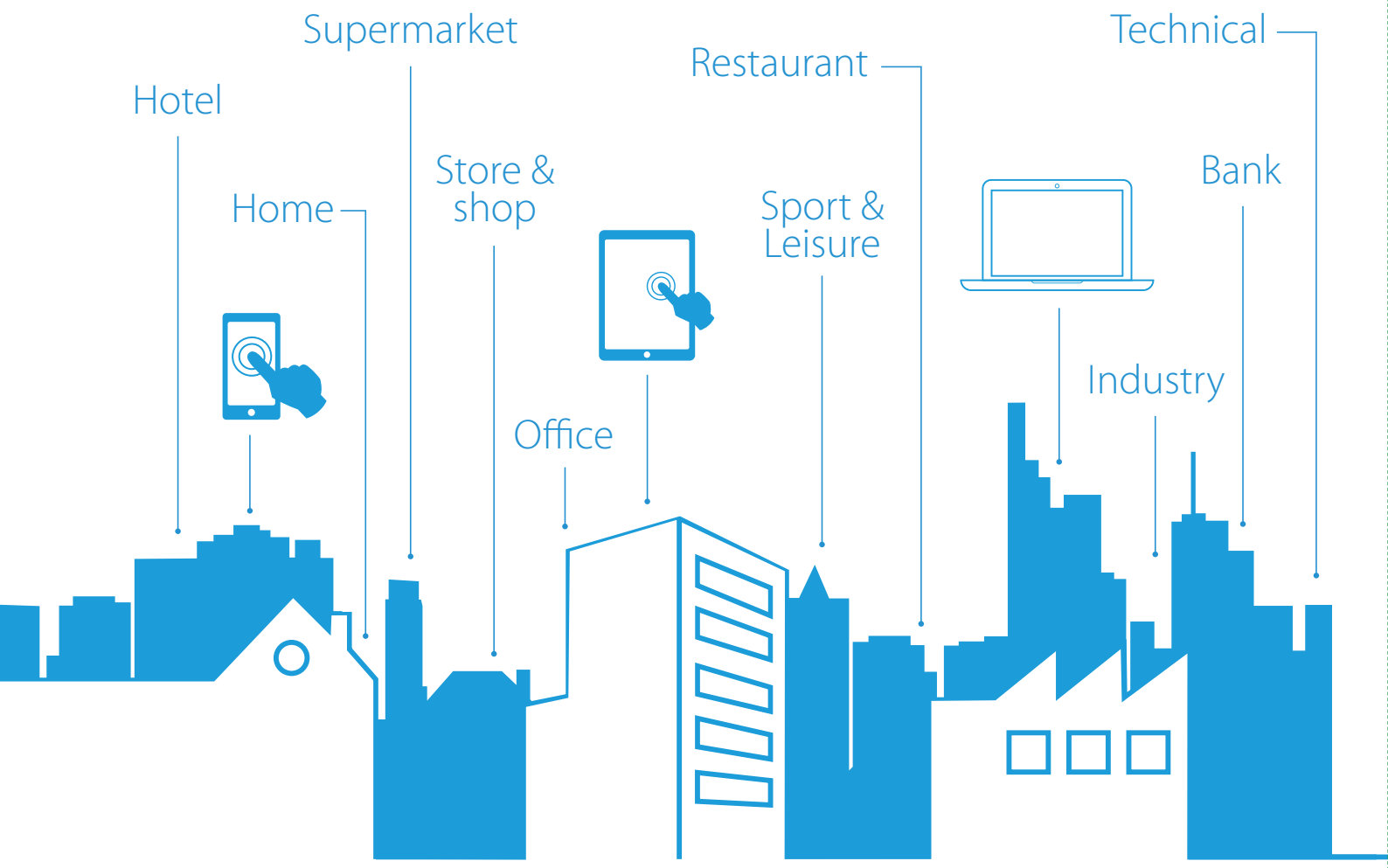
DAIKIN

General catalogue

2019



Daikin world



Daikin Europe N.V. is a leading manufacturer and supplier of heating, ventilation, air conditioning and refrigeration for the residential, commercial and industrial markets.

With more than 95 years of experience in air conditioning and climate control solutions, we know what it takes to create the perfect climate.

Our high-quality products are built to deliver maximum comfort, energy efficiency and reliability. Each unit also includes smart control, which means you have access to control your unit at any time, from anywhere.

We also offer a reliable network of technical and on-site support services through our online portal. Through web applications and tools, we help you monitor and manage your system to keep it running seamlessly.

As an innovation leader, we guarantee our products and services can help you achieve your perfect climate.

For more information, visit daikin.eu

Our promise...

... is to ensure that customers can depend on Daikin for the ultimate in comfort, so that they are free to focus on their own working and home lives.

We promise to dedicate ourselves to technological excellence, a design focus and the highest quality standards so that our customers can trust and rely on the comfort we deliver.

Our promise to the planet is absolute. Our products are at the forefront of low energy-usage and we will innovate to further reduce the environmental impact of HVACR (Heating, Ventilation, Air conditioning, Refrigeration) solutions.
We lead where others follow.

We will continue our global leadership in HVACR solutions as our specialist expertise in all market sectors combined with over 90 years' experience enable us to deliver added value in long-lasting relationships based on trust, respect and credibility.

We promise to continue our forward-thinking ethos, treating challenges as opportunities to produce ever-better solutions.
We will drive innovation and go the extra distance for our customers and our company.
We will be smart and ready to do things differently.

We will deliver on these core values of our brand and enjoy sustainable success with continued growth.



Table of content

General Catalogue 2019

Introduction
Air purifier
Heating
Split
Sky Air & Rooftops
VRV
Ventilation & Biddle air curtains
Marine types
Chillers
Fan coil units
Air Handling Units
Refrigeration
Control Systems

For latest data, please consult my.daikin.eu

What's new in 2019



Daikin Altherma 3 ECH2O

p. 42 NEW Floor standing air-to-water heat pump for heating and hot water with thermal solar support

› Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
› Fresh water principle: hygienic water, with no need for thermal legionella disinfection
› Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve



Daikin Altherma monobloc 11-16 kW

p. 86 NEW Reversible air to water monobloc system

› All-in-one concept including hrydaulic parts
› Ideal when indoor space is limited
› Possible to combine with domestic hot water



A2 oil condensing boiler

p. 132 NEW Future-proof oil condensing boiler

› Higher efficiency
› Fit for any replacement
› Wide modulation range

Low sound cover



p. 162 NEW Reducing the sound pover level of outdoor unit by -3 dB(A)

› Applicable to ERGA-D and ERLQ-C

perfera FTXM-N

BLUEVOLUTION



p. 182 NEW New and improved Perfera with lots of new features

› Improved efficiency and now best in competition
› Wider operation range for 20 to 60 class:
  • Cooling : -10°C ~ +50°C
  • Heating: -20°C ~ +24°C
› Standard W-LAN adapter, put in the box with the indoor unit
› Improved sound values for indoor (35,50,60,71 class) and outdoor unit (25 class)

comfora FTXP-M

BLUEVOLUTION



p. 183 NEW New and improved Comfora, with several new features

› Improved efficiency (50 and 71 Class)
› 3D airflow - available on full range
› Silver allergen filter - available on full range
› Improved indoor unit sound pressure level (20-25-35 Class)

sensira FTXC-B

BLUEVOLUTION



p. 185 NEW New Sensira for volume zone market

› New outlook with matt surface and compact dimensions (same size for 20-50 class)
› High efficiency: up to A++ in cooling and A+ in heating
› Connectable with Daikin Online Controller (optional)
› Titanium apatite deodorising filter and catechin filter available for full range

ROUND FLOW

New round flow cassette

FCAG-B / FCAHG-H / FXFQ-B



p. 254

NEW **Widest ever choice in panels for cassette units to suit any interior**

› Available in white, full white and black!
› New line of designer panels hiding air intake grilles for a more stylized outlook
› Bigger flaps to further improve equal air distribution in the room
› Auto cleaning panel available in black and white
› Comes with all known benefits:
  • 360° air flow discharge
  • optional intelligent sensors
  • individual flap control



Black auto cleaning panel



Black designer panel



Full white standard panel



White designer panel

In total 8 different panels are available.

BLUEVOLUTION

Sky Air A-series



Mini Sky Air Alpha-series

RZAG-A

p. 322

NEW **Extention of the Sky Air Alpha-series range, dedicated to suit the light commercial and technical cooling market**

› Capacities from 3,5 to 6 kW
› Longer piping up to 50m in length and 30m in height difference
› Operation range down to -20°C in cooling and heating
› Connectable to all common Sky Air models and Perfera (FTXM) wall mounted unit

VRV IV+ series
REYQ-U / RYYQ-U / RXYQ-U / RXYQQ-U / RXYTQ-U

p. 360 NEW Your known VRV IV with increased seasonal efficiency acoording to LOT21

- Average increase of efficiency with 10%, measured with most common sold units
- Exceeding Tier 2 2021 ErP requirements
- New vapour injection compressor
- VRV IV+ series are available in heat recovery, heat pump, replacement and high ambient versions

VRV IV+

Variable Refrigerant Temperature

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 – Tier 2



VRV IV C+ series
RXYLQ-T

p. 370 NEW VRV IV+ heat pump, optimised for reliable heating in extreme conditions

- Guaranteed capacity down to -25°C and stable heating capacity available down to -15°C
- High efficiency, even at low outdoor temperatures
- New vapour injection technology and high capacity compressor
- All other VRV IV+ features

VRV IV C+ series

Variable Refrigerant Temperature

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 – Tier 2



Modular L Smart
ALB-LBS / RBS

p. 428 NEW Premium efficiency heat recovery ventilation unit

- Smart series connect plug&play in the Sky Air or VRV control network
- Directly available from stock
- Wide air flow coverage from 150m³/h to 3,450m³/h
- Solution for ducted installation (maximum ESP available: 600 Pa)
- High efficiency counter flow aluminium heat exchanger (up to 93%)
- Up to F7 (ePM1 50%) + F9 (ePM1 80%) filtration level



ErP 2018 COMPLIANT





Air-cooled and Water-cooled chillers with HFO R-1234ze(E) refrigerant

p. 470 and p. 516 NEW Extension of the TZ and VZ ranges, now with ecological refrigerant HFO R-1234ze(E)

› Air-cooled TZ chillers - EWAH-TZ-B
› Water-cooled VZ chillers EWWH-VZ
› Inverter Single Screw Compressor
› HFO R-1234zeE Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential



Water cooled Centrifugal Oil free chiller

p. 526 NEW Totally oil-free operation resulting in reduced maintenance costs and increased reliability

› No friction loss, no oil contamination, no additional oil management systems and an increased equipment life thanks to the magnetic bearing technology
› R-134a refrigerant and HFO R-1234zeE refrigerant versions

BLUEVOLUTION



First Air cooled scroll chiller with R-32 refrigerant

p. 480 NEW BLUEVOLUTION chiller series (EWAT-B) is the result of careful design aimed to optimize the energy efficiency and thus the total life cycle cost of the chiller, with reduced operating cost thanks to outstanding performances and reliability.

› Low environmental impact
› 2 different layouts: Single V and Modular V coils
› 2 Efficiency levels and 3 noise versions
› Outstanding reliability

Tewis Line-up

Tewis
a member of DAIKIN group

p. 626 NEW Full CO_2 refrigeration units - The final leap towards natural Refrigeration



Wide range of solutions:
› Condensing units
› Booster condensing units
› Racks and Packs
› Integrated solutions of Refrigeration with Air Conditioning

Hubbard Products

HUBBARD REFRIGERATION SOLUTIONS
a member of DAIKIN group

p. 648 NEW Refrigeration design, engineering and solutions for static and transport refrigeration requirements

› From Cellar Cooling to Convenience and Retail Cooling
› Multi Compressor Packs
› Cold Room Units
› Heat Recovery Systems
› Transport Refrigeration
› Low GWP, natural refrigeration systems

Madoka
wired remote controller

reddot design award

iF DESIGN AWARD 2018

p. 660 NEW A complete redesigned controller focussed to enhance user experience



› Sleek and elegant design
› Intuitive touch button control
› 3 color versions
› Advanced settings can be easily done via your smartphone
› Compact, flat back for easy wall installation

Daikin Cloud solutions

DAIKIN ON SITE

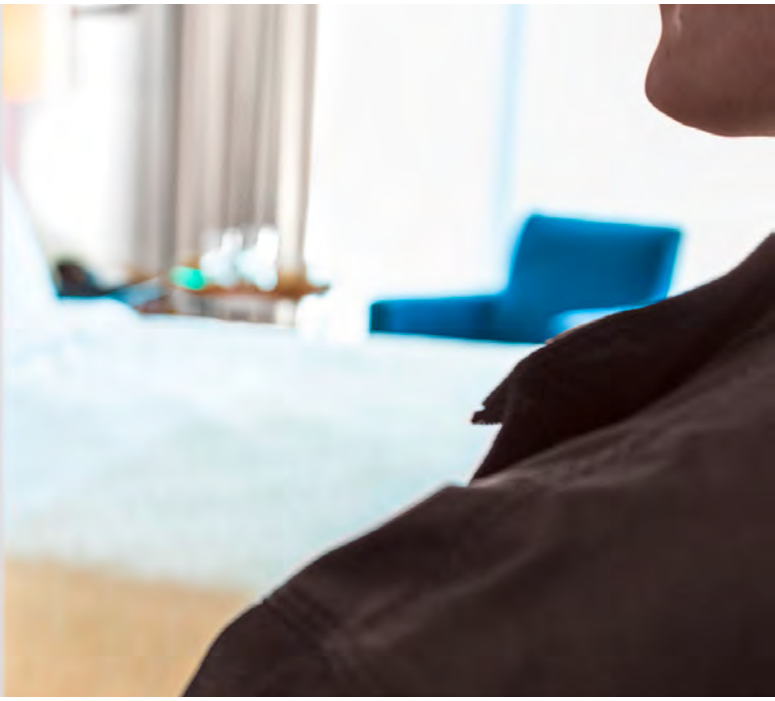
DAIKIN CLOUD SERVICE

p. 684 NEW Remote monitoring and control

› for chiller plants and AHU's via Daikin on Site
› for DX and ventilation systems via Daikin Cloud Service
› Future-oriented technology to improve the efficiency and reliability of your HVAC plant
› Increase uptime, reduce unscheduled interruptions
› Optimise efficiency and reduce energy waste
› Increase lifetime and avoid wear by misuse
› Give insight into the optimum use of the equipment, including advice from a Daikin expert

Connect with Daikin





If you are a user or installer it is important you can **interact with our systems** in the easiest way, from **anywhere you are**. For any user our interfaces create **peace of mind** that their system is running in the best possible way.



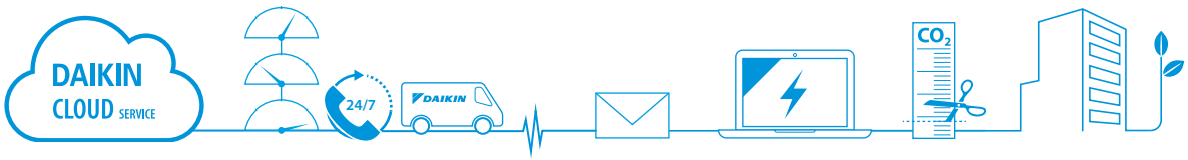
Depending on the type of user and application Daikin develops controls and cloud services to ensure the best experience.

- For home owners it means **app control** of their home comfort.
- For hotel owners it means easy and stylish **personal control for guests**, with an integration in hotel booking software for central control
- For technical managers it means **cloud access** to all sites, with the possibility to benchmark, optimize performance
- For installers it means **easy transfer of settings during commissioning**, remote retrieval of errors and preventive alerts to save time on maintenance or interventions

Our controls enable you to **connect with your customer**, save time, improve your comfort intelligently and reduce energy bills.



Remote monitoring



Daikin publishes all data with real life indoor units for real applications



New F-gas Regulation

No HFC ban but a phase down, why?

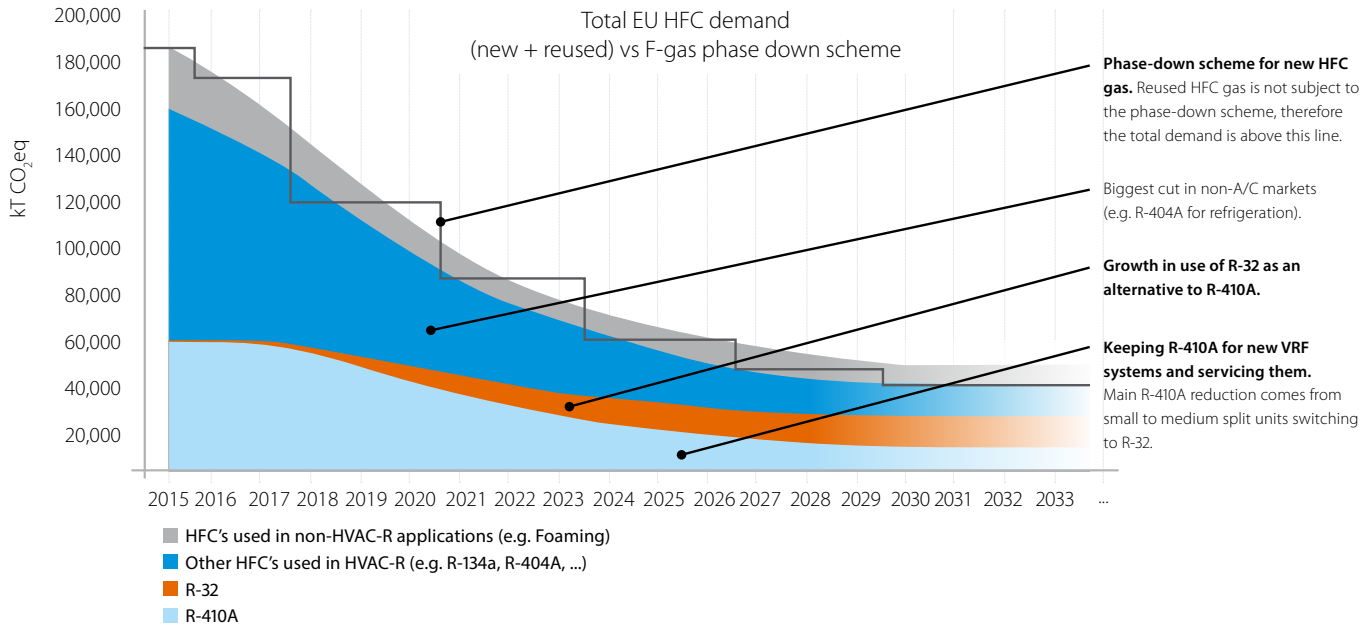
Why a phase-down?

› The EU wants to reduce the environmental impact of f-gases, by reducing the CO2 equivalent consumption of HCFs

No ban or phase-out:

› HFCs are important in many applications because of their energy efficiency, safety and economic benefits
› HFCs are phased-down to a level that allows sustainable growth & investments, beyond 2030

Where does the main HFC contribution come from?



Source: Ray Gluckmann Consulting

Daikin remains ahead of the market thanks to:

› Widest range of R-32 residential and commercial products
› Use of R-410A, CO_2 and hydrocarbon for refrigeration solutions
› Technologies such R-32 and micro channel reducing the refrigerant charge
› Very low leakage rates on VRV and DX split systems

For more information visit:
www.daikin.eu/f-gas



Daikin leads the way in seasonal efficiency

Challenging 20-20-20 environmental targets

To realise 20-20-20 environmental targets by 2020, the European Union issued the Eco-Design directive (2009/125/EC), which establishes minimum efficiency standards for energy-related products.
With seasonal efficiency, Daikin meets and surpasses EU environmental targets with new energy efficient technologies and the gradual phase out of older systems.

Environmental targets to be reached by 2020

-20%

CO_2 EMISSIONS
vs. 1990

20%

Share of
RENEWABLE ENERGY

-20%

PRIMARY ENERGY USE
vs. BAU*
*Business As Usual

R-32: Refrigerant of the future

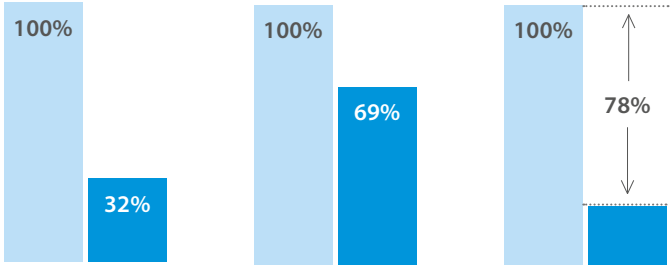
BLUEVOLUTION

Leading the market

By incorporating the revolutionary refrigerant R-32 in our product range, Daikin is taking proactive steps to meet environmental regulations and deliver innovative practices to the HVAC-R industry.

Advantages of R-32

› Easier to recycle and reuse
› Safe and affordable
› Easier to handle for installers and service technicians, as it can be charged in both liquid and gas phase
› Decreases environmental impact
› Improves indoor comfort



GWP value

Refrigerant charge (kg)

Potential global warming impact

(CO_2 equivalent refrigerant charge: kg x GWP)

* comparison for Daikin Emura 3.5kW, available with both R-410A and R-32 refrigerant.

R-410A R-32

Replacement technology



Upgrade your technology

Drastically improve your efficiency, comfort and reliability

Installer benefits

› Faster installation (reuse existing piping)
› Cost-effective solutions to gain a competitive edge
› Optimise business opportunities

Customer benefits

› Quick installation without affecting your comfort or business
› Latest technology earns cost savings
› Upgrade your comfort level with cutting-edge features

LOT increases energy efficiency

› Focus on more realistic data delivery
› More robust data in the market
› Able to compare products no matter the source (oil, gas and electricity)

LOT 10
01/01/2013:

Split and Sky Air up to 12kW

Before the EU legislation came into force, in 2010 Daikin launched its first light commercial unit that is compliant with LOT 10

LOT 1
26/09/2015:

Space heaters (air and water cooled), and combi heaters

LOT 2:

Domestic hot water heaters and tanks

ENTR LOT 1
01/07/2016:

Refrigeration - Commercial condensing units and ZEAS

LOT 11
01/01/2016:

Ventilation - VAM units

LOT 21
01/01/2018:

Sky Air, VRV, Fan Coil units and Chillers (cooling only)

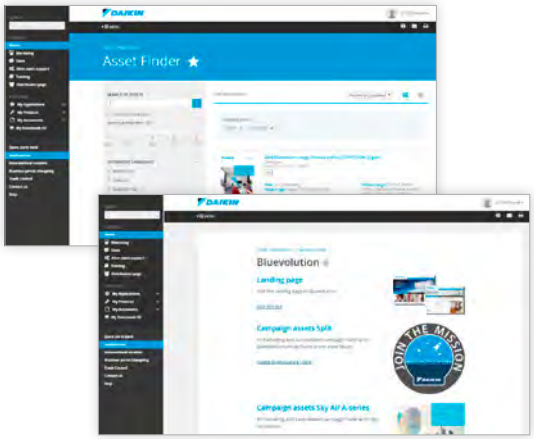
Tools and platforms

We're here to help you!



Literature

See all the literature available (catalogues, flyers, solution guides, product profiles, product portfolios, reference book ...)
› for you
› for your customers



my.daikin.eu

Sales supporting apps

We offer a variety of building modelling, selection, simulation and quotation software tools to support your sales.

The **Psychrometric Diagram Viewer** helps designers, consultants, students and other professionals to get more insight in our fields of activities: "the air that we condition"

my.daikin.eu/denv/en_US/home/applications/select software finder

Some of our most used apps:

There's an app for that

› **Daikin Online Controller:** Always in control. Control your climate from any place at any time.
› **Stand By Me:** Enjoy a free warranty extension after you register your new Daikin unit.
› **Daikin Altherma simulator:** For appropriate heat pump selection
› **3D app:** Allows you to choose the air conditioning and watch it at home BEFORE you buy!
› **Error code app:** Quickly know the meaning of fault codes for each product family
› **Load calculation tool:** Helps you to calculate the heat and cool laod of your building
› **Multi selection tool:** For quick calculation of multi split combinations & piping lengths
› **Xpress:** Quick quotaton tool for VRV
› **Astra:** AHU design software
› **Daikin BIM suite:** www.daikin.eu/BIM
› ...



Online support

Business portal

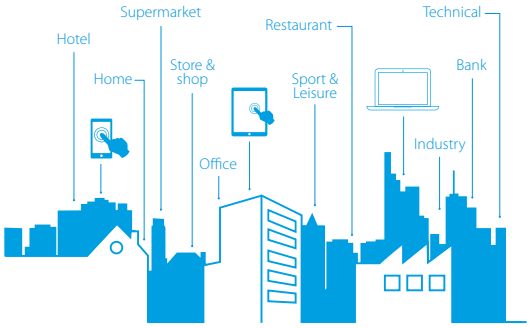
- Experience our Business Portal that thinks with you at my.daikin.eu
- Find information in seconds via a powerful search
- Customise the options so you see only info relevant for you
- Access via mobile device or desktop

my.daikin.eu



Internet

Find our solution for different applications:



www.daikin.eu

- **As Customer:**
  Experience your perfect climate with Daikin.



- **As Installer:**
  Build your business with Daikin.



- **As Architect & Consultant:**
  Create the perfect climate with Daikin.





Pure air

Because Daikin cares

MC70L

The streamer technology air purifier, a blend of new technology, improved performance, and ultra quiet operation, is designed to care for you by unobtrusively providing **purified air** to produce a healthy home environment. Purified air improves the perception of **comfort** and, by **removing** and destroying **contaminants** and **odours**, the streamer technology air purifier also plays an essential role for those who suffer from **asthma** or **allergies**. These efforts place the streamer technology air purifier among the best residential air purifiers on the market today.

Three times purification, a good deed for your health

Pollen, dust and pet hair are just some of the potential causes of allergies, asthma and respiratory problems. A Daikin air purifier cleans the air and relieves you of these troubles thanks to a three-part operation:

- allergen removal
- virus and bacteria removal
- odour removal

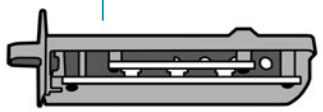
What is the Daikin streamer technology ?

"Streamer Discharge" is a type of plasma discharge in which high speed electrons capable of **oxidative decomposition** are generated. It has the ability to **eliminate bacteria** as well as hazardous **chemical substances** and **allergens**, etc. Compared to standard plasma discharge (glow discharge), the discharge range of Daikin's Streamer Discharge is wider, which makes it easier for electrons to collide with oxygen and nitrogen in the air. This enables high speed electrons to be generated three dimensionally over a wide area, which results in an oxidative decomposition speed that is over 1,000 times greater with the same electrical power. Daikin's Streamer Discharge technology has proven successful in stably generating high speed electrons, a feat that has been considered difficult up to now.

Main specifications

Daikin has already received great praise for its air purifiers: a British Allergy Foundation seal of approval and the TÜV Nord test mark confirm the efficiency of our units.

Six-layer powerful decomposition and removal configuration



1

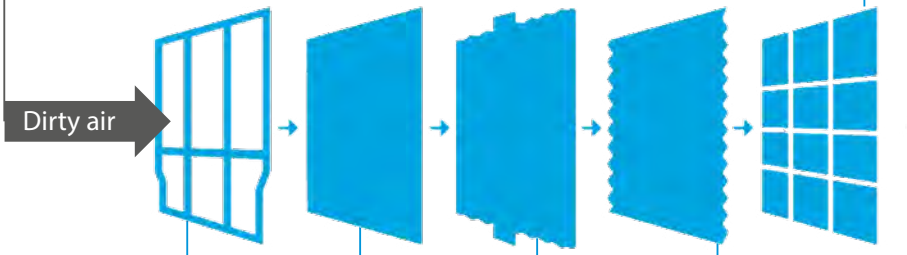
High-speed electrons are discharged [1] that enable decomposition and removal

Streamer discharge unit

6

Formaldehyde[4] and odours are decomposed

Deodorizing catalyst filter



2

Large dust particles are captured and pet hairs, bacteria and allergens are removed [2]

Prefilter

3

Dust and pollen are electrically charged and then sent to the filter

Plasma ionizer

4

Dust and pollen are absorbed by the electrically charged filter

Electrostatic dust collection filter (front of pleated dust collection filter)

5

Odours and viruses are caught

Titanium apatite filter (back of pleated dust collection filter)



- Stylish design
- Improved performance
- Unprecedented comfort
- Super quiet operation
- Easy to maintain
- Portable
- No installation

STREAMER

Indoor unit			MC	70L
Applicable room area			m^2	46
Dimensions	Unit	HeightxWidthxDepth	mm	576x403x241
Weight	Unit		kg	8.5
Casing	Colour			White
Fan	Type			Multi Blade Fan (Sirocco fan with shroud assembly)
	Air flow rate	Air purifying operation Silent/Low/Medium/High/Turbo	m^3/h	55/130/210/285/420
Sound pressure level	Air purifying operation	Silent/Low/Medium/High/Turbo	dBA	31/39/47/54/63
Air purifying operation	Power input	Silent/L/M/H/Turbo	kW	0.007/0.010/0.016/0.026/0.065
Deodorizing method				Flash streamer + Titanium apatite deodorising filter
Dust collecting method				Plasma ionizer / Electrostatic dust collection filter
Air filter	Type			Polypropylene net
Sign	Item	01		Dust: 3 stages
		02		Odour: 3 stages
		03		Automatic operation (LL-H)
		04		Airflow rate (LL/L/M/H)
		05		Turbo mode (HH)
		06		Anti-pollen mode
		07		Sleep mode
		08		Lock (Anti-tamper)
		09		Off timer (1.2.4h)
		10		Maintenance: Filter replacement
		11		Maintenance: Cleaning of ionization/streamer
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220-230



Humidification and purification in one

MCK75J

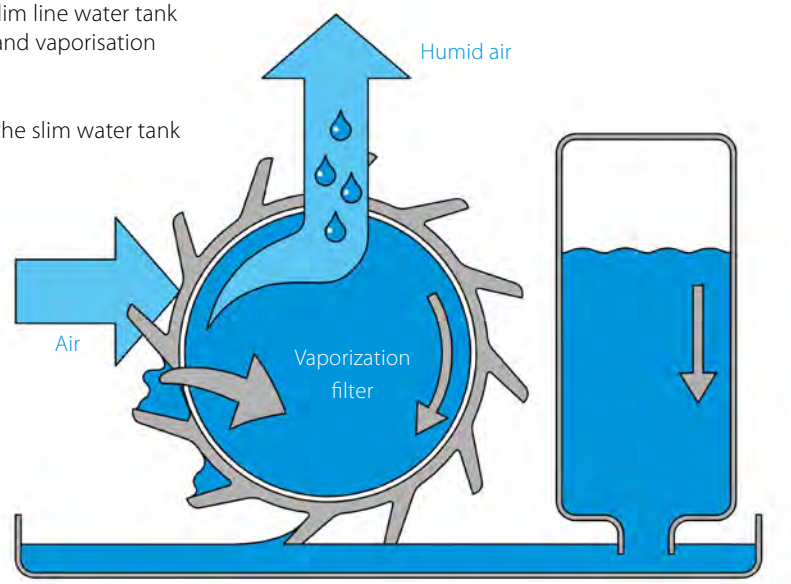
There are many substances in the air you breathe such as allergen, bacteria, virus and tobacco smoke, which causes your health to suffer. Above all things, dryness is especially a big issue during wintertime. Daikin Ururu Air Purifier **purifies and moisturizes** the air inside your home and relieves the effects of dry air. Just fill the 4l tank occasionally and it will humidify your room with a maximum volume of 600ml/h. This useful and innovative function stems from the incorporation of a slim line water tank and combined water wheel and vaporisation filter assembly.

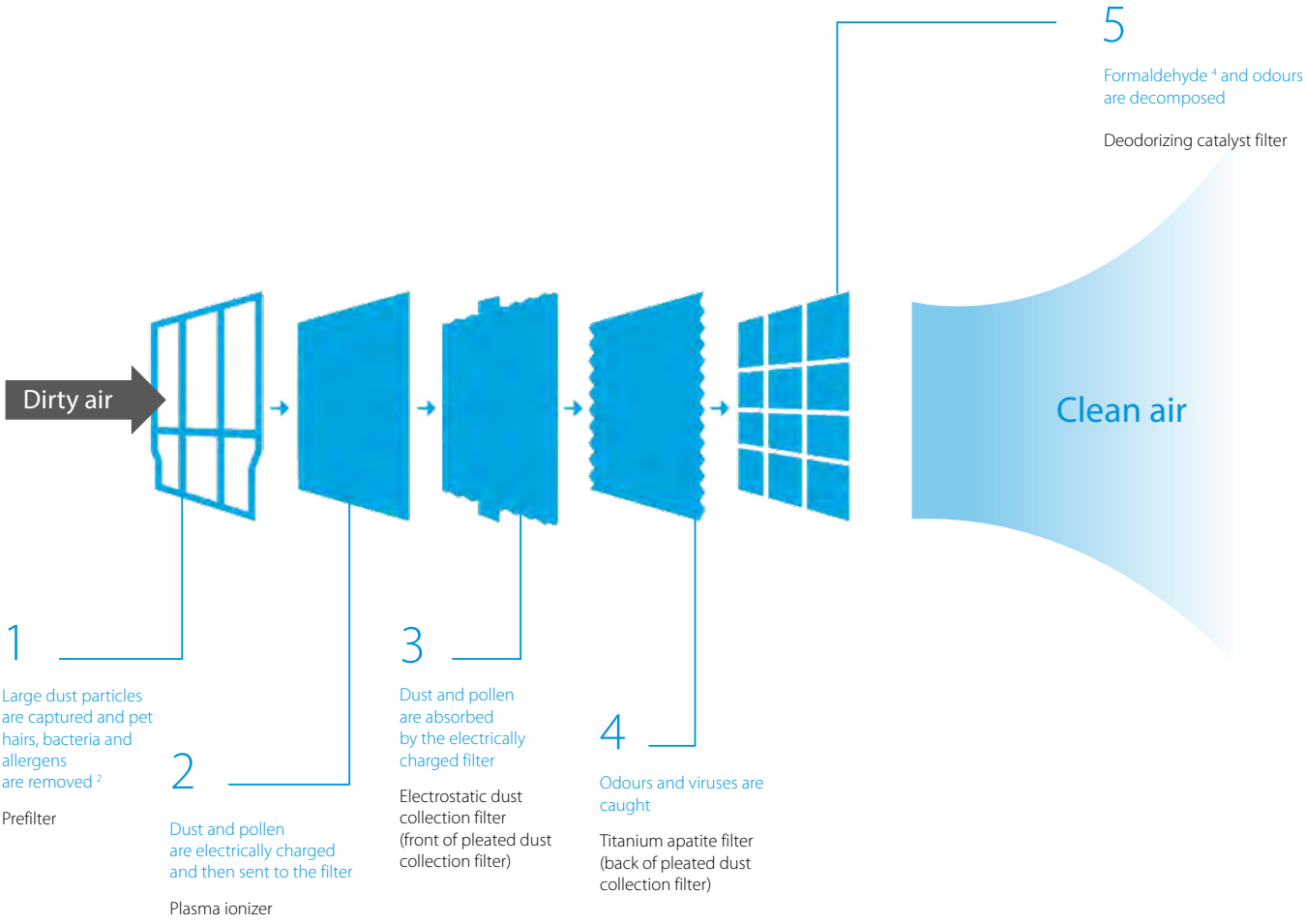
- Humidification thanks to the slim water tank
- Air purification

Daikin has already received great praise for its air purifiers: the Daikin TüV award confirms the efficiency of this unit.

How does the humidification function work?

Water in the tank flows into the receiver tray housing the water wheel, which lifts the water as it rotates and releases it onto the filter. Air blown onto the filter, absorbs its moisture and discharges it into the room as humidification.





How does the filter work?

Daikin Ururu Air Purifier also removes efficiently allergens (e.g. pollen, dust, etc.), bacteria and viruses. Additionally, it has a high deodorizing efficiency; it eliminates efficiently tobacco smoke whilst decomposing other smells. It quickly collects particles and breaks them down rapidly. Its quiet operation makes it ideal for quiet nights. The unit includes seven pleated filters (one for immediate use and 6 spares).





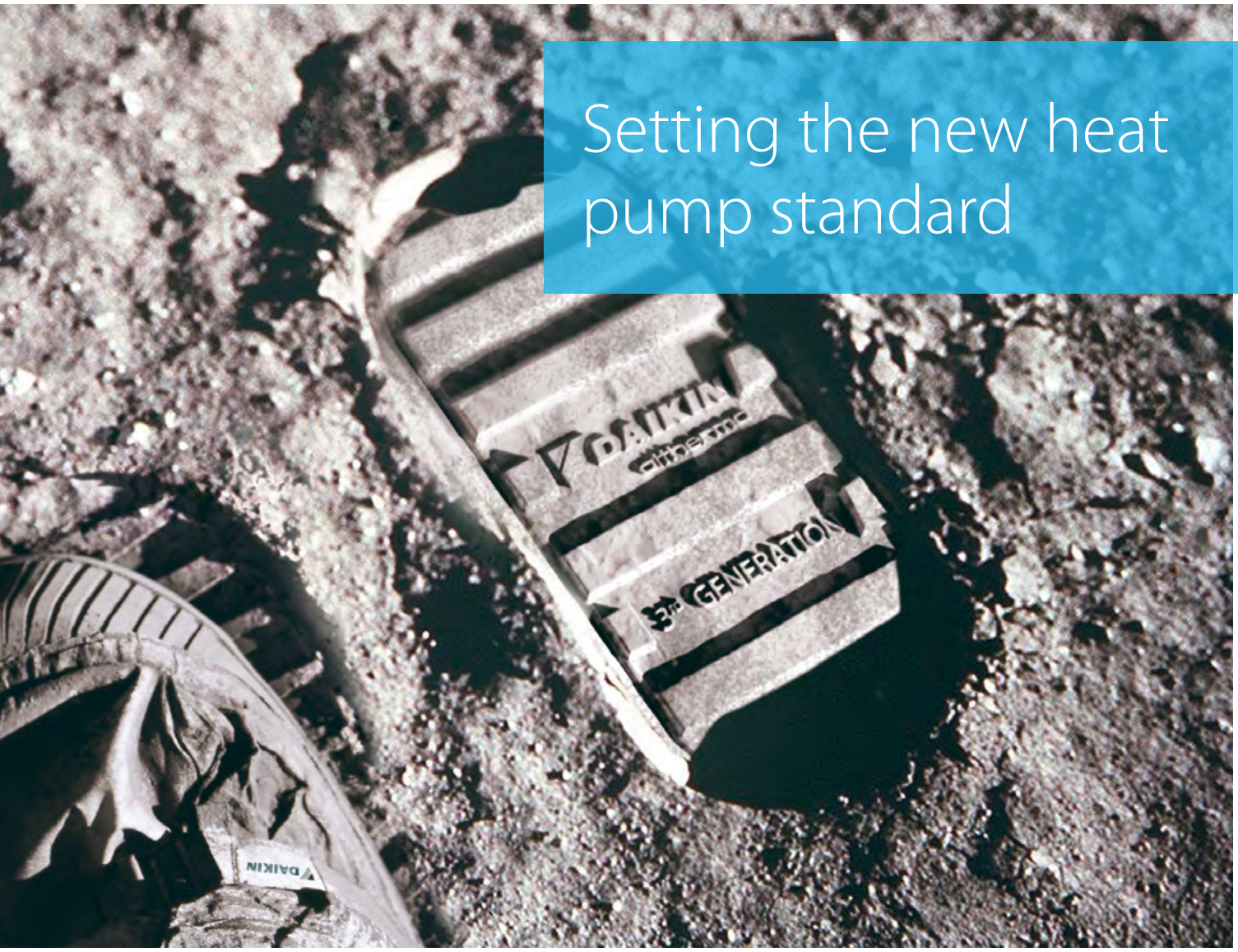


Indoor unit				MCK	75J
Application					Floor standing type
Applicable room area				m^2	46
Dimensions	Unit	HeightxWidthxDepth		mm	590x395x268
Weight	Unit			kg	11.0
Casing	Colour				Black (N1) (Panel colour: silver)
Fan	Type				Multi Blade Fan (Sirocco fan with shroud assembly)
	Air flow rate	Air purifying operation	Silent/Low/Medium/High/Turbo	m^3/h	60/150/240/330/450
		Humidifying operation	Silent/Low/Medium/High/Turbo	m^3/h	120/150/240/330/450
Sound pressure level	Air purifying operation	Silent/Low/Medium/High/Turbo		dBA	17.0/26.0/36.0/43.0/50.0
	Humidifying operation	Silent/Low/Medium/High/Turbo		dBA	23/26/36/43/50
Humidifying operation	Power input	Silent/L/M/H/Turbo		kW	0.012/0.013/0.020/0.037/0.084
	Humidification	Silent/Low/Medium/High/Turbo		ml/h	240/290/370/470/600
	Water tank capacity			l	4.0
Air purifying operation	Power input	Silent/L/M/H/Turbo		kW	0.008/0.011/0.018/0.035/0.081
Deodorizing method					Flash streamer + Titanium apatite deodorising filter
Dust collecting method					Plasma ionizer / Electrostatic dust collection filter
Air filter	Type				Polypropylene net
Sign	Item	01			Dust: 3 stages / Odour: 3 stages / Air flow rate: auto/LL/L/M/H, Turbo mode HH, anti-pollen mode / Off timer: 1/4/8h / Cleaning: ionization/streamer / Humidity indicator lamp: 3 stages / Humidity on/off / Humidity setting: low/std/high/cont / Replacement sign: humidifying filter, air purifying filter / Water supply lamp / Child proof lock lamp / Regeneration lamp (8h) / Check lamp
Power supply	Name/Phase/Frequency/Voltage			Hz/V	VM/1~/50/60/220-240/220-230
Type					Humidifying air purifier

DAIKIN

altherma

Setting the new heat pump standard



Environmentally friendly
Lower CO_2 emissions thanks to Bluevolution technology

Top performance
Realising higher energy savings, fitting best energy class

The art of control
Easy set-up, monitoring and maintenance via intuitive platforms

Online platform *STAND BY ME*
Remote installations managing platform for installers providing extra warranty to the end-user

Fits everywhere
Guaranteeing small footprint and easy installation

BLUEVOLUTION

R-32

A+++

65°C



Heating

Introduction 22

Award winning units 22
Top notch technologies 23
Heat Pump Keymark 23
Solutions overview 24

Stand By Me 26

Heat pumps 31

Daikin Altherma 3 R-32 low temperature heat pumps 32
Daikin Altherma 3 floor standing 32
Daikin Altherma 3 ECH2O 42
Daikin Altherma 3 wall mounted 50

Daikin Altherma R-410A low temperature heat pumps 56
Daikin Altherma floor standing 56
Daikin Altherma ECH2O 70
Daikin Altherma wall mounted 76
Daikin Altherma monobloc 86

Daikin Altherma High Temperature 92

Monobloc domestic hot water heat pump 96

Split domestic hot water heat pump 98

Daikin Altherma Flex Type 100

Daikin Altherma High Capacity 102

Daikin Altherma Ground source heat pump 104

Daikin Altherma Hybrid heat pump 108

Boilers 118

Gas condensing boilers 120
Wall mounted gas condensing boiler 120
Floor standing gas condensing boiler 128

A2 oil condensing boiler 132

Thermal stores and tanks 138

Solar 144

Controls 158

Low sound cover and heat emitter 162

Award winning units

thanks to a unique design

Heating products recently gathered all the most famous design awards: iF design and RedDot awards thanks to a brand-new design. Our wall mounted gas condensing boiler as well as our third generation heat pump (both floor standing and wall mounted models) received these design awards, putting the spotlight on our unique design.

DESIGN AWARD 2018

reddot award 2018
winner

Heating products are taking more and more importance within Daikin solutions portfolio. More products mean more solutions to cover all the needs. The design of the units is a major asset for customers that's why we decided to bring a brand-new design to our heating products.

The new design has to be discrete and modern, but also intuitive and user-friendly. The Daikin Eye has been developed to help both customers and installers getting the best experience possible while using the unit interface. The high-resolution colour controller is easy to use, and the Daikin Eye informs instantaneously if everything is working correctly.

All those features were rewarded with the most famous design awards: iF and RedDot design awards, for our high-end technology products.





Daikin Altherma 3 heat pumps



Wall mounted gas condensing boiler

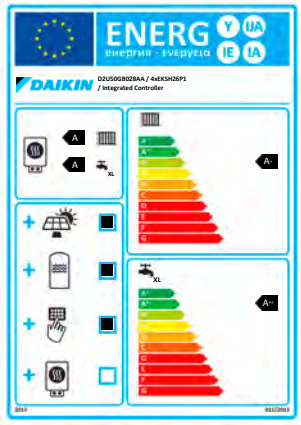
Top-notch technologies
and efficiency

Daikin commits to develop the most effective technologies to reach the best energy efficiency levels and respect the planet. Our Bluevolution technology uses the R-32 refrigerant, which largely lowers CO_2 emissions compared to its competitors. Daikin leads again the way for better heating solutions and a better environment.

Customers are looking for the best solutions for their home, with an eye on the energy efficiency labels. Daikin always proposes the most environment friendly units with the maximum energy labels for the heat pumps: A+++ (energy label 2019).

The third generation Daikin Altherma heat pumps reach this efficiency thanks to the Bluevolution technology. It combines an in-house developed compressor and the R-32 refrigerant which makes it unique on the market.

Less CO_2 emissions & more efficiency, the recipes for top-notch technologies.



Heat Pump Keymark
A unique certificate for the European market

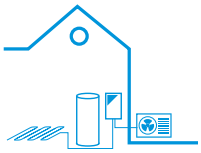
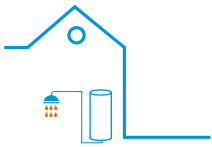
The Heat Pump KEYMARK is a voluntary, independent, European certification mark for all heat pumps. It certifies space heating performance, sound power level, domestic hot water performance as well as operating tests.

The Heat Pump KEYMARK is based on independent, third-party testing and demonstrates compliance with product requirements as set in the Heat Pump KEYMARK scheme rules and with efficiency requirements as set by Ecodesign Lot 1, Lot 2.

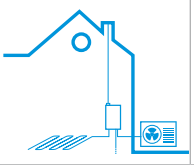
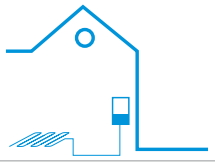
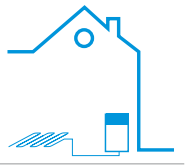
As a group, we are strongly convinced of the quality of this scheme, both for our customers and ourselves as manufacturers. It is therefore our intention to certify the entire portfolio of Daikin Altherma heat pumps.

Find all our certified products on http://www.heatpumpkeymark.com

Solutions overview

		Heat pumps				
		Air-to-water technology				
		Space heating and domestic hot water				
		R-32 Daikin Altherma low temperature split	R-410A Daikin Altherma low temperature split	Daikin Altherma low temperature monobloc	Daikin Altherma high temperature split	Monobloc domestic hot water heat pump
Products		NEW 		NEW 		
Page		32	56	86	92	96
Set-up type						
Space heating (up to)		A+++ (1)	A++	A++	A+	-
Domestic hot water (up to)		A+ (1)	A	-	B	A+
Renovation		-	●	●	●	●
New build		●	●	●	-	●
Tanks	Thermal stores EKHWC/D/P* 	●	A	A	B	-
	EKHTS-AC 	-	-	-	B	-
	EKHWS(U)-B 	-	B	A	-	-
	EKHWS(U)-D 	A	-	A	-	-
Controller	EKRUCBL	-	●	●	●	-
	EKRUDAS	●	-	-	-	-
	EKRT(R/W)	●	●	●	●	-
	System controller	●	●	●	●	-
Thermal Solar panels		●	●	●	-	●
Heat pump convector		●	●	●	-	-

(1) According to EU n°811/2013 - label lay-out 2019

				Hybrid	Combustion	
			Ground to water	Hybrid	Gas	Oil
Domestic hot water		Space heating	Space heating and domestic hot water			
Domestic hot water heat pump	Daikin Altherma Flex Type	Daikin Altherma LT High capacity	Daikin Altherma ground source heat pump	Daikin Altherma hybrid heat pump	Wall mounted / Floor standing	A2
						NEW 
98	100	102	104	108	118	132
						
-	-	A+	A++	A++	A	A
A	A	-	A	A	A	A
●	-	-	-	●	●	●
●	●	●	●	●	●	●
-	-	-	-	●	A	A
-	A	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	●	-	●	●	-	-
-	-	-	-	-	-	-
●	●	-	●	-	-	-
-	●	-	-	-	-	-
●	●	-	-	●	●	●
-	-	-	●	●	-	-

Stand By Me,

A journey to customer satisfaction

It's time to relax. With your customer's new Daikin installation and Stand By Me service programme, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market. Stand By Me eliminates your clients' worries and provides them with a free, extended warranty, quick follow-up from Daikin service providers, and additional warranties for specific parts.

Free warranty extension

FREE

The first advantage of **Stand By Me** is a free warranty extension:

- ☑ applies to both labour and parts
- ☑ begins immediately after registration

Quick follow-up by Daikin service partners

Daikin service partners are automatically notified when a customer registers their installation on **www.standbyme.daikin.eu** and needs maintenance.

Your customer is guaranteed:

- ☑ quick and reliable service
- ☑ management of all information related to their installation such as, registration documents, attendance records, maintenance records, etc.
- ☑ realtime error codes are informing the service partner about possible issues

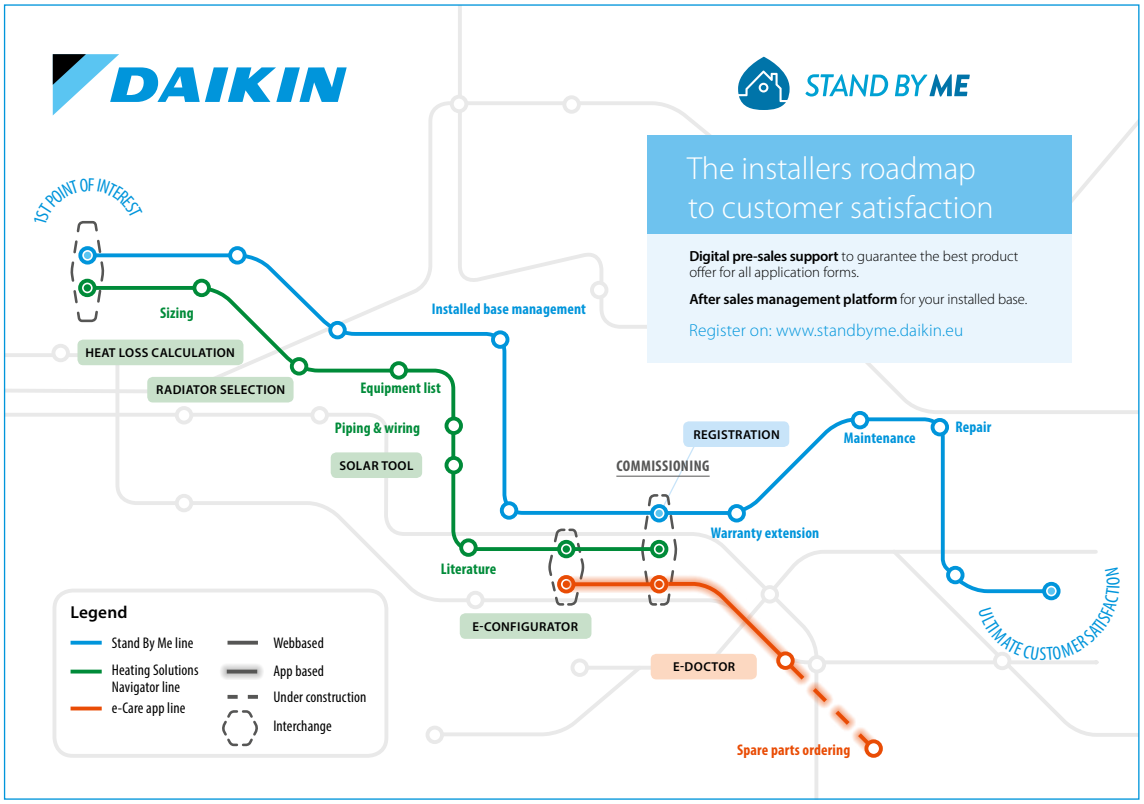
Extended warranty on parts

For a small fee, customers can extend the warranty on specific parts. Contact your local Daikin branche to have more information about the specific offer in your country.
Stand By Me guarantees:

- ☑ that each component is replaced quickly
- ☑ helps avoid financial surprises
- ☑ long life and smooth operation and all other benefits of a Daikin installation
- ☑ reliable service from official Daikin service partners

Daikin service partners work exclusively with Daikin parts and have all of the necessary technical knowledge to solve any issue that may arise

Stand By me roadmap overview

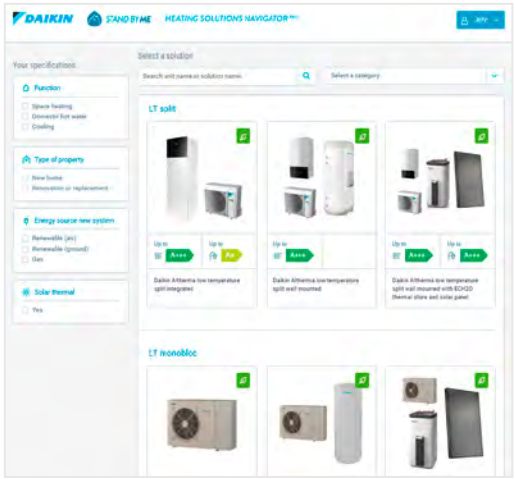


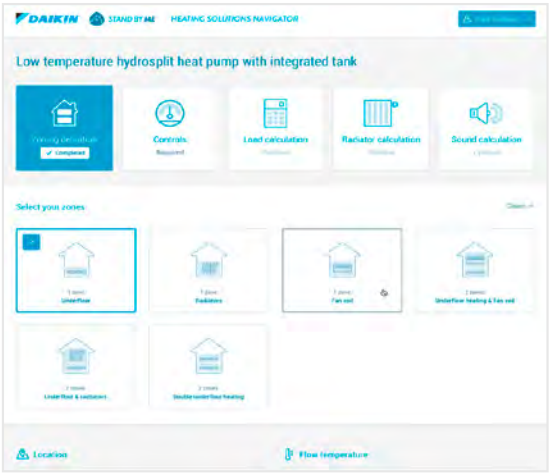


Heating Solutions Navigator

Want to know more about our Heating Solutions Navigator?

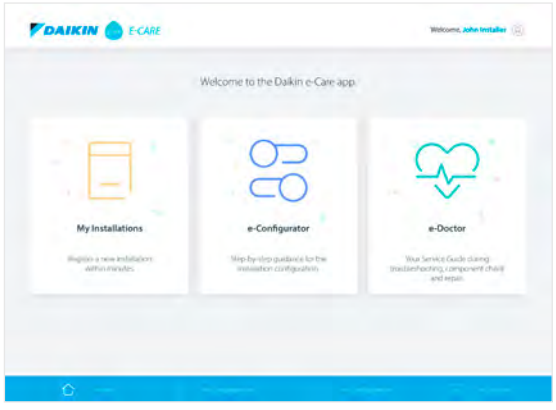
› The Heating Solutions Navigator is a digital toolbox developed for Daikin professionals with the aim to assist in providing the best fit solution for your customers home.
› With this tool you can configure your installation, create custom made piping & wiring diagrams, set the configuration on your installation and much more.





E-Care app

The Daikin e-Care app wants to make the life of a Daikin installer easier by offering Stand By Me registrations via QR code scanning, easy configuration of your heating installation and trouble-shooting via the e-Doctor part.



STAND BY ME

www.standbyme.daikin.eu

Stand By Me and the Heating Solutions Navigator are build to connect between yourself and Daikin to make your life easier.

DEMO

Interested in how the platform operates? Please scan the QR-codes to see a demo for each tool.

DEMO

HEATING SOLUTIONS NAVIGATOR (HSN)

professional.standbyme.daikin.eu

The Heating Solutions Navigator is a digital toolbox developed for Daikin professionals with the aim to assist in providing the best fit solution for your customers homes.
With this tool you can configure your installation, create custom made piping & wiring diagrams, set the configuration on your installation and much more.

DEMO

SIZING

HSN Heat loss calculation tool/ Room by Room

The optional 'Room by Room' heat load calculation tool, is a tool which enable you to calculate the heat load in a property. Next to the Room by Room, a simplified heat load calculation is available.

DEMO

RADIATOR

HSN Radiator Selection Tool

This Radiator selector tool supports customers in selecting the appropriate radiator size for each room.

SOLAR

HSN Solar Selection Tool

The Solar Selection Tool shows the benefits of a DAIKIN solar system and supports professionals in selecting the right solar system for a house.

DEMO

EQUIPMENT LIST

PIPING & WIRING

Customized piping and wiring diagrams are generated for each and every project, taking into account many parameters such as heat generator, zoning, emitter type and options.

LITERATURE

INSTALLED BASE MANAGEMENT

DEMO

CONFIGURATION TOOL

The e-Configurator is a web based tool and app which allows installers to configure the settings of Daikin Altherma heat pumps remotely. Thanks to its user friendly and intuitive interface, configuration can be completed in a couple of steps. Then it can be stored as a pdf or saved in the USB stick/SD card to upload it in the heat pump on site.



CONTACT YOUR LOCAL SBM/HSN SPECIALIST

REGISTRATION

Installation Registration

SBM is an after-sales service tool where end-users can extend the warranty on their installation or order maintenance packages. All Daikin professionals have an essential role in these service offerings.

With Stand By Me, you, as Daikin professional, can keep a complete digital logbook of your installed base of Daikin products and consult it via any mobile device.

COMMISSIONING

WARRANTY EXTENSION

MAINTENANCE

REPAIR

DEMO

E-DOCTOR

Part of e-Care

Daikin e-Doctor is part of e-Care, an application to guide our Daikin colleagues and installers in troubleshooting a unit.

ULTIMATE CUSTOMER SATISFACTION

SPARE PARTS ORDERING

DEMO

E-CARE

Download on the App Store

ANDROID APP ON Google play

DAIKIN

Stand By Me, a journey towards customer satisfaction



Heating

Heat pumps

Daikin Altherma 3 R-32
low temperature heat pumps 32

Daikin Altherma 3 floor standing 32
Daikin Altherma 3 ECH2O 42
Daikin Altherma 3 wall mounted 50

Daikin Altherma R-410A
low temperature heat pumps 56

Daikin Altherma floor standing 56
Daikin Altherma ECH2O 70
Daikin Altherma wall mounted 76
Daikin Altherma monobloc 86

Daikin Altherma High Temperature 92

Monobloc domestic
hot water heat pump 96

Split domestic hot water heat pump 98

Daikin Altherma Flex Type 100

Daikin Altherma High Capacity 102

Daikin Altherma Ground
source heat pump 104

Daikin Altherma Hybrid heat pump 108



Daikin Altherma 3

powered by Bluevolution with R-32 refrigerant

Why choose **Daikin Altherma 3?**

Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R32.



Unique on the market

High performance

› Delivering temperatures up to 65°C at high efficiency, the R32 Daikin Altherma 3 is suitable for both underfloor heating and radiators and retains its pedigree trademark in frost protection down to -25°C, ensuring reliable operation even in the coldest climates.
› The optimal combination of Bluevolution technology offers the highest performance:
  » seasonal efficiency up to A+++ (energy label 2019)
  » heating efficiency up to a COP of 5,1 (at 7°C/35°C)
  » Domestic hot water efficiency up to COP of 3,3 (EN16147)
› Available in 4, 6 and 8 kW

Easy to install

› Delivered ready to work: all key hydraulic elements are already factory mounted
› The new design enables that all servicing can be done from the front and all piping can be accessed at the top of the unit
› Stylish modern outlook
› The outdoor unit is tested and charged with refrigerant, installation time is reduced

Easy commissioning :

› Integrated high resolution colour interface
› Quick wizard allowing commissioning in maximum 9 easy steps to have the full system ready to work
› Next to that the configuration can take place remotely to upload later on the unit after the day of the installation.

Easy to control

› The combined effect of the Daikin Altherma weather dependent set-point controls and its inverter compressors maximises the efficiency of the new R32 Daikin Altherma 3 at each outdoor temperature, assuring consistent room temperatures at all times.
› To control on a daily basis your home temperature, settings can be done anywhere at any time via the Daikin Online Controller app. This online controller allows adjustment of home comfort levels to suit individual preferences while achieving further energy efficiencies. The R32 Daikin Altherma 3 range can also be fully integrated with other home control systems



Control via app

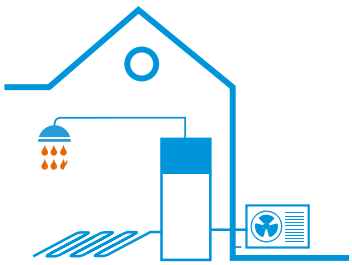
Daikin Altherma 3
offers a wide range to adapt to your customers needs

- **Best seasonal efficiencies** providing the highest savings on running costs
- Perfect fit for **new builds**, as well as for low energy houses
- A leaving water temperature up to 65°C makes it also **a perfect choice for refurbishments**



To cover all applications, the R32 Daikin Altherma 3 is available in

3 different indoor units



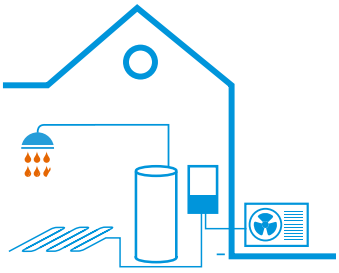
Floor standing unit with integrated domestic hot water tank

Compact and yet 100 % comfort guaranteed
› All components and connections are factory mounted
› Very small 595 x 625 mm installation footprint required
› Minimum electrical input with constantly available hot water
› Dedicated bi-zone models available: two temperature zones automatically regulated by the same indoor unit
› Modern stylish design available in white or silver-grey



Floor standing unit with integrated ECH$_2$O tank

Integrated solar unit and domestic hot water tank
Maximising renewable energy with top comfort for hot water preparation
› Solar support for domestic hot water
› Lightweight plastic tank
› Bivalent option: can be combined with a secondary heat source
› App control available



Wall mounted unit

High flexibility for installation and domestic hot water connection
› Compact unit with small installation (almost no side clearance is required)
› Can be combined with a space separate domestic hot water tank up to 500 litres, with or without solar support
› Stylish modern design

DESIGN AWARD 2018

reddot award 2018 winner

R-32

BLUEVOLUTION



Daikin Altherma 3 floor standing unit

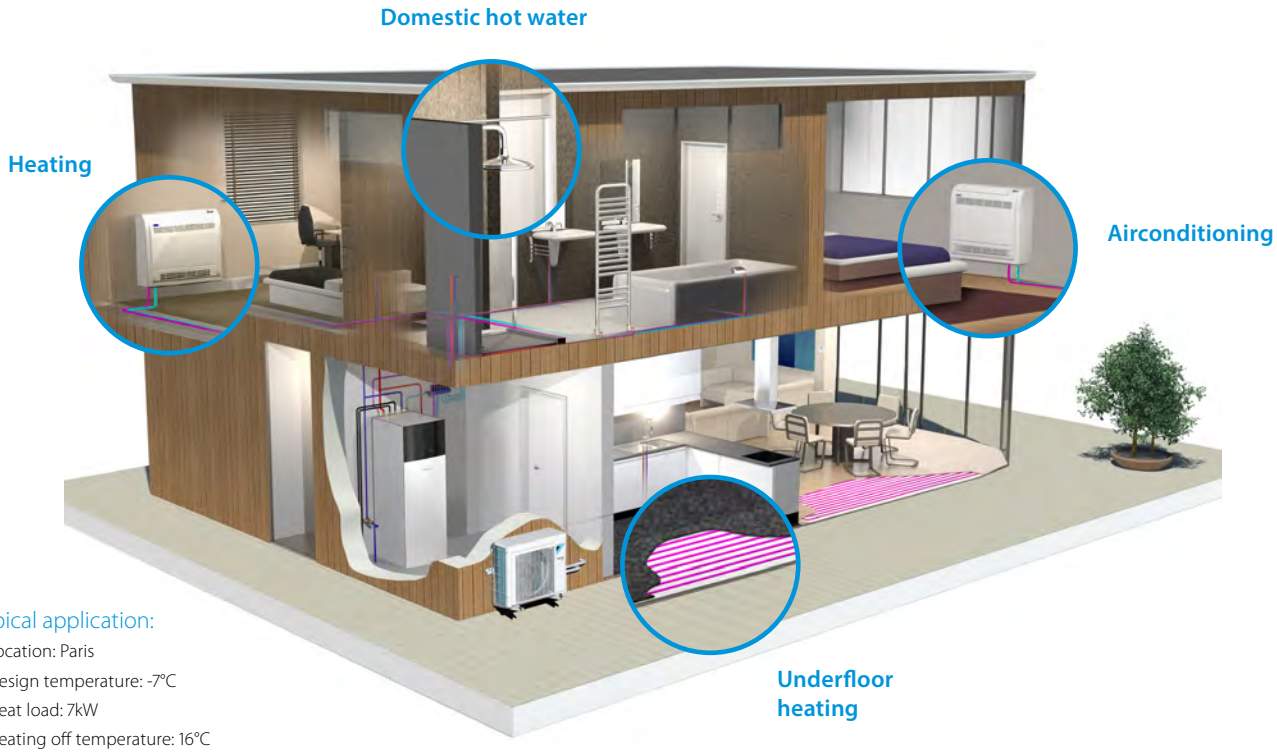
with integrated domestic hot water tank

Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for new build and low energy houses.

All in one system to save installation space and time

- A combined stainless steel domestic hot water tank of 180 or 230 L and heatpump ensures a faster installation compared to traditional systems.
- Inclusion of all hydraulic components means no third party components are required.
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 600 mm
- Integrated back-up heater choice of 3, 6, 9 kW aswell as back-up heater less models are available
- Dedicated bi-zone models allowing temperature monitoring for 2 zones connect underfloor heating to radiators for optimise efficiency



Typical application:

- Location: Paris
- Design temperature: -7°C
- Heat load: 7kW
- Heating off temperature: 16°C

All-in one design

Reduces the installation footprint and height

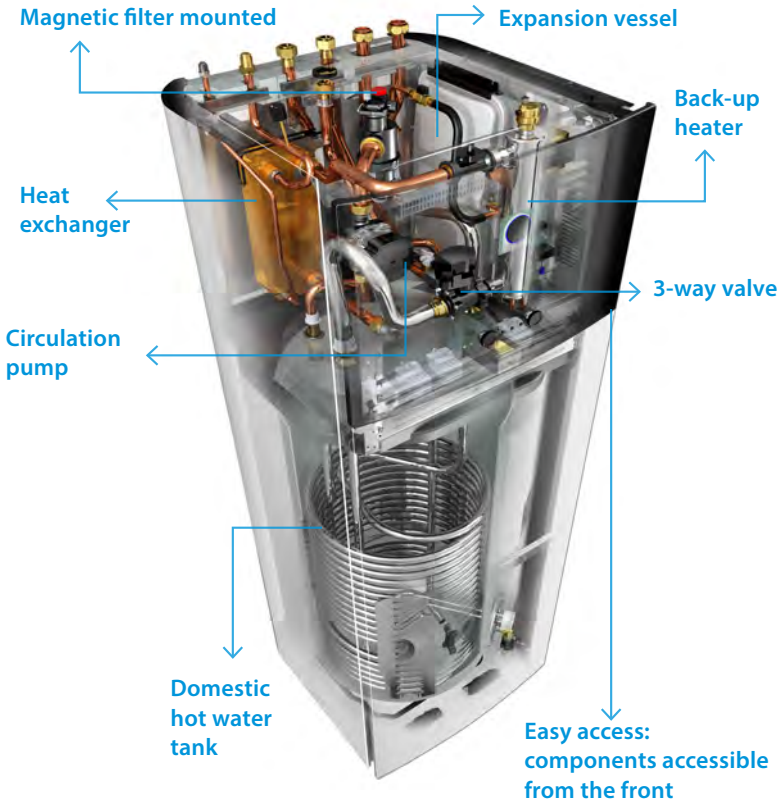
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 600 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1,65 m for an 180 L tank and 1,85 m for a 230 L tank, the required installation height is less than 2m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



Advanced user interface



The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.

Blue is perfect! Should the eye turn red, an error has occured.

Quick to configure

Log in and you'll be able to completely configure the unit via the new MMI in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

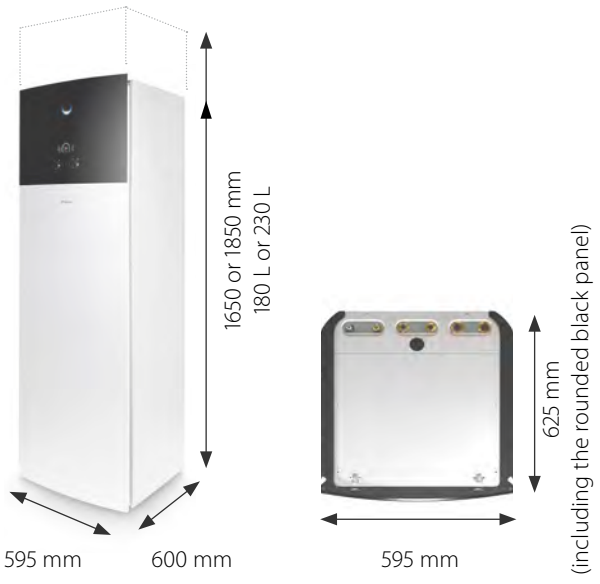
Easy operation

Work super-fast with the new MMI. It's super easy to use with just a few buttons and 2 navigational knobs.

Beautiful design

The MMI was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

Integrated indoor unit



Daikin Altherma 3 low temperature split integrated floor standing unit

Floor standing air to water heat pump for **heating and hot water**; ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 600 mm
- Integrated back-up heater choice of 6 or 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25°C



EHVH-D6V

EHVH-D6VG



ERGA-DV





011-1W0218 → 222
011-1W0245, 247
011-1W0249 → 251



(3)



(3)



R-32

Efficiency data				EHVH + ERGA	04S18D6V(G)+ 04DV	04S23D6V(G)+ 04DV	08S18D6V(G)/D9W(G) + 06DV	08S23D6V(G)/D9W(G) + 06DV	08S18D6V(G)/D9W(G) + 08DV	08S23D6V(G)/D9W(G) + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26				3.32	
			ηs (Seasonal space heating efficiency)	%	127				130	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176				179	
			Seasonal space heating eff. class		A+++ (3)					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	125	133	125	133	125	133
		Water heating energy efficiency class			A+ (3)					

Indoor Unit				EHVH	04S18D6V(G)	04S23D6V(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)
Casing	Colour				White + Black					
	Material				Resin / Sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	131	139	131	139	131	139
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	5~30					
		Water side	Min.~Max.	°C	15 ~65					
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Max.	°C	70					
Sound power level	Nom.			dBA	42					
Sound pressure level	Nom.			dBA	28					

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 low temperature split integrated floor standing unit

Floor standing air to water heat pump for **heating, cooling and hot water**; ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 600 mm
- Integrated back-up heater choice of 3, 6, 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25°C



011-1W0218 → 222
011-1W0245, 247
011-1W0249 → 251

A+++ (3) A+ (3) 65°C R-32

Efficiency data				EHVX + ERGA	04S18D3V(G)/ D6V(G) + 04DV	04S23D3V(G)/ D6V(G) + 04DV	08S18D6V(G)/ D9W(G) + 06DV	08S23D6V(G)/ D9W(G) + 06DV	08S18D6V(G)/ D9W(G) + 08DV	08S23D6V(G)/ D9W(G) + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0,850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.			kW	5.56 (1) / 4.37 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)	
Power input	Cooling	Nom.		kW	0,940 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.94 (1) / 3.84 (2)		5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26				3.32	
			ηs (Seasonal space heating efficiency)	%	127				130	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176				179	
			Seasonal space heating eff. class		A+++(3)					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	127	134	125	133	125	133
		Water heating energy efficiency class			A+ (3)					

Indoor Unit				EHVX	04S18D3V(G)/ D6V(G)	04S23D3V(G)/ D6V(G)	08S18D6V(G)/ D9W(G)	08S23D6V(G)/ D9W(G)	08S18D6V(G)/ D9W(G)	08S23D6V(G)/ D9W(G)
Casing	Colour				White + Black					
	Material				Resin / Sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	131	139	131	139	131	139
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min.~Max.	°C	5~30					
		Water side	Min.~Max.	°C	15 ~65					
	Cooling	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Min.~Max.	°C	5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35					
		Water side	Max.	°C	70					
Sound power level	Nom.			dBA	42					
Sound pressure level	Nom.			dBA	28					

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Daikin Altherma 3 low temperature split integrated bi-zone

Floor standing integrated with **two different temperature zones monitoring**

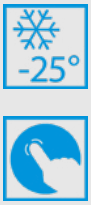
- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 600 mm
- Integrated back-up heater choice of 6 or 9 kW
- Outdoor unit extracts heat from the outdoor air, even at -25°C



EHVZ-D6V EHVZ-D6VG



ERGA-DV





011-1W0218 → 222



(3) (3)

Efficiency data				EHVZ + ERGA	04S18D6V(G) + 04DV	08S18D6V(G)/D9W(G) + 06DV	08S23D6V(G)/D9W(G) + 06DV	08S18D6V(G)/D9W(G) + 08DV	08S23D6V(G)/D9W(G) + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP			3.26		3.32	
			ηs (Seasonal space heating efficiency)	%		127		130	
			Seasonal space heating eff. class			A++			
	Average climate water outlet 35°C	General	SCOP		4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%		176		179	
			Seasonal space heating eff. class			A+++ (3)			
Domestic hot water heating	General	Declared load profile				L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%		125	133	125	133
		Water heating energy efficiency class				A+ (3)			

Indoor Unit				EHVZ	04S18D6V(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)	08S18D6V(G)/D9W(G)	08S23D6V(G)/D9W(G)
Casing	Colour					White + Black			
	Material					Resin / Sheet metal			
Dimensions	Unit	HeightxWidthxDepth		mm		1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg		136	144	136	144
Tank	Water volume			l		180	230	180	230
	Maximum water temperature			°C		70			
	Maximum water pressure			bar		10			
	Corrosion protection					Pickling			
Operation range	Heating	Ambient	Min.~Max.	°C		5~30			
		Water side	Min.~Max.	°C		15 ~65			
	Domestic hot water	Ambient	Min.~Max.	°CDB		5~35			
		Water side	Max.	°C		70			
Sound power level	Nom.			dBA		42			
Sound pressure level	Nom.			dBA		28			

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm		740x884x388	
Weight	Unit			kg		58.5	
Compressor	Quantity					1	
	Type					Hermetically sealed swing compressor	
Operation range	Cooling		Min.~Max.	°CDB		10~43	
	Domestic hot water		Min.~Max.	°CDB		-25~35	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge			kg		1.50	
	Charge			TCO2Eq		1.01	
	Control					Expansion valve	
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V		V3/1N~/50/230	
Current	Recommended fuses			A		25	

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 low temperature split integrated floor standing unit without backup heater

Floor standing air to water heat pump for **heating and hot water**; ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint of 595 x 600 mm
- Outdoor unit extracts heat from the outdoor air, even at -25°C

011-1W0218 → 220
011-1W0245, 247
011-1W0249, 251



A+++ (3) A+ (3) 65°C R-32

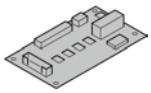
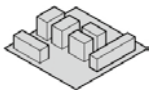
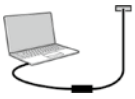
Efficiency data				EHVH + ERGA	04S23DV(G) + 04DV	08S23DV(G) + 06DV	08S23DV(G) + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1,24 (1) / 1,69 (2)	1,63 (1) / 2.23 (2)
COP					5.10 (1) / 3.65 (2)	4,85 (1) / 3,50 (2)	4,60 (1) / 3.50 (2)
Space heating	Average climate water outlet 55°C	General	SCOP		3.26		3.32
			ηs (Seasonal space heating efficiency)	%	127		130
			Seasonal space heating eff. class		A++		
	Average climate water outlet 35°C	General	SCOP		4.48	4.47	4.56
			ηs (Seasonal space heating efficiency)	%	176		179
			Seasonal space heating eff. class		A+++ (3)		
Domestic hot water heating	General	Declared load profile			XL		
	Average climate	ηwh (water heating efficiency)		%	134		
		Water heating energy efficiency class			A+ (3)		

Indoor Unit				EHVH	04S23DV(G)	08S23DV(G)	08S23DV(G)
Casing	Colour				White + Black		
	Material				Resin / Sheet metal		
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x595x625		
Weight	Unit			kg	139		
Tank	Water volume			l	230		
	Maximum water temperature			°C	70		
	Maximum water pressure			bar	10		
	Corrosion protection				Pickling		
Operation range	Heating	Ambient	Min.~Max.	°C	5~30		
		Water side	Min.~Max.	°C	10 ~70		
	Domestic hot water	Ambient	Min.~Max.	°CDB	5~35		
		Water side	Max.	°C	70		
Sound power level	Nom.			dBA	42		
Sound pressure level	Nom.			dBA	28		

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Options

Type		Material name		Daikin Altherma 3 LT split Wall mounted	Daikin Altherma 3 LT split Floor standing
Controls	Remote user interface	EKRUDAS		●	●
	LAN Adapter + PV Solar connection	BRP069A61		●	●
	LAN only	BRP069A62		●	●
	Room thermostat (wired)	EKRTWA		●	●
	Room thermostat (wireless)	EKRTR1		●	●
	External sensor	EKRTETS		●	●
Adapter	Demand PCB	EKRP1AHTA		●	●
	Digital I/O PCB	EKRP1HBAA		●	●
Back-up heater	Back-up heater kit	EKLBUHCB6W1			• only for EHVH-DV(G)
Installation	Bi-zone kit (watts kit)	BZKA7V3		●	• (excluding EHVZ)
Sensors	Remote indoor sensor	KRCS01-1		●	●
	Remote outdoor sensor	EKRSCA-1		●	●
Others	PC USB Cable	EKPCCAB3		●	●
	Conversion kit	EKHBCONV		●	
		EKHVCONV			●
	Low sound cover for ERGA-D	EKLN-A		●	●





Daikin Altherma 3 ECH$_2$O

The Daikin Altherma low temperature split integrated ECH$_2$O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling.

Intelligent storage management

› The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
› Continuous heating during defrost mode and use of stored heat for space heating (500l tank only)
› Electronic management of both heat pump and ECH$_2$O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
› Achieves the highest standards for water sanitation
› Uses more renewable energy with solar connection

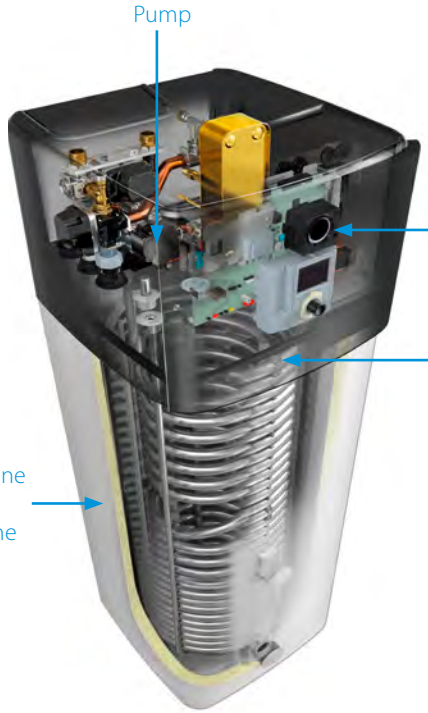
Innovative and high-quality tank

› Lightweight plastic tank
› No corrosion, anode, scale or lime deposits
› Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

Combinable with other heat sources

› The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption

ECH$_2$O



Advanced user interface



The Daikin-Eye

The intuitive Daikin eye shows you in real time the status of your system.
Blue is perfect! Should the eye turn red, an error has occurred.

Quick to configure

Log in and you'll be able to completely configure the unit in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

Easy operation

The user interface works really fast thanks to its icon-based menus.

Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

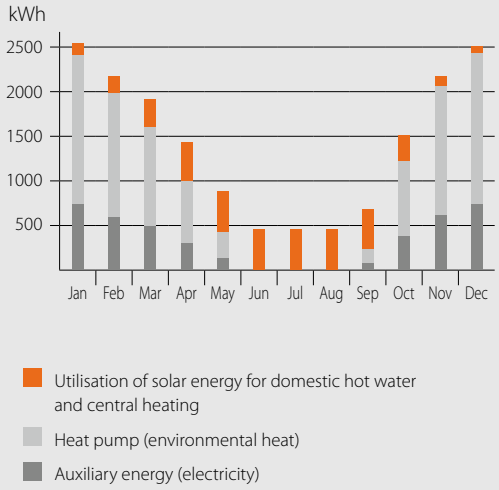
ECH$_2$O thermal store range: additional hot water comfort

Combine your indoor unit with a thermal store to achieve the ultimate comfort at home.
› Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
› Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
› Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
› Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Pressureless (drain-back) solar system (EHSH-D, EHSX-D)
› The solar collectors are only filled with water when sufficient heating is provided by the sun
› The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
› After filling, water circulation is maintained by the remaining pump

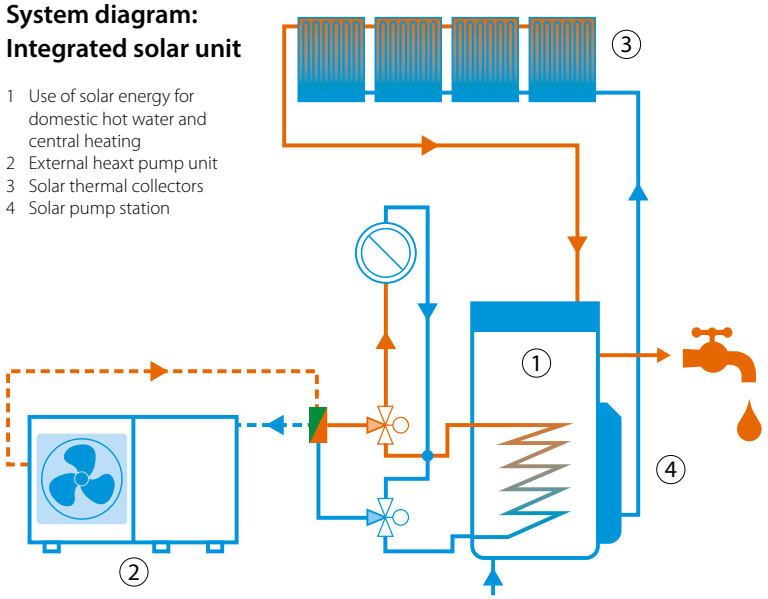
Pressurised solar system (EHSHB-D, EHSXB-D)
› System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
› System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Integrated solar unit

1 Use of solar energy for domestic hot water and central heating
2 External heaxt pump unit
3 Solar thermal collectors
4 Solar pump station



Daikin Altherma 3 ECH$_2$O

Floor standing air to water heat pump for heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump



A+++ (3)

A

65°C

R-32

011-1W0262
011-1W0264 → 267

Efficiency data				EHSH + ERGA	04P30D + 04DV	08P30D + 06DV	08P50D + 06DV	08P30D + 08DV	08P50D + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.85 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26			3.32	
			ηs (Seasonal space heating efficiency)	%	127			130	
			Seasonal space heating eff. class		A++				
	Average climate water outlet 35°C	General	SCOP		4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176			179	
			Seasonal space heating eff. class		A+++ (3)				
Domestic hot water heating	General	Declared load profile			L		XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	108		106	108	106
		Water heating energy efficiency class			A				

Indoor Unit				EHSH	04P30D	08P30D	08P50D	08P30D	08P50D
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)				
	Material				Impact resistant polypropylene				
Dimensions	Unit	HeightxWidthxDepth		mm	1891x595x615		1896x790x790	1891x595x615	1896x790x790
Weight	Unit			kg	73		93	73	93
Tank	Water volume			l	294		477	294	477
	Maximum water temperature			°C	85				
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25				
		Water side	Min.~Max.	°C	18~65				
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35				
		Water side	Min.~Max.	°C	25~55				
Sound power level	Nom.			dBA	39.1				
Sound pressure level	Nom.			dBA	28				

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0		
	Domestic hot water		Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

(3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Daikin Altherma 3 ECH$_2$O

Floor standing air to water heat pump for bivalent heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation



ERGA-DV EHSHB-D

A+++ A 65°C R-32

(3)

011-1W0262
011-1W0264 → 267

Efficiency data				EHSHB + ERGA	04P30D + 04DV	08P30D + 06DV	08P50D + 06DV	08P30D + 08DV	08P50D + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.85 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26			3.32	
			ηs (Seasonal space heating efficiency)	%	127			130	
			Seasonal space heating eff. class		A++				
	Average climate water outlet35°C	General	SCOP		4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176			179	
			Seasonal space heating eff. class		A+++ (3)				
Domestic hot water heating	General	Declared load profile			L		XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	108		109	108	109
		Water heating energy efficiency class			A				

Indoor Unit				EHSHB	04P30D	08P30D	08P50D	08P30D	08P50D
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)				
	Material				Impact resistant polypropylene				
Dimensions	Unit	HeightxWidthxDepth		mm	1891x595x615		1896x790x790	1891x595x615	1896x790x790
Weight	Unit			kg	73		93	73	93
Tank	Water volume			l	294		477	294	477
	Maximum water temperature			°C	85				
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25				
		Water side	Min.~Max.	°C	18~65				
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35				
		Water side	Min.~Max.	°C	25~55				
Sound power level	Nom.			dBA	39.1				
Sound pressure level	Nom.			dBA	28				

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0		
	Domestic hot water		Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

(3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Daikin Altherma 3 ECH$_2$O

Floor standing air to water heat pump for heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump



A+++ (3) A 65°C R-32

011-1W0262 → 267

Efficiency data				EHSX + ERGA	04P30D + 04DV	04P50D + 04DV	08P30D + 06DV	08P50D + 06DV	08P30D + 08DV	08P50D + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.85 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.			kW	5.56 (1) / 4.37 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)	
Power input	Cooling	Nom.		kW	0.94 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.94 (1) / 3.84 (2)		5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26				3.32	
			ηs (Seasonal space heating efficiency)	%	127				130	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176				179	
			Seasonal space heating eff. class		A+++ (3)					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	108	106	108	106	108	106
		Water heating energy efficiency class			A					

Indoor Unit				EHSX	04P30D	04P50D	08P30D	08P50D	08P30D	08P50D
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1891x595x615	1896x790x790	1891x595x615	1896x790x790	1891x595x615	1896x790x790
Weight	Unit			kg	73	93	73	93	73	93
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25					
		Water side	Min.~Max.	°C	18~65					
	Cooling	Ambient	Min.~Max.	°CDB	10~43					
		Water side	Min.~Max.	°C	5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Sound power level	Nom.			dBA	39.1					
Sound pressure level	Nom.			dBA	28					

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0		
	Domestic hot water		Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

(3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 ECH$_2$O

Floor standing air to water heat pump for bivalent heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation



A+++ (3)

A

65°C

R-32

011-1W0262 → 267

Efficiency data				EHSXB + ERGA	04P30D + 04DV	04P50D + 04DV	08P30D + 06DV	08P50D + 06DV	08P30D + 08DV	08P50D + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.85 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.			kW	5.56 (1) / 4.37 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)	
Power input	Cooling	Nom.		kW	0.94 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.94 (1) / 3.84 (2)		5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26				3.32	
			ηs (Seasonal space heating efficiency)	%	127				130	
			Seasonal space heating eff. class		A++					
	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176				179	
			Seasonal space heating eff. class		A+++ (3)					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	108	109	108	109	108	109
		Water heating energy efficiency class			A					

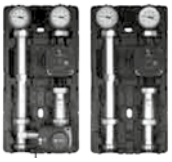
Indoor Unit				EHSXB	04P30D	04P50D	08P30D	08P50D	08P30D	08P50D
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1891x595x615	1896x790x790	1891x595x615	1896x790x790	1891x595x615	1896x790x790
Weight	Unit			kg	76	99	76	99	76	99
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25					
		Water side	Min.~Max.	°C	18~65					
	Cooling	Ambient	Min.~Max.	°CDB	10~43					
		Water side	Min.~Max.	°C	5~22					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Sound power level	Nom.			dBA	39.1					
Sound pressure level	Nom.			dBA	28					

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0		
	Domestic hot water		Min.~Max.	°CDB	-25 ~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

(3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Options

Type		Material name	Daikin Altherma 3 ECH$_2$O
Controls	Room thermostat	RoCon U1 / EHS157034	
	Mixer module	RoCon M1 / EHS157068	
	Remote outdoor sensor	EKRSC1	
	Gateway for apps	RoCon G1 / EHS157056	
Back-up heater	Back-up heater 1 kW + Switchbox	EKBUB1C + EKBUHSWB	
	Back-up heater 3 kW + Switchbox	EKBUB3C + EKBUHSWB	
	Back-up heater 9 kW + Switchbox	EKBU9C + EKBUHSWB	
Hydraulics	Hydraulic separator	HWC / 172900	
	Heat insulation for HWC	WHWC / 172901	
Pump group	Pump group with mixer module	156075	
	Pump group without mixer module	156077	
Additional connections	Dirt separator SAS1	SAS1 / 156021	
	Dirt separator SAS2	SAS2 / 156023	
	Biv connector kit	141589	
	DB connector kit	141590	
	Terminal connection kit	141592	
	Connector external heater	141591	
Other	Low sound cover for ERGA-D	EKLN-A	



DESIGN AWARD 2018

reddot award 2018 winner

R-32

BLUEVOLUTION

Daikin Altherma 3 wall mounted unit

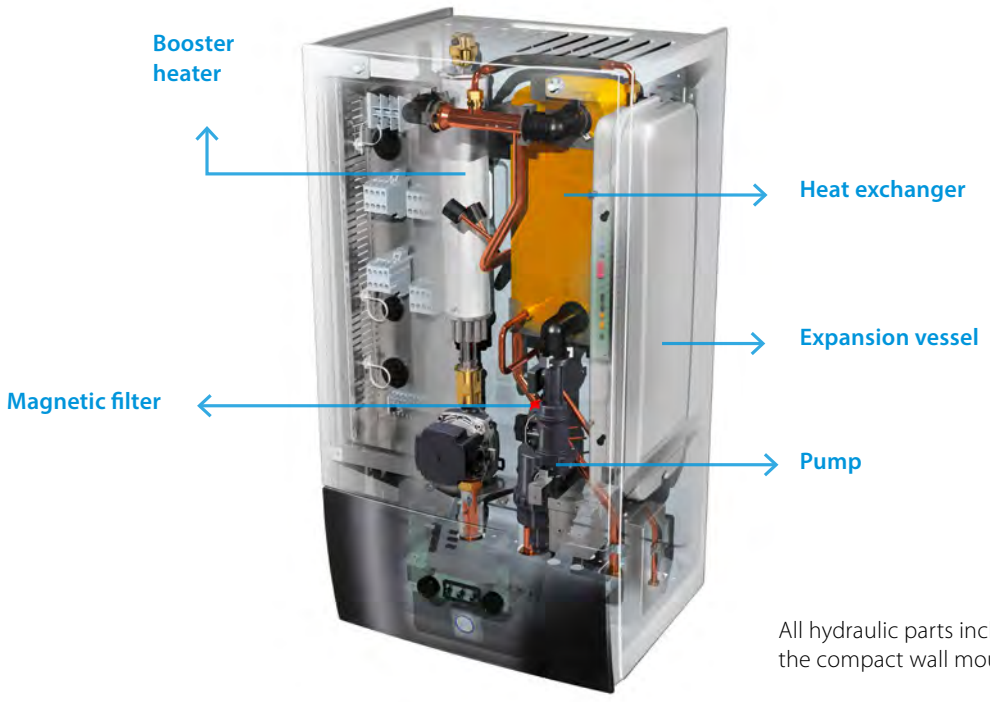


Why choose Daikin wall mounted unit?

The Daikin Altherma 3 split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water.

High flexibility for installation and domestic hot water connection

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- The unit's sleek design blends in with other household appliances.
- Combine with a stainless steel or ECH_2O thermal store



All hydraulic parts included in the compact wall mounted unit

Flexibility in providing domestic hot water

If the end user only requires hot water and installation height is limited, a separate tank can provide the required installation flexibility. At the side of our standard stainless steel tanks, we propose the ECH_2O thermal stores.



ECH_2O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: with high tapping performance
- Fit for future possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build on the unit combined with cascade principle offers flexible installation options

Example of installation with a stainless steel domestic hot water tank.



Daikin Altherma 3 low temperature split wall mounted unit

Wall mounted **heating only** air-to-water heat pump ideal for low energy houses

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- The unit's sleek design blends in with other household appliances.
- Combine with a stainless steel tank or ECH$_2$O thermal store.
- Outdoor unit extracts heat from the outdoor air, even at -25°C

011-1W0218-219
011-1W0221
011-1W0246-247



A+++ (3)

65°C

R-32

Efficiency data				EHBH + ERGA	04D6V + 04DV	08D6V + 06DV	08D9W + 06DV	08D6V + 08DV	08D9W + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.85 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26			3.32	
			ηs (Seasonal space heating efficiency)	%	127			130	
			Seasonal space heating eff. class		A++				
	Average climate water outlet 35°C	General	SCOP		4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176			179	
			Seasonal space heating eff. class		A+++ (3)				

Indoor Unit				EHBH	04D6V	08D6V	08D9W	08D6V	08D9W
Casing	Colour				White + Black				
	Material				Resin, sheet metal				
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390				
Weight	Unit			kg	42.0		42.4	42.0	42.4
Operation range	Heating	Water side	Min.~Max.	°C	15 ~65				
	Domestic hot water	Water side	Min.~Max.	°C	25~75				
Sound power level	Nom.			dBA	42				
Sound pressure level	Nom.			dBA	28				

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

DAIKIN altherma

BLUEVOLUTION

Daikin Altherma 3 low temperature split wall mounted unit

Wall mounted **reversible** air-to-water heat pump ideal for low energy houses

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- The unit's sleek design blends in with other household appliances.
- Combine with a stainless steel tank or ECH$_2$O thermal store.
- Outdoor unit extracts heat from the outdoor air, even at -25°C

011-1W0218-219
011-1W0221
011-1W0246-247



A+++ (3)

65°C

R-32

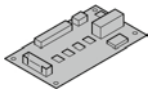
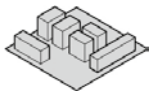
Efficiency data				EHBX + ERGA	04D6V + 04DV	08D6V + 06DV	08D9W + 06DV	08D6V + 08DV	08D9W + 08DV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
Cooling capacity	Nom.			kW	5.56 (1) / 4.37 (2)	5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)	
Power input	Cooling	Nom.		kW	0.940 (1) / 1.14 (2)	1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.94 (1) / 3.84 (2)	5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26			3.32	
			ηs (Seasonal space heating efficiency)	%	127			130	
			Seasonal space heating eff. class		A++				
	Average climate water outlet 35°C	General	SCOP		4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176			179	
			Seasonal space heating eff. class		A+++ (3)				

Indoor Unit				EHBX	04D6V	08D6V	08D9W	08D6V	08D9W
Casing	Colour				White + Black				
	Material				Resin, sheet metal				
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390				
Weight	Unit			kg	42.0		42.4	42.0	42.4
Operation range	Heating	Water side	Min.~Max.	°C	15 ~65				
	Domestic hot water	Water side	Min.~Max.	°C	25~75				
Sound power level	Nom.			dBA	42				
Sound pressure level	Nom.			dBA	28				

Outdoor Unit				ERGA	04DV	06DV	08DV
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			TCO2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58	60	62
	Cooling		Nom.	dBA	61	62	
Sound pressure level	Heating		Nom.	dBA	44	47	49
	Cooling		Nom.	dBA	48	49	50
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	25		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) According to EU n°811/2013 label lay-out 2019, on a scale from G to A+++.

Options

Type		Material name		Daikin Altherma 3 LT split Wall mounted	Daikin Altherma 3 LT split Floor standing
Controls	Remote user interface	EKRUDAS		●	●
	LAN Adapter + PV Solar connection	BRP069A61		●	●
	LAN only	BRP069A62		●	●
	Room thermostat (wired)	EKRTWA		●	●
	Room thermostat (wireless)	EKRTR1		●	●
	External sensor	EKRTETS		●	●
Adapter	Demand PCB	EKRP1AHTA		●	●
	Digital I/O PCB	EKRP1HBAA		●	●
Back-up heater	Back-up heater kit	EKLBUHCB6W1			only for EHVH-DV(G)
Installation	Bi-zone kit (watts kit)	BZKA7V3		●	(excluding EHVZ)
Sensors	Remote indoor sensor	KRCS01-1		●	●
	Remote outdoor sensor	EKRSCA-1		●	●
Others	PC USB Cable	EKPCCAB3		●	●
	Conversion kit	EKHBCONV		●	
		EKHVCONV			●
	Low sound cover for ERGA-D	EKLN-A		●	●

R-410A



Daikin Altherma low temperature split

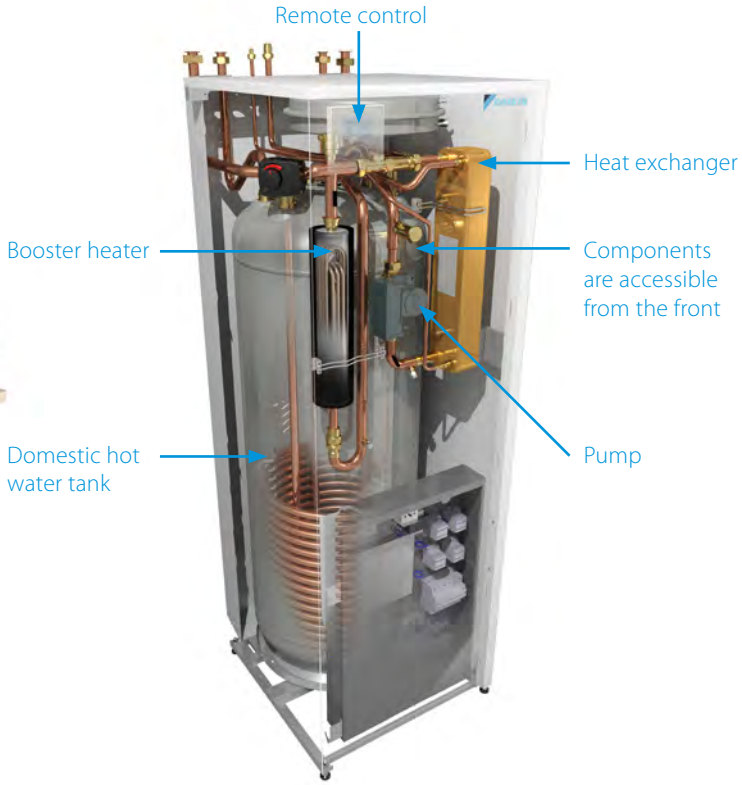
floor standing unit with integrated domestic hot water tank

The Daikin Altherma floor standing unit heating delivers domestic hot water and cooling for new builds and low-energy houses.

All-in-one system to save installation space and time

- A combined stainless steel domestic hot water tank and heat pump ensures a faster installation compared to traditional systems
- Inclusion of all hydraulic components means no third-party components are required
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint with space reduced by more than 30%
- Integrated bi-zone kit allows temperature monitoring for two zones: connect underfloor heating to radiators to optimise efficiency.







All-in-one design reduces the installation footprint and height

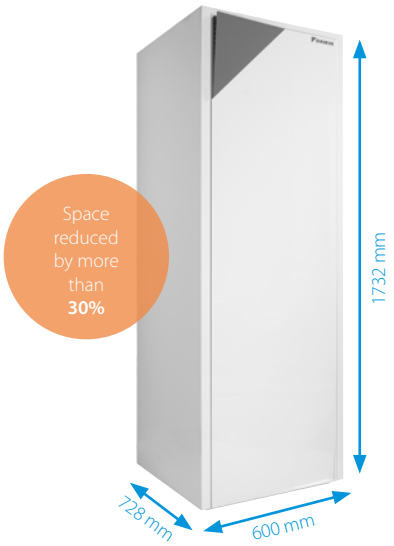
Compared to the traditional split version for a wall mounted indoor unit and separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

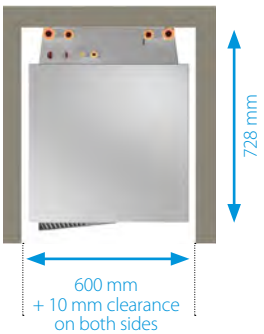
Smaller footprint: with a width of only 600 mm and a depth of 728 mm, the integrated indoor unit has a similar footprint when compared to other household appliances. For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit. This results in an installation footprint of only 0.45 m^2.

Low installation height: both the 180l and 260l version come with a height of 173 cm. The required installation hight is less than 2 m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easily blending in with other household appliances.

Integrated indoor unit





Daikin Altherma low temperature split integrated floor standing unit

Floor standing air to water heat pump **for heating and hot water**, ideal for low energy houses

- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



011-1W0068 → 78

A++ A 55°C R-410A

Efficiency data				EHVH + ERLQ-C	04S18CB3V + 004CV3	08S26CB9W / 08S18CB3V + 006CV3	08S18CB3V / 08S26CB9W + 008CV3	11S18CB3V / 11S26CB9W + 011CV3	16S18CB3V / 16S26CB9W + 014CV3	16S18CB3V / 16S26CB9W + 016CV3	11S18CB3V / 11S26CB9W + 011CW1	16S18CB3V / 16S26CB9W + 014CW1	16S18CB3V / 16S26CB9W + 016CW1
Heating capacity	Nom.			kW	4.40 / 4.03	6.00 / 5.67	7.40 / 6.89	11.2 / 11.0	14.5 / 13.6	16.0 / 15.2	11.2 / 11.0	14.5 / 13.6	16.0 / 15.2
Power input	Heating	Nom.		kW	0.870 / 1.13	1.27 / 1.59	1.66 / 2.01	2.43 / 3.10	3.37 / 4.10	3.76 / 4.66	3.42 / 4.21	3.37 / 4.10	3.76 / 4.66
COP					5.04 / 3.58	4.74 / 3.56	4.45 / 3.42	4.60 / 2.75 / 3.55 / 2.10	4.30 / 2.65 / 3.32 / 2.08	4.25 / 2.64 / 3.26 / 2.09	4.60 / 2.75 / 3.55 / 2.10	4.30 / 2.65 / 3.32 / 2.08	4.25 / 2.64 / 3.26 / 2.09
Space heating	Average climate water outlet 55°C	General	SCOP		3.20	3.22	3.20	3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	125	126	125	120	123	119	120	123	119
			Seasonal space heating eff. class		A++			A+					
	Average climate water outlet 35°C	General	SCOP		4.52	4.29	4.34	3.98	3.90	3.80	3.98	3.90	3.80
			ηs (Seasonal space heating efficiency)	%	178	169	171	156	153	149	156	153	149
			Seasonal space heating eff. class		A++					A+	A++		A+
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	L	XL	L	XL	L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	95.0	90.0	86.4	90.0	87.4	97.7	87.4	97.7	87.4	97.7	87.4	97.7	87.4	97.7	87.4	97.7
		Water heating energy efficiency class			A															

Indoor Unit				EHVH	04S18CB3V	08S26CB9W / 08S18CB3V	08S18CB3V / 08S26CB9W	11S18CB3V / 11S26CB9W	16S18CB3V / 16S26CB9W	16S18CB3V / 16S26CB9W	11S18CB3V / 11S26CB9W	16S18CB3V / 16S26CB9W	16S18CB3V / 16S26CB9W
Casing	Colour				White								
	Material				Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728								
Weight	Unit			kg	116	127	117	127	117	126	118	128	118	128	117	126	118	128	118	128
Tank	Water volume			l	180	260	180	260	180	260	180	260	180	260	180	260	180	260	180	260
	Maximum water temperature			°C	65								
	Maximum water pressure			bar	10								
	Corrosion protection				Anode								
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0								
	Domestic hot water	Water side	Min.~Max.	°C	25~60			25~60 / 60					
Sound power level	Nom.			dBA	42.0				44.0		42.0	44.0	
Sound pressure level	Nom.			dBA	28.0				30.0		28.0	30.0	

Outdoor Unit				ERLQ-C	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	735x832x307			1,345x900x320					
Weight	Unit			kg	54	56		113			114		
Compressor	Quantity				1								
	Type				Hermetically sealed swing compressor			Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0			10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-25 ~35			-20 ~35					
Refrigerant	Type				R-410A								
	GWP				2,087.5								
	Charge			kg	1.5	1.6		3.4					
	Charge			TCO2Eq	3.1	3.3		7.1					
	GWP				2,087.5								
Sound power level	Heating		Nom.	dBA	61		62	64		66	64		66
	Cooling		Nom.	dBA	63			64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	48		49	51		52	51		52
	Cooling		Nom.	dBA	48	49	50		52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230						W1/3N~/50/400		
Current	Recommended fuses			A	16		20	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split integrated floor standing unit

Floor standing air to water heat pump **for heating and hot water**, ideal for low energy houses

- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Outdoor unit extracts heat from the outdoor air, even at -20°C
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



EHVH-C



ERHQ011-016BW1







Efficiency data				EHVH + ERHQ-B	11S26CB9W / 11S18CB3V + 011BV3		16S26CB9W / 16S18CB3V + 014BV3		16S26CB9W / 16S18CB3V + 016BV3		11S26CB9W / 11S18CB3V + 011BW1		16S26CB9W / 16S18CB3V + 014BW17		16S18CB3V / 16S26CB9W + 016BW1	
Heating capacity	Nom.			kW	11.2 / 10.3		14.0 / 13.1		16.0 / 15.2		11.3 / 11.0		14.5 / 13.6		16.1 / 15.1	
Power input	Heating	Nom.		kW	2.55 / 3.17		3.26 / 4.04		3.92 / 4.75		2.63 / 3.24		3.42 / 4.21		3.82 / 4.69	
COP					4.39 / 3.25		4.29 / 3.24		4.08 / 3.20		4.30 / 3.39		4.24 / 3.22		4.20 / 3.22	
Space heating	Average climate water outlet 55°C	General	SCOP		2.86		2.82		2.92		2.90		2.86		2.96	
			ηs (Seasonal space heating efficiency)	%	112		110		114		113		111		115	
			Seasonal space heating eff. class		A+											
	Average climate water outlet 35°C	General	SCOP		2.99		3.23		3.29		3.08		3.34			
			ηs (Seasonal space heating efficiency)	%	117		126		129		120		131		130	
			Seasonal space heating eff. class		A		A+				A		A+			
Domestic hot water heating	General	Declared load profile			XL	L	XL	L	XL	L	XL	L	XL	L	L	XL
	Average climate	ηwh (water heating efficiency)		%	95.3	90.5	95.3	90.5	95.3	90.5	87.3	84.3	87.3	84.3	84.3	87.3
		Water heating energy efficiency class			A										A	

Indoor Unit				EHVH	11S26CB9W / 11S18CB3V		16S26CB9W / 16S18CB3V		16S26CB9W / 16S18CB3V		11S26CB9W / 11S18CB3V		16S26CB9W / 16S18CB3V		16S18CB3V / 16S26CB9W	
Casing	Colour				White											
	Material				Precoated sheet metal											
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728											
Weight	Unit			kg	126	117	128	118	128	118	126	117	128	118	118	128
Tank	Water volume			l	260	180	260	180	260	180	260	180	260	180	180	260
	Maximum water temperature			°C	65											
	Maximum water pressure			bar	10											
	Corrosion protection				Anode											
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0											
	Domestic hot water	Water side	Min.~Max.	°C	25~60 / 60											
Sound power level	Nom.			dBA	42.0		44.0				42.0		44.0			
Sound pressure level	Nom.			dBA	28.0		30.0				28.0		30.0			

Outdoor Unit				ERHQ-B	011BV3	014BV3	016BV3	011BW1	014BW17	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320			1,345x900x320		
Weight	Unit			kg	102			108		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	2.7			3.0		
	Charge			TCO2Eq	5.6			6.3		
	GWP				2,087.5					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	49	51	53	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	32			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split integrated floor standing unit

Floor standing air to water heat pump for **heating, cooling and hot water**; ideal for low energy houses

- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



011-1W0068 → 78

up to A++ A

Efficiency data				EHVX + ERLQ-C	04S18 CB3V + 004CV3	08S18CB3V / 08S26CB9W + 006CV3	08S18CB3V / 08S26CB9W + 008CV3	11S18CB3V / 11S26CB9W + 011CV3	16S18CB3V / 16S26CB9W + 014CV3	16S18CB3V / 16S26CB9W + 016CV3	11S18CB3V / 11S26CB9W + 011CW1	16S18CB3V / 16S26CB9W + 014CW1	16S18CB3V / 16S26CB9W + 016CW1
Heating capacity	Nom.			kW	4.40(1) / 4.03(2)	6.00(1) / 5.67(2)	7.40(1) / 6.89(2)	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)
Cooling capacity	Nom.			kW	4.08(1) / 4.17(2)	5.88(1) / 4.84(2)	6.20(1) / 5.36(2)	12.1(1) / 11.7(2)	12.7(1) / 12.6(2)	13.8(1) / 13.1(2)	12.1(1) / 11.7(2)	12.7(1) / 12.6(2)	13.8(1) / 13.1(2)
Power input	Heating	Nom.		kW	0.870(1) / 1.13(2)	1.27(1) / 1.59(2)	1.66(1) / 2.01(2)	2.43(1) / 3.10(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)	2.43(1) / 3.10(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)
	Cooling	Nom.		kW	0.900(1) / 1.80(2)	1.51(1) / 2.07(2)	1.64(1) / 2.34(2)	3.05(1) / 4.31(2)	3.21(1) / 5.08(2)	3.74(1) / 5.73(2)	3.05(1) / 4.31(2)	3.21(1) / 5.08(2)	3.74(1) / 5.73(2)
COP					5.04(1) / 3.58(2)	4.74(1) / 3.56(2)	4.45(1) / 3.42(2)	4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.30(1) / 2.65(2) / 3.32(3) / 2.08(4)	4.25(1) / 2.64(2) / 3.26(3) / 2.09(4)	4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.30(1) / 2.65(2) / 3.32(1) / 2.08(2)	4.25(1) / 2.64(2) / 3.26(3) / 2.09(4)
EER					4.55(1) / 2.32(2)	3.89(1) / 2.34(2)	3.79(1) / 2.29(2)	3.98(1) / 2.72(2)	3.96(1) / 2.47(2)	3.69(1) / 2.29(2)	3.98(1) / 2.72(2)	3.96(1) / 2.47(2)	3.69(1) / 2.29(2)
Space heating	Average climate water outlet 55°C	General	SCOP		3.20	3.22	3.20	3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	125	126	125	120	123	119	120	123	119
			Seasonal space heating eff. class		A++			A+					
	Average climate water outlet 35°C	General	SCOP		4.52	4.29	4.34	3.98	3.90	3.80	3.98	3.90	3.80
			ηs (Seasonal space heating efficiency)	%	178	169	171	156	153	149	156	153	149
			Seasonal space heating eff. class		A++					A+	A++		A+
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	L	XL	L	XL	L	XL	L	XL	L	XL
	Average climate	ηwh (water heating efficiency)		%	95.0	86.4	90.0	86.4	90.0	87.4	97.7	87.4	97.7	87.4	97.7	87.4	97.7	87.4	97.7	87.4	97.7
		Water heating energy efficiency class			A									A						

Indoor Unit				EHVX	04S18CB3V	08S18CB3V	08S26CB9W	11S18CB3V	11S26CB9W	16S18CB3V	16S26CB9W
Casing	Colour				White						
	Material				Precoated sheet metal						
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728						
Weight	Unit			kg	117	119	129	119	128	120	130
Tank	Water volume			l	180		260	180	260	180	260
	Maximum water temperature			°C	65						
	Maximum water pressure			bar	10						
	Corrosion protection				Anode						
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0						
	Cooling	Water side	Min.~Max.	°C	5.00~22.0						
	Domestic hot water	Water side	Min.~Max.	°C	25~60			25~60 / 60			
Sound power level	Nom.			dBA	42.0					44.0	
Sound pressure level	Nom.			dBA	28.0					30.0	

Outdoor Unit				ERLQ-C	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	735x832x307			1,345x900x320					
Weight	Unit			kg	54	56		113			114		
Compressor	Quantity				1								
	Type				Hermetically sealed swing compressor			Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0			10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-25 ~35			-20 ~35					
Refrigerant	Type				R-410A								
	GWP				2,087.5								
	Charge			kg	1.5	1.6		3.4					
	Charge			TCO2Eq	3.1	3.3		7.1					
	GWP				2,087.5								
Sound power level	Heating		Nom.	dBA	61		62	64		66	64		66
	Cooling		Nom.	dBA	63			64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	48		49	51		52	51		52
	Cooling		Nom.	dBA	48	49	50		52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230						W1/3N~/50/400		
Current	Recommended fuses			A	16		20	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split integrated floor standing unit

Floor standing air to water heat pump for **heating, cooling and hot water**; ideal for low energy houses

- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Outdoor unit extracts heat from the outdoor air, even at -20°C
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



EHVX-CB



ERHQ011-016BW1

A++ A 55°C R-410A

Efficiency data				EHVX + ERHQ-B	11S18CB3V + 011BV3	11S26CB9W + 011BV3	16S26CB9W + 014BV3	16S18CB3V + 014BV3	16S26CB9W + 016BV3	16S18CB3V + 016BV3	11S18CB3V + 011BW1	11S26CB9W + 011BW1	16S26CB9W + 014BW17	16S18CB3V + 014BW17	16S18CB3V + 016BW1	16S26CB9W + 016BW1
Heating capacity	Nom.			kW	11.2 (1) / 10.3(2)		14.0 (1) / 13.1(2)		16.0 (1) / 15.2(2)		11.3 (1) / 11.0(2)		14.5 (1) / 13.6(2)		16.1 (1) / 15.1(2)	
Cooling capacity	Nom.			kW	13.9 (1) / 10.0(2)		17.3 (1) / 12.5(2)		17.8 (1) / 13.1(2)		15.1 (1) / 11.7(2)		16.1 (1) / 12.6(2)		16.8 (1) / 13.1(2)	
Power input	Heating	Nom.		kW	2.55 (1) / 3.17(2)		3.26 (1) / 4.04(2)		3.92 (1) / 4.75(2)		2.63 (1) / 3.24(2)		3.42 (1) / 4.21(2)		3.82 (1) / 4.69(2)	
	Cooling	Nom.		kW	3.86 (1) / 3.69(2)		5.86 (1) / 5.69(2)		6.87 (1) / 5.95(2)		4.53 (1) / 4.31(2)		5.43 (1) / 5.08(2)		6.16 (1) / 5.73(2)	
COP					4.39 (1) / 3.25(2)		4.29 (1) / 3.24(2)		4.08 (1) / 3.20(2)		4.30 (1) / 3.39(2)		4.24 (1) / 3.22(2)		4.20 (1) / 3.22(2)	
EER					3.60 (1) / 2.71(2)		2.95 (1) / 2.32(2)		2.59 (1) / 2.20(2)		3.32 (1) / 2.72(2)		2.96 (1) / 2.47(2)		2.72 (1) / 2.29(2)	
Space heating	Average climate water outlet 55°C	General	SCOP		2.86		2.82		2.92		2.90		2.86 / 2.80		2.96	
			ηs (Seasonal space heating efficiency)	%	112		110		114		113		111 / 109		115	
			Seasonal space heating eff. class		A+											
	Average climate water outlet 35°C	General	SCOP		2.99		3.23		3.29		3.08		3.34		3.33	
			ηs (Seasonal space heating efficiency)	%	117		126		129		120		131		130	
			Seasonal space heating eff. class		A		A+				A		A+			
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L		XL		L		XL	
	Average climate	ηwh (water heating efficiency)		%	90.5	95.3	90.5	95.3	90.5	84.3	87.3		84.3		87.3	
		Water heating energy efficiency class			A											

Indoor Unit				EHVX	11S18CB3V	11S26CB9W	16S26CB9W	16S18CB3V	16S26CB9W	16S18CB3V	11S18CB3V	11S26CB9W	16S26CB9W	16S18CB3V	16S18CB3V	16S26CB9W
Casing	Colour				White											
	Material				Precoated sheet metal											
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728											
Weight	Unit			kg	119	128	130	120	130	120	119	128	130	120		130
Tank	Water volume			l	180	260		180	260	180		260		180		260
	Maximum water temperature			°C	65											
	Maximum water pressure			bar	10											
	Corrosion protection				Anode											
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0											
	Cooling	Water side	Min.~Max.	°C	5.00~22.0											
	Domestic hot water	Water side	Min.~Max.	°C	25~60 / 60											
Sound power level	Nom.			dBA	42.0		44.0				42.0		44.0			
Sound pressure level	Nom.			dBA	28.0		30.0				28.0		30.0			

Outdoor Unit				ERHQ-B	011BV3	011BV3	014BV3	014BV3	016BV3	016BV3	011BW1	011BW1	014BW1	014BW17	016BW1	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320						1,345x900x320					
Weight	Unit			kg	102						108					
Compressor	Quantity				1											
	Type				Hermetically sealed scroll compressor											
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0											
	Domestic hot water		Min.~Max.	°CDB	-20 ~35											
Refrigerant	Type				R-410A											
	GWP				2,087.5											
	Charge			kg	2.7						3.0					
	Charge			TCO2Eq	5.6						6.3					
	GWP				2,087.5											
Sound power level	Heating		Nom.	dBA	64				66		64				66	
	Cooling		Nom.	dBA	64		66		69		64		66		69	
Sound pressure level	Heating		Nom.	dBA	49		51		53		51				52	
	Cooling		Nom.	dBA	50		52		54		50		52		54	
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230						W1/3N~/50/400					
Current	Recommended fuses			A	32						20					

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Daikin Altherma low temperature split integrated bi-zone

Optimum efficiency offering full flexibility in heat emitters

- Two different temperature zones can be automatically regulated by the same indoor unit
- Offers flexibility to the end user to combine different heat emitters e.g. under floor heating and radiators while optimising the efficiency
- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Energy efficient heating only system based on air to water heat pump technology
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

up to A++

A

011-1W0068 → 78

Efficiency data				EHVZ + ERLQ-C	04S18CB3V + 004CV3	08S18CB3V + 006CV3	08S18CB3V + 008CV3	16S18CB3V + 011CV3	16S18CB3V + 014CV3	16S18CB3V + 016CV3	16S18CB3V + 011CW1	16S18CB3V + 014CW1	16S18CB3V + 016CW1
Heating capacity	Nom.			kW	4.40(1) / 4.03(2)	6.00(1) / 5.67(2)	7.40(1) / 6.89(2)	11.2(1) / 11.0(2)	14.4(1) / 13.5(2)	15.9(1) / 15.1(2)	11.2(1) / 11.0(2)	14.4(1) / 13.5(2)	15.9(1) / 15.1(2)
Power input	Heating	Nom.		kW	0.870(1) / 1.13(2)	1.27(1) / 1.59(2)	1.66(1) / 2.01(2)	2.43(1) / 3.10(2)	3.39(1) / 4.12(2)	3.77(1) / 4.67(2)	2.43(1) / 3.10(2)	3.39(1) / 4.12(2)	3.77(1) / 4.67(2)
COP					5.04(1) / 3.58(2)	4.74(1) / 3.56(2)	4.45(1) / 3.42(2)	4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.24(1) / 2.61(2) / 3.28(3) / 2.05(4)	4.22(1) / 2.61(2) / 3.23(3) / 2.07(4)	4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.24(1) / 2.61(2) / 3.28(3) / 2.05(7)	4.22(1) / 2.61(2) / 3.23(3) / 2.07(4)
Space heating	Average climate water outlet 55°C	General	SCOP		3.20	3.22	3.23	3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	125	126		120	123	119	120	123	119
			Seasonal space heating eff. class		A++			A+					
	Average climate water outlet 35°C	General	SCOP		4.52	4.29	4.34	-					
			ηs (Seasonal space heating efficiency)	%	178	169	171	-					
			Seasonal space heating eff. class		A++			-					
Pump Additional Zone	Nominal ESP unit (*RLQ*C*)	Heating		kPa	52.3 / 55.4	40.6 / 43.3	28.3 / 32.7	26.2 (1) / 28.3 (2)	25.0		26.2 (1) / 28.3 (2)	25.0	
Pump Main Zone	Nominal ESP unit (*RLQ*C*)	Heating		kPa	48.6 / 51.9	39.5 / 42.3	26.4 / 31.2	18.2 (1) / 20.7 (2)	25.0		18.2 (1) / 20.7 (2)	25.0	
Domestic hot water heating	General	Declared load profile			L								
	Average climate	ηwh (water heating efficiency)		%	95.0	86.4		87.4					
		Water heating energy efficiency class			A								

Indoor Unit				EHVZ	04S18CB3V	08S18CB3V	08S18CB3V	16S18CB3V	16S18CB3V	16S18CB3V	16S18CB3V	16S18CB3V	16S18CB3V
Casing	Colour				White								
	Material				Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728								
Weight	Unit			kg	121	122		121					
Tank	Water volume			l	180								
	Maximum water temperature			°C	65								
	Maximum water pressure			bar	10								
	Corrosion protection				Anode								
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55			15 ~55					
	Domestic hot water	Water side	Min.~Max.	°C	25~60			25~60 / 60					
Sound power level	Nom.			dBA	42			44					
Sound pressure level	Nom.			dBA	28			30					

Outdoor Unit				ERLQ-C	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	735x832x307			1,345x900x320					
Weight	Unit			kg	54	56		113			114		
Compressor	Quantity				1								
	Type				Hermetically sealed swing compressor			Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0			10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-25 ~35			-20 ~35					
Refrigerant	Type				R-410A								
	GWP				2,087.5								
	Charge			kg	1.5	1.6		3.4					
	Charge			TCO2Eq	3.1	3.3		7.1					
Sound power level	Heating		Nom.	dBA	61		62	64		66	64		66
	Cooling		Nom.	dBA	63			64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	48		49	51		52	51		52
	Cooling		Nom.	dBA	48	49	50		52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230						W1/3N~/50/400		
Current	Recommended fuses			A	16		20	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split integrated bi-zone

Optimum efficiency offering full flexibility in heat emitters

- Two different temperature zones can be automatically regulated by the same indoor unit
- Offers flexibility to the end user to combine different heat emitters e.g. under floor heating and radiators while optimising the efficiency
- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Outdoor unit extracts heat from the outdoor air, even at -20°C
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



EHVZ-CB3V



ERHQ011-016BW1











R-410A

Efficiency data				EHVZ + ERHQ-B	16S18CB3V + 011BV3	16S18CB3V + 014BV3	16S18CB3V + 016BV3	16S18CB3V + 011BW1	16S18CB3V + 014BW17	16S18CB3V + 016BW1
Heating capacity	Nom.			kW	11.2(1) / 10.3(2)	14.0(1) / 13.1(2)	16.0(1) / 15.2(2)	11.3(1) / 11.0(2)	14.5(1) / 13.6(2)	16.1(1) / 15.1(2)
Power input	Heating	Nom.		kW	2.55(1) / 3.17(2)	3.26(1) / 4.04(2)	3.92(1) / 4.75(2)	2.63(1) / 3.24(2)	3.42(1) / 4.21(2)	3.82(1) / 4.69(2)
COP					4.39(1) / 3.25(2)	4.29(1) / 3.24(2)	4.08(1) / 3.20(2)	4.30(1) / 3.39(2)	4.24(1) / 3.22(2)	4.20(1) / 3.22(2)
Space heating	Average climate water outlet 55°C	General	SCOP		2.86	2.82	2.92	2.90	2.86	2.96
			ηs (Seasonal space heating efficiency)	%	112	110	114	113	111	115
			Seasonal space heating eff. class		A+					
Pump Additional Zone	Nominal ESP unit (*RHQ*B*)	Heating		kPa	26.2 (1.000) / 35.0 (2.000)	25.0 (5.000)		24.8 (1.000) / 28.3 (2.000)	25.0 (5.000)	
Pump Main Zone	Nominal ESP unit (*RHQ*B*)	Heating		kPa	18.2 (1.000) / 28.8 (2.000)	25.0 (5.000)		16.4 (1.000) / 20.7 (2.000)	25.0 (5.000)	
Domestic hot water heating	General	Declared load profile			L					
	Average climate	ηwh (water heating efficiency)		%	90.5			84.3		
		Water heating energy efficiency class			A					

Indoor Unit				EHVZ	16S18CB3V	16S18CB3V	16S18CB3V	16S18CB3V	16S18CB3V	16S18CB3V
Casing	Colour				White					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728					
Weight	Unit			kg	121					
Tank	Water volume			l	180					
	Maximum water temperature			°C	65					
	Maximum water pressure			bar	10					
	Corrosion protection				Anode					
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55					
	Domestic hot water	Water side	Min.~Max.	°C	25~60 / 60					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				ERHQ-B	011BV3	014BV3	016BV3	011BW1	014BW17	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320			1,345x900x320		
Weight	Unit			kg	102			108		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	2.7			3.0		
	Charge			TCO2Eq	5.6			6.3		
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	49	51	53	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	32			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split integrated floor standing unit without back-up heater

Floor standing air to water heat pump **for heating and hot water**, ideal for low energy houses

- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Energy efficient heating only system without back-up heater
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



011-1W0068 →78

Efficiency data				EHVH + ERLQ-C	04S18CBV + 004CV3	08S18CBV + 006CV3	08S26CBV + 006CV3	08S26CBV + 008CV3	08S18CBV + 008CV3	11S26CBV + 011CV3	16S26CBV + 014CV3	16S26CBV + 016CV3	11S26CBV + 011CW1	16S26CBV + 014CW1	16S26CBV + 016CW1
Heating capacity	Nom.			kW	4.40(1) / 4.03(2)	6.00(1) / 5.67(2)		7.40(1) / 6.89(2)		11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)
Power input	Heating	Nom.		kW	0.870(1) / 1.13(2)	1.27(1) / 1.59(2)		1.66(1) / 2.01(2)		2.43(1) / 3.10(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)	3.42(1) / 4.21(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)
COP					5.04(1) / 3.58(2)	4.74(1) / 3.56(2)		4.45(1) / 3.42(2)		4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.30(1) / 2.65(2) / 3.32(3) / 2.08(4)	4.25(1) / 2.64(2) / 3.26(3) / 2.09(4)	4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.30(1) / 2.65(2) / 3.32(3) / 2.08(4)	4.25(1) / 2.64(2) / 3.26(3) / 2.09(4)
Space heating	Average climate water outlet 55°C	General	SCOP		3.20	3.22		3.20		3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	125	126		125		120	123	119	120	123	119
			Seasonal space heating eff. class		A++					A+					
	Average climate water outlet 35°C	General	SCOP		4.52	4.29		4.34		3.98	3.90	3.80	3.98	3.90	3.80
			ηs (Seasonal space heating efficiency)	%	178	169		171		156	153	149	156	153	149
			Seasonal space heating eff. class		A++							A+	A++		A+
Domestic hot water heating	General	Declared load profile			L		XL		L	XL					
	Average climate	ηwh (water heating efficiency)		%	95.0	86.4	90.0		86.4	97.7					97.7
		Water heating energy efficiency class			A										

Indoor Unit				EHVH	04S18CBV	08S18CBV	08S26CBV	08S26CBV	08S18CBV	11S26CBV	16S26CBV	16S26CBV	11S26CBV	16S26CBV	16S26CBV
Casing	Colour				White										
	Material				Precoated sheet metal										
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728										
Weight	Unit			kg	116	117	125		117	124	126		124	126	
Tank	Water volume			l	180		260		180	260					
	Maximum water temperature			°C	65										
	Maximum water pressure			bar	10										
	Corrosion protection				Anode										
Operation range	Heating	Water side Min.~Max.		°C	10 ~55.0					10 ~55.0					
	Domestic hot water	Water side Min.~Max.		°C	25~70										
Sound power level	Nom.			dBA	42.0						44.0		42.0	44.0	
Sound pressure level	Nom.			dBA	28.0						30.0		28.0	30.0	

Outdoor Unit				ERLQ-C	004CV3	006CV3	006CV3	008CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	735x832x307					1,345x900x320					
Weight	Unit			kg	54	56				113			114		
Compressor	Quantity				1										
	Type				Hermetically sealed swing compressor					Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.		°CDB	10.0~43.0					10.0~46.0					
	Domestic hot water	Min.~Max.		°CDB	-25 ~35					-20 ~35					
Refrigerant	Type				R-410A										
	GWP				2,087.5										
	Charge			kg	1.5	1.6				3.4					
	Charge			TCO2Eq	3.1	3.3				7.1					
	GWP				2,087.5										
Sound power level	Heating		Nom.	dBA	61			62		64		66	64		66
	Cooling		Nom.	dBA	63					64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	48			49		51		52	51		52
	Cooling		Nom.	dBA	48	49		50			52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230								W1/3N~/50/400		
Current	Recommended fuses			A	16			20		40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split integrated floor standing unit without back-up heater

Floor standing air to water heat pump for heating and hot water, ideal for low energy houses

- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Energy efficient heating only system without back-up heater
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



EHVH-CBV



ERHQ011-016BW1



Efficiency data				EHVH + ERHQ-B	11S26CBV + 011BV3	16S26CBV + 014BV3	16S26CBV + 016BV3	11S26CBV + 011BW1	16S26CBV + 014BW17	16S26CBV + 016BW1
Heating capacity	Nom.			kW	11.2 (1) / 10.3(2)	14.0 (1) / 13.1(2)	16.0 (1) / 15.2(2)	11.3 (1) / 11.0(2)	14.5 (1) / 13.6(2)	16.1 (1) / 15.1(2)
Power input	Heating	Nom.		kW	2.55 (1) / 3.17(2)	3.26 (1) / 4.04(2)	3.92 (1) / 4.75(2)	2.63 (1) / 3.24(2)	3.42 (1) / 4.21(2)	3.82 (1) / 4.69(2)
COP					4.39 (1) / 3.25(2)	4.29 (1) / 3.24(2)	4.08 (1) / 3.20(2)	4.30 (1) / 3.39(2)	4.24 (1) / 3.22(2)	4.20 (1) / 3.22(2)
Space heating	Average climate water outlet 55°C	General	SCOP		2.86	2.82	2.92	2.90	2.86	2.96
			ηs (Seasonal space heating efficiency)	%	112	110	114	113	111	115
			Seasonal space heating eff. class		A+					
	Average climate water outlet 35°C	General	SCOP		2.99	3.23	3.29	3.08	3.34	3.33
			ηs (Seasonal space heating efficiency)	%	117	126	129	120	131	130
			Seasonal space heating eff. class		A	A+		A	A+	
Domestic hot water heating	General	Declared load profile			XL					
	Average climate	ηwh (water heating efficiency)		%	95.3			87.3		
		Water heating energy efficiency class			A					

Indoor Unit				EHVH	11S26CBV	16S26CBV	16S26CBV	11S26CBV	16S26CBV	16S26CBV
Casing	Colour				White					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728					
Weight	Unit			kg	124	126		124	126	
Tank	Water volume			l	260					
	Maximum water temperature			°C	65					
	Maximum water pressure			bar	10					
	Corrosion protection				Anode					
Operation range	Heating	Water side	Min.~Max.	°C	10 ~55.0					
	Domestic hot water	Water side	Min.~Max.	°C	25~70					
Sound power level	Nom.			dBA	42.0	44.0		42.0	44.0	
Sound pressure level	Nom.			dBA	28.0	30.0		28.0	30.0	

Outdoor Unit				ERHQ-B	011BV3	014BV3	016BV3	011BW1	014BW17	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320			1,345x900x320		
Weight	Unit			kg	102			108		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	2.7			3.0		
	Charge			TCO2Eq	5.6			6.3		
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	49	51	53	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	32			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split integrated floor standing unit for UK

Floor standing air to water heat pump **for heating and hot water**, ideal for low energy houses

- Integrated indoor unit: pre-plumbed and pre-wired indoor unit for a simpler, hassle free and neater heating and hot water installation
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



EHVH-CB6W



ERLQ004-008CV3



ERLQ011-016CW1

011-1W0068 →78

up to A++ A 55°C R-410A

Efficiency data				EHVH + ERLQ-C	04SU18CB6W +004CV3	08SU18CB6W +006CV3	08SU26CB6W +006CV3	08SU26CB6W +008CV3	08SU18CB6W +008CV3	11SU26CB6W +011CV3	16SU26CB6W +014CV3	16SU26CB6W +016CV3	11SU26CB6W +011CW1	16SU26CB6W +014CW1	16SU26CB6W +016CW1
Heating capacity	Nom.			kW	4.40(1) / 4.03(2)	6.00(1) / 5.67(2)		7.40(1) / 6.89(2)		11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)
Power input	Heating	Nom.		kW	0.870(1) / 1.13(2)	1.27(1) / 1.59(2)		1.66(1) / 2.01(2)		2.43(1) / 3.10(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)	3.42(1) / 4.21(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)
COP					5.04(1) / 3.58(2)	4.74(1) / 3.56(2)		4.45(1) / 3.42(2)		4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.30(1) / 2.65(2) / 3.32(3) / 2.08(4)	4.25(1) / 2.64(2) / 3.26(3) / 2.09(4)	4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.30(1) / 2.65(2) / 3.32(3) / 2.08(4)	4.25(1) / 2.64(2) / 3.26(3) / 2.09(4)
Space heating	Average climate water outlet 55°C	General	SCOP		3.20	3.22		3.20		3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	125	126		125		120	123	119	120	123	119
			Seasonal space heating eff. class		A++					A+					
	Average climate water outlet 35°C	General	SCOP		4.52	4.29		4.34		3.98	3.90	3.80	3.98	3.90	3.80
			ηs (Seasonal space heating efficiency)	%	178	169		171		156	153	149	156	153	149
			Seasonal space heating eff. class		A++							A+	A++		A+
Domestic hot water heating	General	Declared load profile			L		XL		L	XL					
	Average climate	ηwh (water heating efficiency)		%	95.0	86.4	90.0		86.4	97.7					
		Water heating energy efficiency class			A										

Indoor Unit			EHVH	04SU18CB6W	08SU18CB6W	08SU26CB6W	08SU26CB6W	08SU18CB6W	11SU26CB6W	16SU26CB6W	16SU26CB6W	11SU26CB6W	16SU26CB6W	16SU26CB6W
Casing	Colour			White										
	Material			Precoated sheet metal										
Dimensions	Unit	HeightxWidthxDepth	mm	1,732x600x728										
Weight	Unit		kg	118	121	127		121	128	130		128	130	
Tank	Water volume		l	180		260		180	260					
	Maximum water temperature		°C	65										
	Maximum water pressure		bar	10										
	Corrosion protection			Anode										
Operation range	Heating	Water side Min.~Max.	°C	15 ~55.0					15 ~55.0					
	Domestic hot water	Water side Min.~Max.	°C	25~65										
Sound power level	Nom.		dBA	42.0						44.0		42.0	44.0	
Sound pressure level	Nom.		dBA	28.0						30.0		28.0	30.0	

Outdoor Unit			ERLQ-C	004CV3	006CV3	006CV3	008CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307					1,345x900x320					
Weight	Unit		kg	54	56				113			114		
Compressor	Quantity			1										
	Type			Hermetically sealed swing compressor					Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.	°CDB	10.0~43.0					10.0~46.0					
	Domestic hot water	Min.~Max.	°CDB	-25 ~35					-20 ~35					
Refrigerant	Type			R-410A										
	GWP			2,087.5										
	Charge		kg	1.5	1.6				3.4					
	Charge		TCO2Eq	3.1	3.3				7.1					
	GWP			2,087.5										
Sound power level	Heating	Nom.	dBA	61		62			64		66	64		66
	Cooling	Nom.	dBA	63					64	66	69	64	66	69
Sound pressure level	Heating	Nom.	dBA	48		49			51		52	51		52
	Cooling	Nom.	dBA	48	49	50			52		54	50	52	54
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230								W1/3N~/50/400		
Current	Recommended fuses		A	16		20			40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split integrated floor standing unit for UK

Floor standing air to water heat pump **for heating and hot water**, ideal for low energy houses

- Integrated indoor unit: pre-plumbed and pre-wired indoor unit for a simpler, hassle free and neater heating and hot water installation
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



EHVH-CB6W



ERHQ011-016BW1

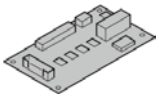
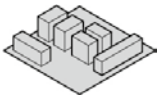
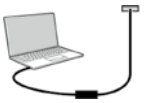


Efficiency data				EHVH + ERHQ-B	11SU26CB6W + 011BV3	16SU26CB6W + 014BV3	16SU26CB6W + 016BV3	11SU26CB6W + 011BW1	16SU26CB6W + 014BW17	16SU26CB6W + 016BW1
Heating capacity	Nom.			kW	11.2(1) / 10.3(2)	14.0(1) / 13.1(2)	16.0(1) / 15.2(2)	11.3(1) / 11.0(2)	14.5(1) / 13.6(2)	16.1(1) / 15.1(2)
Power input	Heating	Nom.		kW	2.55(1) / 3.17(2)	3.26(1) / 4.04(2)	3.92(1) / 4.75(2)	2.63(1) / 3.24(2)	3.42(1) / 4.21(2)	3.82(1) / 4.69(2)
COP					4.39(1) / 3.25(2)	4.29(1) / 3.24(2)	4.08(1) / 3.20(2)	4.30(1) / 3.39(2)	4.24(1) / 3.22(2)	4.20(1) / 3.22(2)
Space heating	Average climate water outlet 55°C	General	SCOP		2.86	2.82	2.92	2.90	2.86	2.96
			ηs (Seasonal space heating efficiency)	%	112	110	114	113	111	115
			Seasonal space heating eff. class		A+					
	Average climate water outlet 35°C	General	SCOP		2.99	3.23	3.29	3.08	3.34	3.33
			ηs (Seasonal space heating efficiency)	%	117	126	129	120	131	130
			Seasonal space heating eff. class		A	A+		A	A+	
Domestic hot water heating	General	Declared load profile			XL					
	Average climate	ηwh (water heating efficiency)		%	95.3			87.3		
		Water heating energy efficiency class			A					

Indoor Unit				EHVH	11SU26CB6W	16SU26CB6W	16SU26CB6W	11SU26CB6W	16SU26CB6W	16SU26CB6W
Casing	Colour				White					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728					
Weight	Unit			kg	128	130		128	130	
Tank	Water volume			l	260					
	Maximum water temperature			°C	65					
	Maximum water pressure			bar	10					
	Corrosion protection				Anode					
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0					
	Domestic hot water	Water side	Min.~Max.	°C	25~65					
Sound power level	Nom.			dBA	42.0	44.0		42.0	44.0	
Sound pressure level	Nom.			dBA	28.0	30.0		28.0	30.0	

Outdoor Unit				ERHQ-B	011BV3	014BV3	016BV3	011BW1	014BW17	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320			1,345x900x320		
Weight	Unit			kg	102			108		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.		°CDB	10.0~46.0					
	Domestic hot water	Min.~Max.		°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	2.7			3.0		
	Charge			TCO2Eq	5.6			6.3		
Sound power level	Heating	Nom.		dBA	64		66	64		66
	Cooling	Nom.		dBA	64	66	69	64	66	69
Sound pressure level	Heating	Nom.		dBA	49	51	53	51		52
	Cooling	Nom.		dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	32			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

Type		Material name		Daikin Altherma LT split wall mounted /floor standing	
				4-8kW	11-16kW
Controls	LAN adapter	BRP069A62		•	•
	LAN adapter + PV solar connection	BRP069A61		•	•
	Remote user interface (DE, FR, NL, IT)	EKRUCBL1		•	•
	Remote user interface (EN, ES, EL, PT)	EKRUCBL3		•	•
	Remote user interface (EN, SV, NO, FI)	EKRUCBL2		•	•
	Remote user interface (EN, TR, PL, RO)	EKRUCBL4		•	•
	Remote user interface (DE, CS, SL, SK)	EKRUCBL5		•	•
	Remote user interface (EN, HR, HU, BG)	EKRUCBL6		•	•
	Remote user interface (EN, DE, RU, DA)	EKRUCBL7		•	•
	Simplified user interface	EKRUCBSB		•	•
	Room thermostat (wired)	EKRTWA		•	•
	Room thermostat (wireless)	EKRTR1		•	•
	Centralised controller kit	EKCC-W		•	•
Adapter	Demand PCB	EKRP1AHTA		•	•
	Digital I/O PCB	EKRP1HBAA		•	•
Back-up heater	Back-up heater kit	EKLBUHCB6W1			•
	Booster heater for tank integrated design	EKBSHCA3V3			•
	Bottom plate heater	EKBPHTH16A			•
Drain	Drain kit	EKDK04		•	•
	Drain pan for indoor wall munted	EKHBDPCA2		•	•
	Drain pan for outdoor (excl heater)	EKDP008CA		•	
	Drain pan heater	EKDPH008CA		•	
Filter	Magnetic filter without additives	K.FERNOXTF1		•	•
	Magnetic filter with additive (500ml inhibitor fluid F1)	K.FERNOXTF1FL		•	•
Installation	Bi-zone kit	BZKA7V3		•	•
	Snowcover	EK016SNCA			•
	U-beams for outdoor	EKFT008CA		•	
	UK tank kit	EKVSU260A			•
Sensor	Remote indoor sensor	KRCS01-1B		•	•
	Remote sensor for outdoor	EKRSCA1		•	
	External sensor	EKRTETS		•	•
Others	PC cable	EKPCCAB1		•	•
	Low sound cover for ERLQ-CV3	EKLN-A		•	



R-410A



Daikin Altherma low temperature split integrated ECH_2O

The Daikin Altherma low temperature split integrated ECH_2O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling

Intelligent storage management

› The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
› Continuous heating during defrost mode and use of stored heat for space heating (500l tank only)
› Electronic management of both heat pump and ECH_2O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
› Achieves the highest standards for water sanitation
› Uses more renewable energy with solar connection

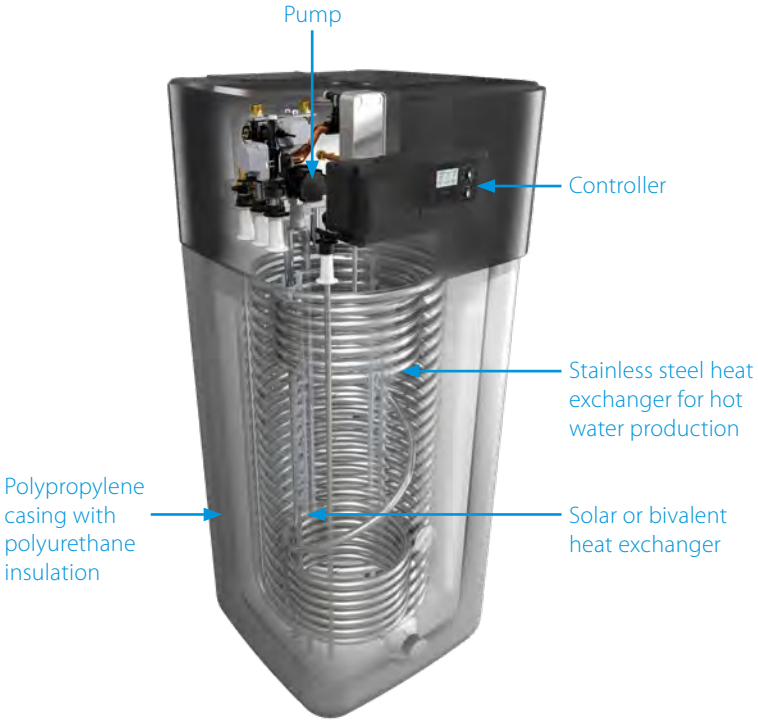
Innovative and high-quality tank

› Lightweight plastic tank
› No corrosion, anode, scale or lime deposits
› Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

Combinable with other heat sources

› The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption

ECH_2O







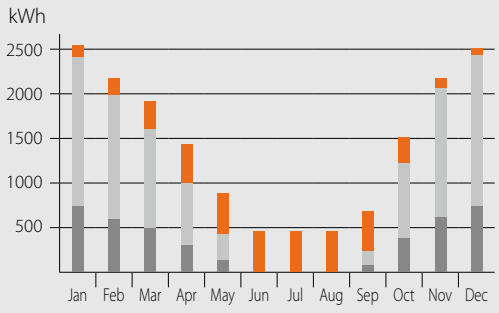
ECH$_2$O thermal store range: additional hot water comfort

Combine your indoor unit with a thermal store to achieve the ultimate comfort at home.
› Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
› Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
› Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
› Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Pressureless (drain-back) solar system (EHSH-B, EHSX-B)
› The solar collectors are only filled with water when sufficient heating is provided by the sun
› The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
› After filling, water circulation is maintained by the remaining pump

Pressurised solar system (EHSHB-B, EHSXB-B)
› System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
› System is pressurised and sealed

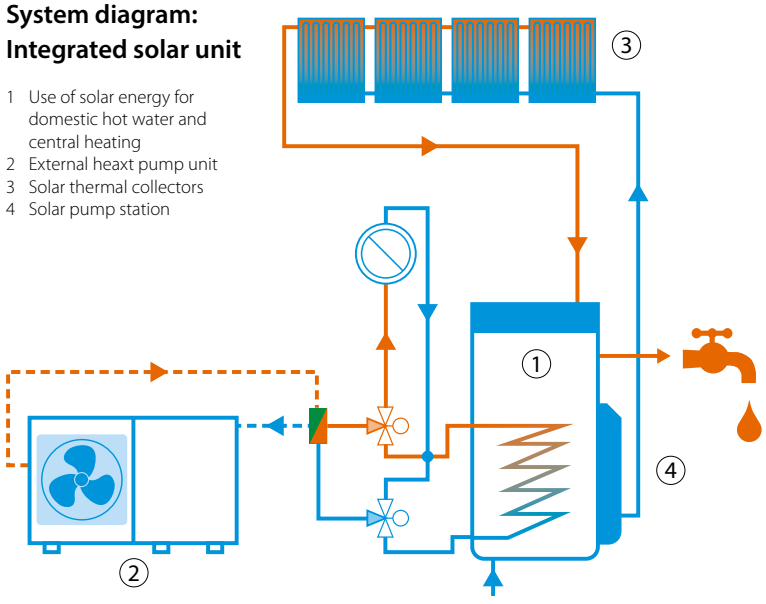
Monthly energy consumption of an average detached house



Utilisation of solar energy for domestic hot water and central heating
Heat pump (environmental heat)
Auxiliary energy (electricity)

System diagram: Integrated solar unit

1 Use of solar energy for domestic hot water and central heating
2 External heaxt pump unit
3 Solar thermal collectors
4 Solar pump station



Daikin Altherma low temperature split integrated ECH$_2$O

Floor standing air to water heat pump for heating and hot water with thermal solar support

- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Intelligent Heat Store management: continuous heating during defrost mode, and use of stored heat for space heating
- Heat loss is reduced to a minimum thanks to the high quality insulation
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump



EHSH-B

ERLQ004-008CV3

ERLQ011-016CW1

011-1W0087 → 95

A++ A 55°C R-410A

Efficiency data				EHSH + ERLQ-C	04P30B + 004CV3	08P30B + 006CV3	08P50B + 006CV3	08P30B + 008CV3	08P50B + 008CV3	16P50B + 011CV3	16P50B + 014CV3	16P50B + 016CV3	16P50B + 011CW1	16P50B + 014CW1	16P50B + 016CW1
Heating capacity	Nom.			kW	4.26(1) / 3.47(2) / 4.53(3) / 3.98(4)	5.14(1) / 4.60(2) / 6.06(3) / 5.78(4)		5.53(1) / 5.51(2) / 7.78(3) / 7.27(4)		5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	8.28(1) / 9.57(2) / 14.81(3) / 13.73(4)	15.34(1) / 14.86(2) / 8.04(3) / 10.05(4)	5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	8.28(1) / 9.57(2) / 14.81(3) / 13.73(4)	8.04(1) / 10.05(2) / 15.34(3) / 14.86(4)
Power input	Heating	Nom.		kW	0.87(1) / 1.04(2) / 1.49(3) / 0.85(4)	1.30(1) / 1.58(2) / 1.88(3) / 1.26(4)		1.69(1) / 2.04(2) / 1.98(3) / 1.56(4)		2.57(1) / 3.13(2) / 2.43(3) / 2.35(4)	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)		2.57(1) / 3.13(2) / 2.43(3) / 2.35(4)	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)	
COP					5.23(1) / 3.84(2) / 2.85(3) / 4.07(4)	4.65(1) / 3.66(2) / 2.73(3) / 3.64(4)		4.60(1) / 3.57(2) / 2.78(3) / 3.54(4)		4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10(1) / 3.22(2) / 2.44(3) / 3.15(4)	4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10(1) / 3.22(2) / 2.44(3) / 3.15(4)
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	130	125		127		125	126	125		126	125
			Seasonal space heating eff. class		A++										
Domestic hot water heating	General	Declared load profile			L		XL	L	XL						
	Average climate	ηwh (water heating efficiency)		%	103	98	102	90	96	83					
		Water heating energy efficiency class			A										

Indoor Unit				EHSH	04P30B	08P30B	08P50B	08P30B	08P50B	16P50B
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,945 / 1,890x615x595		1,945 / 1,890x790 x790	1,945 / 1,890x615 x595	1,945 / 1,890x790x790	
Weight	Unit			kg	84		111	84	111	113
Tank	Water volume			l	294		477	294	477	
	Maximum water temperature			°C	85					
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25					-25~35
		Water side	Min.~Max.	°C	15 ~55					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Sound power level	Nom.			dBA	40					
Sound pressure level	Nom.			dBA	28					

Outdoor Unit				ERLQ-C	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	735x832x307			1,345x900x320					
Weight	Unit			kg	54	56		113			114		
Compressor	Quantity				1								
	Type				Hermetically sealed swing compressor			Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.		°CDB	10.0~43.0			10.0~46.0					
	Domestic hot water	Min.~Max.		°CDB	-25 ~35			-20 ~35					
Refrigerant	Type				R-410A								
	GWP				2,087.5								
	Charge			kg	1.5	1.6		3.4					
	Charge			TCO2Eq	3.1	3.3		7.1					
	Control				Expansion valve (electronic type)								
Sound power level	Heating	Nom.		dBA	61		62	64		66	64		66
	Cooling	Nom.		dBA	63			64	66	69	64	66	69
Sound pressure level	Heating	Nom.		dBA	48		49	51		52	51		52
	Cooling	Nom.		dBA	48	49	50		52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230						W1/3N~/50/400		
Current	Recommended fuses			A	16		20	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) EW 30°C; LW 35°C; ambient conditions: -7°CDB/-8°CWB (4) EW 30°C; LW 35°C; ambient conditions: 2°CDB/1°CWB (5) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split integrated ECH$_2$O

Floor standing air to water heat pump for bivalent heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Intelligent Heat Store management: continuous heating during defrost mode, and use of stored heat for space heating
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation



011-1W0068 → 78

A++ A 55°C R-410A

Efficiency data				EHSHB + ERLQ-C	04P30B + 004CV3	08P30B + 006CV3	08P50B + 006CV3	08P30B + 008CV3	08P50B + 008CV3	16P50B + 011CV3	16P50B + 014CV3	16P50B + 016CV3	16P50B + 011CW1	16P50B + 014CW1	16P50B + 016CW1
Heating capacity	Nom.			kW	4.26(1) / 3.47(2) / 4.53(3) / 3.98(4)	5.14(1) / 4.60(2) / 6.06(3) / 5.78(4)		5.53(1) / 5.51(2) / 7.78(3) / 7.27(4)		5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	14.81(1) / 13.73(2) / 8.28(3) / 9.57(4)	15.34(1) / 14.86(2) / 8.04(3) / 10.05(4)	5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	8.28(1) / 9.57(2) / 14.81(3) / 13.73(4)	8.04 / 10.05 / 15.34 / 14.86
Power input	Heating	Nom.		kW	0.87(1) / 1.04(2) / 1.49(3) / 0.85(4)	1.30(1) / 1.58(2) / 1.88(3) / 1.26(4)		1.69(1) / 2.04(2) / 1.98(3) / 1.56(4)		2.57(1) / 3.13(2) / 2.43(3) / 2.35(4)	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)		2.57(1) / 3.13(2) / 2.43(3) / 2.35(4)	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)	3.42 / 4.07 / 3.17 / 2.93
COP					5.23(1) / 3.84(2) / 2.85(3) / 4.07(4)	4.65(1) / 3.66(2) / 2.73(3) / 3.64(4)		4.60(1) / 3.57(2) / 2.78(3) / 3.54(4)		4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10(1) / 3.22(2) / 2.44(3) / 3.15(4)	4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10 / 3.22 / 2.44 / 3.15
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	130	125		127		125	126	125		126	125
			Seasonal space heating eff. class		A++										
Domestic hot water heating	General	Declared load profile			L		XL	L	XL						
	Average climate	ηwh (water heating efficiency)		%	103	98	108	90	99	84					
		Water heating energy efficiency class			A										

Indoor Unit				EHSHB	04P30B	08P30B	08P50B	08P30B	08P50B	16P50B	16P50B	16P50B	16P50B	16P50B
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)									
	Material				Impact resistant polypropylene									
Dimensions	Unit	HeightxWidthxDepth		mm	1,890x615x595		1,890x790x790	1,890x615x595	1,890x790x790					
Weight	Unit			kg	89		116	89	116	118				
Tank	Water volume			l	294		477	294	477					
	Maximum water temperature			°C	85									
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25					-25~35				
		Water side	Min.~Max.	°C	15 ~55									
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35									
		Water side	Min.~Max.	°C	25~55									
Sound power level	Nom.			dBA	40									
Sound pressure level	Nom.			dBA	28									

Outdoor Unit				ERLQ-C	004CV3	006CV3	006CV3	008CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	735x832x307					1,345x900x320					
Weight	Unit			kg	54	56				113			114		
Compressor	Quantity				1										
	Type				Hermetically sealed swing compressor					Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0					10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-25 ~35					-20 ~35					
Refrigerant	Type				R-410A										
	GWP				2,087.5										
	Charge			kg	1.5	1.6				3.4					
	Charge			TCO2Eq	3.1	3.3				7.1					
	Control				Expansion valve (electronic type)										
Sound power level	Heating		Nom.	dBA	61		62			64		66	64		66
	Cooling		Nom.	dBA	63					64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	48		49			51		52	51		52
	Cooling		Nom.	dBA	48	49	50			52		54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230								W1/3N~/50/400		
Current	Recommended fuses			A	16		20			40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) EW 30°C; LW 35°C; ambient conditions: -7°CDB/-8°CWB (4) EW 30°C; LW 35°C; ambient conditions: 2°CDB/1°CWB (5) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split integrated ECH$_2$O

Floor standing air to water heat pump for heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Intelligent Heat Store management: continuous heating during defrost mode, and use of stored heat for space heating
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump



011-1W0096 → 104



Efficiency data				EHSX + ERLQ-C	04P30B + 004CV3	08P50B + 006CV3	08P30B + 006CV3	08P30B + 008CV3	08P50B + 008CV3	16P50B + 011CV3	16P50B + 014CV3	16P50B + 016CV3	16P50B + 011CW1	16P50B + 014CW1	16P50B + 016CW1
Heating capacity	Nom.			kW	4.26(1) / 3.47(2) / 4.53(3) / 3.98(4)	5.14(1) / 4.60(2) / 6.06(3) / 5.78(4)		5.53(1) / 5.51(2) / 7.78(3) / 7.27(4)		5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	14.81(1) / 13.73(2) / 8.28(3) / 9.57(4)	15.34(1) / 14.86(2) / 8.04(3) / 10.05(4)	5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	8.28(1) / 9.57(2) / 14.81(3) / 13.73(4)	8.04 / 10.05 / 15.34 / 14.86
Cooling capacity	Nom.			kW	4.4(1) / 4.0(2)	5.2(1) / 4.6(2)				15.1(1) / 11.7(2)	16.1(1) / 12.6(2)	16.8(1) / 13.1(2)	15.1(1) / 11.7(2)	16.1(1) / 12.6(2)	16.8 / 13.1
Power input	Heating	Nom.		kW	0.87(1) / 1.04(2) / 1.49(3) / 0.85(4)	1.30(1) / 1.58(2) / 1.88(3) / 1.26(4)		1.69(1) / 2.04(2) / 1.98(3) / 1.56(4)		2.57(1) / 3.13(2) / 2.43(3) / 2.35(4)	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)		2.57(1) / 3.13(2) / 2.43(3) / 2.35(4)	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)	3.42 / 4.07 / 3.17 / 2.93
	Cooling	Nom.		kW	1.05(1) / 1.41(2)	1.43(1) / 1.85(2)				4.55(1) / 4.30(2)	5.44(1) / 5.10(2)	6.18(1) / 5.72(2)	4.55(1) / 4.30(2)	5.44(1) / 5.10(2)	6.18 / 5.72
COP					5.23(1) / 3.84(2) / 2.85(3) / 4.07(4)	4.65(1) / 3.66(2) / 2.73(3) / 3.64(4)		4.60(1) / 3.57(2) / 2.78(3) / 3.54(4)		4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10(1) / 3.22(2) / 2.44(3) / 3.15(4)	4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10 / 3.22 / 2.44 / 3.15
EER					4.21(1) / 2.85(2)	3.65(1) / 2.51(2)				3.32(1) / 2.72(2)	2.96(1) / 2.47(2)	2.72(1) / 2.29(2)	3.32(1) / 2.72(2)	2.96(1) / 2.47(2)	2.72 / 2.29
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	132	126		128			130	127	128	130	127
			Seasonal space heating eff. class		A++										
Domestic hot water heating	General	Declared load profile			L	XL	L		XL						
	Average climate	ηwh (water heating efficiency)		%	103	102	98	90	96	83					
		Water heating energy efficiency class			A										

Indoor Unit				EHSX	04P30B	08P50B	08P30B	08P50B	08P50B	16P50B	16P50B	16P50B	16P50B	16P50B	16P50B
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)										
	Material				Impact resistant polypropylene										
Dimensions	Unit	HeightxWidthxDepth		mm	1,890x615x595	1,890x790x790	1,890x615x595		1,890x790x790			1,945 / 1,890x790x790	1,890x790x790		1,945 / 1,890x790x790
Weight	Unit			kg	84	111	84		111	116		113	116		113
Tank	Water volume			l	294	477	294		477						
	Maximum water temperature			°C	85										
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25					-25~35					
		Water side	Min.~Max.	°C	15 ~55										
	Cooling	Ambient	Min.~Max.	°CDB	10~43							-~-	10~43		-~-
		Water side	Min.~Max.	°C	5~22					-~-					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35										
		Water side	Min.~Max.	°C	25~55										
Sound power level	Nom.			dBA	40										
Sound pressure level	Nom.			dBA	28										

Outdoor Unit				ERLQ-C	004CV3	006CV3	006CV3	008CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	735x832x307					1,345x900x320					
Weight	Unit			kg	54	56				113			114		
Compressor	Quantity				1										
	Type				Hermetically sealed swing compressor					Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0					10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-25 ~35					-20 ~35					
Refrigerant	Type				R-410A										
	GWP				2,087.5										
	Charge			kg	1.5	1.6				3.4					
	Charge			TCO2Eq	3.1	3.3				7.1					
	Control				Expansion valve (electronic type)										
Sound power level	Heating		Nom.	dBA	61		62			64		66	64		66
	Cooling		Nom.	dBA	63					64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	48		49			51		52	51		52
	Cooling		Nom.	dBA	48	49	50			52		54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230								W1/3N~/50/400		
Current	Recommended fuses			A	16		20			40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) EW 30°C; LW 35°C; ambient conditions: -7°CDB/-8°CWB (4) EW 30°C; LW 35°C; ambient conditions: 2°CDB/1°CWB (5) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split integrated ECH$_2$O

Floor standing air to water heat pump for bivalent heating, cooling and hot water with thermal solar support

› Bivalent system: combinable with a secondary heat source

011-1W0096 → 104



A++ A 55°C R-410A

Options

	Type	Material name
Controls	Room thermostat RoCon U1	EHS157034
	Gateway RoCon G1 for apps	EHS157056
	Connection kit for MK1	VMK1
Back-up heater	Back-up heater 1kW	EKBU1C
	Back-up heater 3kW	EKBU3C
	Back-up heater 9kW	EKBU9C
Installation	Heat insulation for hydraulic separator (HWC)	WHWC
	Separator for dirt	SAS1
	Separator - hydraulic	HWC
Sensor	External sensor	EKRTETS
	Outdoor sensor for Rocon Controller	RoCon OT1
Others	Mixer module RoCon M1	EHS157068
	Low sound cover for ERLQ-CV3	EKLN-A

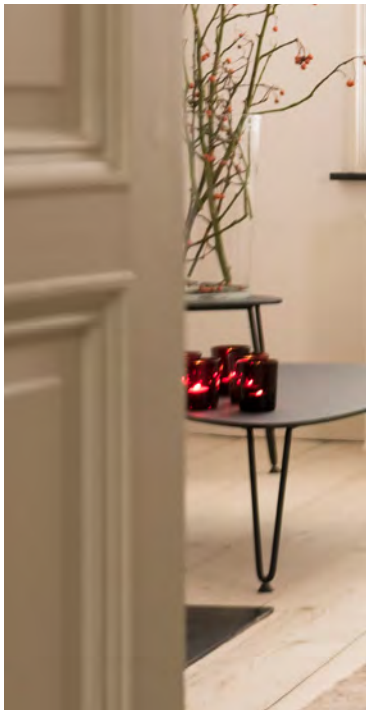
Efficiency data				EHSXB + ERLQ-C	04P30B + 004CV3	08P30B + 006CV3	08P50B + 006CV3	08P30B + 008CV3	08P50B + 008CV3	16P50B + 011CV3	16P50B + 014CV3	16P50B + 016CV3	16P50B + 011CW1	16P50B + 014CW1	16P50B + 016CW1
Heating capacity	Nom.			kW	4.26(1) / 3.47(2) / 4.53(3) / 3.98(4)	5.14(1) / 4.60(2) / 6.06(3) / 5.78(4)		5.53(1) / 5.51(2) / 7.78(3) / 7.27(4)		5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	14.81(1) / 13.73(2) / 8.28(3) / 9.57(4)	15.34(1) / 14.86(2) / 8.04(3) / 10.05(4)	5.95(1) / 7.74(2) / 11.80(3) / 10.40(4)	8.28(1) / 9.57(2) / 14.81(3) / 13.73(4)	8.04 / 10.05 / 15.34 / 14.86
Cooling capacity	Nom.			kW	4.4(1) / 4.0(2)	5.2(1) / 4.6(2)				15.1(1) / 11.7(2)	16.1(1) / 12.6(2)	16.8(1) / 13.1(2)	15.1(1) / 11.7(2)	16.1(1) / 12.6(2)	16.8 / 13.1
Power input	Heating	Nom.		kW	0.87(1) / 1.04(2) / 1.49(3) / 0.85(4)	1.30(1) / 1.58(2) / 1.88(3) / 1.26(4)		1.69(1) / 2.04(2) / 1.98(3) / 1.56(4)		2.57 / 3.13 / 2.43 / 2.35	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)		2.57(1) / 3.13(2) / 2.43(3) / 2.35(4)	3.42(1) / 4.07(2) / 3.17(3) / 2.93(4)	3.42 / 4.07 / 3.17 / 2.93
	Cooling	Nom.		kW	1.05(1) / 1.41(2)	1.43(1) / 1.85(2)				4.55(1) / 4.30(2)	5.44(1) / 5.10(2)	6.18(1) / 5.72(2)	4.55(1) / 4.30(2)	5.44(1) / 5.10(2)	6.18 / 5.72
COP					5.23(1) / 3.84(2) / 2.85(3) / 4.07(4)	4.65(1) / 3.66(2) / 2.73(3) / 3.64(4)		4.60(1) / 3.57(2) / 2.78(3) / 3.54(4)		4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10(1) / 3.22(2) / 2.44(3) / 3.15(4)	4.38(1) / 3.32(2) / 2.45(3) / 3.29(4)	4.27(1) / 3.34(2) / 2.58(3) / 3.22(4)	4.10 / 3.22 / 2.44 / 3.15
EER					4.21(1) / 2.85(2)	3.65(1) / 2.51(2)				3.32(1) / 2.72(2)	2.96(1) / 2.47(2)	2.72(1) / 2.29(2)	3.32(1) / 2.72(2)	2.96(1) / 2.47(2)	2.72 / 2.29
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	132	126		128			130	127	128	130	127
			Seasonal space heating eff. class		A++										
Domestic hot water heating	General	Declared load profile			L	XL		L	XL						
	Average climate	ηwh (water heating efficiency)		%	103	98	108	90	99	84					
		Water heating energy efficiency class			A										

Indoor Unit				EHSXB	04P30B	08P30B	08P50B	08P30B	08P50B	16P50B	16P50B	16P50B	16P50B	16P50B	16P50B
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)										
	Material				Impact resistant polypropylene										
Dimensions	Unit	HeightxWidthxDepth		mm	1,890x615x595		1,890x790x790	1,890x615x595		1,890x790x790					
Weight	Unit			kg	89		116	89	116	118					
Tank	Water volume			l	294		477	294		477					
	Maximum water temperature			°C	85										
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25					-25~35					
		Water side	Min.~Max.	°C	15 ~55										
	Cooling	Ambient	Min.~Max.	°CDB	10~43										
		Water side	Min.~Max.	°C	5~22					-~-					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35										
		Water side	Min.~Max.	°C	25~55										
Sound power level	Nom.			dBA	40										
Sound pressure level	Nom.			dBA	28										

Outdoor Unit				ERLQ-C	004CV3	006CV3	006CV3	008CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	735x832x307					1,345x900x320					
Weight	Unit			kg	54	56				113			114		
Compressor	Quantity				1										
	Type				Hermetically sealed swing compressor					Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0					10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-25 ~35					-20 ~35					
Refrigerant	Type				R-410A										
	GWP				2,087.5										
	Charge			kg	1.5	1.6				3.4					
	Charge			TCO2Eq	3.1	3.3				7.1					
	Control				Expansion valve (electronic type)										
Sound power level	Heating		Nom.	dBA	61		62		64		66	64		66	
	Cooling		Nom.	dBA	63				64	66	69	64	66	69	
Sound pressure level	Heating		Nom.	dBA	48		49		51		52	51		52	
	Cooling		Nom.	dBA	48	49	50		52	54	50	52	54		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230								W1/3N~/50/400		
Current	Recommended fuses			A	16		20		40				20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) EW 30°C; LW 35°C; ambient conditions: -7°CDB/-8°CWB (4) EW 30°C; LW 35°C; ambient conditions: 2°CDB/1°CWB (5) Contains fluorinated greenhouse gases

R-410A



Daikin Altherma low temperature split wall mounted unit

The Daikin Altherma low temperature split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water

High flexibility for installation and domestic hot water connection

- Inclusion of all hydraulic components means no third-party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- Combine with a stainless steel, enameled or **ECH$_2$O** thermal store



All hydraulic parts included in the compact wall mounted unit



Stainless steel and enameled tanks

If the end user only requires hot water and installation height is limited, a separate tank can be connected (either stainless steel or enameled).

ECH_2O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Built for small and large homes, customers can choose between a pressureless and pressurised hot water system.



Stainless steel tank



Wall mounted unit combined with ECH_2O thermal store

Daikin Altherma low temperature split wall mounted unit

Wall mounted **heating only** air to water heat pump ideal for low energy houses

- Wall mounted indoor unit
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Possible to combine with domestic hot water
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



EHBH-CB



ERLQ004-008CV3



ERLQ011-016CV3

up to A++ 55°C R-410A

011-1W0068 → 78

Efficiency data				EHBH + ERLQ-C	04CB3V + 004CV3	08CB3V/9W + 006CV3	08CB9W/3V + 008CV3	11CB3V/B9W + 011CV3	16CB3V/9W + 014CV3	16CB3V/9W + 016CV3	11CB3V/9W + 011CW1	16CB3V/9W + 014CW1	16CB3V/9W + 016CW1
Heating capacity	Nom.			kW	4.40 (1) / 4.03(2)	6.00 (1) / 5.67(2)	7.40 (1) / 6.89(2)	11.2 (1) / 11.0(2)	14.5 (1) / 13.6(2)	16.0 (1) / 15.2(2)	11.2 (1) / 11.0(2)	14.5 (1) / 13.6(2)	16.0 (1) / 15.2(2)
Power input	Heating	Nom.		kW	0.870 (1) / 1.13(2)	1.27 (1) / 1.59(2)	1.66 (1) / 2.01(2)	2.43 (1) / 3.10(2)	3.37 (1) / 4.10(2)	3.76 (1) / 4.66(2)	3.42 (1) / 4.21(2)	3.37 (1) / 4.10(2)	3.76 (1) / 4.66(2)
COP					5.04 (1) / 3.58(2)	4.74 (1) / 3.56(2)	4.45 (1) / 3.42(2)	4.60 (1) / 2.75(2) / 3.55 (3) / 2.10(4)	4.30 (1) / 2.65(2) / 3.32 (3) / 2.08(4)	4.25 (1) / 2.64(2) / 3.26 (3) / 2.09(4)	4.60 (1) / 2.75(2) / 3.55 (3) / 2.10(4)	4.30 (1) / 2.65(2) / 3.32 (3) / 2.08(4)	4.25 (1) / 2.64(2) / 3.26 (3) / 2.09(4)
Space heating	Average climate water outlet 55°C	General	SCOP		3.20	3.22	3.20	3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	125	126	125	120	123	119	120	123	119
			Seasonal space heating eff. class		A++			A+					
	Average climate water outlet 35°C	General	SCOP		4.52	4.29	4.34	3.98	3.90	3.80	3.98	3.90	3.80
			ηs (Seasonal space heating efficiency)	%	178	169	171	156	153	149	156	153	149
			Seasonal space heating eff. class		A++					A+	A++		A+

Indoor Unit				EHBH	04CB3V	08CB3V/9W	08CB9W/3V	11CB3V/9W	16CB3V/9W	16CB3V/9W	11CB3V/9W	16CB3V/9W	16CB3V/9W
Casing	Colour				White								
	Material				Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344								
Weight	Unit			kg	41.0	43.0	45.0	43.0	44.0	45.0	44.0	45.0	43.0	44.0	45.0	44.0	45.0
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0								
	Domestic hot water	Water side	Min.~Max.	°C	25~80								
Sound power level	Nom.			dBA	40.0			41.0	44.0		41.0	44.0	
Sound pressure level	Nom.			dBA	26.0			27.0	30.0		27.0	30.0	

Outdoor Unit				ERLQ-C	004CV3	006CV3	006CV3	008CV3	008CV3	011CV3	011CV3	014CV3	014CV3	016CV3	016CV3	011CW1	011CW1	014CW1	014CW1	016CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	735x832x307					1,345x900x320											
Weight	Unit			kg	54	56				113						114					
Compressor	Quantity				1																
	Type				Hermetically sealed swing compressor					Hermetically sealed scroll compressor											
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0					10.0~46.0											
	Domestic hot water		Min.~Max.	°CDB	-25 ~35					-20 ~35											
Refrigerant	Type				R-410A																
	GWP				2,087.5																
	Charge			kg	1.5	1.6				3.4											
	Charge			TCO2Eq	3.1	3.3				7.1											
	GWP				2,087.5																
Sound power level	Heating		Nom.	dBA	61		62			64				66		64				66	
	Cooling		Nom.	dBA	63					64		66		69		64		66		69	
Sound pressure level	Heating		Nom.	dBA	48		49			51				52		51				52	
	Cooling		Nom.	dBA	48	49		50				52		54		50		52		54	
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230											W1/3N~/50/400					
Current	Recommended fuses			A	16		20			40						20					

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split wall mounted unit

Wall mounted **heating only** air to water heat pump ideal for low energy houses

- Wall mounted indoor unit
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Possible to combine with domestic hot water
- Outdoor unit extracts heat from the outdoor air, even at -20°C
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



EHBH-CB



ERHQ011-016BW1



Efficiency data				EHBH + ERHQ-B	11CB3V + 011BV3	11CB9W + 011BV3	16CB3V + 014BV3	16CB9W + 014BV3	16CB3V + 016BV3	16CB9W + 016BV3	11CB3V + 011BW1	11CB9W + 011BW1	16CB3V + 014BW17	16CB9W + 014BW17	16CB3V + 016BW1	16CB9W + 016BW1
Heating capacity	Nom.			kW	11.2 (1) / 10.3(2)		14.0 (1) / 13.1(2)		16.0 (1) / 15.2(2)		11.3 (1) / 11.0(2)		14.5 (1) / 13.6(2)		16.1 (1) / 15.1(2)	
Power input	Heating	Nom.		kW	2.55 (1) / 3.17(2)		3.26 (1) / 4.04(2)		3.92 (1) / 4.75(2)		2.63 (1) / 3.24(2)		3.42 (1) / 4.21(2)		3.82 (1) / 4.69(2)	
COP					4.39 (1) / 3.25(2)		4.29 (1) / 3.24(2)		4.08 (1) / 3.20(2)		4.30 (1) / 3.39(2)		4.24 (1) / 3.22(2)		4.20 (1) / 3.22(2)	
Space heating	Average climate water outlet 55°C	General	SCOP		2.86		2.82		2.92		2.90		2.86		2.96	
			ηs (Seasonal space heating efficiency)	%	112		110		114		113		111		115	
			Seasonal space heating eff. class		A+											
	Average climate water outlet 35°C	General	SCOP		2.99		3.23		3.29		3.08		3.34		3.33	
			ηs (Seasonal space heating efficiency)	%	117		126		129		120		131		130	
			Seasonal space heating eff. class		A		A+				A		A+			

Indoor Unit				EHBH	11CB3V	11CB9W	16CB3V	16CB9W	16CB3V	16CB9W	11CB3V	11CB9W	16CB3V	16CB9W	16CB3V	16CB9W
Casing	Colour				White											
	Material				Precoated sheet metal											
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344											
Weight	Unit			kg	43.0	44.0		45.0	44.0	45.0	43.0	44.0		45.0	44.0	45.0
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0											
	Domestic hot water	Water side	Min.~Max.	°C	25~80											
Sound power level	Nom.			dBA	41.0		44.0				41.0		44.0			
Sound pressure level	Nom.			dBA	27.0		30.0				27.0		30.0			

Outdoor Unit				ERHQ-B	011BV3	014BV3	016BV3	011BW1	014BW17	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320			1,345x900x320		
Weight	Unit			kg	102			108		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	2.7			3.0		
	Charge			TCO2Eq	5.6			6.3		
	GWP				2,087.5					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	49	51	53	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	32			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split wall mounted unit

Wall mounted **reversible** air to water heat pump ideal for low energy houses

- Wall mounted indoor unit
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Possible to combine with domestic hot water
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



EHBH-CB



ERHQ011-016BW1

011-1W0068 → 78

up to A++

55°C

R-410A

Efficiency data				EHBX + ERLQ-C	04CB3V + 004CV3	08CB3V / 08CB9W + 006CV3	08CB3V / 08CB9W + 008CV3	11CB3V / 11CB9W + 011CV3	16CB3V / 16CB9W + 014CV3	16CB3V / 16CB9W + 016CV3	11CB3V / 11CB9W + 011CW1	16CB3V / 16CB9W + 014CW1	16CB3V / 16CB9W + 016CW1
Heating capacity	Nom.			kW	4.40(1) / 4.03(2)	6.00(1) / 5.67(2)	7.40(1) / 6.89(2)	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)
Cooling capacity	Nom.			kW	4.08(1) / 4.17(2)	5.88(1) / 4.84(2)	6.20(1) / 5.36(2)	12.1(1) / 11.7(2)	12.7(1) / 12.6(2)	13.8(1) / 13.1(2)	12.1(1) / 11.7(2)	12.7(1) / 12.6(2)	13.8(1) / 13.1(2)
Power input	Heating	Nom.		kW	0.870(1) / 1.13(2)	1.27(1) / 1.59(2)	1.66(1) / 2.01(2)	2.43(1) / 3.10(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)	2.43(1) / 3.10(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)
	Cooling	Nom.		kW	0.900(1) / 1.80(2)	1.51(1) / 2.07(2)	1.64(1) / 2.34(2)	3.05(1) / 4.31(2)	3.21(1) / 5.08(2)	3.74(1) / 5.73(2)	3.05(1) / 4.31(2)	3.21(1) / 5.08(2)	3.74(1) / 5.73(2)
COP					5.04(1) / 3.58(2)	4.74(1) / 3.56(2)	4.45(1) / 3.42(2)	4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.30(1) / 2.65(2) / 3.32(3) / 2.08(4)	4.25(1) / 2.64(2) / 3.26(3) / 2.09(4)	4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.30(1) / 2.65(2) / 3.32(3) / 2.08(4)	4.25(1) / 2.64(2) / 3.26(3) / 2.09(4)
EER					4.55(1) / 2.32(2)	3.89(1) / 2.34(2)	3.79(1) / 2.29(2)	3.98(1) / 2.72(2)	3.96(1) / 2.47(2)	3.69(1) / 2.29(2)	3.98(1) / 2.72(2)	3.96(1) / 2.47(2)	3.69(1) / 2.29(2)
Space heating	Average climate water outlet 55°C	General	SCOP		3.20	3.22	3.20	3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	125	126	125	120	123	119	120	123	119
			Seasonal space heating eff. class		A++			A+					
	Average climate water outlet 35°C	General	SCOP		4.52	4.29	4.34	3.98	3.90	3.80	3.98	3.90	3.80
			ηs (Seasonal space heating efficiency)	%	178	169	171	156	153	149	156	153	149
			Seasonal space heating eff. class		A++					A+	A++		A+

Indoor Unit				EHBX	04CB3V	08CB3V/9W	08CB3V/9W	11CB3V/9W	16CB3V/9W	16CB3V/9W	11CB3V/9W	16CB3V/9W	16CB3V/9W
Casing	Colour				White								
	Material				Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344								
Weight	Unit			kg	42.0	44.0	45.0	44.0	45.0	43.0	45.0	44.0	46.0	44.0	46.0	43.0	45.0	43.0	45.0	43.0	45.0
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0								
	Cooling	Water side	Min.~Max.	°C	5.00 ~22.0								
	Domestic hot water	Water side	Min.~Max.	°C	25~80								
Sound power level	Nom.			dBA		40.0		41.0	44.0	44.0	41.0	41.0	41.0
Sound pressure level	Nom.			dBA		26.0		27.0	30.0	30.0	27.0	27.0	27.0

Outdoor Unit				ERLQ-C	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth		mm	735x832x307			1,345x900x320					
Weight	Unit			kg	54	56		113			114		
Compressor	Quantity				1								
	Type				Hermetically sealed swing compressor			Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~43.0			10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-25 ~35			-20 ~35					
Refrigerant	Type				R-410A								
	GWP				2,087.5								
	Charge			kg	1.5	1.6		3.4					
	Charge			TCO2Eq	3.1	3.3		7.1					
	GWP				2,087.5								
Sound power level	Heating		Nom.	dBA	61		62	64		66	64		66
	Cooling		Nom.	dBA	63			64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	48		49	51		52	51		52
	Cooling		Nom.	dBA	48	49	50		52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230						W1/3N~/50/400		
Current	Recommended fuses			A	16		20	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma lowtemperature split wall mounted unit

Wall mounted **reversible** air to water heat pump ideal for low energy houses

- Wall mounted indoor unit
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Possible to combine with domestic hot water
- Outdoor unit extracts heat from the outdoor air, even at -20°C
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



EHBH-CB



ERHQ011-016BW1











Efficiency data				EHBX + ERHQ-B	11CB9W + 011BV3	11CB3V + 011BV3	16CB3V + 014BV3	16CB9W + 014BV3	16CB9W + 016BV3	16CB3V + 016BV3	11CB9W + 011BW1	11CB3V + 011BW1	16CB9W + 014BW17	16CB3V + 014BW17	16CB3V + 016BW1	16CB9W + 016BW1
Heating capacity	Nom.			kW	11.2(1) / 10.3(2)		14.0(1) / 13.1(2)		16.0(1) / 15.2(2)		11.3(1) / 11.0(2)		14.5(1) / 13.6(2)		16.1(1) / 15.1(2)	
Cooling capacity	Nom.			kW	13.9(1) / 10.0(2)		17.3(1) / 12.5(2)		17.8(1) / 13.1(2)		15.1(1) / 11.7(2)		16.1(1) / 12.6(2)		16.8(1) / 13.1(2)	
Power input	Heating	Nom.		kW	2.55(1) / 3.17(2)		3.26(1) / 4.04(2)		3.92(1) / 4.75(2)		2.63(1) / 3.24(2)		3.42(1) / 4.21(2)		3.82(1) / 4.69(2)	
	Cooling	Nom.		kW	3.86(1) / 3.69(2)		5.86(1) / 5.69(2)		6.87(1) / 5.95(2)		4.53(1) / 4.31(2)		5.43(1) / 5.08(2)		6.16(1) / 5.73(2)	
COP					4.39(1) / 3.25(2)		4.29(1) / 3.24(2)		4.08(1) / 3.20(2)		4.30(1) / 3.39(2)		4.24(1) / 3.22(2)		4.20(1) / 3.22(2)	
EER					3.60(1) / 2.71(2)		2.95(1) / 2.32(2)		2.59(1) / 2.20(2)		3.32(1) / 2.72(2)		2.96(1) / 2.47(2)		2.72(1) / 2.29(2)	
Space heating	Average climate water outlet 55°C	General	SCOP		2.86		2.82		2.92		2.90		2.86		2.96	
			ηs (Seasonal space heating efficiency)	%	112		110		114		113		111		115	
			Seasonal space heating eff. class		A+											
	Average climate water outlet 35°C	General	SCOP		2.99		3.23		3.29		3.08		3.34		3.33	
			ηs (Seasonal space heating efficiency)	%	117		126		129		120		131		130	
			Seasonal space heating eff. class		A		A+				A		A+			

Indoor Unit				EHBX	11CB9W	11CB3V	16CB3V	16CB9W	16CB3V	11CB9W	11CB3V	16CB9W	16CB3V	16CB9W
Casing	Colour				White									
	Material				Precoated sheet metal									
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344									
Weight	Unit			kg	45.0	43.0	44.0	46.0	44.0	45.0	43.0	46.0	44.0	46.0
Operation range	Heating	Water side	Min.~Max.	°C	15 ~55.0									
	Cooling	Water side	Min.~Max.	°C	5.00 ~22.0									
	Domestic hot water	Water side	Min.~Max.	°C	25~80									
Sound power level	Nom.			dBA	41.0		44.0			41.0		44.0		
Sound pressure level	Nom.			dBA	27.0		30.0			27.0		30.0		

Outdoor Unit				ERHQ-B	011BV3	014BV3	016BV3	011BW1	014BW17	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320			1,345x900x320		
Weight	Unit			kg	102			108		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	2.7			3.0		
	Charge			TCO2Eq	5.6			6.3		
	GWP				2,087.5					
Sound power level	Heating		Nom.	dBA	64		66	64		66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	49	51	53	51		52
	Cooling		Nom.	dBA	50	52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	32			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split wall mounted unit without back-up heater

Wall mounted **heating only** air to water heat pump without back-up heater

- Energy efficient heating only system without back-up heater
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Possible to combine with domestic hot water
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)

011-1W0068 →78



EHBH-CBV



ERLQ004-008CV3



ERHQ011-016CW1

A++ | 55°C | R-410A

Efficiency data				EHBH + ERLQ-C	04CBV + 004CV3	08CBV + 006CV3	08CBV + 008CV3	11CBV + 011CV3	16CBV + 014CV3	16CBV + 016CV3	11CBV + 011CW1	16CBV + 014CW1	16CBV + 016CW1
Heating capacity	Nom.			kW	4.40(1) / 4.03(2)	6.00(1) / 5.67(2)	7.40(1) / 6.89(2)	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)	11.2(1) / 11.0(2)	14.5(1) / 13.6(2)	16.0(1) / 15.2(2)
Power input	Heating	Nom.		kW	0.870(1) / 1.13(2)	1.27(1) / 1.59(2)	1.66(1) / 2.01(2)	2.43(1) / 3.10(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)	3.42(1) / 4.21(2)	3.37(1) / 4.10(2)	3.76(1) / 4.66(2)
COP					5.04(1) / 3.58(2)	4.74(1) / 3.56(2)	4.45(1) / 3.42(2)	4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.30(1) / 2.65(2) / 3.32(3) / 2.08(4)	4.25(1) / 2.64(2) / 3.26(3) / 2.09(4)	4.60(1) / 2.75(2) / 3.55(3) / 2.10(4)	4.30(1) / 2.65(2) / 3.32(3) / 2.08(4)	4.25(1) / 2.64(2) / 3.26(3) / 2.09(4)
Space heating	Average climate water outlet 55°C	General	SCOP		3.20	3.22	3.20	3.09	3.16	3.06	3.09	3.16	3.06
			ηs (Seasonal space heating efficiency)	%	125	126	125	120	123	119	120	123	119
			Seasonal space heating eff. class		A++			A+					
	Average climate water outlet 35°C	General	SCOP		4.52	4.29	4.34	3.98	3.90	3.80	3.98	3.90	3.80
			ηs (Seasonal space heating efficiency)	%	178	169	171	156	153	149	156	153	149
			Seasonal space heating eff. class		A++					A+	A++		A+

Indoor Unit			EHBH	04CBV	08CBV	08CBV	11CBV	16CBV	16CBV	11CBV	16CBV	16CBV
Casing	Colour			White								
	Material			Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth	mm	890x480x344								
Weight	Unit		kg	39.0	41.0			42.0		41.0	42.0	
Operation range	Heating	Water side Min.~Max.	°C	10 ~55.0			10 ~55.0					
	Domestic hot water	Water side Min.~Max.	°C	25~80								
Sound power level	Nom.		dBA	40.0			41.0	44.0		41.0	44.0	
Sound pressure level	Nom.		dBA	26.0			27.0	30.0		27.0	30.0	

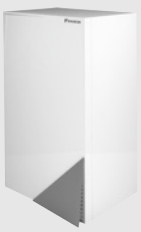
Outdoor Unit			ERLQ-C/ERLQ	004CV3	006CV3	008CV3	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307			1,345x900x320					
Weight	Unit		kg	54	56		113			114		
Compressor	Quantity			1								
	Type			Hermetically sealed swing compressor			Hermetically sealed scroll compressor					
Operation range	Cooling	Min.~Max.	°CDB	10.0~43.0			10.0~46.0					
	Domestic hot water	Min.~Max.	°CDB	-25 ~35			-20 ~35					
Refrigerant	Type			R-410A								
	GWP			2,087.5								
	Charge		kg	1.5	1.6		3.4					
	Charge		TCO2Eq	3.1	3.3		7.1					
	Control			Expansion valve (electronic type)								
Sound power level	Heating	Nom.	dBA	61		62	64		66	64		66
	Cooling	Nom.	dBA	63			64	66	69	64	66	69
Sound pressure level	Heating	Nom.	dBA	48		49	51		52	51		52
	Cooling	Nom.	dBA	48	49	50		52	54	50	52	54
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230						W1/3N~/50/400		
Current	Recommended fuses		A	16		20	40			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Heating Ta DB -7°C (RH85%) - LWC 35°C (4) Heating Ta DB -7°C (RH85%) - LWC 45°C (5) Contains fluorinated greenhouse gases

Daikin Altherma low temperature split without back-up heater

Wall mounted **heating only** air to water heat pump without back-up heater

- Energy efficient heating only system without back-up heater
- Perfect fit for new built as well as for low energy houses
- Best seasonal efficiencies, providing the highest savings on running costs
- Flexible configuration with respect to heat emitters
- Possible to combine with domestic hot water
- Online controller (optional)
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



EHBH-CBV



ERHQ011-016BW1

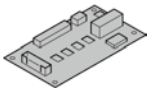
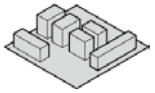
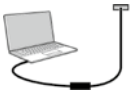
up to A+ | 55°C | R-410A

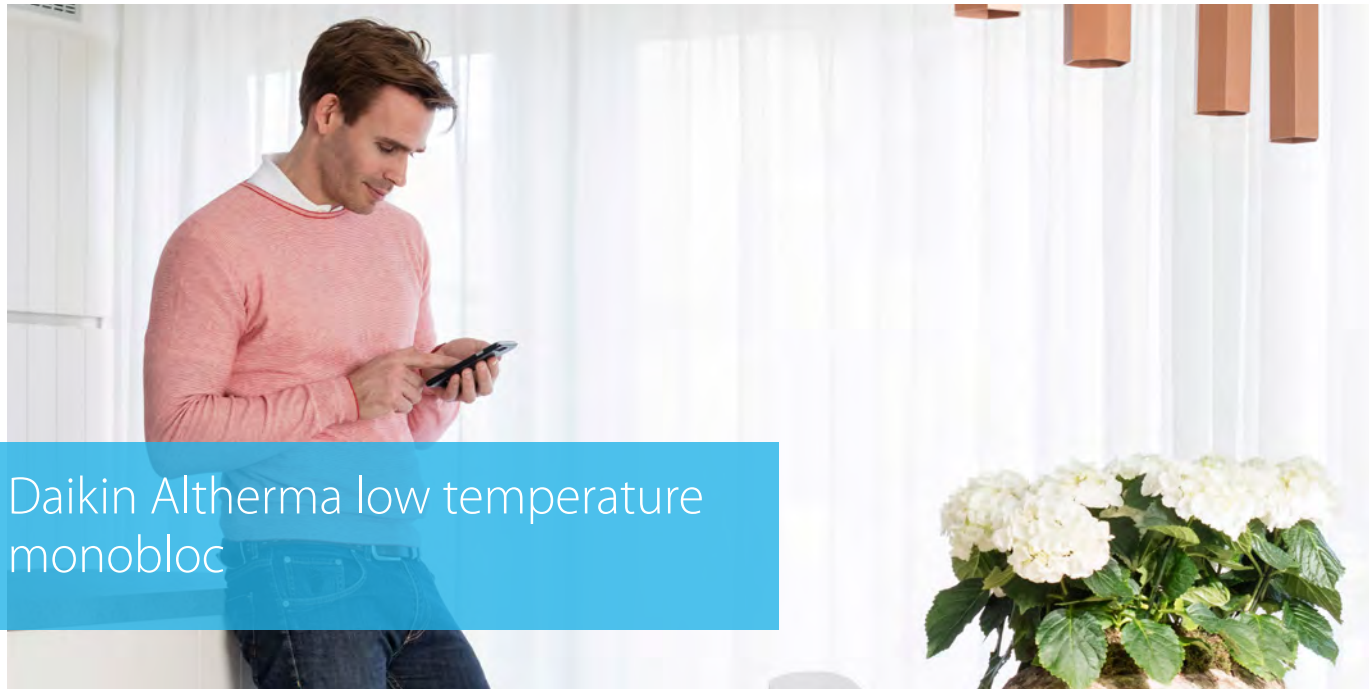
Efficiency data				EHBH + ERHQ-B	11CBV + 011BV3	16CBV + 014BV3	16CBV + 016BV3	11CBV + 011BW1	16CBV + 014BW17	16CBV + 016BW1
Heating capacity	Nom.			kW	11.2(1) / 10.3(2)	14.0(1) / 13.1(2)	16.0(1) / 15.2(2)	11.3(1) / 11.0(2)	14.5(1) / 13.6(2)	16.1(1) / 15.1(2)
Power input	Heating	Nom.		kW	2.55(1) / 3.17(2)	3.26(1) / 4.04(2)	3.92(1) / 4.75(2)	2.63(1) / 3.24(2)	3.42(1) / 4.21(2)	3.82(1) / 4.69(2)
COP					4.39(1) / 3.25(2)	4.29(1) / 3.24(2)	4.08(1) / 3.20(2)	4.30(1) / 3.39(2)	4.24(1) / 3.22(2)	4.20(1) / 3.22(2)
Space heating	Average climate water outlet 55°C	General	SCOP		2.86	2.82	2.92	2.90	2.86	2.96
			ηs (Seasonal space heating efficiency)	%	112	110	114	113	111	115
			Seasonal space heating eff. class		A+					
	Average climate water outlet 35°C	General	SCOP		2.99	3.23	3.29	3.08	3.34	3.33
			ηs (Seasonal space heating efficiency)	%	117	126	129	120	131	130
			Seasonal space heating eff. class		A	A+		A	A+	

Indoor Unit				EHBH	11CBV	16CBV	16CBV	11CBV	16CBV	16CBV
Casing	Colour				White					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344					
Weight	Unit			kg	41.0	42.0		41.0	42.0	
Operation range	Heating	Water side	Min.~Max.	°C	10 ~55.0					
	Domestic hot water	Water side	Min.~Max.	°C	25~80					
Sound power level	Nom.			dBA	41.0	44.0		41.0	44.0	
Sound pressure level	Nom.			dBA	27.0	30.0		27.0	30.0	

Outdoor Unit				ERHQ/ERHQ	011BV3	014BV3	016BV3	011BW1	014BW17	016BW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,170x900x320			1,345x900x320		
Weight	Unit			kg	102			108		
Compressor	Quantity				1					
	Type				Hermetically sealed scroll compressor					
Operation range	Cooling		Min.~Max.	°CDB	10.0~46.0					
	Domestic hot water		Min.~Max.	°CDB	-20 ~35					
Refrigerant	Type				R-410A					
	GWP				2,087.5					
	Charge			kg	2.7			3.0	2.95	3.0
	Charge			TCO2Eq	5.6			6.3		
	Control				Expansion valve (electronic type)					
Sound power level	Heating		Nom.	dBA	64		66	64	60	66
	Cooling		Nom.	dBA	64	66	69	64	66	69
Sound pressure level	Heating		Nom.	dBA	49	51	53	51	50	52
	Cooling		Nom.	dBA	50	52	54	50	50	54
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400		
Current	Recommended fuses			A	32			20		

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

Type		Material name		Daikin Altherma LT split wall mounted /floor standing	
				4-8kW	11-16kW
Controls	LAN adapter	BRP069A62		•	•
	LAN adapter + PV solar connection	BRP069A61		•	•
	Remote user interface (DE, FR, NL, IT)	EKRUCBL1		•	•
	Remote user interface (EN, ES, EL, PT)	EKRUCBL3		•	•
	Remote user interface (EN, SV, NO, FI)	EKRUCBL2		•	•
	Remote user interface (EN, TR, PL, RO)	EKRUCBL4		•	•
	Remote user interface (DE, CS, SL, SK)	EKRUCBL5		•	•
	Remote user interface (EN, HR, HU, BG)	EKRUCBL6		•	•
	Remote user interface (EN, DE, RU, DA)	EKRUCBL7		•	•
	Simplified user interface	EKRUCBSB		•	•
	Room thermostat (wired)	EKRTWA		•	•
	Room thermostat (wireless)	EKRTR1		•	•
	Centralised controller kit	EKCC-W		•	•
Adapter	Demand PCB	EKRP1AHTA		•	•
	Digital I/O PCB	EKRP1HBAA		•	•
Back-up heater	Back-up heater kit	EKLBUHCB6W1			•
	Booster heater for tank integrated design	EKBSHCA3V3			•
	Bottom plate heater	EKBPHTH16A			•
Drain	Drain kit	EKDK04		•	•
	Drain pan for indoor wall munted	EKHBDPCA2		•	•
	Drain pan for outdoor (excl heater)	EKDP008CA		•	
	Drain pan heater	EKDPH008CA		•	
Filter	Magnetic filter without additives	K.FERNOXTF1		•	•
	Magnetic filter with additive (500ml inhibitor fluid F1)	K.FERNOXTF1FL		•	•
Installation	Bi-zone kit	BZKA7V3		•	•
	Snowcover	EK016SNCA			•
	U-beams for outdoor	EKFT008CA		•	
	UK tank kit	EKVSU260A			•
Sensor	Remote indoor sensor	KRCS01-1B		•	•
	Remote sensor for outdoor	EKRSCA1		•	
	External sensor	EKRTETS		•	•
Others	PC cable	EKPCCAB1		•	•
	Low sound cover for ERLQ-CV3	EKLN-A		•	



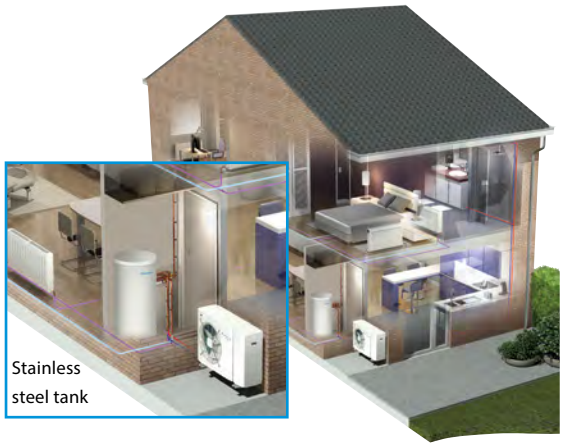
Daikin Altherma low temperature monobloc

The reversible air-to-water heat pump monobloc system is the ideal system for users that have limited installation space inside. Delivering cutting-edge performance within the market's most compact monobloc outdoor unit, Daikin Altherma low temperature monobloc offers heating and cooling, with an optional connection to provide domestic hot water

A simple solution

The monobloc system combines all the features of heating and cooling (with optional domestic hot water) into one unit

- Quiet and space-saving design that's easy to commission and install
- All hydraulic components are combined into one outdoor unit
- Reliable operation is guaranteed, even with outdoor temperatures as low as -25°C
- Combine with an ECH$_2$O thermal store to provide thermal support
- Combine with a stainless steel tank for domestic hot water



High performance

- Improved seasonal efficiency ErP label up to A++
- High capacity at low ambient temperatures
- Connection to new stainless steel DHW tank (EKHWS(U)-D) with improved energy efficiency label B

Easy installation

- Sealed refrigerant means there is no need for refrigerant handling or F-gas qualifications
- Key hydraulic parts reduce the risk of installation errors and need for external parts such as expansion vessel, pump or isolation valves
- Fewer components lower the installation time and help maximise profits on the job

Year-round reliability

- Delivers higher heating capacity at low ambient temperatures
- Flow temperatures up to 55°C, perfect for new build applications using UFH
- Reliable operation is guaranteed, even with outdoor temperatures as low as -25°C
- Equipped with optional backup heater

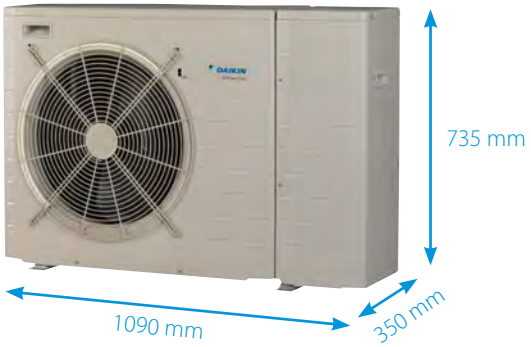
Easy connection

- The LAN adapter allows to control the unit via the heating app

The 5-7 kW range of Daikin Altherma monobloc

A++ 55°C

› Back-up heater less models
› Separate indoor wiring centre (control box)
› Separate back-up heater kit





The 11-16 kW range of Daikin Altherma monobloc

A++ 55°C

› Smaller casing
› Back-up heater less models and models with 3V integrated back-up heater for maximum installation flexibility
› 1 ph and 3 ph models
› Reversible and heating only models
› LAN Adapter connection
› A++ heating energy label (from G to A++)





*-36% compared to current monobloc

Daikin Altherma low temperature monobloc

Reversible air to water monobloc system, ideal when indoor space is limited

› Compact reversible monobloc for space heating & cooling with optional domestic hot water
› Compact heating only monobloc for space heating with optional domestic hot water
› Fuss-free installation : only water connections required
› Reliable operation even when -25°C outside thanks to frost protection features such as free hanging coil
› COP up to 5



E(D/B)LQ-CV3

011-1W0079
011-1W0080

A++ 55°C R-410A

Single Unit					EBLQ/EDLQ	05CV3	07CV3	05CV3	07CV3
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%		125			
			SCOP			3.20	3.22	3.20	3.22
			Seasonal space heating eff. class			A++			
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%		172	163	172	163
			SCOP			4.39	4.14	4.39	4.14
			Seasonal space heating eff. class			A++			
Heating capacity	Nom.				kW	4.40(1) / 4.03(2)	7.00(1) / 6.90(2)	4.40(1) / 4.03(2)	7.00(1) / 6.90(2)
Cooling capacity	Nom.				kW	3.88(1) / 3.99(2)	5.20(1) / 5.15(2)	-	
Power input	Cooling	Nom.			kW	0.950(1) / 1.93(2)	1.37(1) / 2.69(2)	-	
	Heating	Nom.			kW	0.880(1) / 1.13(2)	1.55(1) / 2.45(2)	0.880(1) / 1.13(2)	1.55(1) / 2.02(2)
COP						5.00(1) / 3.58(2)	4.52(1) / 3.42(2)	5.00(1) / 3.58(2)	4.52(1) / 3.42(2)
EER						4.07(1) / 2.07(2)	3.80(1) / 2.10(2)	-	
Dimensions	Unit	HeightxWidthxDepth			mm	735x1,090x350			
Weight	Unit				kg	76.0	80.0	76.0	80.0
Operation range	Heating	Water side	Min.~Max.		°C	15 ~55.0			
	Cooling	Ambient	Min.~Max.		°CDB	10.0~43.0		-~-	
		Water side	Min.~Max.		°C	5.00 ~22.0		-~-	
	Domestic hot water	Ambient	Min.~Max.		°CDB	-25.0 ~35.0			
		Water side	Min.~Max.		°C	25~80		25~80	
Refrigerant	Type					R-410A			
	GWP					2,088			
	Charge				kg	1.30	1.45	1.30	1.45
	Charge				TCO2Eq	2.714	3.027	2.714	3.027
	Control					Expansion valve (electronic type)			
Sound power level	Heating	Nom.			dBA	61	62	61	62
	Cooling	Nom.			dBA	63.0		-	
Sound pressure level	Heating	Nom.			dBA	48	49	48	49
	Cooling	Nom.			dBA	48	50	-	

Wiring centre					EKCB07CV3	EK2CB07CV3
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	360x340x97.0	
Weight	Unit			kg	4.00	

Back-up heater kit					EKMBUHC3V3	EKMBUHC9W1
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	560x250x210	
Weight	Unit			kg	11.0	13.0

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

Daikin Altherma low temperature monobloc without back-up heater

Reversible air to water monobloc system, ideal when indoor space is limited

- Monobloc all-in-one concept including hydraulic parts
- Separate indoor wiring center (control box)
- LAN Adapter connection
- Possible to combine with domestic hot water
- Energy efficient heating only system based on air-to-water heat pump technology
- A++ heating energy label (from G to A++)

011-1W0259 → 261



E(D-B)LQ011-016CV3

A++ | 55°C | R-410A

Single Unit				EBLQ/EDLQ	011CV3	014CV3	016CV3	011CW1	014CW1	016CW1
Space heating	Average climate water outlet 55°C	General		ηs (Seasonal space heating efficiency)	120	123	119	120	123	119
				SCOP	3.09	3.16	3.06	3.09	3.16	3.06
				Seasonal space heating eff. class	A+					
	Average climate water outlet 35°C	General		ηs (Seasonal space heating efficiency)	156	153	149	156	153	149
				SCOP	3.98	3.90	3.80	3.98	3.90	3.80
				Seasonal space heating eff. class	A++		A+	A++		A+
Heating capacity	Nom.			kW	11.2 (1) / 11.0 (2)	14.5 (1) / 13.6 (2)	16.0 (1) / 15.2 (2)	11.2 (1) / 11.0 (2)	14.5 (1) / 13.6 (2)	16.0 (1) / 15.2 (2)
Cooling capacity (only applicable to EBLQ)	Nom.			kW	12.4 (1) / 11.6 (2)	12.8 (1) / 12.6 (2)	13.9 (1) / 13.6 (2)	12.4 (1) / 11.6 (2)	12.8 (1) / 12.6 (2)	13.9 (1) / 13.6 (2)
Power input	Cooling	Nom.		kW	3.18 (1) / 5.09 (2)	3.16 (1) / 5.14 (2)	3.56 (1) / 5.96 (2)	3.18 (1) / 5.09 (2)	3.16 (1) / 5.14 (2)	3.56 (1) / 5.96 (2)
	Heating	Nom.		kW	2.43 (1) / 3.10 (2)	3.37 (1) / 4.10 (2)	3.76 (1) / 4.66 (2)	2.43 (1) / 3.10 (2)	3.37 (1) / 4.10 (2)	3.76 (1) / 4.66 (2)
COP					4.61 (1) / 3.55 (2)	4.30 (1) / 3.32 (2)	4.26 (1) / 3.26 (2)	4.61 (1) / 3.55 (2)	4.30 (1) / 3.32 (2)	4.26 (1) / 3.26 (2)
EER (only applicable to EBLQ)					3.90 (1) / 2.28 (2)	4.05 (1) / 2.45 (2)	3.90 (1) / 2.28 (2)	3.90 (1) / 2.28 (2)	4.05 (1) / 2.45 (2)	3.90 (1) / 2.28 (2)
SEER (only applicable to EBLQ)					3.85	3.89	3.90	3.85	3.89	3.90
Dimensions	Unit	HeightxWidthxDepth		mm	1,348x1,160x380					
Weight	Unit			kg	151			154		
Operation range (3)	Heating	Ambient	Min.~Max.	°CWB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Operation range (3) (only applicable to EBLQ)	Cooling	Ambient	Min.~Max.	°CDB	10~46					
		Water side	Min.~Max.	°C	5~22					
Operation range (3)	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~80					
Refrigerant	Type				R-410A					
	GWP				2087.5					
	Charge			kg	3.40					
	Charge			TCO2Eq	7.10					
	Control				Expansion valve (electronic type)					
Sound power level	Heating	Nom.		dBA	64		66	64		66
	Cooling	Nom.		dBA	64	66	69	64	66	69
Sound pressure level	Heating	Nom.		dBA	51		52	51		52
	Cooling	Nom.		dBA	50	52	54	50	52	54

Wiring centre					EKCB07CV3	EK2CB07CV3
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	360x340x97.0	
Weight	Unit			kg	4.00	

Back-up heater kit					EKMBUHC3V3	EKMBUHC9W1
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	560x250x210	
Weight	Unit			kg	11.0	13.0

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Including back-up heater and/or booster heater, see details in databook.

Daikin Altherma low temperature monobloc with integrated back-up heater

Reversible air to water monobloc system, ideal when indoor space is limited

- Monobloc all-in-one concept including hydraulic parts
- Separate indoor wiring center (control box)
- LAN Adapter connection
- Possible to combine with domestic hot water
- Energy efficient heating only system based on air-to-water heat pump technology
- A++ heating energy label (from G to A++)



E(D-B)LQ011-016C3V3

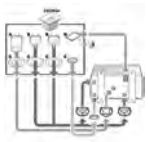
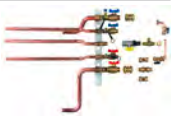
011-1W0259 → 261

A++ 55°C R-410A

Single Unit				EBLQ/EDLQ	011C3V3	014C3V3	016C3V3	011C3W1	014C3W1	016C3W1
Space heating	Average climate water outlet 55°C	General		ηs (Seasonal space heating efficiency)	120	123	119	120	123	119
				SCOP	3.09	3.16	3.06	3.09	3.16	3.06
				Seasonal space heating eff. class	A+					
	Average climate water outlet 35°C	General		ηs (Seasonal space heating efficiency)	156	153	149	156	153	149
				SCOP	3.98	3.90	3.80	3.98	3.90	3.80
				Seasonal space heating eff. class	A++		A+	A++		A+
Heating capacity	Nom.			kW	11.2 (1) / 11.0 (2)	14.5 (1) / 13.6 (2)	16.0 (1) / 15.2 (2)	11.2 (1) / 11.0 (2)	14.5 (1) / 13.6 (2)	16.0 (1) / 15.2 (2)
Cooling capacity (only applicable to EBLQ)	Nom.			kW	12.4 (1) / 11.6 (2)	12.8 (1) / 12.6 (2)	13.9 (1) / 13.6 (2)	12.4 (1) / 11.6 (2)	12.8 (1) / 12.6 (2)	13.9 (1) / 13.6 (2)
Power input	Cooling	Nom.		kW	3.18 (1) / 5.09 (2)	3.16 (1) / 5.14 (2)	3.56 (1) / 5.96 (2)	3.18 (1) / 5.09 (2)	3.16 (1) / 5.14 (2)	3.56 (1) / 5.96 (2)
	Heating	Nom.		kW	2.43 (1) / 3.10 (2)	3.37 (1) / 4.10 (2)	3.76 (1) / 4.66 (2)	2.43 (1) / 3.10 (2)	3.37 (1) / 4.10 (2)	3.76 (1) / 4.66 (2)
COP					4.61 (1) / 3.55 (2)	4.30 (1) / 3.32 (2)	4.26 (1) / 3.26 (2)	4.61 (1) / 3.55 (2)	4.30 (1) / 3.32 (2)	4.26 (1) / 3.26 (2)
EER (only applicable to EBLQ)					3.90 (1) / 2.28 (2)	4.05 (1) / 2.45 (2)	3.90 (1) / 2.28 (2)	3.90 (1) / 2.28 (2)	4.05 (1) / 2.45 (2)	3.90 (1) / 2.28 (2)
SEER (only applicable to EBLQ)					3.85	3.89	3.90	3.85	3.89	3.90
Dimensions	Unit	HeightxWidthxDepth		mm	1,348x1,160x380					
Weight	Unit			kg	157			160		
Operation range (3)	Heating	Ambient	Min.~Max.	°CWB	-25~35					
		Water side	Min.~Max.	°C	25~55					
Operation range (3) (only applicable to EBLQ)	Cooling	Ambient	Min.~Max.	°CDB	10~46					
		Water side	Min.~Max.	°C	5~22					
Operation range (3)	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35					
		Water side	Min.~Max.	°C	25~80					
Refrigerant	Type				R-410A					
	GWP				2087.5					
	Charge			kg	3.40					
	Charge			TCO2Eq	7.10					
	Control				Expansion valve (electronic type)					
Sound power level	Heating	Nom.		dBA	64		66	64		66
	Cooling	Nom.		dBA	64	66	69	64	66	69
Sound pressure level	Heating	Nom.		dBA	51		52	51		52
	Cooling	Nom.		dBA	50	52	54	50	52	54

Wiring centre					EKCB07CV3	EK2CB07CV3
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	360x340x97.0	
Weight	Unit			kg	4.00	

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) Including back-up heater and/or booster heater, see details in databook.

	Type	Material name	Daikin Altherma LT monobloc			Illustration
			5-7 kW	11-16 kW BUH-less	11-16 kW with 3V BUH	
Controls	LAN adapter	BRP069A62	•	•	•	
	LAN adapter + PV solar connection	BRP069A61	•	•	•	
	Remote user interface (DE, FR, NL, IT)	EKRUCBL1	•	•	•	
	Remote user interface (EN, ES, EL, PT)	EKRUCBL3	•	•	•	
	Remote user interface (EN, SV, NO, FI)	EKRUCBL2	•	•	•	
	Remote user interface (EN, TR, PL, RO)	EKRUCBL4	•	•	•	
	Remote user interface (DE, CS, SL, SK)	EKRUCBL5	•	•	•	
	Remote user interface (EN, HR, HU, BG)	EKRUCBL6	•	•	•	
	Remote user interface (EN, DE, RU, DA)	EKRUCBL7	•	•	•	
	Simplified user interface	EKRUCBSB	•			
	Room thermostat (wired)	EKRTWA	•	•	•	
	Room thermostat (wireless)	EKRTR1	•	•	•	
Adapter	Digital I/O PCB	EKRP1HBAA		•		
Back-up heater	Back-up heater monobloc	EKMBUHC3V3/C9W1	•	•		
	Bottom plate heater	EKBPHTH16A		•		
Drain	Drain kit	EKDK04		•		
Sensor	Remote sensor for OU	EKRSCA1	•	•	•	
	External sensor	EKRTETS	•	•	•	
	Remote sensor for IU	KRCS01-1	•	•	•	
Wiring centre	Control box	EKCB07CAV3	•	•	•	
	Option box	EK2CB07CAV3	•	•	•	
By pass	Valve kit	EKMBHBP1	•	•	•	
Bizone	Bizone kit	BZKA7V3	•	•	•	
Others	Cable	EKPCCAB3	•			

R-410A



Daikin Altherma
high temperature

Why choose a Daikin Altherma high temperature split

The Daikin Altherma high temperature split is the perfect heating solution to upgrade an old heating and hot water system to achieve more cost savings and energy efficiency, without replacing the existing piping and radiators

Comfort

Best for renovation projects

Air-to-water high temperature heat pumps are ideal for renovations and replacing old boilers. Daikin Altherma high temperature split's compact design requires minimal installation space and integrates seamlessly with your existing piping and radiators. Minimal installation ensures you can enjoy the energy efficiency of a heat pump without having to replace your entire system.

- Easy replacement: reuse existing piping/radiators
- Reduced installation time
- Limited installation space needed as the indoor unit and domestic hot water tank can be stacked together
- No need to change existing radiators and piping as water temperatures can be increased up to 80°C for heating and domestic hot water use



Whether your customer wants only domestic hot water or the advantage of solar energy, Daikin offers a wide range of options, including:

Stainless steel domestic hot water tank

The domestic hot water tank can be stacked on top of the indoor unit to save space, or installed next to each other if space is available.

- Available in 200 or 250 litres
- Efficient temperature heating: from 10°C – 50°C in only 60 minutes*

*Test completed with a 16 kW outdoor unit at ambient temperature of 7°C for a 200 litre tank



Non-stacked Stacked

ECH$_2$O thermal store: hot water savings with solar energy

Combine the Daikin Altherma heat pump with a thermal store to reduce energy costs by taking advantage of the sun's renewable energy. Built for small and large homes, customers can choose from a pressureless or pressurised hot water system.



Energy efficiency

Powered by renewable energy

Powered by **65% renewable energy** extracted from the air and 35% electricity, our Daikin Altherma high temperature heat pump provides heating and hot water with A+ energy efficiency.

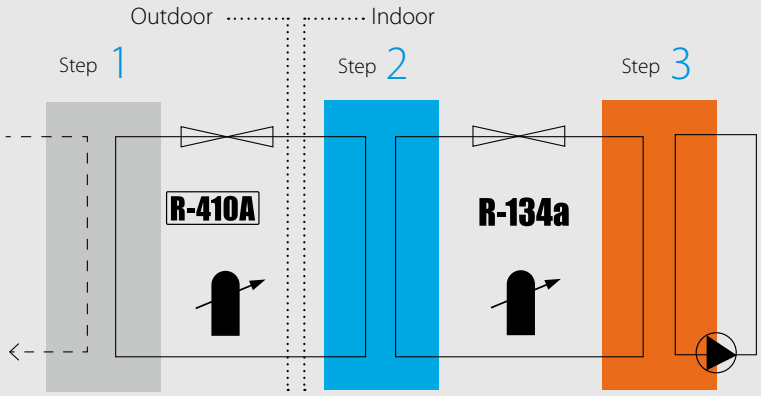
Reliability

The Daikin Altherma high temperature split optimises its technology to deliver reliable year-round comfort, even in the most extreme climates.

› 11-15 kW capacities
› Low running costs and optimum comfort at even the coldest outdoor temperatures, thanks to the unique cascade compressor approach
› Works with existing high temperature radiators up to 80°C without an additional backup heater

Cascade technology

High performance heating in 3 steps to achieve 80°C water temperature without using an additional backup heater



1 **The outdoor unit** extracts heat from the ambient outdoor air. This heat is transferred to the indoor unit via R-410A refrigerant

2 The **indoor unit** increases the temperature with R-134a refrigerant

3 The **refrigerant circuit** transfers the heat to the water in the system

Daikin Altherma high temperature split

Floor standing heating only air to water heat pump combinable with existing radiators

- Energy efficient heating only system based on air to water heat pump technology
- Single phase floor standing indoor unit up to 16kW
- Three phase floor standing indoor unit up to 16kW
- High temperature application: up to 80°C without electric heater
- Easy replacement of existing boiler, without changing heating pipes
- Combinable with high temperature radiators
- Low energy bills and low CO_2 emissions
- Inverter controlled scroll compressor



011-1W0256 → 258

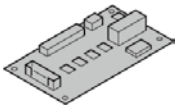
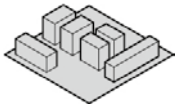
up to B 55°C R-410A

Efficiency data					EKHBRD + ERRQ/ERSQ	011ADV17 + ERRQ011AV1	011ADV17 + ERSQ011AV1	014ADV17 + ERRQ014AV1	014ADV17 + ERSQ014AV1	016ADV17 + ER(R/S)Q016AV1	011ADY17 + ERRQ011AY1	011ADY17 + ERSQ011AY1	014ADY17 + ERRQ014AY1	014ADY17 + ERSQ014AY1	016ADY17 + ER(R/S)Q016AY1
Heating capacity	Nom.			kW		11.3 (1) / 11.0 (2) / 11.2 (3)		14.5 (1) / 14.0 (2) / 14.4 (3)		16.0 (1) / 16.0 (2) / 16.0 (3)	11.3 (1) / 11.0 (2) / 11.2 (3)		14.5 (1) / 14.0 (2) / 14.4 (3)		16.0 (1) / 16.0 (2) / 16.0 (3)
Power input	Heating	Nom.		kW		3.80 (1) / 4.40 (2) / 2.67 (3)	3.87 (1) / 4.40 (2) / 2.67 (3)	5.02 (1) / 5.65 (2) / 3.87 (3)	5.09 (1) / 5.65 (2) / 3.87 (3)	5.86 (1) / 6.65 (2) / 4.31 (3)	3.80 (1) / 4.40 (2) / 2.67 (3)	3.87 (1) / 4.40 (2) / 2.67 (3)	5.02 (1) / 5.65 (2) / 3.87 (3)	5.09 (1) / 5.65 (2) / 3.87 (3)	5.86 (1) / 6.65 (2) / 4.31 (3)
COP						2.97 (1) / 2.50 (2) / 4.20 (3)	2.92 (1) / 2.50 (2) / 4.20 (3)	2.89 (1) / 2.48 (2) / 3.72 (3)	2.85 (1) / 2.48 (2) / 3.72 (3)	2.73 (1) / 2.41 (2) / 3.72 (3)	2.97 (1) / 2.50 (2) / 4.20 (3)	2.92 (1) / 2.50 (2) / 4.20 (3)	2.89 (1) / 2.48 (2) / 3.72 (3)	2.85 (1) / 2.48 (2) / 3.72 (3)	2.73 (1) / 2.41 (2) / 3.72 (3)
Space heating	Average climate water outlet 55°C	General	SCOP			2.96		2.98		3.01	2.96		2.98		3.01
			ηs (Seasonal space heating efficiency)	%		115		116		117	115		116		117
			Seasonal space heating eff. class			A+									
	Average climate water outlet 35°C	General	SCOP			2.70		2.81		2.88	2.70		2.81		2.88
			ηs (Seasonal space heating efficiency)	%		105		110		112	105		110		112
			Seasonal space heating eff. class			C		B			C		B		

Indoor Unit					EKHBRD	011ADV17	014ADV17	016ADV17	011ADY17	014ADY17	016ADY17
Casing	Colour					Metallic grey					
	Material					Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm		705x600x695					
Weight	Unit			kg		144			147		
Operation range	Heating	Ambient	Min.~Max.	°C		-20.0 / 0.00 ~20					
		Water side	Min.~Max.	°C		25~80.0					
	Domestic hot water	Ambient	Min.~Max.	°CDB		-20.0 ~35.0					
		Water side	Min.~Max.	°C		25~80					
Refrigerant	Type					R-134a					
	Charge			kg		2.60					
Sound pressure level	Nom.			dBA		43.0 / 46.0 / 0.00 / 0.00	45.0 / 46.0 / 0.00 / 0.00	46.0 / 46.0 / 0.00 / 0.00	43.0 / 46.0 / 0.00 / 0.00	45.0 / 46.0 / 0.00 / 0.00	46.0 / 46.0 / 0.00 / 0.00
	Night quiet mode	Level 1		dBA		40.0 / 0.00 / 0.00	43.0 / 0.00 / 0.00	45.0 / 0.00 / 0.00	40.0 / 0.00 / 0.00	43.0 / 0.00 / 0.00	45.0 / 0.00 / 0.00

Outdoor Unit					ERRQ-011AV1	ERSQ-011AV1	ERRQ-014AV1	ERSQ-014AV1	ERRQ/ERSQ 016AV1	ERRQ-011AY1	ERSQ-011AY1	ERRQ-014AY1	ERSQ-014AY1	ERRQ/ERSQ 016AY1
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320									
Weight	Unit			kg	120									
Compressor	Quantity				1									
	Type				Hermetically sealed scroll compressor									
Operation range	Heating	Min.~Max.		°CWB	-20~20									
	Domestic hot water	Min.~Max.		°CDB	-20~35									
Refrigerant	Type				R-410A									
	GWP				2,087.5									
	Charge			kg	4.5									
	Charge			TCO2Eq	9.4									
	Control				Expansion valve (electronic type)									
Sound power level	Heating	Nom.		dBA	68		69		71	68		69		71
Sound pressure level	Heating	Nom.		dBA	52		53		55	52		53		55
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V1/1~/50/220-440					Y1/3~/50/380-415				
Current	Recommended fuses			A	25					16				

(1)EW 55°C; LW 65°C; Dt 10°C; ambient conditions: 7°CDB/6°CWB | (2)EW 70°C; LW 80°C; Dt 10°C; ambient conditions: 7°CDB/6°CWB | (3)EW 30°C; LW 35°C; Dt 5°C; ambient conditions: 7°CDB/6°CWB | Contains fluorinated greenhouse gases

	Type	Material name
Controls	Remote user interface	EKRUAHTB
	Room thermostat (wired)	EKRTWA 
	Room thermostat (wireless)	EKRTR1 
	Standard protocol interface for HT and Flex Type	RTD-W
	Centralised controller kit	EKCC-W
Adapter	Demand PCB	EKRP1AHTA 
	Digital I/O PCB	EKRP1HBAA 
Back-up heater	Back-up heater for HT 1~	EKBUHAA6V3
	Back-up heater for HT 3~	EKBUHAA6W1
	Bottom plate heater	EKBPHTH16A
Installation	UK tank kit	EKUHWHTA
	Stand alone kit	EKFMAHTB
Sensor	External sensor	EKRTETS
Valve	Refrigerant stop valves	EKRSVHTA
Others	Compatibility kit 1	EKMKHT1A
	Compatibility kit 2	EKMKHT2A



Monobloc
domestic hot water heat pump



Why choose a monobloc domestic hot water heat pump ?

The high performance monobloc domestic hot water heat pump is the newest addition to the Daikin water heater range. Enhanced hot water comfort with quiet operation, easy handling, flexibility of installation and different integration possibilities. Perfect for renovation and new build.

High performance

› Delivering high comfort hot water of temperatures up to 55 °C with the heat pump only
› Among the most quiet with 53 dBA sound power and 36 dBA at 2meters
› High tapping rate L, XL for guaranteeing maximum domestic hot water flow
› A+ seasonal energy efficiency

Easy to install and control

› All components are built-in and ready to work
› Compact sizes and low weight, which make it easily manoeuvrable through small doors and spaces
› Easy connection, from top of the unit, maximizes placing possibilities
› 3 easy operating modes, Eco – Auto – Boost, for your personal preferences

Renewable power

› Produces domestic hot water by extracting energy from the outside air
› For the 260liter an extra coil possibility exists for solar water heating
› The monobloc can be standard connected to a PV installation severely minimizing running costs

Year-round reliability

› Total thermal power up to 3.4 kW ensures optimal hot water comfort
› Wide operation range: down to -7 °C outside temperature with the heat pump unit, and below -7°C with electrical heating element support
› Guaranteed optimal comfort by heat pump up to 38 °C outside temperature



Height:
200L 1714 mm
260L 2004 mm

53 dB(A)
Sound level



Domestic hot water heat pump

Enhanced hot water comfort

- Quiet operation: with 36dBA at 2m, one of the most silent products in its kind
- Easy handling: thanks to its compact size, it can easily pass through the doorway
- Enhanced comfort: the 3 operating modes will give an answer to all your needs
- Solar connectivity: empower your house with renewable energy
- Wide operation range: down to -7 °C outside temperature with the heat pump, below -7 °C electrical heating element support



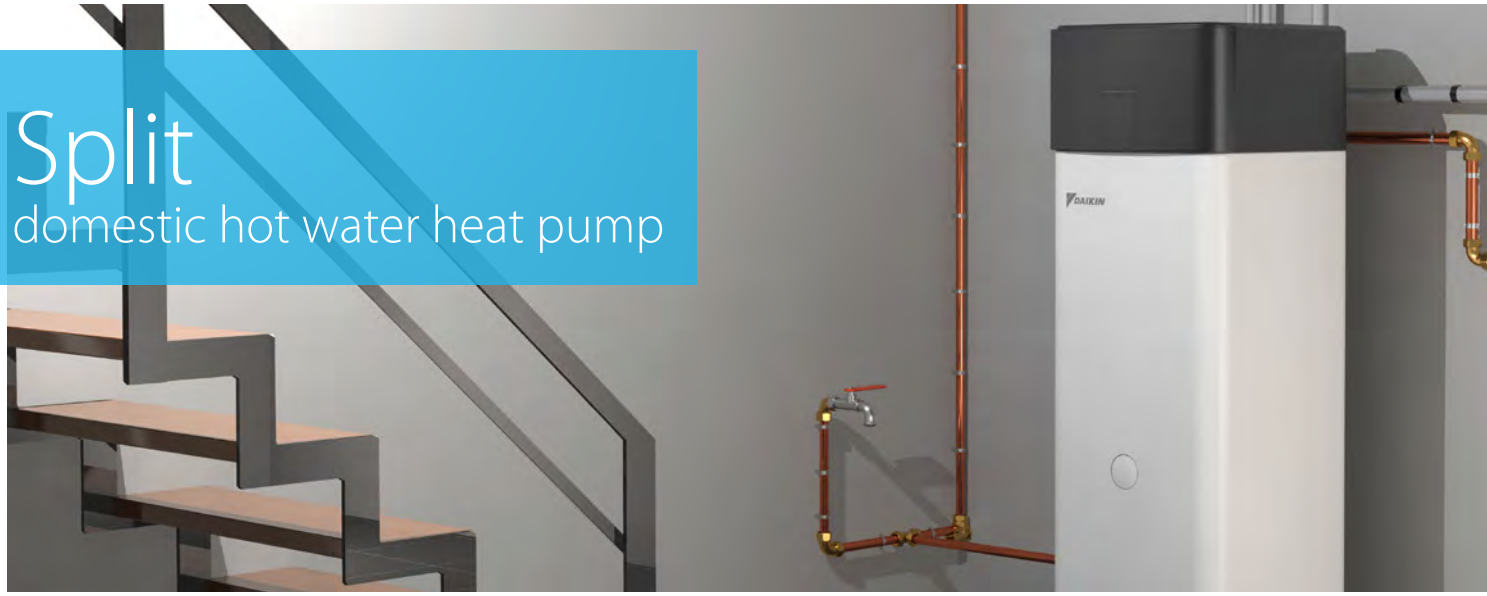
EKHH2E-AV3

011-1W0215 → 217

A+ 56°C

Indoor unit				EKHH2E	2E200AV3(3)	2E260AV3(3)	2E260PAV3(3)
Heat up time	Max.			hh:mm	08:17:00 (3) / 06:30:44 (4)	10:14:00 (3) / 07:56:46 (4)	10:14:00 (3) / 07:46:46 (4)
COP					2.94 (1) / 3.30 (2)	3.10 (1) / 3.60 (2)	
Domestic hot water	Output	Nom		kW	1.8		
Equivalent hot water	Max			l	275	342	
Dimensions	Unit	Height		mm	1,714	2,004	
		Diameter		mm	650		
Weight	Unit	Empty		kg	83	95	112
		Full		kg	282	349	358
	Packed unit			kg	100	120	140
Installation place					Indoor		
IP class					IP-X4		
Compressor	Type				Rotary non-inverter		
Refrigerant	Type				R-134a		
	GWP				1,430.0		
	Charge			TCO2Eq	1.287		
	Charge			kg	0.900		
Heat pump	Casing	Colour			White body / Black top		
		Material			Cover: EPP top finishing		
	Defrost method				Active with hot gas valve		
	Automatic defrost start			°C	-2		
	System pressure	Max.		bar	7		
	Operation range	Ambient	Min.	°CDB	-7		
			Max.	°CDB	38		
Tank	Integrated heating element power	Nom.		kW	1.5		
	Casing	Colour			White		
		Material			Embossed ABS		
	Dimensions	Unit	Height	mm	1,210	1,500	
	Operation range	Water side	Min.	°C	10		
			Max.	°C	56		
	Installation	Solar thermal connection possible			-		1
	Standing heat loss			W	60	70	71
Domestic hot water heating	General	Declared load profile			L	XL	
		Water heating energy efficiency class			A+		
		Thermostat temperature setting		°C	55		
	Average climate	AEC (Annual electricity consumption)		kWh	835	1,323	
		ŋ wh (water heating efficiency)		%	123	127	
	Cold climate	AEC (Annual electricity consumption)		kWh	1,091	1,826	
		ŋ wh (water heating efficiency)		%	94	92	
	Warm climate	AEC (Annual electricity consumption)		kWh	756	1,296	
		ŋ wh (water heating efficiency)		%	135	129	
Sound power level	Domestic hot water heating	Indoor unit		dBA	53		
Heat pump	Power supply	Phase			1P		
		Frequency		Hz	50		
		Voltage		V	230		
		Maximum running current		A	2.4		
Tank	Power supply	Phase			1P		
		Frequency		Hz	50		
		Voltage		V	230		

(1) Temperature of incoming air supply = 7°C, temperature of boiler storage environment = 20°C, water heated from 10°C to 55°C (according to UNI EN 16147-2011).
(2) Temperature of incoming air supply = 15°C, temperature of boiler storage environment = 20°C, water heated from 10°C to 55°C (according to UNI EN 1614 7-2011).
(3) Indoor temperature : 29°CDB, 19°CWB; outdoor temperature : 46°CDB, 24°CWB
(4) Indoor temperature : 27°CDB, 19°CWB; outdoor temperature : 35°CDB, 24°CWB



Split
domestic hot water heat pump

Why choose a split domestic hot water heat pump ?

The split domestic hot water heat pump is the ideal replacement for an electric domestic hot water tank to provide semi-instantaneous hot water.

Comfort

Fresh water principle:
› Domestic hot water production on demand means fresh water at all times
› Minimum volume of stored domestic hot water prevents the risk of contamination and sedimentation

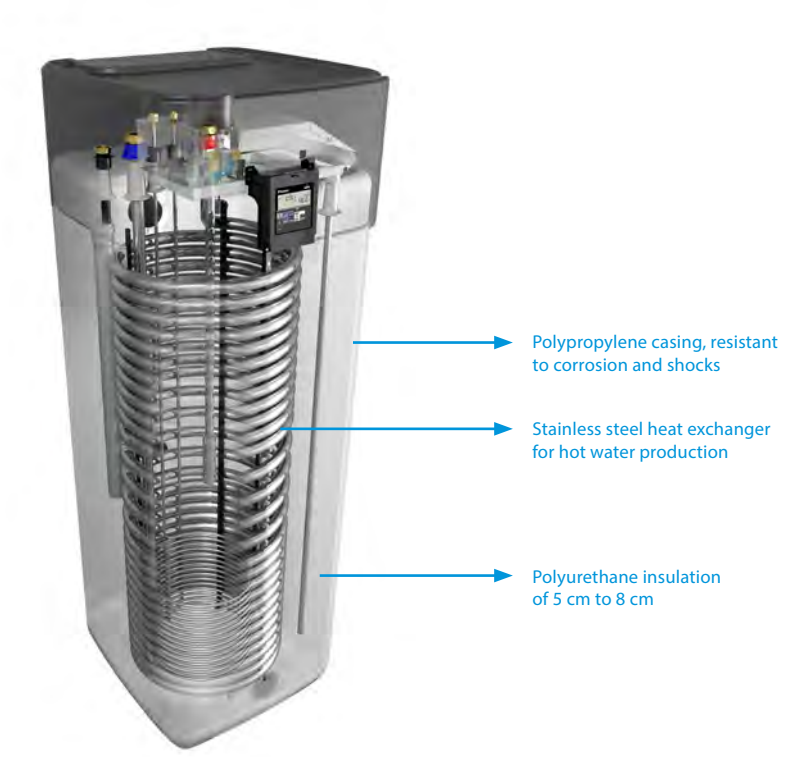
Easy installation
› No water tank pressure and limited pressure in the heat exchanger
› Low maintenance: no anode means no scale and lime deposits or corrosion
› Compact and designed with additional controls for easy installation and maintenance

Reliability

› Electrical backup (2.5 kW) ensures hot water under all circumstances; the 500l tank can also be equipped with an external hydraulic backup
› The ECH$_2$O thermal store is engineered to provide you with fresh, healthy and safe hot water
› By just using the heat pump, the temperature of the water can reach up to 55°C and its production is guaranteed down to -15°C

Energy efficiency

› Heat pump extracts renewable energy from the outside air to produce hot water
› Increase energy saving and efficiency by connecting the unit to solar panels



Domestic hot water heat pump

Hot water in an efficient way

› Domestic hot water is heated almost immediately
› Combine it with solar heating for even better energy efficiency
› Easy installation: no water tank pressure and only limited pressure in the heat exchanger
› Low maintenance: no anode means no scale and lime deposits or corrosion
› Electrical back-up (2.5 kW) ensures hot water under all circumstances. The 500L tank can also be equipped with an external hydraulic back-up.
› Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
› Possible to connect to photovoltaïc solar panels to provide energy for your heat pump (optional)



A 55°C R-410A

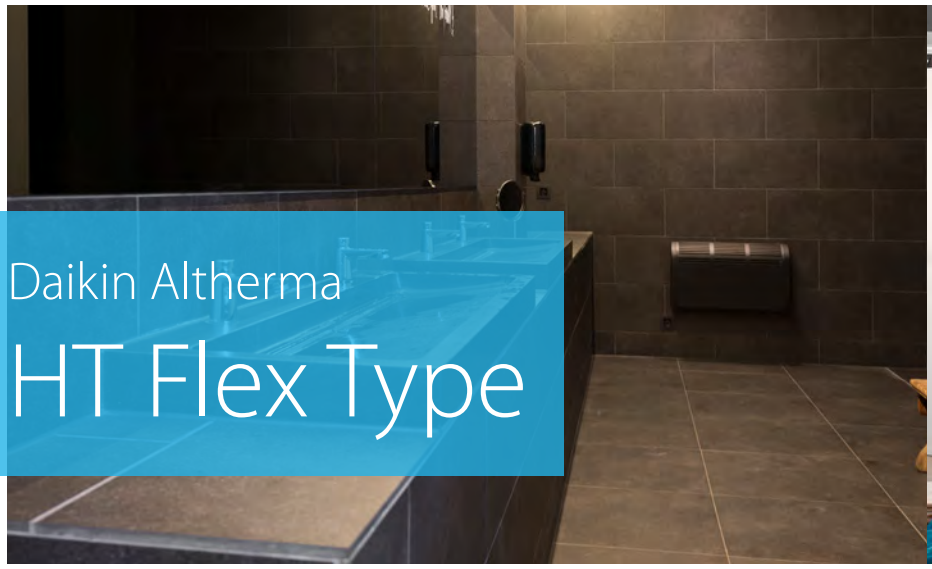
Efficiency data			EKHHP + ERWQ	300A2V3 + 02AV3	500A2V3 + 02AV3
Domestic hot water heating	General	Declared load profile		L	XL
	Average climate	ηwh (water heating efficiency)	%	119	123
		Water heating energy efficiency class		A	
COP				4.30 (1)	

Indoor Unit				EKHHP	300A2V3	500A2V3
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)	
Dimensions	Unit	HeightxWidthxDepth		mm	1,750x615x615	1,750x790x790
Weight	Unit			kg	70	80
Tank	Water volume			l	294	477
	Maximum water temperature			°C	85	
Operation range	Domestic hot water	Ambient	Min.~Max.	°CDB	2~35	
		Water side	Min.~Max.	°C	5~55	
Refrigerant	Type				R-410A	

Outdoor Unit				ERWQ	02AV3	02AV3
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	
Weight	Unit			kg	35	
Compressor	Quantity				1	
	Type				Hermetically sealed swing compressor	
Operation range	Domestic hot water		Min.~Max.	°CDB	-15~35	
Refrigerant	Type				R-410A	
	GWP				2,087.5	
	Charge			kg	1.05	
	Charge			TCO2Eq	2.2	
Sound pressure level	Heating		Nom.	dBA	47	
	Cooling		Nom.	dBA	47	
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230	

(1) At 7°C ambient temperature (2) Contains fluorinated greenhouse gases

R-410A





Daikin Altherma

HT Flex Type

Why choose a Daikin Altherma HT Flex Type

Daikin Altherma HT Flex Type is ideal for large requirements of domestic hot water like apartment buildings or commercial spaces.

Comfort

Domestic hot water

› Equipped with air-to-water heat pump technology
› Best system to meet high demands for hot water
› Using renewable energy from the heat pump, the system can heat the hot water tank up to 75°C without using an electric heater

Energy efficiency

› High energy efficiency achieves high sustainability and low operation costs
› Inverter compressor continuously adjusts the compressor speed to meet actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures

Reliability

Modular system

One or more outdoor units can be connected to several indoor units (maximum 10 indoor units per outdoor unit)



EMRQ-AB + EKHBRD-ADV17/Y17

Daikin Altherma High Temperature Flex Type

› Low energy bills and low CO2 emissions
› Easy installation and maintenance
› Customised to meet your building's needs: up to 10 indoor units can be connected to 1 outdoor unit



EMRQ-AB



EKHBRD-ADV17/Y17

A | 80°C | R-410A

Outdoor Unit					EMRQ	8AB	10AB	12AB	14AB	16AB
Heating capacity	Nom.				kW	22.4 (1)	28 (1)	33.6 (1)	39.2 (1)	44.8 (1)
Seasonal efficiency	Domestic hot water heating	General	Declared load profile			XL				
		Average climate	ηwh (water heating efficiency)		%	93			83.7	93
			Water heating energy efficiency class			A				
Casing	Colour					Daikin White				
	Material					Painted galvanized steel plate				
Dimensions	Unit	HeightxWidthxDepth			mm	1,680x1,300x765				
Weight	Unit				kg	331			339	
Operation range	Domestic hot water	Ambient	Min.~Max.		°CDB	-20~35				
Refrigerant	Type					R-410A				
	GWP					2,087.5				
	Charge				kg	10.3	10.6	10.8	11.1	
					TCO_2eq	21.5	22.1	22.5	23.2	
Piping connections	Liquid	OD			mm	9.52		12.7		
	Suction	OD			mm	19.1	22.2	28.6		
	High and low pressure gas	OD			mm	15.9	19.1		22.2	
	Piping length	OU - IU	Max.		m	100				
		System	Equivalent		m	120				
	Total piping length	System	Actual		m	300				
Sound power level	Heating	Nom.			dBA	78		80	83	84
Sound pressure level	Heating	Nom.			dBA	58		60	62	63
Power supply	Phase/Voltage				V	3~/380-415				
Current	Recommended fuses				A	20	25		40	

(1) Condition: Ta=7°CDB/6°CWB, 100% connection ratio
(2) Contains fluorinated greenhouse gases

Indoor Unit					EKHBRD	011ADV17	014ADV17	016ADV17	011ADY17	014ADY17	016ADY17
Casing	Colour					Metallic grey					
	Material					Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth			mm	705x600x695					
Weight	Unit				kg	144			147		
Operation range	Domestic hot water	Ambient	Min.~Max.		°CDB	-20.0~35.0					
		Water side	Min.~Max.		°C	25~80					
Refrigerant	Type					R-134a					
	Charge				kg	2.60					
					TCO_2eq	3.718					
	GWP					1,430					
Sound pressure level	Nom.				dBA	43.0 / 46.0 / 0.00 / 0.00	45.0 / 46.0 / 0.00 / 0.00	46.0 / 46.0 / 0.00 / 0.00	43.0 / 46.0 / 0.00 / 0.00	45.0 / 46.0 / 0.00 / 0.00	46.0 / 46.0 / 0.00 / 0.00
	Night quiet mode	Level 1			dBA	40 / 0 / 0	43 / 0 / 0	45 / 0 / 0	40 / 0 / 0	43 / 0 / 0	45 / 0 / 0

Options

	Type	Material name	EMRQ-AB
Drain	Central drain pan kit	KWC25C450	•
Refnet	Refnet header	KHRQ(M)22M29H8	•
	Refnet header	KHRQ(M)22M64H8	•
	Refnet joint	KHRQ(M)22M20T8	•
	Refnet joint	KHRQ(M)22M29T8	•
	Refnet joint	KHRQ(M)22M64T8	•

R-410A



Daikin Altherma

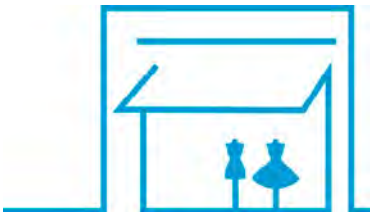
high capacity range

With the expanded Daikin Altherma high capacity range we now offer the ideal solutions for all high demanding systems. Ideal for collective housing, hotels, swimming pools which require high comfort and high reliability.

Why choose a Daikin Altherma LT high capacity ?

Strong and reliable

› Equipped with air-to-water heat pump technology to extract the outdoor air for energy
› COP possible up to 3.07/A+ at Ta DB/WB 7/6*C - LWC 45*C
› Reversible, enhanced cooling capacity
› External control possible



Collective/commercial advantage

› Cascade heating capacity up to 62,7 kW
› Cascade cooling up to 63,3 kW
› VRV technology ensures high efficiencies and reliable working
› Compact model for easy installation and fit for smaller spaces





Daikin Altherma low temperature high capacity

- Hydronic module for indoor installation eliminating the need for glycol
- Ideal for colder climates as the lack of glycol will allow for high efficiency
- Compact dimensions and limited pipework allow fir installation in very restricted spaces
- Easy transportation as separate units will fit in an elevator



SEHVX-BAW SERHQ-BAW1



BRC21A53/54 (Optional)

up to A++ 50°C R-410A

Heating & Cooling					SEHVX20BAW/ SERHQ020BAW1	SEHVX32BAW/ SERHQ032BAW1	SEHVX40BAW/ SERHQ020BAW1+SERHQ020BAW1	SEHVX64BAW/ SERHQ032BAW1+SERHQ032BAW1
Cooling capacity	Nom.			kW	21.2 (1)	31.8 (1)	42.3 (1)	63.3 (1)
Heating capacity	Nom.			kW	20.8 (2)	31.2 (2)	41.7 (2)	62.7 (2)
Power input	Cooling	Nom.		kW	7.47 (1)	12.7 (1)	15.1 (1)	25.5 (1)
	Heating	Nom.		kW	6.76 (2)	10.6 (2)	13.7 (2)	21.4 (2)
EER					2.84	2.5	2.8	2.48
COP					3.07	2.93	3.03	2.93
Space heating	Average climate water outlet 35°C	General	SCOP		3.93	3.53	3.80	3.53
			ηs (Seasonal space heating efficiency)	%	154	138	149	138
			Seasonal space heating eff. class		A++	A+		

Unit for indoor installation					SEHVX20BAW	SEHVX32BAW	SEHVX40BAW	SEHVX64BAW
Dimensions	Unit	Height		mm	1,573			
		Width		mm	766			
		Depth		mm	396			
Weight	Unit			kg	97.0	105	137	153
	Packed unit			kg	109	117	149	165
Water side Heat exchanger	Type				Brazed plate			
	Water volume			l	3	5	6	9
	Water flow rate	Cooling	Nom.	l/min	60 (3)	90 (3)	120 (3)	181 (3)
		Heating	Nom.	l/min	60 (2)	90 (2)	120 (2)	181 (2)
Sound power level	Nom.			dBA	63		66	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5~43			
		Water side	Min.~Max.	°CDB	5 (4)~20			
	Heating	Ambient	Min.~Max.	°CDB	-15~35			
		Water side	Min.~Max.	°CDB	25~50			
Refrigerant	Type / GWP				R-410A / 2,087.5			
	Circuits	Quantity			1		2	
	Control				Electronic expansion valve			
Water circuit	Piping connections diameter			inch	1-1/4" (female)		2" (female)	
	Piping			inch	1-1/4"		1-1/2"	
	Water pressure drop	Cooling	Nom.	kPa	17 (7)	24 (7)	19 (7)	29 (7)
	Total water volume			l	4.2 (8)	5.8 (8)	7.9 (8)	11.0 (8)
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/400			

Outdoor Unit					SERHQ020BAW1	SERHQ032BAW1
Dimensions	Unit	Height		mm	1,680	
		Width		mm	765	
		Depth		mm	930	1,240
Weight	Unit			kg	240	316
	Packed unit			kg	273	356
Compressor	Quantity				2	3
	Type				Hermetically sealed scroll compressor	
Fan	Type				Axial	
	Quantity				1	2
	Air flow rate	Cooling	Nom.	m^3/min	185	233
		Heating	Nom.	m^3/min	185	233

(1) Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; ambient air temp. 35°C (2) Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) (3) Condition: Ta 35°C - LWE 7°C (DT = 5°C) (4) Water can be used above 5°C. Between 0°C and 5°C a 30% glycol solution (propylene or ethylene) has to be used. Between 0°C and -10°C a 40% glycol solution (propylene or ethylene) has to be used (see installation manual and information related to OPZL option) (5) Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info. (6) Excluding the water volume in the unit. This volume will guarantee sufficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils) (7) This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop. (8) Including piping + PHE; excluding expansion vessel

R-410A

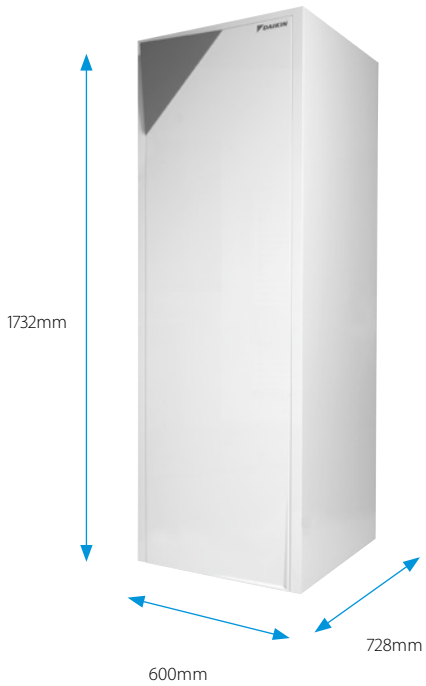


Daikin Altherma

ground source heat pump

Why choose a Daikin Altherma ground source heat pump

The Daikin Altherma ground source heat pump uses stable geothermal energy and Daikin's inverter heat pump technology to deliver heating and hot water in all climates.



Comfort

Simple solution for installers

Quick and easy installation

› Full integration of the heat pump module and factory-fitted domestic hot water tank reduces installation time
› Pipework connections are placed on the top of the unit for accessibility
› Lightweight unit is easy to transport and install

Compact design

› No larger than an average household appliance, the unit's sleek design fits neatly in any standard room
› Requires only 10 mm of side clearance

Energy efficiency

Powered by **80% renewable energy** extracted from the ground and 20% electricity, our Daikin Altherma ground source heat pump provides heating and hot water with **A++ energy efficiency**.

Equipped with our signature inverter technology

Our Daikin inverter efficiently controls the unit's motor speed and reduces energy consumption by up to 30%. Rather than expending additional energy by starting and stopping, the inverter adjusts the speed of the motor so that it runs continuously and more efficiently in the long run.

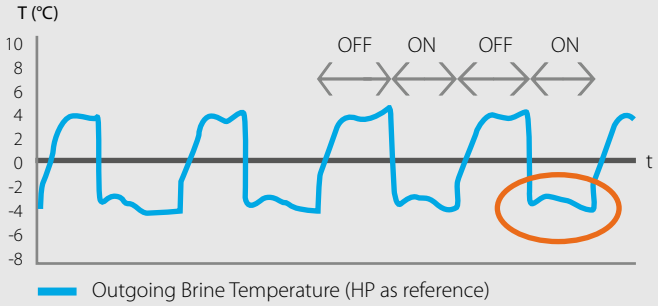
› Increases brine temperatures during partial load operation
› Reduces backup heater operation to a minimum
› Reaches high operating efficiencies during partial load operation

Case study

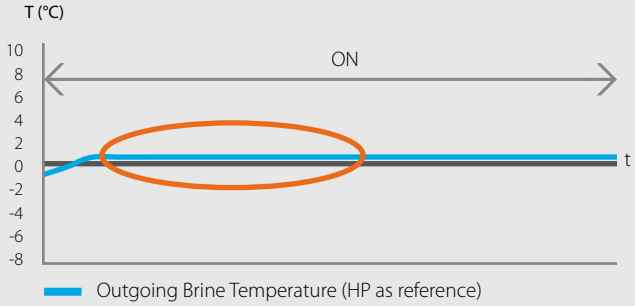
Typical application:

- Location: Sweden
- Design temperature: -17°C
- Heat load: 13kW
- Heating off temperature: 16°C

Operation ON/OFF unit
Partial load condition - ON/OFF



Operation Daikin unit
Partial load condition - Inverter controlled



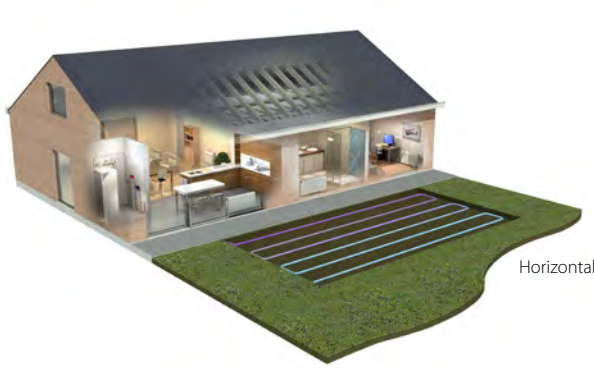
Reliability

For new homes and large-scale renovations

By extracting energy from below the Earth's surface, ground source heat pumps are extremely reliable, even in the coldest climates. Ground temperatures remain fairly stable throughout the year, making it an ideal renewable energy source.

Reliable climate control

Ground source heat pumps horizontally and vertically extract renewable energy from the heat in the ground. The installation requires land area, but significantly reduces your carbon footprint and helps you save on energy costs in the long run.



Horizontal probe



Vertical probe

Case study

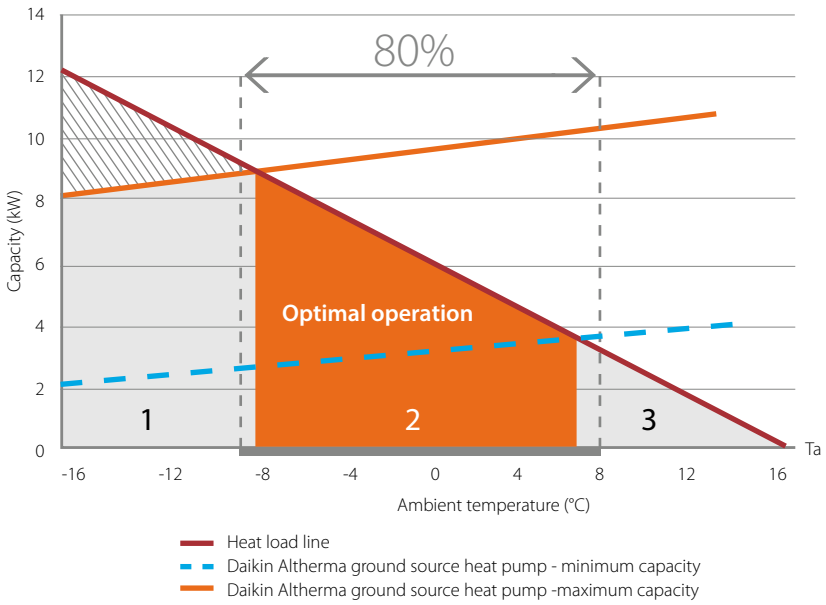
Typical Nordic climate application with standard heat load:

- Location: Sweden
- Design temperature: -17°C
- Heat load: 12 kW

1 **Full load operation with additional electric assistance** (if required)
The heat load is higher than the maximum heating capacity

2 **Partial load operation**
The heat load is lower than the maximum heating capacity and higher than the minimum heating capacity
This is the optimal operation zone

3 **On/Off operation**
The heat load is below the minimum heating capacity and the unit will go into on/off mode to deliver the required capacity



In a Nordic climate, around 80% of the required heat output must be delivered in an ambient temperature range between -9°C and 8°C (indicated by the orange zone on the graph). To deliver a high seasonal Coefficient of Performance (COP), it is crucial to have high operating efficiencies for this ambient temperature range because a majority of the required heat must be delivered within this range.

The Daikin Altherma ground source heat pump almost completely covers the relevant ambient temperature range during partial load operation, which is the optimal operational zone of the unit. This is a major benefit when compared to traditional on/off compressors.



Daikin Altherma ground source heat pump

Ground source heat pump for heating & hot water

- Ground source heat pump technology uses stable geothermal energy, unaffected by the outside temperature
- Highest seasonal efficiency thanks to our inverter heat pump technology
- Quick and easy installation thanks to factory-fitted piping on top of the unit and reduced overall weight
- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- User interface with thermostat function for higher comfort, quick commissioning, easy servicing and energy management to control energy consumption and costs


EGSQH-A9W

011-1W0067

Indoor Unit				EGSQH	10S18A9W
Space heating	Average climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	144
			Seasonal space heating eff. class		A++
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	202
			Seasonal space heating eff. class		A++
Domestic hot water heating	General	Declared load profile			L
	Average climate	ηwh (water heating efficiency)		%	93.1
		Water heating energy efficiency class			A
Heating capacity	Min.			kW	3.11(1) / 2.47(2)
	Nom.			kW	10.2(1) / 9.29(2)
	Max.			kW	13.0(1) / 11.9(2)
Power input	Nom.			kW	2.34(1) / 2.82(2)
COP					4.35(1) / 3.29(2)
Casing	Colour				White
	Material				Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth		mm	1,732x600x728
Weight	Unit			kg	210
Tank	Water volume			l	180
	Insulation	Heat loss		kWh/24h	1.36
	Corrosion protection				Anode
Operation range	Domestic hot water	Water side	Min.~Max.	°C	25 / 25 ~55 / 60
Refrigerant	Type				R-410A
	GWP				2,087.5
	Charge			kg	1.80
	Charge			TCO2Eq	3.76
	Control				Electronic expansion valve
Sound power level	Nom.			dBA	46.0
Sound pressure level	Nom.			dBA	32.0
Power supply	Name/Phase/Frequency/Voltage			Hz/V	9W/3~/50/400
Current	Recommended fuses			A	25

Options

	Type	Material name
Controls	LAN adapter	BRP069A62
	LAN adapter + PV solar connection	BRP069A61
	Remote user interface (DE, FR, NL, IT)	EKRUCBL1
	Remote user interface (EN, ES, EL, PT)	EKRUCBL3
	Remote user interface (EN, SV, NO, FI)	EKRUCBL2
	Remote user interface (EN, TR, PL, RO)	EKRUCBL4
	Remote user interface (DE, CS, SL, SK)	EKRUCBL5
	Remote user interface (EN, HR, HU, BG)	EKRUCBL6
	Remote user interface (EN, DE, RU, DA)	EKRUCBL7
	Simplified user interface	EKRUCBSB
	Room thermostat (wired)	EKRTWA
	Room thermostat (wireless)	EKRTR1
Adapter	Demand PCB	EKRP1AHTA
	Digital I/O PCB	EKRP1HBAA
Installation	Wire harness	EKGSCONBP1
Sensor	Remote indoor sensor	KRCS01-1B
	External sensor	EKRTETS
Valve	Valve kit	EKVK1A/2A/3A
Others	PC cable	EKPCCAB1
	Ground source filling kit	KGSFILL

(1) EWB/LWB 0°C/-3°C - LWC 35°C (DT=5°C) (2) EWB/LWB 0°C/-3°C - LWC 45°C (DT=5°C) (3) Contains fluorinated greenhouse gases

Daikin Altherma

hybrid heat pump



Why choose a Daikin Altherma hybrid heat pump

The Daikin Altherma hybrid heat pump is the ideal solution to replace your old gas boiler.

Comfort

Heating

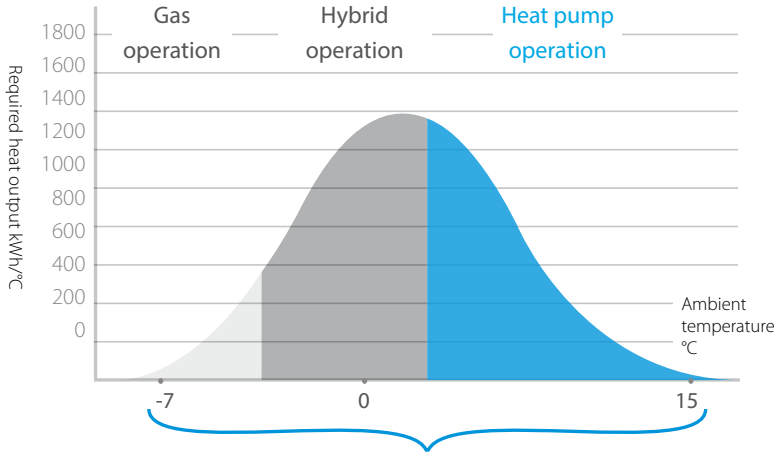
A Daikin Altherma hybrid heat pump automatically determines the most economic and energy efficient heating combination

› **Heat pump operation:** the best available technology for optimising running costs at moderate outdoor temperatures

› **Hybrid operation:** both the gas boiler and heat pump operate simultaneously to deliver the ultimate comfort for your customer

› **Gas operation:** when outdoor temperatures drastically drop, the unit will automatically switch to gas operation mode

Illustration of an average European climate

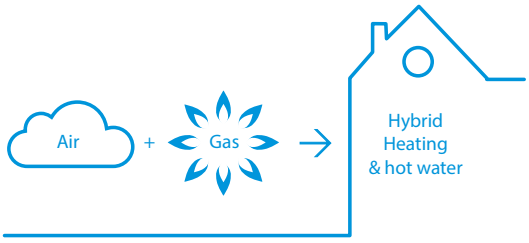


+ 35% efficiency
(space heating) compared to condensing boiler

› Heat load: 14 kW
› 70% heat pump output
› 30% gas boiler output

Heat load = the capacity of the space heating system required to maintain comfortable indoor temperatures at any time

Required heat output = heat load x n° of occuring hours per year



Hot water
The gas condensing boiler's dual heat exchanger increases hot water efficiency by up to 15% when compared with traditional gas boilers

Cooling
Incorporate cooling for a total solution that integrates seamlessly with underfloor heating or radiators

Quick and easy installation
As the heat pump indoor unit and gas condensing boiler are delivered as separate units, they are easier to handle, operate and install

Investment benefits
› Combines with existing radiators; reducing the cost and disruption of installations
› Coverage of heat loads up to 27 kW makes this unit ideal for renovation applications
› Possible to connect to photovoltaïc solar panels to optimise self-consumption of the electiricy produced



Heat pump outdoor unit



Heat pump indoor unit

A++

Energy efficiency

The ideal combination
Depending on the outdoor temperature, energy prices and the internal heat load, the Daikin Altherma hybrid heat pump smartly chooses between the heat pump and/or the gas boiler, possibly in simultaneous operation, and always selects the most economic operation mode.

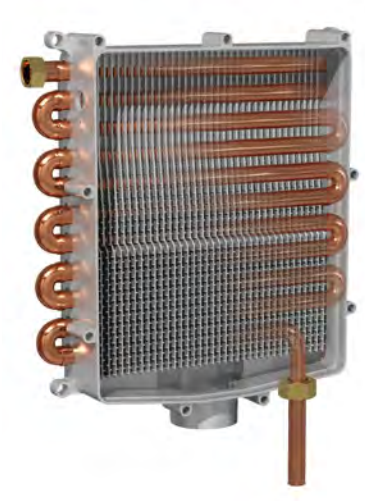
Supported by renewable energy
When working in heat pump mode, the system is powered by renewable energy extracted from the air and can achieve up to **A++ energy efficiency**.

Hot water produced with gas condensing technology
Unique dual heat exchanger increases efficiency up to 15% compared to traditional gas boilers

› Cold tap water flows directly into the heat exchanger
› Optimal and continuous condensing of the flue gases during domestic hot water preparation

Reliability

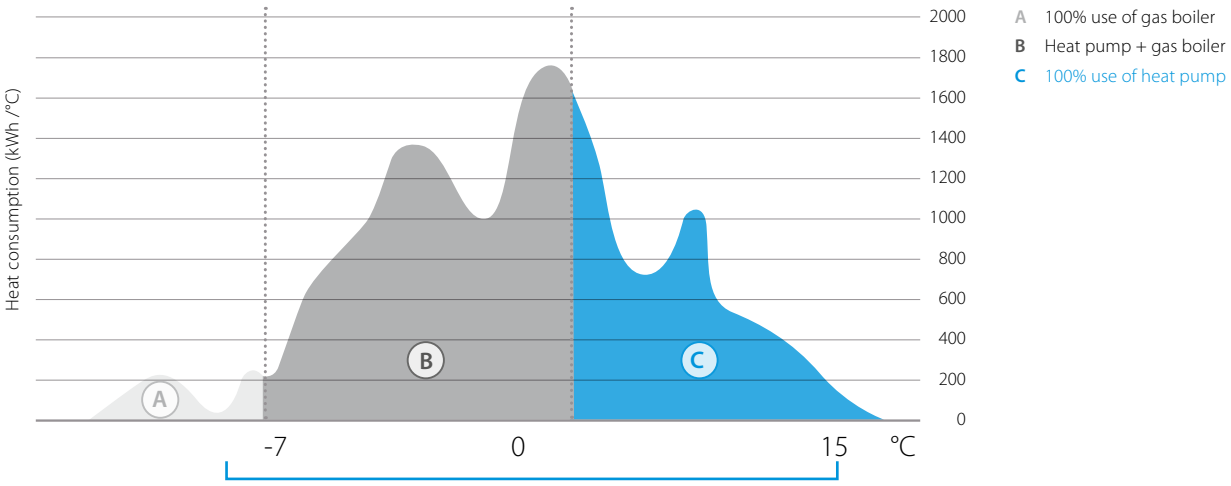
› Low investment cost with no need to replace existing piping and radiators
› Low running costs for heating and domestic hot water
› Compact dimensions
› Ideal for renovation applications
› Easy and fast installation



Case study

Replacing a gas boiler with a Daikin Altherma hybrid heat pump means saving on running costs for both space heating and domestic hot water supply.

A running costs comparison is made below based on parameters for a typical Belgian winter. As a result of the hybrid principle, the most cost-efficient operation will be used no matter the ambient outdoor temperature.



+35% efficiency (space heating) compared to existing condensing gas boiler

	Daikin altherma hybrid heat pump	New gas condensing boiler	Existing gas condensing boiler
		Space heating	
Energy supplied by HP	12,800 kWh		
HP efficiency	3.64 Scop		
Energy supplied by gas boiler	6,700 kWh	19,500 kWh	19,500 kWh
Space heating efficiency	90%	90%	75%
Running costs	1,220 €	1,520 €	1,820 €
		DHW HEATING	
Energy supplied by gas boiler*	3,000 kWh	3,000 kWh	3,000 kWh
DHW heating efficiency*	90%	80%	65 %
Running costs*	230 €	260 €	320 €
		TOTAL	
Running costs	1,450 €	1,780 €	2,140 €

* for combi-boiler, no separate domestic hot water tank

Conditions

Heat load	16 kW
Design temperature	-8°C
Space heating off temperature	16°C
Maximum water temperature	60°C
Minimum water temperature	38°C
Gas price	0.070 €/kWh
Electricity price (day)	0.237 €/kWh
Electricity price (night)	0.152 €/kWh
Total space heating requirement	19,500 kWh
Total DHW heating requirement (4 persons)	3,000 kWh

Yearly savings: for space heating and domestic hot water

-19%	versus new gas condensing boiler	330 €/year
-32%	versus existing gas condensing boiler	690 €/year

Daikin Altherma hybrid heat pump

Hybrid technology combining condensing gas and air to water heat pump for heating and hot water

- Heating only + heating and cooling models
- Depending on outdoor temperature, energy prices and internal heat load, Daikin Altherma hybrid heat pump always selects the most economical mode to operate
- Low investment cost: no need to replace the existing radiators (up to 80°C) and pipe work
- Provides sufficient heat in renovation applications as all heat loads are covered up to 32kW
- Easy and fast installation thanks to the compact dimensions and quick interconnections



A++ A 55°C R-410A

Efficiency data					EHYHBH05AV32 + EVLQ05CV3	EHYHBH08AV32 + EVLQ08CV3	EHYHBX08AV3 + EVLQ08CV3
Space heating	Average climate water outlet 55°C	General	SCOP		3.28 (3)	3.24	3.29
			ηs (Seasonal space heating efficiency)	%	128	127	129
			Seasonal space heating eff. class		A++		
Domestic hot water heating	General	Declared load profile			XL		
	Average climate	ηwh (water heating efficiency)		%	95.8		
		Water heating energy efficiency class			A		
Heating capacity	Nom.			kW	4.40(1) / 4.03(2)	7.40(1) / 6.89(2)	7.40(1) / 6.89(2)
Cooling capacity	Nom.			kW	-		6.86(1) / 5.36(2)
Power input	Heating	Nom.		kW	0.870(1) / 1.13(2)	1.66(1) / 2.01(2)	1.66(1) / 2.01(2)
	Cooling	Nom.		kW	-		2.01(1) / 2.34(2)
COP					5.04(1) / 3.58(2)	4.45(1) / 3.42(2)	4.45(1) / 3.42(2)
EER					-		3.42(1) / 2.29(2)

Indoor unit (Hydrobox & Boiler)					EHYHBH05AV32	EHYHBH08AV32	EHYHBX08AV3	EHYKOMB33AA2	EHYKOMB33AA3
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	-			6.2 / 7.6	7.6 /22.1 / 27.0 / 27.0
	Output Pn at 80/60°C	Min/Nom		kW	-			6.7 / 8.2	8.2 /21.8 / 26.6 / 26.6
	Efficiency	Net calorific value		%	-			98 / 107	
	Operation range	Min/Max		°C	-			15 /80	
Domestic hot water	Output	Min/Nom		kW	-			7.6/32.7	
	Water flow	Rate	Nom	l/min	-			9.0 / 15.0	
	Operation range	Min/Max		°C	-			40/65	
Gas	Connection	Diameter		mm	-			15	
	Consumption (G20)	Min/Max		m^3/h	-			0.78/3.39	
	Consumption (G25)	Min/Max		m^3/h	-			0.90/3.93	
	Consumption (G31)	Min/Max		m^3/h	-			0.30/1.29	
Supply air	Connection			mm	-			100	
	Concentric				-			1	
Flue gas	Connection			mm	-			60	
Casing	Colour				White			White - RAL9010	
	Material				Precoated sheet metal			Precoated sheet metal	
Dimensions	Unit	HeightxWidth xDepth	Casing	mm	902x450x164			710x450x240	
Weight	Unit	Empty		kg	30.0	31.2		36	
Power supply	Phase/Frequency/Voltage			Hz/V	-			1~/50/230	
Electrical power consumption	Max.			W	-			55	
	Standby			W	-			2	
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~25			-	
		Water side	Min.~Max.	°C	25 ~55			-	
	Cooling	Ambient	Min.~Max.	°CDB	-~-		10 ~43	-	
		Water side	Min.~Max.	°C	-~-		5 ~22	-	

Outdoor unit				EVLQ05CV3	EVLQ08CV3
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307	
Weight	Unit		kg	54	56
Compressor	Quantity			1	
	Type			Hermetically sealed swing compressor	
Operation range	Heating	Min.~Max.	°CWB	-25~25	
Refrigerant	Type			R-410A	
	GWP			2,088	
	Charge		kg	1.5	1.6
	Charge		TCO2Eq	3.0	3.3
	GWP			2,088	
Sound power level	Heating	Nom.	dBA	61	62
Sound pressure level	Heating	Nom.	dBA	48	49
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230	
Current	Recommended fuses		A	16	20

(1) Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) (3) Cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)
(4) Cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Daikin Altherma hybrid heat pump
+ multi



The Daikin Altherma hybrid heat pump can also be combined with an air-to-air multi system to provide optimal cooling. Easily installed and managed via an app on a smartphone or tablet, the Daikin Altherma hybrid heat pump + multi is an all-in-one system for heating, cooling and hot water purposes.

Multi features

- ☑ Equipped with Bluevolution technology
- ☑ 3, 4 and 5 ports for multi outdoor units
- ☑ Combinable with different Split & Sky Air indoor units:
  One port can be used for hot water production

Control with Daikin Online Controller app

BLUEVOLUTION

	Hybrid heat pump		Wall mounted																			Concealed ceiling								Floor stainding			Round flow cassette			Fully flat cassette				Ceiling suspended			Concealed floor standing			
	CHYHBH-AV32		C/FTXA-AW/S/T					FTXJ-MW/S				CTXM-N	FTXM-N									FDXM-F9				FBA-A9				FVXM-F			FCAG-B			FFA-A9				FHA-A9			FNA-A9			
Connectable indoor units	05	08	15	20	25	35	50	20	25	35	50	15	20	25	35	42	50	60	71	25	35	50	60	25	35	50	60	25	35	50	35	50	60	25	35	50	60	35	50	60	25	35	50	60
3MXM52N	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●		●	●	●		●	●	●	●	●		●	●	●		●	●		●	●	●	
3MXM68N	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXM68N	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXM80N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5MXM90N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Efficiency data					CHYHBH05AV32 /3MXM52N	CHYHBH05AV32 /3MXM68N	CHYHBH05AV32 /4MXM68N	CHYHBH05AV32 /4MXM80N	CHYHBH08AV32 /4MXM80N	CHYHBH05AV32 /5MXM90N	CHYHBH08AV32 /5MXM590N
Heating capacity	Nom.			kW	4.41 (1)	4.50 (1)			6.78 (1)	4.50 (1)	6.78 (1)
COP					4.49 (1)	3.91 (1)		4.04 (1)	4.17 (1)	4.04 (1)	4.17 (1)
Pump					51.80 (1)						
Seasonal efficiency	Domestic hot water heating	General	Declared load profile		XL						
		Average climate	ηwh (water heating efficiency)	%	96						
Water heating energy efficiency class					A						

(1) DB/WB 7°C/6°C - LWC 35°C (DT=5°C), boiler bypassed

Indoor Unit (Hydrobox)					CHYHBH05AV32	CHYHBH08AV32
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	902x450x164	
Weight	Unit			kg	30.0	
Operation range	Heating	Ambient	Min.~Max.	°C	-15 ~24	
		Water side	Min.~Max.	°C	25 ~50	

Indoor unit (Boiler)					EHYKOMB33AA2/AA3
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	6.2 / 7.6 / 7.6 /22.1 / 27.0 / 27.0
	Output Pn at 80/60°C	Min/Nom		kW	6.7 / 8.2 / 8.2 /21.8 / 26.6 / 26.6
	Efficiency	Net calorific value		%	98 / 107
	Operation range	Min/Max		°C	15 /80
Domestic hot water	Output	Min/Nom		kW	7.6/32.7
	Water flow	Rate	Nom	l/min	9.0 / 15.0
	Operation range	Min/Max		°C	40/65
Gas	Connection	Diameter		mm	15
	Consumption (G20)	Min/Max		m^3/h	0.78/3.39
	Consumption (G25)	Min/Max		m^3/h	0.90/3.93
	Consumption (G31)	Min/Max		m^3/h	0.30/1.29
Supply air	Connection			mm	100
	Concentric				1
Flue gas	Connection			mm	60
Casing	Colour				White - RAL9010
	Material				Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth	Casing	mm	710x450x240
Weight	Unit	Empty		kg	36
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230
Electrical power consumption	Max.			W	55
	Standby			W	2

Outdoor unit					3MXM52N	3MXM68N	4MXM68N	4MXM80N	5MXM90N
Dimensions	Unit	HeightxWidthxDepth		mm	734x958x340				
Weight	Unit			kg	57	62	63	67	68
Sound power level	Cooling			dBA	59	61	61		64
	Heating			dBA	59	61	61		64
Sound pressure level	Cooling	Nom.		dBA	46	48	48	49	52
	Heating	Nom.		dBA	47	48	48	49	52
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46				
	Heating	Ambient	Min.~Max.	°CWB	-15~18				
Refrigerant	Type				R-32				
	GWP				675				
	Charge			kg/TCO2Eq	1.80/1.2	2.00/1.4	2.00/1.4	2.40/1.6	
Piping connections	Liquid	OD		mm	6.35				
	Gas	OD		mm	9.5				
	Piping length	OU - IU	Max.	m	25				
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)				
	Level difference	IU - OU	Max.	m	15				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				
Current - 50Hz	Maximum fuse amps (MFA)			A	30				

Options

	Type	Material name	
Controls	LAN adapter	BRP069A62	
	LAN adapter + PV solar connection	BRP069A61	
	Remote user interface (DE, FR, NL, IT)	EKRUCBL1	
	Remote user interface (EN, ES, EL, PT)	EKRUCBL3	
	Remote user interface (EN, SV, NO, FI)	EKRUCBL2	
	Remote user interface (EN, TR, PL, RO)	EKRUCBL4	
	Remote user interface (DE, CS, SL, SK)	EKRUCBL5	
	Remote user interface (EN, HR, HU, BG)	EKRUCBL6	
	Remote user interface (EN, DE, RU, DA)	EKRUCBL7	
	Simplified user interface	EKRUCBSB	
	Room thermostat (wired)	EKRTWA	
	Room thermostat (wireless)	EKRTR1	
	Heat meter (EHYHBH* only)	K.HEATMET	
Drain	Drain pan for reversible H/B	EKHYDP1	
Installation	Cover plate 35	EKHY093467	
	Installation jig	EKHYMNT1	
Sensor	External sensor	EKRTETS	
Valve	Valve kit for connection to 3rd party tank with built-in thermotat	EKHY3PART2	
	Valve kit for connection to 3rd party tank with sensor pocket	EKHY3PART	
Propane set	Propane set	EKHY075787	

	Type	Material name
Flue gas connections	Adapter Flex-Fixed PP 100	EKFGP6316
	Adapter Flex-Fixed PP 130	EKFGS0252
	Chimney Connection 60/100	EKFGP4678
	Chimney Connection 60/100	EKFGP4678
	Chimney Connection 80/125	EKFGP4828
	Chimney Connection 60/10 Air Intake Dn. 80 C83	EKFGV1101
	Chimney Top PP 100 incl. Flue Pipe	EKFGP5497
	Chimney Top PP 130 incl. Flue Pipe	EKFGP5197
	Concentric connection Ø 80/125	EKHY090717
	Connector Flex-Flex PP 100	EKFGP6325
	Connector Flex-Flex PP 130	EKFGP6366
	Connector Flex-Flex PP 80	EKFGP6324
	Connection set 60/10-60 Flue/Air intake Dn. 80 C53	EKFGV1102
	Eccentric connnection Ø 80	EKHY090707
	Elbow PP/ALU 80/125 90°	EKFGP4810
	Elbow PP/GLV 60/100 30°	EKFGP4664
	Elbow PP/GLV 60/100 45°	EKFGP4661
	Elbow PP/GLV 60/100 90°	EKFGP4660
	Elbow PP/GLV 80/125 30°	EKFGP4814
	Elbow PP MB-AIR 80 90°	EKFGW4085
	Elbow PP BM-AIR 80 45°	EKFGW4086
	Extension Flex PP 100 L=10 M	EKFGP6346
	Extension Flex PP 100 L=15 M	EKFGP6349
	Extension Flex PP 100 L=25 M	EKFGP6347
	Extension Flex PP 130 L=30 M	EKFGS0250
	Extension Flex PP 80 L=10 M	EKFGP6340
	Extension Flex PP 80 L=15 M	EKFGP6344
	Extension Flex PP 80 L=25 M	EKFGP6341
	Extension Flex PP 80 L=50 M	EKFGP6342
	Extension PP 60x500	EKFGP5461
	Extension PP/GLV 60/100 x 1000mm	EKFGP4652
	Extension PP/GLV 60/100 x 500mm	EKFGP4651
	Extension PP/GLV 80/125 x 10000mm	EKFGP4802
	Extension PP/GLV 80/125 x 500mm	EKFGP4801
	Extension P BM-Air 80x500	EKFGW4001
	Extension P BM-Air 80x1000	EKFGW4002
	Extension P BM-Air 80x2000	EKFGW4004
	Filling loop set	EKFL1AA
	Flex 100-60 + Support Elbow	EKFGP6354
	Flex 130-60 + Support Elbow	EKFGS0257
	Flex Kit PP Dn.60-80	EKFGP1856
	Flex Kit PP Dn.8	EKFGP2520
	Flue Deflector 60 (UK Only)	EKFGP1295
	Flue gas non-return flap	EKFGF1A
	Gas conversion kit from G20 to G25	EKPS076227
	Inspection Elbow Plus PP/ALU 80/125 90° EPDM	EKFGP4820
	Meas. Tee with Inspection Panel PP/GLV 60/100	EKFGP4667
	Plume Managment Kit 60 (UK Only)	EKFGP1294
	PMK Elbow 60 45° (2 pcs) (UK Only)	EKFGP1285
	PMK Elbow 60 90 (UK Only)	EKFGP1284
	PMK Extension 60 L=1000 incl. breaket (UK Only)	EKFGP1286
	Roof Terminal PP/GLV 60/100 AR460	EKFGP6837
	Roof Terminal PP/GLV 80/125 AR300 Ral-9011	EKFGP6864
	Spacer PP 80-100	EKFGP6333
	Support Breaket Top Inox Dn.100	EKFGP6337
	Support Breaket Top Inox Dn.130	EKFGP6353
	Tee Flex 100 Boiler Connectionset 1	EKFGP6368
	Tee Flex 130 Boiler Connectionset 1	EKFGP6215
	Thermistor recirculator	EK TH2
	Wall Bracket Dn.100	EKFGP4481
	Wall Bracket Dn.100	EKFGP4631
	Wall Terminal Kit low profile PP/GLV 60/100	EKFGP1293
	Wall Terminal Kit low profile PP/GLV 60/100	EKFGP297 7
	Wall Terminal Kit PP/GLV 60/100	EKFGP2978
	Wall Terminal Kit PP/GLV 60/100	EKFGP1292
	Wall Terminal Kit PP/GLV 80/125	EKFGW6359
	Wall Terminal Kit low profile PP/GLV 60/100 (UK only)	EKFGP1299
	Weather Slate Flat Alu 60/100	EKFGP6940
	Weather Slate Flat Alu 60/100 0°-15°	EKFGP1296
	Weather Slate Flat Alu 80/125	EKFGW5333
	Weather Slate Flat Alu 80/125 0°-15°	EKFGP1297
	Weather Slate Steep Pb/GLV 60/100 18°-22°	EKFGS0518
	Weather Slate Steep Pb/GLV 60/100 23°-27°	EKFGS0519
	Weather Slate Steep Pb/GLV 60/100 43°-47°	EKFGS0523
	Weather Slate Steep Pb/GLV 60/100 48°-52°	EKFGS0524
	Weather Slate Steep Pb/GLV 60/100 53°-57°	EKFGS0525
	Weather Slate Steep Pb/GLV 80/125 18°-22°	EKFGT6300
	Weather Slate Steep Pb/GLV 80/125 23°-27°	EKFGT6301
	Weather Slate Steep Pb/GLV 80/125 43°-47°	EKFGT6305
	Weather Slate Steep Pb/GLV 80/125 48°-52°	EKFGT6306
	Weather Slate Steep Pb/GLV 80/125 53°-57°	EKFGT6307
	Weather Slate Steep PF 60/100 25°-45°	EKFGP7910
	Weather Slate Steep PF 80/125 25°-45° Ral-9011	EKFGP7909





Heating

Boilers

Gas condensing boilers 118

Wall mounted gas condensing boiler 120
Floor standing gas condensing boiler 128

A2 oil condensing boiler 132





Gas condensing boilers

Why choose a gas condensing boiler

Daikin's gas condensing boilers are the best option for individual that plan to replace an existing boiler with a more energy efficient and cost-saving alternative. Both the GCU compact and Wall Mounted Boiler provide end users with reliable performance and efficient heating and hot water.

Comfort

Daikin's gas condensing boilers deliver the ultimate in comfort. Optimal heating ensures seamless operation to deliver reliable year-round heating, even in extreme weather conditions. Instant hot water is possible with our combi range, but also possible with a separate thermal store featuring the ECH_20 tank.

Energy efficiency

Condensing technology

Using latent heat in the flue gas, our condensing technology achieves 107% more energy efficiency by using renewable energy to produce hot water.

Condensing technology

Premix Technology incorporates a modulation fan to perfectly combine combustion air and fuel before it reaches the burner (air/gas mixer), to ensure a high efficiency combustion.

With the combustion of 1 m^3 natural gas, 1.7 kg of water vapour is released in the flue gas as latent heat. Instead of being disposed through the flue, the water vapour containing latent heat is then recirculated, and subsequently reheated by a uniquely designed exchanger.

Condensation forms as a result of the water vapour being cooled to a temperature just below dew point, and subsequently drained via a siphon. The condensing technology uses optimum fuel efficiency, with reduced emissions of NO_x and CO, to ensure high cost savings and environmentally-friendly operation.

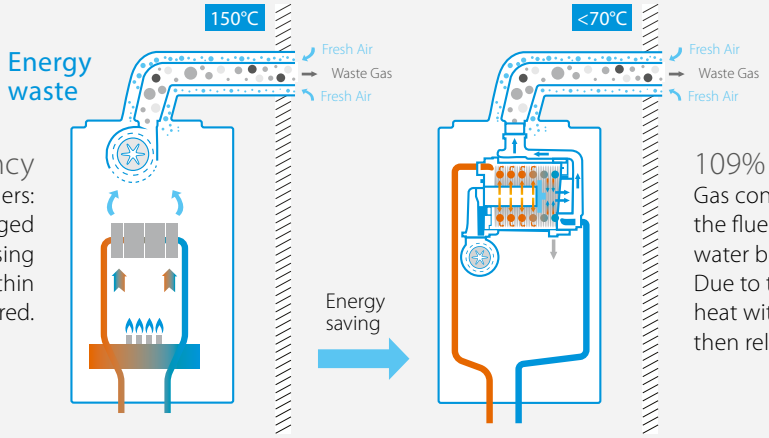




Reliability

Easy installation and service

All parts are accessible from the front and are low maintenance due to the gas-adaptive combustion system Lambda Gx, a fully electronic gas-air combination. The Lambda Gx is compatible with wall mounted and floor standing units.



93% Efficiency

Conventional combi boilers: Water vapour is discharged through the flue in vaporising phase and latent heat within the water vapour is ignored.

109% Efficiency

Gas condensing combi boilers: the flue gas collides with influent water before being discharged. Due to this occurrence, latent heat within the water vapour is then released.

D2 Gas condensing boiler

Supremely compact and controllable via app

Why choose the Daikin gas condensing boiler

Low weight

27 kg

Most compact

12, 18, 24 kW: 400 x 255 x 580 mm
28, 35 kW: 450 x 288 x 666 mm

Connectivity/Cloud Service

Always in control, no matter where you are

Easy installation and service

All parts are accessible from the front. The gas-adaptive combustion system (Lambda Gx) means lower maintenance and installation time in a minimalist space. The Lambda Gx is compatible with wall mounted and floor standing units.

Solar thermal connection

Usable in combination with solar thermal store (renewable energy)
Combi boiler: solar preheating
Heating only boiler: solar controller input



Flexible in use

Thanks to IPX5D standard and its compact dimensions, it's possible to install in nearly all room conditions, such as kitchen cupboards, bathroom, utility room, heating room, balcony (in-wall kit)

Modulation 1:8

Capacity adapts to required heat of 4 to 28 kW and 5 to 35 kW

Daikin eye

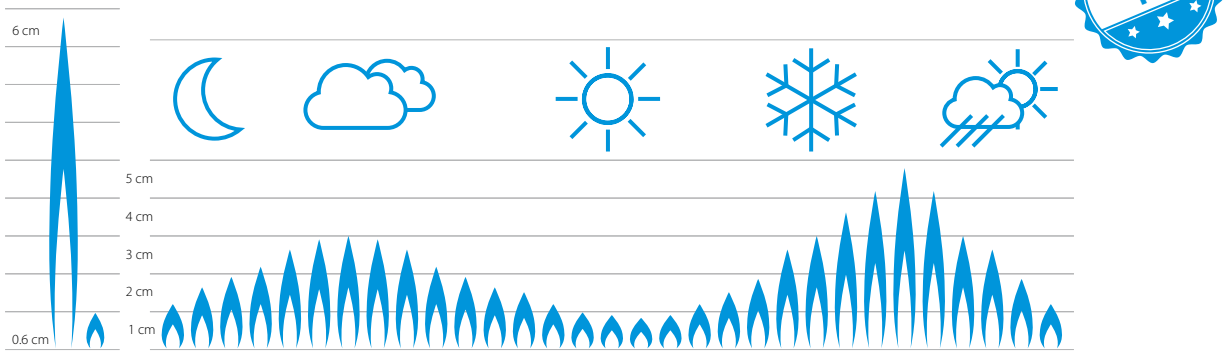
Monitor the operating status of your combi boiler with the Daikin Eye

Unique interface

› Stylish interface appeals to all end-users
› State-of-the-art technology meets user-friendly design
› The side details and convex front panel deliver an integrated view

High modulation rate

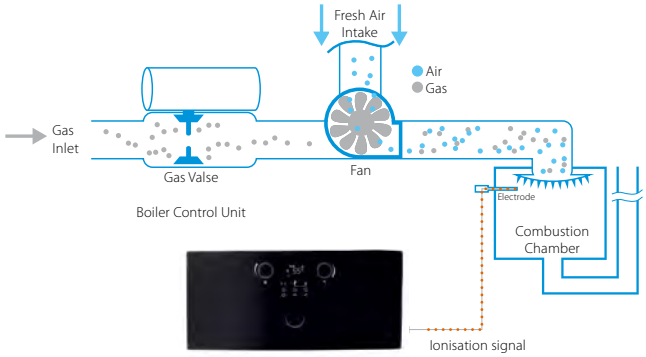
The opportunity to adjust the burner power ensures the seamless and continuous operation of the device. Smooth functioning of the system means increased comfort, a low risk for system failure and the ability to neutralise harmful substance emissions that may occur during ignition. Modulation is also automatically provided by the electronic control.





Lambda Gx: automatic gas adaptation system

With the Lambda GX, the correct combination of air and gas is regulated to achieve efficient combustion, which leads to higher cost savings and less installation and adjustment effort. With Lambda Gx, you have the advantage that you need no other parts like a gas cover to change from natural gas (NG) to liquid gas (LPG).



Daikin Eye

You can monitor the operating status of your combi boiler with the Daikin Eye



Blue:

When the Daikin Eye indicates a blue colour, it means the boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.



Red:

When the Daikin Eye indicates a red colour, it means the boiler is out of commission and requires a maintenance check.

Product features

Flue Adapter 60/100

› Factory mounted
› Compatible with top adapters/elbows of different flue gas manufacturers
› With measurement wholes for air and flue gas

Heat Exchanger

› Daikin design
› Material: Aluminium
› Modulation:
12-18-24 kW (1:4 - 1:6 - 1:8)
28-35 kW (1:4 - 1:7)

Expansion Vessel

› Integrated
› 12-18-24 kW: 8 liters
28-35 kW: 10 liters

Gas Valve

› Less maintenance needed
› Automatic gas adaptive system
› No additional parts/tools for changing from NG to LPG.

Domestic Hot Water Plate Heat Exchanger

Increased number of plates to provide faster hot water production at high efficiency including warm start function.

Pump & Return Hydroblock

Includes filter and flow restrictor
Air vent, drain tap and Internal bypass
Low energy pump

Fan

Wide modulation range
Low noise

Small gas condensing combi boiler

The smallest Combi boiler

(12-18-24 kW)



Lightweight Combi boiler

(28-35 kW)

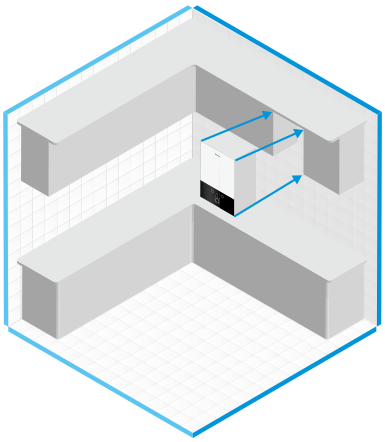


DESIGN AWARD 2018

reddot award 2018
winner

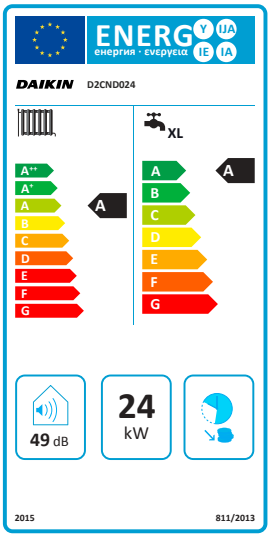
Easy installation & maintenance

The small and lightweight combi boiler guarantees fast installation, minimal maintenance and a flexible system to adapt to various rooms.



High energy class

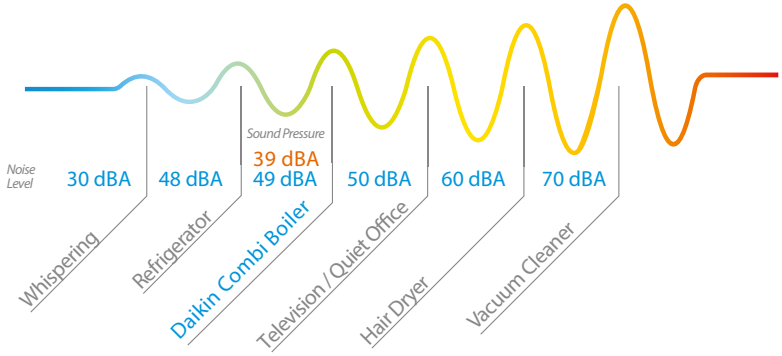
Energy Class A adheres to European ERP Standards



Silence

Sound power: 49 db(A): The sound power is the sound level heard when you are close to the unit. The sound level is similar to heating a dishwasher operating in an adjacent room.

Sound Pressure: 39 db(A): The sound pressure is the sound level heard when you are standing 1 meter from the unit. The sound level is akin to the quiet environment of a library.



Best for your home with compact dimensions



Capacity
T-Model: 12-18-24-28-35 kW
C-Model: 24-28-35 kW



Modulation
The device can drop down to 3 kW with a modulation ratio of 1:8. This ensures minimal energy is consumed during start/stop operations.



Full condensation
Latent heat from the flue gas is obtained and added to the system, leading to both increased efficiency and energy savings.



Comfort mode
The DK combi boiler is designed to provide optimal comfort levels.



Electrical Protection
Safe combi boiler with a protection class of IP5D.



Efficiency
Achieves up to 109% efficiency with full condensation.



Frequency controlled pump
The frequency control monitors power consumption to boost efficiency and save energy.



Quiet
Delivers a very low sound level that reflects the new EU standards.



Thermo regulation
The device runs the system based on data obtained from the outside temperature sensor and room thermostat.



Compact size
Measuring only 0.06 m^3, this slim, state-of-the-art design combines power with aesthetics.



High energy class
Efficiency class according to EU Ecodesign Lot1. (A)



Lambda Gx system
Superior combustion technology delivers unparalleled efficiency and energy savings.



Premix combustion
Achieves an efficient combustion process by creating the perfect combination of air and gas before it reaches the burner.



Lcd display
Eye-catching and user-friendly design.



Double heat exchanger
The device uses a Daikin-specific main exchanger equipped with in-house technology and a stainless steel domestic water exchanger.



Easy maintenance
Details in design allows for easy maintenance.



Online controller via app
Control your indoor unit from any location via app (optional WLAN adapter)

Gas condensing boiler

Supremely compact gas condensing boiler

- Very compact unit and flexible in use: possible to install in nearly all room conditions (inside the house as well as outside) thanks to freeze protection for water piping
- Easy to service: all parts are accessible by only removing the front panel
- High heating efficiency up to 108%
- High modulating range 1:8 : the capacity is adapted based on the required heat load of the house from 3 to 24 kW and 5 to 35 kW
- Combine it with solar heating for even better energy efficiency
- C-model: The combi model means that the boiler has a plate heat exchanger to provide instant domestic hot water.
- T-model (tank): The tank model means that the boiler does not have a plate heat exchanger. Domestic hot water is provided by an external storage tank heated by the boiler.
- A1 model means that the filling loop is internal.
- A4 model means that the filling loop is external.



D2CND



Indoor unit					D2	TND012A4A	TND018A4A	TND024A4A	TND028A4A	TND035A4A	CND024A1A	CND028A4A	CND035A1A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max		kW	2.9/11.2	2.9/17.0	2.9/23.5	4.8/27	4.8/34	2.9/23.5	4.8/27	4.8/34
	Heat input Qn (gross calorific value)	Nom	Min/Max		kW	3.2/12.4	3.2/18.9	3.2/26.1	5.3/30	5.3/37.8	3.2/26.1	5.3/30	5.3/37.8
	Output Pn at 80/60°C	Min/Nom			kW	2.8/10.9	2.8/16.6	2.8/22.8	4.6/26.3	4.6/33.2	2.8/22.8	4.6/26.3	4.6/33.2
	Output Pnc at 50/30°C	Min/Nom			kW	3.1/12.0	3.1/18.0	3.1/24.0	5.2/28.2	5.2/35	3.1/24.0	5.2/28.2	5.2/35
	Water pressure (PMS)	Max			bar	3							
	Water temperature	Max			°C	100							
	Efficiency	Net calorific value			%	98.6	98.2	97.9	98.2		97.9	-	-
	Operation range	Min/Max			°C	30/80							
	Piping connections					19 (3/4") Male							
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max		kW	2.9/11.2	2.9/17.0	2.9/23.5	4.8/29.5	4.8/34	2.9/23.5	4.8/29.5	4.8/34
	Heat input (gross calorific value) Qnw	Nom	Min/Max		kW	3.2/12.4	3.2/18.1	3.2/26.1	5.3/32.7	5.3/37.7	3.2/26.1	5.3/32.7	5.3/37.7
	Domestic hot water threshold				l/min	-			2.5		2.0	2.5	
	Temperature	Factory setting			°C	50							
	Operation range	Min/Max			°C	35/60							
Piping connections					mm	19 (3/4") Male							
Connection diameter for heat flow and return					mm	12.7 (1/2") Male							
Gas	Connection diameter				mm								
	Gas connection diameter				mm	19 (3/4") Male							
	Consumption (G20)		Min/Max		m^3/h	0.31/1.18	0.31/1.80	0.31/2.48	0.511/2.89	0.511/3.63	0.31/2.48	0.511/2.89	0.511/3.63
	Consumption (G25)		Min/Max		m^3/h	0.36/1.38	0.36/2.09	0.36/2.89	0.59/3.32	0.59/4.19	0.36/2.89	0.59/3.32	0.59/4.19
	Consumption (G31)		Min/Max		m^3/h	0.12/0.46	0.12/0.69		0.2/1.1	0.2/1.38	0.12/0.96	0.2/1.1	0.2/1.38
Supply air	Connection				mm	100							
	Concentric					1							
Flue gas	Connection				mm	60							
Space heating	General	ηs (Seasonal space heating efficiency)			%	93							
		Seasonal space heating eff. class				A							
Domestic hot water heating	General	Declared load profile				-					XL		
		ηwh (water heating efficiency)			%	-					85		83
		Water heating energy efficiency class				-					A		
Casing	Colour					Titanium White (Ral9003)							
	Material					Sheet metal			Powder painted galvanised steel plate		Sheet metal	Powder painted galvanised steel plate	
Dimensions	Unit	Height x Width x Depth	Casing		mm	590x400x256			690x440x295		590x400 x256	690x440x295	
Weight	Unit	Empty			kg	27			36		27	37	
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/230			1~/50/230			1~/50/230	
Electrical power consumption	Max.				W	86			92	112	86	92	112
	Standby				W	3.5			2.7		3.5	2.7	

Options

Category	Material Nr		Description
Controls	150042		Outdoor sensor
	DRSLRTESENSAA		Solar Temperature Sensor
	DOTROOMTHEAA		Daikin OT+ room thermostat
	DRGATEWAYAA		Communication gateway
System control - Cascade	DRCASCACONTAA		Cascade Controller (E8.5064 V1)
	DRZONECCONTAA		Zone Controller (E8.1124)
	DRCOCOADPTRAA		CoCo OT-CAN Adapter
	DRCBROOMTHEAA		Lago CAN BUS room thermostat
	DRFLWTESENSAA		Flow temperature sensor (Cascade)
	DRODRTESENSAA		Outdoor temperature sensor (Cascade)
	DRSTKTESENSAA		Storage Tank Temperature Sensor (Cascade)
Flue gas	DRMEEA60100BA		Connector Elbow PP 60/100 + MP(0mm)
	DRDECOP8080BA		Twin Box Adapter 80/80 + MP(0mm)
	DRDECO80125BA		Vert. Conn. 60/100-80/125 + MP(0mm)
Mechanical	DRCOVERPLATAA		Cover plate (12-18-24 kW)
	DRCOVERPLA2AA		Cover plate (28-35 kW)
	DRANTIFREEZAA		Antifreezing set
Valve kit	DRVALVEKIC1AA		Valve Kit C1 - 90° valves
	DRVALVEKIC2AA		Valve Kit C2 - 90° valves
	DRVALVEKIT1AA		Valve Kit T1 - 90° valves
	DRVALVEKIT2AA		Valve Kit T2 - 90° valves
Pump Groups & Other	SAS1 156021		Seperator for mud and magnetit
	IT.DEFANG-TP		Seperator for mud and magnetit
	IT-DEFANG-OT		Seperator for mud and magnetit
	DRUPUMPGRUPAA		Unmixed Pump Group
	DRMPUMPGURPAA		Mixed Pump Group
For service	DRSERVCBOX1AA		Service box

Gas condensing boiler

High efficiency gas condensing boiler for heating and hot water

- High efficiency gas condensing boiler
- Top efficiency gas condensing boiler thanks to labyrinth fin heat exhanger for improved heat exchange
- Low running costs for both heating and hot water thanks to new dual heat exchanger
- Maximum heating comfort and domestic hot water when it is most needed
- Quick, easy and compact installation thanks to our optional pre-assembled B-pack, containing all auxiliary components





EKOMB-AH

Indoor unit					EHOB(G)	12A	18A	12AH	18AH	42AH
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW		3.5/12.5	5.6/18.7	3.5/11.8	5.6/18.7	7.8/42.5
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW		3.9/13.9	6.2/20.8	3.9/13.1	6.2/20.8	7.8/42.5
	Output Pn at 80/60°C	Min/Nom		kW		-/12.2	-/17.8	3.4/11.5	5.4/17.8	-/40.9
	Output Pnc at 50/30°C	Min/Nom		kW		-/-		3.8/12.0	5.9/18.1	8.4/-
	Output at 40/30°C	Min		kW		-		3.8	6.0	-
	Water pressure (PMS)	Max		bar		3	-		3	
	Water temperature	Max		°C		-			90	
	Efficiency	Net calorific value		%		109			107	
	Operation range	Min/Max		°C		30/90				
Gas	Connection	Diameter		mm		15				
	Consumption (G20)	Min/Max		m^3/h		0.36/1.30	0.58/1.94	0.36/1.22	0.58/1.94	0.81/4.41
	Consumption (G25)	Min/Max		m^3/h		0.42/1.50	0.67/2.25	0.42/1.42	0.67/2.25	0.94/5.10
	Consumption (G31)	Min/Max		m^3/h		0.14/0.49	0.22/0.74	0.14/0.47	0.22/0.74	0.31/1.68
Supply air	Connection			mm		100				
	Concentric					1				
Flue gas	Connection			mm		60				
Space heating	General	ηs (Seasonal space heating efficiency)		%		94	93	94	93	92
		Seasonal space heating eff. class				A				
Casing	Colour					White - RAL9010				
	Material					Precoated sheet metal				
Dimensions	Unit	HeightxWidthxDepth	Casing	mm		590x450x240				710x450x240
Weight	Unit	Empty		kg		28				
Power supply	Phase/Frequency/Voltage			Hz/V		-/50/230				
Electrical power consumption	Max.			W		80				135
	Standby			W		2				

Indoor unit					EKOMB(G)	22AH	28AH	33AH	22A	28A	33A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW		5.6/18.7	7.1/23.7	7.2/27.3	5.5/23.3	7.2/29.1	7.5/32.7
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW		6.2/20.8	7.9/26.3	8.0/30.3	6.1/25.9	8.0/32.3	8.3/36.3
	Output Pn at 80/60°C	Min/Nom		kW		-/17.8	-/22.8	7.1/26.3	5.4/22.7	7.1/28.4	7.4/32.1
	Output Pnc at 50/30°C	Min/Nom		kW		-/-		7.8/27.1	5.9/23.8	7.7/31.1	8.2/35.0
	Output at 40/30°C	Min		kW		-		7.7	5.9	7.7	8.2
	Water pressure (PMS)	Max		bar		3	-			3	
	Water temperature	Max		°C		-				90	
	Efficiency	Net calorific value		%		107					109
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW		5.6/22.1	7.1/28.0	-/-	5.5/23.3	7.2/29.1	7.5/32.7
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW		6.2/24.6	7.9/31.1	-/-	6.1/25.9	8.0/32.3	8.3/36.3
	Output	Min/Nom		kW		-/-			5.9/22.7	7.7/28.4	8.2/32.1
	Domestic hot water threshold			l/min		1.5		-		1.5	
	Water flow	Rate	Nom	l/min		10.0 (1) / 6.0(2)	12.5 (1) / 7.5(2)	-	10.0 (1) / 6.0(2)	12.5 (1) / 7.5(2)	15.0 (1) / 9.0(2)
	Temperature	Factory setting		°C		60					
	Operation range	Min/Max		°C		40/65				-/-	
Gas	Connection	Diameter		mm		15		-		15	
	Consumption (G20)	Min/Max		m^3/h		0.58/2.29	0.74/2.46	-/-	0.57/2.42	0.75/3.02	0.78/3.39
	Consumption (G25)	Min/Max		m^3/h		-/-			0.66/2.80	0.86/3.50	0.80/3.93
	Consumption (G31)	Min/Max		m^3/h		0.22/0.87	-/-		0.22/0.92	0.28/1.15	0.30/1.29
Supply air	Connection			mm		100		-		100	
	Concentric					-				1	
Flue gas	Connection			mm		60	-			60	
Space heating	General	ηs (Seasonal space heating efficiency)		%		93					94
		Seasonal space heating eff. class				A					
Domestic hot water heating	General	Declared load profile				L	XL		L	XL	
		ηwh (water heating efficiency)		%		84	87		84	87	-
		Water heating energy efficiency class				A					
Casing	Colour					White - RAL9010		-	White - RAL9010		
	Material					Precoated sheet metal		-	Precoated sheet metal		
Dimensions	Unit	Height x Width x Depth	Casing	mm		590x450x240	650x450x240	-x-x-	590x450x240	650x450x240	710x450x240
Weight	Unit	Empty		kg		30	33	-	30	33	36
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/230					
Electrical power consumption	Max.			W		80					
	Standby			W		2					

(1) Setpoint 40°C (2) Setpoint 60°C

Options

Type		Material name	Condensing boilers							
			EKOMB*					EHOB*		
			Combi 22kW TOP Grade	Combi 22kW HIGH Grade	Combi 28kW TOP Grade	Combi 28kW HIGH Grade	Combi 33kW	H/O 12kW	H/O 18 kW	H/O 42kW
Controls	Rf-wlan converter	EKRFLAN1A	•	•	•	•	•	•	•	•
	Dongle set	EKDS1A	•	•	•	•	•	•	•	•
Installation	Cover plate 35	EKCP1A	•	•	•	•	•	•	•	•
	Solar water heater connection set	EKSH1A	•	•	•	•	•	•	•	•
Sensor	Outdoor sensor	EKOSK1A	•	•	•	•	•	•	•	•
Valve	Valve kit (IT, ES, CZ, GR, PL, PT)	EKVK4A	•	•	•	•	•	•	•	•
	Valve kit (DE)	EKVK5A						•	•	
	Valve kit (DE)	EKVK6A	•	•	•	•	•			
	Valve kit 3-way	EK3WV1A	•	•	•	•	•	•	•	•
B-pack	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJS1A	•	•				•	•	
	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJM1A			•	•				
	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJL1A					•			•
	B-pack for combi (FR, BE)	EKFJS2A	•	•						
	B-pack for combi (FR, BE)	EKFJM2A			•	•				
	B-pack for combi (FR, BE)	EKFJL2A					•			•
	B-pack for combi (UK)	EKFJS3A	•	•						
	B-pack for combi (UK)	EKFJM3A			•	•				
	B-pack for combi (UK)	EKFJL3A					•			
	B-pack for combi (DE)	EKFJS4A						•	•	
	B-pack for combi (DE)	EKFJS6A	•	•						
	B-pack for combi (DE)	EKFJM6A			•	•				
	B-pack for combi (DE)	EKFJL6A					•			
Propane set		EKHY075787	•							
		EKPS075867				•	•			•
		EKPS075877	•							
		EKPS075917						•		
Conversion set		EKPS076197						•		
		EKPS076207	•						•	
		EKPS076217		•	•				•	
		EKPS076227		•			•			•
Flue gas	Flue gas non return flap (flue gas cascade)	EKFGF1A	•	•	•	•	•	•	•	•
	Horizontal straight flue terminal (low profile) (UK)	EKFGP1A	•		•		•			
Others	Concentric connection (Ø 80/125)	EKHY090717								
	Eccentric connection (Ø 80)	EKHY090707								
	Adaptor set concentric 60/100	EKAS1A	•	•	•	•	•			

GCU compact

Combines modern gas condensing technology with a thermal store



Why choose the Daikin GCU compact

The GCU compact unit combines modern gas condensing technology with a pressure less thermal store. Customers achieve the highest heating comfort, maximum water hygiene and a small installation footprint.

Multifaceted
Combine with solar and another heat source

Highest hygiene
Complies with superior standards for water sanitation

Connectivity
Features a wireless connection

High DHW Tapping Profile
(3xx = L) and (5xx = XL)



Attractive design

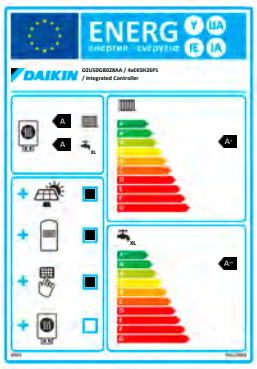
Compact measurements
GCU compact 3xx: 595 x 615 x 1896 mm
GCU compact 5xx: 790 x 790 x 1896 mm

High efficiency
Delivers over 107% more energy efficiency with ISM/Smart Start Function

Easy installation and service

Lambda Gx
Fully electronic and accessible gas-air combination

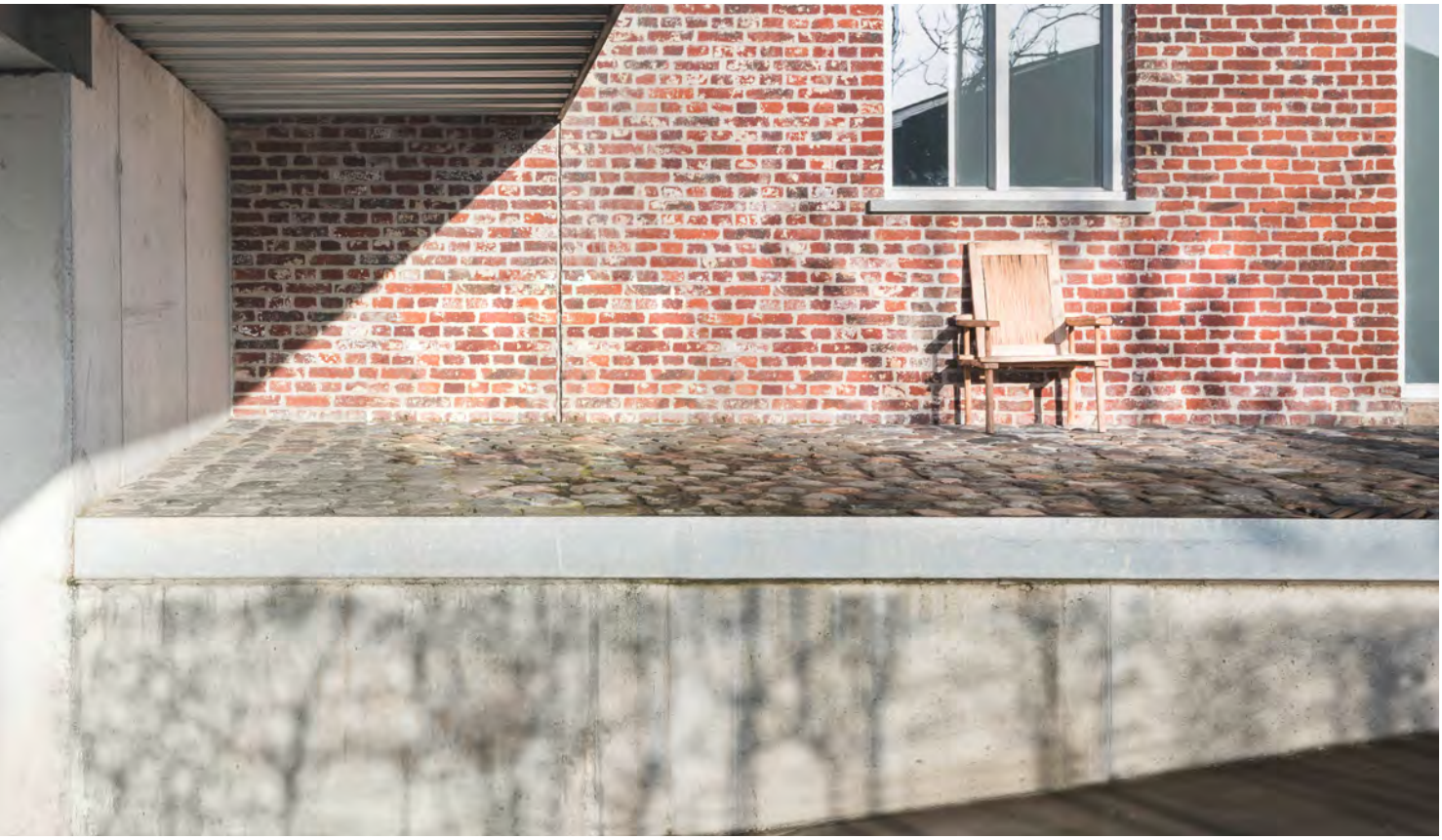
Energy efficiency
All GCU compact models reach the energy label A



For example: D2U50GB028AA / 4xEKSH26P1 / Integrated controller

Benefits of the GCU compact

› Thermal store with hygienic fresh water technology
› Space-saving design: gas boiler and hygienic thermal store are combined in one device
› Future-proof and flexible: direct combination with a solar system is possible and can be added any time
› Highest heating comfort is customised for your home
› Power output 500 kW to 28 kW through Intelligent Storage Management (ISM)



GCU Technologies



Health
Integrated thermal storage with hygienic fresh water technology



More space for living
Small footprint while combining a condensing boiler and a thermal store



Fit for the future
Hybrid system. The efficient thermal store can be used with additional heat generators

GCU compact

Combining modern gas condensing technology with a thermal store

- Space-saving gas condensing boiler with integrated heat / solar storage
- Auto Adaptive Lambda Gx combustion technology for all gas types
- Universal use thanks to intelligent store management and a power output of 0.5 - 28 kW
- High heat and DHW comfort with integrated ECH$_2$O Thermal store: fresh water hygiene technology
- Easy integration of thermal solar and a further additional heat generator
- Note: Solar controller (shown on picture) is an option, not standard on boiler

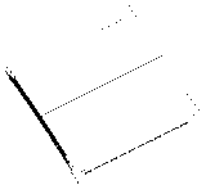




					GC	2U30GC015A	2U30GC020A	2U50GC015A	2U50GC020A	2U50GC024A	2U50GC028A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW		3.0/15.0	3.0/20.0	3.0/15.0	3.0/20.0	4.0/24.0	4.0/28.0
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW		3.3/16.7	3.3/22.2	3.3/16.7	3.3/22.2	4.4/26.6	4.4/31.1
	Output Pn at 80/60°C	Min/Nom		kW		2.9/14.6	2.9/19.5	2.9/14.6	2.9/19.5	3.9/23.4	3.9/27.2
	Output Pnc at 50/30°C	Min/Nom		kW		3.2/15.7	3.2/20.9	3.2/15.7	3.2/20.9	4.3/25.0	4.3/29.1
	Water pressure (PMS)	Max		bar				3			
	Water temperature	Max		°C				90			
	Operation range	Min/Max		°C				10/90			
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW		3.0/15.0	3.0/20.0	3.0/15.0	3.0/20.0	4.0/24.0	4.0/28.0
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW		3.3/16.7	3.3/22.2	3.3/16.7	3.3/22.2	4.4/26.6	4.4/31.1
	Output	Min/Nom		kW		3.0/15.0	3.0/20.0	3.0/15.0	3.0/20.0	4.0/24.0	4.0/28.0
	Temperature	Factory setting		°C				58			
	Operation range	Min/Max		°C				10/85			
Piping connections	Cold in-Hot out			Inch				G 1" (male)			
Gas	Connection	Diameter		mm				20			
	Consumption (G20)	Min/Max		m^3/h		0.32/1.59	0.32/2.11	0.32/1.59	0.32/2.11	0.42/2.54	0.42/2.96
	Consumption (G25)	Min/Max		m^3/h		0.35/1.75	0.35/2.33	0.35/1.75	0.35/2.33	0.47/2.80	0.47/3.26
	Consumption (G31)	Min/Max		m^3/h		0.16/0.62	0.16/0.82	0.16/0.62	0.16/0.82	0.27/0.98	0.27/1.15
Supply air	Connection			mm				100			
	Concentric							1			
Flue gas	Connection			mm				60			
Water circuit	Piping connections			Inch				G 1" (female)			
Space heating	General	ηs (Seasonal space heating efficiency)		%		91	92	91	92	92	92
		Seasonal space heating eff. class						A			
Domestic hot water heating	General	Declared load profile				L		XL		XL	
		ηwh (water heating efficiency)		%		81	81	89	82	84	82
		Water heating energy efficiency class						A			
Casing	Colour							Traffic white (RAL9016) / Dark grey (RAL7011)			
	Material							-			
Dimensions	Unit	HeightxWidthxDepth	Casing	mm		1,895x595x615		1,895x790x790		1,895x790x790	
Weight	Unit	Empty		kg		76		102		104	
Power supply	Phase/Frequency/Voltage			Hz/V				1~/50/230			
Electrical power consumption	Max.			W		76	98	76	98	104	108
	Standby			W				3			
Drain-back solar	Piping connections	solar-flow		Inch				G 1" (female)			

					GB	2U30GB015A	2U30GB020A	2U50GB015A	2U50GB020A	2U50GB024A	2U50GB028A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW		3.0/15.0	3.0/20.0	3.0/15.0	3.0/20.0	4.0/24.0	4.0/28.0
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW		3.3/16.7	3.3/22.2	3.3/16.7	3.3/22.2	4.4/26.6	4.4/31.1
	Output Pn at 80/60°C	Min/Nom		kW		2.9/14.6	2.9/19.5	2.9/14.6	2.9/19.5	3.9/23.4	3.9/27.2
	Output Pnc at 50/30°C	Min/Nom		kW		3.2/15.7	3.2/20.9	3.2/15.7	3.2/20.9	4.3/25.0	4.3/29.1
	Water pressure (PMS)	Max		bar				3			
	Water temperature	Max		°C				90			
	Operation range	Min/Max		°C				10/90			
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW		3.0/15.0	3.0/20.0	3.0/15.0	3.0/20.0	4.0/24.0	4.0/28.0
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW		3.3/16.7	3.3/22.2	3.3/16.7	3.3/22.2	4.4/26.6	4.4/31.1
	Output	Min/Nom		kW		3.0/15.0	3.0/20.0	3.0/15.0	3.0/20.0	4.0/24.0	4.0/28.0
	Temperature	Factory setting		°C				58			
	Operation range	Min/Max		°C				10/85			
Piping connections	Cold in-Hot out			Inch				G 1" (male)			
Gas	Connection	Diameter		mm				20			
	Consumption (G20)	Min/Max		m^3/h		0.32/1.59	0.32/2.11	0.32/1.59	0.32/2.11	0.42/2.54	0.42/2.96
	Consumption (G25)	Min/Max		m^3/h		0.35/1.75	0.35/2.33	0.35/1.75	0.35/2.33	0.47/2.80	0.47/3.26
	Consumption (G31)	Min/Max		m^3/h		0.16/0.62	0.16/0.82	0.16/0.62	0.16/0.82	0.27/0.98	0.27/1.15
Supply air	Connection			mm				100			
	Concentric							1			
Flue gas	Connection			mm				60			
Water circuit	Piping connections			Inch				G 1"			
Space heating	General	ηs (Seasonal space heating efficiency)		%		91	92	91	92	92	92
		Seasonal space heating eff. class						A			
Domestic hot water heating	General	Declared load profile				L		XL		XL	
		ηwh (water heating efficiency)		%		81	81	89	82	84	82
		Water heating energy efficiency class						A			
Casing	Colour							Traffic white (RAL9016) / Dark grey (RAL7011)			
	Material							-			
Dimensions	Unit	HeightxWidthxDepth	Casing	mm		1,895x595x615		1,895x790x790		1,895x790x790	
Weight	Unit	Empty		kg		78		104		106	
Power supply	Phase/Frequency/Voltage			Hz/V				1~/50/230			
Electrical power consumption	Max.			W		76	98	76	98	104	108
	Standby			W				3			
Drain-back solar	Piping connections	solar-flow		Inch				G 1"			

Gas condensing/solar combination, GCU compact

Regulation accessories		Type	Order No.
	**Room controller** Convenience controller with wall-mounting for use as a) A remote control (external equipment controller) b) Mixer unit (additional or standalone) c) Room thermostat for heat exchanger	RoCon U1	15 70 34
	**Mixer module** Controller for mixer valve with speed-controlled high-efficiency pump including mixer circuit sensor a) in combination with an equipment controller (RoCon B1). Mixer parameters adjustable via the heat generator. b) in combination with room controller (RoCon U1) 1. can be used as a standalone solution 2. can be integrated in the system via BUS	RoCon M1	15 70 68
	**Outdoor temperature sensor for RoCon convenience regulation** in conjunction with the mixer controller RoCon M1 when it is used as a zone or as a stand-alone solution	RoCon OT1	15 60 70
	**Gateway** for coupling the controller to the Internet for remote control the heat source via Mobile Phones (APP) .	RoCon G1	15 70 70 (Daikin brand)
	**Gateway** for coupling the controller to the Internet for remote control the heat source via Mobile Phones (APP) .	RoCon G1	15 70 56 (Rotex brand)
	**Flue-gas kit GCU compact** Double-walled connection set of 2x45° elbows with connection extender from DN60 / 100 to DN80 / 125.	Set GCU1	15 50 79.17
	**Double-walled test adapter DN 60/100** Accessories if no standard flue gas connection (Set GCU 1) is used.	D6 PA	24 60 11
	**Single-walled test adapter DN 60** Accessories for room-air independant operation if no standard flue gas connection (Set GCU 1) is used.	E6 PA	24 60 12
	**Pump Group with mixer** For a mixed heating circuit. Ready to plug in, in the thermal insulation case, with pressure controlled high-efficiency circulation pump, motor mixer, stops valves and temperature displays.	15 60 75	
	**Pump group without mixer** For a mixed heating circuit. Ready to plug in, in the thermal insulation case, with PWMcontrolled high-efficiency circulation pump, motor mixer, stops valves and temperature displays.	15 60 77	
	Fittings kit for mixer group MK1/MK2 1" female thread x 1 1 / 2 " flat-sealing.	VMK1	15 60 53
	**Convection brake** To prevent circulation under gravity in Sanicube water circuits with Drain-Back, 2 pcs., suitable up to 95 °C, for installation in any tank-side heat exchanger connections except pressure solar heat exchanger	SKB	16 50 70
	**Sludge and magnetite separator** Compact sludge separator with drain cock and thermal insulation. Input G1-IG (union nut), outlet G1-IG.	SAS1	15 60 21

Note: To avoid gravity circulation, in water circuits connected to the storage tanks, the installation of circulation brakes (for example, type SKB) is recommended. Please order separately if required.

A2 oil condensing boiler
Bringing oil heating into the 21st century

Higher efficiency

Daikin's oil condensing technology is a worthwhile investment

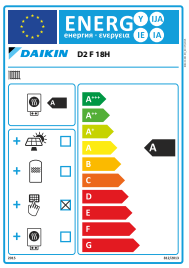
Choosing the right boiler for replacing your oil heating system is a long-lasting decision.. Over the years, the cost of fuel will largely exceed the boiler's initial purchase price.Therefore, this is where the A2 can help you making the biggest savings.

Advanced oil heating system

The modern A2 oil boiler will fit seamlessly into your home. Its condensing technology minimizes emissions, is very easy to operate and converts fuel into available heat with virtually no losses. The higher efficiency reduces oil consumption and allows for installing smaller oil storage tanks, which are fitted with odour barriers.

The A2 reaches the maximum efficiency labels

All Daikin products are tested and proven to meet criteria set by the EU Ecodesign Directive.
We guarantee our individual products and packaged solutions offer maximum convenience, while upholding the highest safety standards.



Best-in-class modulation range

A boiler with a wide modulation range

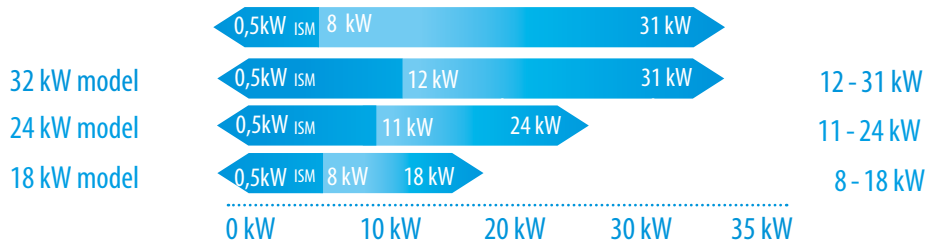
The heat demand of a building varies widely depending on weather conditions and utilisation patterns. The modulating A2 constantly adjusts its output in line with demand. This ensures optimum energy utilisation. It has a particularly large modulation range of 1:2,5. This can even be broadened to 1:64.

Go further with Intelligent Store Management

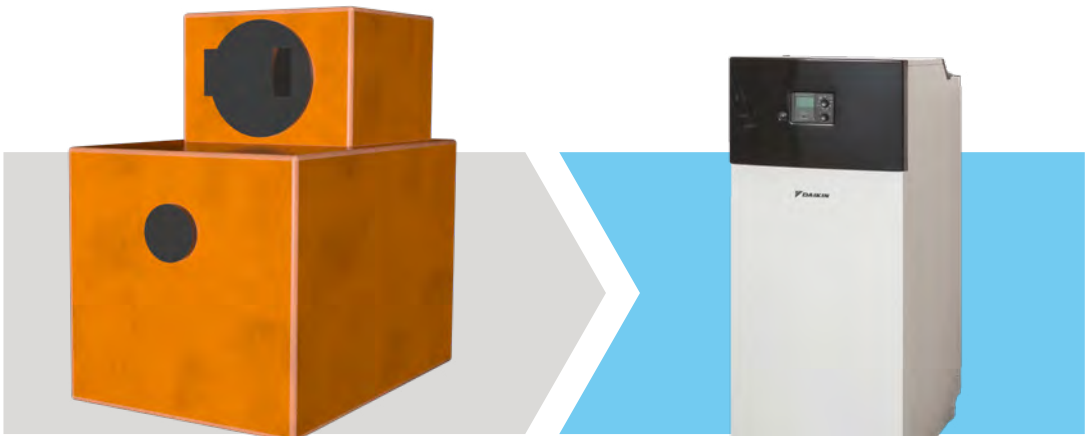
The A2 can deliver 0-100 percent output to meet demand and provide continuous heat distribution in combination with Daikin's thermal stores. The thermal store volume serves as an active buffer also for space heating. Further optimisation is possible with ISM: even the lowest heat requirements of 500 watts or more can be covered, while producing as much hot water as you need. Frequent on/off switches are wavoided by optimising the oil condensing boiler's burner runtimes. Fewer burner starts mean much lower emissions of harmful substances and increased energy efficiency.

With this optimisation, the A2 is well able to meet the steadily increasing need for a constant and immediate supply of hot water – especially with the trend for ever more luxurious bathrooms and multiple shower units in our homes, but decreasing heating requirements as building insulation improves.

Capacities Range









Fit for any replacement

The A2 is ideally suited to replace older boilers, thanks to the great flexibility it offers when integrated into existing systems, plus its low weight and compact dimensions.

How you can benefit from the Daikin A2 oil condensing boiler

Outstanding efficiency

- Energy saving condensing technology
- Optimum heat transfer due to innovative flue gas turbulators in the boiler body

Space saving

- Small installation area of 0.42 m²
- Oil tanks designed to site safely beside the boiler

Innovative technology

- Next generation modulating burner (1:2.5)
- ISM offers modulation of 1:64 from 0,5 to 32 kW and intelligent storage management
- Intuitively operated electronic control unit
- Ready for bio-oil (B10) and all commercially available fuel oils

Meets your needs

- Ideal for replacing an existing oil boiler
- Straightforward chimney refurbishment
- Easy maintenance
- Odour-proof flexible pipes prevent the smell of fuel oil
- If used with a Daikin thermal store, possibility of direct combination with our solar thermal system or woodburning stove with back boiler

D9HA2-A

Oil condensing boiler

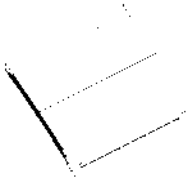
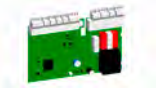


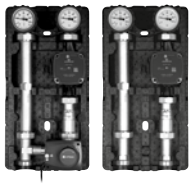
D9HA2-A

Indoor unit					D9HA2	9HA2032A	9HA2018A	9HA2024A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max		kW	12.8 /32.2	8.5 /18.2	10.9 /24.7
	Heat input Qn (gross calorific value)	Nom	Min/Max		kW	13.6 /34.1	9.0 /19.3	11.6 /26.2
	Output Pn at 80/60°C	Min/Nom			kW	12.5 /31.4	8.3 /17.7	10.6 /24.1
	Water pressure (PMS)	Max			bar		3	
	Water temperature	Max			°C		85	
Supply air	Connection				mm		125	
	Concentric						1	
Space heating	General	ηs (Seasonal space heating efficiency)			%	93	91	92
		Seasonal space heating eff. class					A	
Casing	Colour						White + Black	
	Material						Aluminium	
Dimensions	Unit	H x W x D	Casing		mm		1,360x606x754	
Weight	Unit	Empty			kg	111	97	102
Power supply	Phase/Frequency/Voltage				Hz/V		1~/50/230	



Options for D9HA2-A

Accessories		Order No.
	**Room controller RoCon U1** Convenience controller with wall-mounting for use as: a) A remote control (external equipment controller) b) Mixer unit (additional or standalone) c) Room thermostat for heat exchanger	15 70 34
	**Mixer module RoCon M1** Controller for mixer valve with speed-controlled high-efficiency pump including mixer circuit sensor a) in combination with an equipment controller (RoCon B1). Mixer parameters adjustable via the heat generator. b) in combination with room controller (RoCon U1) 1. can be used as a standalone solution 2. can be integrated in the system via BUS	15 70 68
	**Outdoor temperature sensor RoCon OT1 for RoCon convenience regulation** in conjunction with the mixer controller RoCon M1 when it is used as a zone or as a stand-alone solution.	15 60 70
	**Gateway RoCon G1** for coupling the controller to the Internet for remote control the heat source via Mobile Phones (APP)	15 70 56
	**Storage tank sensor for RoCon DT1 comfort control** Suitable for all A2 oil condensing boilers	15 60 68
	**Mixing PCB** Can be placed inside the boiler PCB. Same functions as external mixing module but without plastic cover (PCB only).	DRMIXINGPCBA
	**Flue gas Kit** To connect flue gas outlet on the bottom side of the boiler	DRFLUEGAKITA
	**Valve Kit** Content: 3WV with internal piping/connection valves to install inside housing To connect DHW storage tank	DRVALVEKITA2A
	**Smart start kit** Content: 2 mixing valves with internal piping/connection valves, flow sensor, additional temperature sensor. Kit can be installed inside housing. In combination with storage tank, this valve kit provides following functions: Heating support, smartstart, electronical bypass, flow control, DHW/CH, thermal energy metering**.**	DRSMASTAKITA
	**Internal expansion vessel** Content: 12 L expansion vessel including piping and holder to Intsall kit inside casing	DREXPAVES12A
	**Sludge and magnetite separator SAS1** Compact sludge separator with drain cock and thermal insulation. Input G1-IG (union nut), outlet G1-IG.	15 60 21
	**Water purification system Bambini** With mounting bracket and backflow preventer. For demineralisation of tap water. Fields of application are heating water, cooling water, battery water and rinsing technology. Operating pressure 2-8.6 bar, temperature range 4-30°C. For approx. 350L system volume. Not suitable for drinking water purification.	15 30 47
	Replacement cartridge EK Bambini Usable for water purification system Bambini	15 30 48
	**Cleaning brush**	DRCLEANBRUSA

	**Condensate box** Not needed in all cases. Depends on local regulation and used oil type. Based on that free decision who will use. Option, but will fit inside the unit	DRCONDENBOXA
	Material refill: Granulate	DRCONDENREFA
	**Oil-bleeder TOP 2** with integrated filter (multiple filter) and block valve. Working overpressure max 0,7 bar, filter 20-35 µm, return flow max. 120 L/h.	15 60 79
	**Pump group** For a mixed and unmixed heating circuit. Pre-assembled, leakage tested and thermally insulated assembly group. Incl. temperature indicator and arrangeable gravity brake. With Grundfoss pump UPM 3 hybrid 25 - 70/80. Pin G1, without PWM-cable. **Pump group with mixer (DRMPUMPGURPAA)** **Pump group without mixer (DRUPUMPGURPAA)**	 15 60 75 15 60 77
	Screwing set for the pump group 1 " IG x 1 1 / 2 " flat sealing	15 60 53
	**Heating circuit distributor 2-fold with integrated hydraulic diverter** A distributor which combines the function of a hydraulic diverter and a distributor. Applied in heating and air-conditioning systems, it enables the regulation of different lines. Separate lateral connections, incl. wall bracket and performed sound insulation. Combinable with pump group 15 60 75 or 15 60 77	15 60 78
	**Hydraulic separator HW2500** Low loss header HW2500 with performed insulation and drain valve, for vertical installation, input/output G1 IG (DN 25), with union nut, flow-rate up to 2,500L. Function: - Hydraulic separation - Ventilation - Sludge separation - Detachement of magnetic particles	15 60 25
	**Sludge and magnetite separator SAS2** Compact sludge separator with drain cock and thermal insulation. Input G1-IG.	15 60 23
	**Hydraulic diverter HWC - DN 125 for up to 3 heat generators** Consisting of DN 125 round pipe sub-divided into four zones (using perforated separator discs, length approx. 1550mm), equipped with 8 x heating circuit connections 1“ male thread, and a 1 x 1/2“ sleeve and standing foot. Max. permissible operating pressure: 6 bar, max. permissible temperature: 110 °C.	17 29 00
	**Thermal insulation WHWC for hydraulic diverter** Thermal insulation in accordance with EnEV, consisting of 60 mm PUR foam in a galvanised sheet steel casing.	17 29 01

	**VA-Oil feeding line** PEX-AL compound pipe as oil supply line approved by the building supervision authorities in the DIBT test. Test mark of the building supervision authority: Z-40.23-331. Thick-walled PEX inner piper with butt-welded alumninium covering and silver-grey PE-external layer. Due to the aluminium covering 100% diffusion tightness. Neutral to heating oil, prevents degradation in the heating oil. Type of delivery: Ring coil packaged in box.		
	VA Oil pipe, Ø 12 x 3	60 m	17 06 31
	**Screw connection VA-Oil** To connect the oil feed pipe VA-oil to the extraction armature and to the oil filter. Clamping ring screwed fitting made of brass or parts in contact with oil made of stainless steel. Suitable for VA-Oil pipe Ø 12 x 3, connecting thread 3 / 8“ male thread. Test mark of the building supervision authority: Z-40.23-331		
	Screw connection VA-Oil	10 pc.	17 80 13
	Connect VA-Oil 10 m PEX-AL compound pipe as an oil-conveying line with two screwed connection fittings 12 x 3 - 3 / 8“ male thread	10 m	17 06 32





Thermal stores and tanks

Hot water heating installation solutions

Why choose a thermal store or domestic hot water tank

Whether you only need hot water or you want to combine your hot water with solar systems, we offer you the best solutions to the highest levels of comfort, energy efficiency and reliability.



Thermal store



Stainless steel tank

Domestic hot water tanks

Stainless steel tanks

Comfort

- EKHTS-AC: available in 200 and 260l in stainless steel
- EKHWS(U)-B: available in 150, 200 and 300 litres in stainless steel
- EKHWS-B: available for 400V applications
- EKHWS(U)-D: available in 150, 180, 200, 250 and 300 litres in stainless steel

Efficiency

- High-quality insulation keeps heat loss to a minimum
- Efficient temperature heating: from 10°C to 50°C in only 60 minutes
- Available as an integrated solution or separate tank

Reliability

- At necessary intervals, the unit can heat up water up to 60°C to prevent the risk of bacteria growth

The ECH$_2$0 thermal store range

ECH$_2$O thermal store: additional hot water comfort

Combine your monobloc with a thermal store to achieve the ultimate comfort at home.

› Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
› Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
› Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
› Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

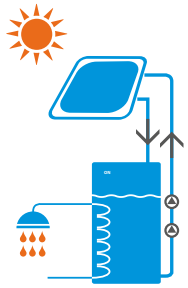
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

Efficiency

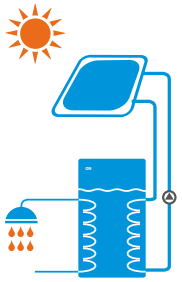
› Fit for the future: maximise renewable energy sources
› Intelligent Heat Storage Management: ensures continuous heating during defrost mode, and uses stored heat for space heating
› High-quality insulation keeps heat loss to a minimum

Reliability

› Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no water loss through the safety valve



Drain-back solar system



Pressurised solar system

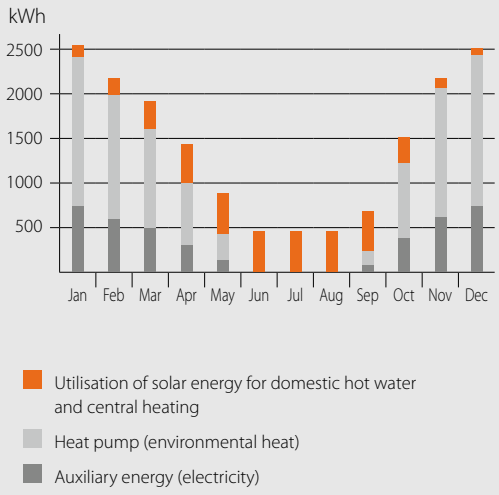
Pressureless (drain-back) solar system

› The solar collectors are only filled with water when sufficient heating is provided by the sun
› The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
› After filling, water circulation is maintained by the remaining pump

Pressurised solar system

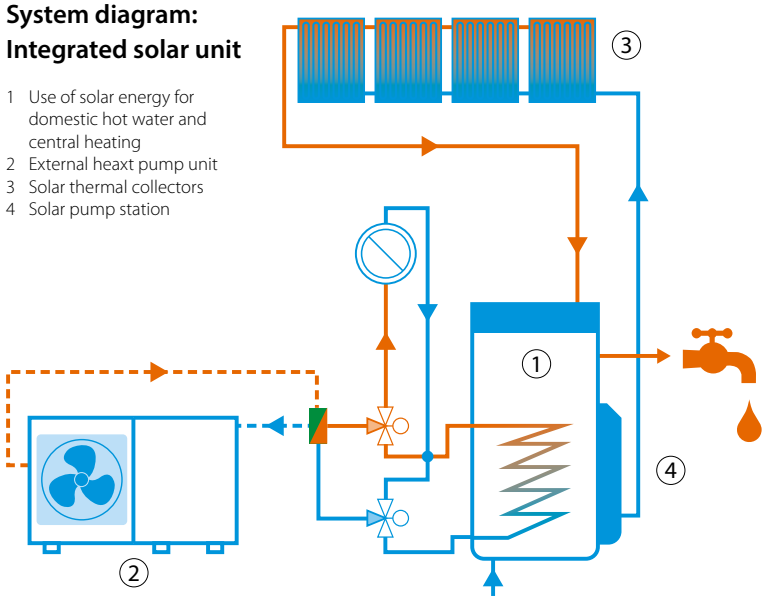
› System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
› System is pressurised and sealed

Monthly energy consumption of an average detached house



System diagram: Integrated solar unit

1 Use of solar energy for domestic hot water and central heating
2 External heaxt pump unit
3 Solar thermal collectors
4 Solar pump station



Thermal store

Plastic domestic hot water tank with solar support

- The thermal store EKHWP* is designed to work with Daikin Altherma heat pumps
- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options
- Available in 300 and 500 liters





Accessory				EKHWP	300B	500B	300PB	500PB
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)			
	Material				Impact resistant polypropylene			
Dimensions	Unit	Width	mm		595	790	595	790
		Depth	mm		615	790	615	790
		Height	mm		1,650	1,660	1,650	1,660
Weight	Unit	Empty	kg		58	82	58	89
Tank	Water volume		l		294	477	294	477
	Material				Polypropylene			
	Maximum water temperature		°C		85			
	Insulation	Heat loss	kWh/24h		1.5	1.7	1.5	1.7
	Energy efficiency class				B			
	Standing heat loss		W		64	72	64	72
	Storage volume		l		294	477	294	477
Heat exchanger	Domestic hot water	Quantity			1			
		Tube material			Stainless steel (DIN 1.4404)			
		Face area	m^2		5.600	5.800	5.600	5.900
		Internal coil volume	l		27.1	28.1	27.1	28.1
		Operating pressure	bar		6			
		Average specifc thermal output	W/K		2,790	2,825	2,790	2,825
	Charging	Quantity			1			
		Tube material			Stainless steel (DIN 1.4404)			
		Face area	m^2		3	4	3	4
		Internal coil volume	l		13	18	13	18
		Operating pressure	bar		3			
		Average specifc thermal output	W/K		1,300	1,800	1,300	1,800
	Pressurised solar	Average specifc thermal output	W/K		-		390.00	840.00
	Auxiliary solar heating	Tube material			-	Stainless steel (DIN 1.4404)	-	Stainless steel (DIN 1.4404)
		Face area	m^2		-	1	-	1
		Internal coil volume	l		-	4	-	4
		Operating pressure	bar		-	3	-	3
		Average specifc thermal output	W/K		-	280	-	280

Domestic hot water tank

Plastic domestic hot water tank with solar support

- The thermal store EKHWC* is designed to work with a gas/oil boiler
- The thermal store EKHWD* is designed to work with boilers as well as with Daikin Altherma High Temperature
- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options
- Available in 300 or 500 liters



B

85°C

Accessory				EKHWDH 500B	EKHWDB 500B	EKHWCH 300B	EKHWCH 300PB	EKHWC 500B	EKHWCH 500B	EKHWCH 500PB	EKHWCB 500B	EKHWCB 500PB
Casing	Colour			Traffic white (RAL9016) / Dark grey (RAL7011)								
	Material			Impact resistant polypropylene								
Dimensions	Unit	Width	mm	790		595		790				
		Depth	mm	790		615		790				
Weight	Unit	Empty	kg	73	76	51	53	69	74	79	80	86
Tank	Water volume		l	477		294		477				
	Material			Polypropylene								
	Maximum water temperature		°C	85								
	Insulation	Heat loss	kWh/24h	1.7		1.5		1.7				
	Energy efficiency class			B								
	Standing heat loss		W	72		64		72				
	Storage volume		l	477		294		477				
Heat exchanger	Domestic hot water	Quantity		1								
		Tube material		Stainless steel (DIN 1.4404)								
		Face area	m^2	4.900		3.800		4.900				
		Internal coil volume	l	23.8		18.6		23.8			25.8	
		Operating pressure	bar	6								
		Average specifc thermal output	W/K	2,580		1,890		2,450			2,580	
	Charging	Quantity		1				-	1			
		Tube material		Stainless steel (DIN 1.4404)				-	Stainless steel (DIN 1.4404)			
		Face area	m^2	2				-	2			
		Internal coil volume	l	11		9		-	9			
		Operating pressure	bar	3				-	3			
		Average specifc thermal output	W/K	1,030		920		-	1,030			
	Auxiliary solar heating	Tube material		-				Stainless steel (DIN 1.4404)				
		Face area	m^2	-				1				
		Internal coil volume	l	-				4				
		Operating pressure	bar	-				3				
		Average specifc thermal output	W/K	-				350				

Domestic hot water tank

Stainless steel domestic hot water tank

› EKHTS(U)-AC: available in 200 and 260l in stainless steel
› EKHWS(U)-B: available in 150, 200 and 300 litres in stainless steel
› EKHWS-B: available for 400V applications
› EKHWS(U)-D: available in 150, 180, 200, 250 and 300 litres in stainless steel



EKHTS(U)-AC EKHWS(U)-B EKHWS(U)-D



Accessory				EKHTS(U)	200AC	260AC
Casing	Colour				Metallic grey	
	Material				Galvanised steel (precoated sheet metal)	
Dimensions	Unit	Height	Integrated on indoor unit	mm	2,010	2,285
		Width		mm	600	
		Depth		mm	695	
		Height		mm	1,470	1,745
Weight	Unit	Empty		kg	70	78
Tank	Water volume			l	200	260
	Material				Stainless steel (EN 1.4521)	
	Maximum water temperature			°C	75	
	Insulation	Heat loss		kWh/24h	12.0	15.0
	Energy efficiency class				B	
	Standing heat loss			W	50	63
	Storage volume			l	200	260
Heat exchanger	Quantity				1	
	Tube material				Duplex steel (EN 1.4162)	
	Face area			m^2	1.560	
	Internal coil volume			l	7.5	

Accessory			EKHWS	(U)150B3V3	(U)200B3V3	(U)300B3V3	200B3Z2	300B3Z2
Casing	Colour			Neutral white				
	Material			Epoxy-coated mild steel				
Dimensions	Unit	Width	mm	580				
		Depth	mm	580				
		Height	mm	900	1,150	1,600	1,150	1,600
Weight	Unit	Empty	kg	37	45	59	45	59
Tank	Water volume		l	150	200	285	200	285
	Material			Stainless steel (DIN 1.4521)				
	Maximum water temperature		°C	85				
	Insulation	Heat loss	kWh/24h	1.55	1.77	2.19	1.77	2.19
	Energy efficiency class			C				
	Standing heat loss		W	65	74	91	74	91
	Storage volume		l	150	200	285	200	285
Heat exchanger	Quantity			1				
	Tube material			Duplex steel LDX 2101				
Booster heater	Capacity		kW	3				
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230			2~/50/400	

Accessory				EKHWS(U)	150D3V3	180D3V3	200D3V3	250D3V3	300D3V3
Casing	Colour				Neutral white				
	Material				Epoxy coated steel / Epoxy-coated mild steel				
Dimensions	Unit	Height	Tank	mm	1,000	1,164	1,264	1,535	1,745
Weight	Unit	Empty		kg	45	50	53	58	63
Tank	Water volume			l	145	174	192	242	292
	Material				Stainless steel (EN 1.4521)				
	Maximum water temperature			°C	75				
	Insulation	Heat loss		kWh/24h	1.1	1.2	1.3	1.4	1.6
	Energy efficiency class				B				
	Standing heat loss			W	45	50	55	60	68
	Storage volume			l	145	174	192	242	292
Heat exchanger	Domestic hot water	Quantity			1				
		Tube material			Stainless steel (EN 1.4521)				
		Face area		m^2	1.050	1.400	1.800		
		Internal coil volume		l	4.9	6.5	8.2		
		Operating pressure		bar	10				
Booster heater	Capacity			kW	3				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230				



Solar
maximising renewable energy

Why choose a Daikin solar panel

ECH$_2$O

Daikin's solar panels are designed to complement a variety of heating systems to garner more renewable energy to deliver hot water to your home.

Comfort

› Flexible solar system for pressureless (drain-back) and pressurised solar systems
› Hot tap water and heating support generated by solar energy
› Highly efficient flat solar panels that are available in 3 installation options:
- On roof
- In-roof
- Flat roof

Energy efficiency

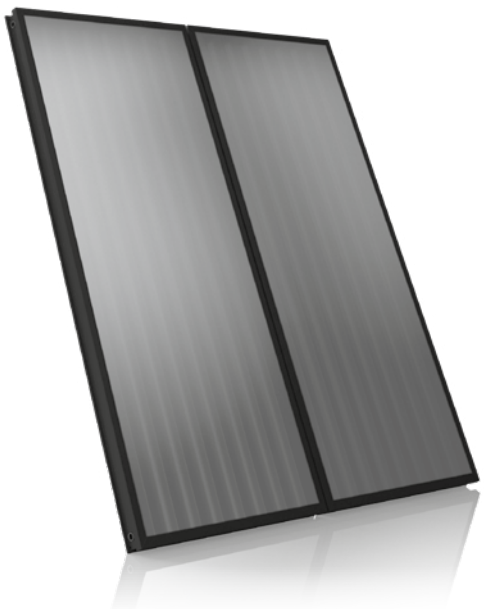
ECH$_2$O thermal store range:
Hot water savings with solar energy

Reduce your energy costs by taking advantage of the sun's renewable energy with our solar hot water systems. Built for small and large homes, individuals can choose between a pressureless or pressurised hot water system.

Reliability

Keymark Certificate

› Daikin's solar collectors have been awarded the Solar Keymark certification. Recognised across Europe, the Keymark for solar thermal products helps users select quality solar collectors. In most European countries this certification is mandatory for the products to be eligible for subsidies.



011-7S1016 F



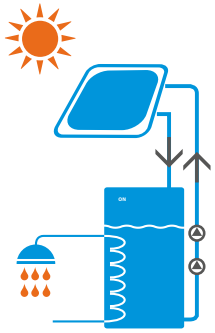
The Drain-Back solar system

How is it working?

› Starting the pump station engages the filling of the primary network and ensures the energy transfer from the solar collectors to the thermal store.
› Whenever the pump station stops working, the water contained in the collectors goes down back to the thermal store.
› The air intake allowing the draining is ensured by an orifice always placed out of water (at atmospheric pressure).
› Thanks to this unique way of working, no safety devices, safety valves, expansion vessels, anti-return valve or glycol are necessary.

Advantages

› 0 % glycol : the liquid carrying the heat is only the water inside the system
› Self-working system with the pump station modulations depending the temperatures inside the collectors and the thermal store.
› Automatic management of the defrost mode and avoidance of overheating mode.
› No commissioning on the solar system, no replacement of the heat-carrying liquid.



The pressurised solar system

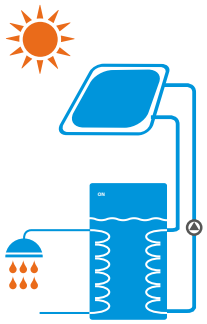
How is it working?

› The heat-carrying liquid is mixed with glycol to avoid freezing in the solar collectors system
› Whenever the solar collectors reach an useful temperature level, the system provides a continuous supply of energy
› The energy from the collectors is returned to the thermal store thanks to the coil.

Advantages

Monovalent
› The solar system is used as first heating source and can be coupled with a wall mounted boiler. The cold water is first pre-heated in the thermal store and the boiler can provide additional heat instantaneously if needed.

Bivalent
› The solar system integrates a backup heater. The domestic hot water is directly produced in the thermal store. The additional heater ensures the back-up in case of low sunshine.



Solar panel - Overview EKSV21P - small vertical model

Material list for standard solar panel systems for hot water preparation and heating support EKSV21P

Solar panel
EKSV21P



Number of solar panels Type of installation Article	Type	Order No.	2 On-roof Quantity	2 In-roof Quantity	3 On-roof Quantity	3 In-roof Quantity	4 On-roof Quantity	4 In-roof Quantity	5 On-roof Quantity	5 In-roof Quantity
Solar panel	EKSV21P	16 20 12-RTX	2	2	3	3	4	4	5	5
Solar panel connection	FIX-VBP	16 20 16-RTX	1	1	2	2	3	3	4	4
Installation rail for individual solar panel	FIX MP 100	16 20 66	2	2	3	3	4	4	5	5
On-roof installation kit for one solar panel [DB+P)] (2 roof hooks per kit)	FIX-ADDP	16 20 85	4[2)]	0	6[2)]	0	8[2)]	0	10[2)]	0
In-roof installation package, basic storage for two solar panel	IB EKSV21P	16 20 17	0	1	0	1	0	1	0	1
In-roof installation package, additional storage for central solar panel	IE EKSV21P	16 20 18	0	0	0	1	0	2	0	3

Material list standard solar panels with Drain-back system

Type of installation	Type	Order No.	On-roof Quantity	In-roof Quantity
Control and pump unit	RPS 4	EKSRPS4A	1	1
Support for connecting pipe solar panel	TS	16 42 45	1	1
Connection pipe solar panel	CON 15	16 47 32	1	1
Roof penetration pack solar panel on-roof	EKSRCAP EKSRCRP	EKSRCAP anthracite EKSRCRP red	1	0
Installation accessories, solar panel in-roof	RCIP	16 20 37-RTX	0	1

Nominal volume, complete system				
Number of solar panels	2	3	4	5
Connecting line 15m	DN 16	DN 16	DN 20	DN 20
Nominal system volume (l)	20.2	21.5	22.8	24.1

Material list solar panels with pressurised system [1)]

Number of solar panels Article	Type	Order No.	up to 2 Quantity	up to 3 Quantity	4 to 5 Quantity
Controller	EKSDSR1A	EKSDSR1A	1	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1	1
Solar panel pressurised solar line DN16 15m	CON 15P16	16 20 73	1	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	1	0
Solar panel pressurised solar line DN20 15m	CON 15P20	16 20 74	0	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	0	1
Solar panel expansion vessel 12l *	MAG S12	16 20 70	1	0	0
Solar panel expansion vessel 25l *	MAG S 25	16 20 50	0	1	0
Solar panel expansion vessel 35l *	MAG S 35	16 20 51	0	0	1
Installation material solar panel with pressure system [1)]	RCP	EKSRCP	1	1	1

DB **Drain-back system**

P **Pressurised system**

DB) Only required for installations with drain-back system.
P) Only required for pressurised installations.
* Standard recommendation, after detailed expansion vessel calculation, other expansion vessels may be necessary.
1) The roof penetration for on-roof and flat roof installation is to be provided by the customer.
The solar fluid must be ordered separately.
2) The number of roof hooks must be checked if necessary (see installation instructions ADM).

Solar panel - Overview EKSV26P - standard vertical model

Material list for standard solar panel systems for hot water preparation and heating support EKSV26P

Solar panel EKSV26P



Number of solar panels Type of installation / Article	Type	Order No.	2 On-roof Quantity	2 In-roof Quantity	2 Flat roof Quantity	3 On-roof Quantity	3 In-roof Quantity	3 Flat roof Quantity	4 On-roof Quantity	4 In-roof Quantity	4 Flat roof Quantity	5 On-roof Quantity	5 In-roof Quantity	5 Flat roof Quantity
Solar panel	EKSV26P	EKSV26P	2	2	2	3	3	3	4	4	4	5	5	5
Solar panel connection	FIX-VBP	16 20 16 - RTX	1	1	1	2	2	2	3	3	3	4	4	4
Mounting rail single collector	FIX MP 130	16 20 67	2	2	2	3	3	3	4	4	4	5	5	5
On-roof installation pack for one solar panel [DB+P)] (2 roof hooks per kit)	FIX-ADDP	16 20 85	4[2)]	0	0	6[2)]	0	0	8[2)]	0	0	10[2)]	0	0
In-roof installation kit, basic flashing for two solar panels	IB V26P	16 20 19	0	1	0	0	1	0	0	1	0	0	1	0
In-roof installation pack, additional flashing for central solar panel	IE V26P	16 20 20	0	0	0	0	1	0	0	2	0	0	3	0
Flat-roof frame, basic pack for two solar panels	FB V26P	16 20 58	0	0	1	0	0	1	0	0	1	0	0	1
Flat-roof frame, expansion pack additional solar panel	FE V26P	16 20 59	0	0	0	0	0	1	0	0	2	0	0	3

Material list standard solar panels with Drain-back system

Number of solar panels Installation type / Article	Type	Order No.	On-roof Quantity	In-roof Quantity	Flat roof Quantity
Control and pump unit	EKSRPS4A	EKSRPS4A	1	1	1
Additional support troughs for connecting pipe solar panel	TS	16 42 45	1	1	1
Connection pipe solar panel	CON 15	16 47 32	1	1	1
Roof penetration pack solar panel on-roof	EKSRCAP EKSRCRP	EKSRCAP Anthracite EKSRCAP Red	1	0	0
Installation accessories, solar panel in-roof	RCIP	16 20 37-RTX	0	1	0
Roof penetration pack solar panel flat roof	RCFP	16 20 38-RTX	0	0	1

Material list solar panels with pressurised system [1)]

Number of solar panels Installation type / Article	Type	Order No.	up to 2 Quantity	up to 3 Quantity	4 to 5 Quantity
Controller	EKSDSR1A	EKSDSR1A	1	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1	1
Solar panel pressurised solar line DN16 15m	CON 15P16	16 20 73	1	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	1	0
Solar panel pressurised solar line DN20 15m	CON 15P20	16 20 74	0	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	0	1
Solar panel expansion vessel 12l *	MAG S12	16 20 70	1	0	0
Solar panel expansion vessel 25l *	MAG S 25	16 20 50	0	1	0
Solar panel expansion vessel 35l *	MAG S 35	16 20 51	0	0	1
Installation material solar panel with pressure system [1)]	RCP	EKSRCP	1	1	1

Nominal volume, complete system				
Number of solar panels	2	3	4	5
Connecting line 15m	DN 16	DN 16	DN 20	DN 20
Nominal volume entire system (l)	21	22.7	24.4	26.1

Solar panel - Overview EKSH26P - standard horizontal model

Material list for standard solar panel systems for hot water preparation and heating support EKSH26P

Solar panel H26 P

Number of solar panels Type of installation Article	Type	Order No.	1 On-roof Quantity	1 Flat roof Quantity	2 On-roof Quantity	2 Flat roof Quantity	3 On-roof Quantity	3 Flat roof Quantity	4 On-roof Quantity	4 Flat roof Quantity	5 On-roof Quantity	5 Flat roof Quantity
Solar panel	EKSH26P	EKSH26P	1	1	2	2	3	3	4	4	5	5
Solar panel connection	FIX-VBP	16 20 16 - RTX	0	0	1	1	2	2	3	3	4	4
Installation rail guide for individual solar panel	FIX MP 200	16 20 68	1	1	2	2	3	3	4	4	5	5
On-roof installation pack for one solar panel P) (4 roof hooks per kit)	FIX-ADDP	16 20 85	2 2)	0	4 2)	0	6 2)	0	8 2)	0	10 2)	0
Flat roof support frame basic kit for one solar panel	FB H26P	16 20 60	0	1	0	1	0	1	0	1	0	1
Flat roof trestle Extension pack for one additional solar panel	FE H26P	16 20 61	0	0	0	1	0	2	0	3	0	4

Nominal volume, complete system				
Number of solar panels	2	3	4	5
Connecting line 15m	DN 16	DN 16	DN 20	DN 20
Nominal volume system (l)	21.6	23.9	26	28.1

Material list solar panels with pressurised system 1)

Number of solar panels Installation type / Article	Type	Order No.	up to 3 Quantity	4 to 5 Quantity
Pressurised thermal store	EKHWP500PB	EKHWP500PB	1	1
Controller	EKSDSR1A	EKSDSR1A	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1
Solar panel pressurised solar line DN16 15m	CON 15P16	16 20 73	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	0
Solar panel pressurised solar line DN20 15m	CON 15P20	16 20 74	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	1
Solar panel expansion vessel 12l *	MAG S12	16 20 70	0	0
Solar panel expansion vessel 25l *	MAG S 25	16 20 50	1	0
Solar panel expansion vessel 35l *	MAG S 35	16 20 51	0	1
Installation material solar panel with pressure system 1)	RCP	EKSRCP	1	1

Pressurised system

P) Only required for pressurised installations.
* Standard recommendation, after detailed expansion vessel calculation, other expansion vessels may be necessary.
1) The roof penetration for on-roof and flat roof installation is to be provided by the customer. The solar fluid must be ordered separately.
2) The number of roof hooks must be checked if necessary (see installation instructions ADM).

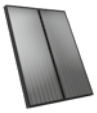
Solar panel - Overview EKSV26P - standard vertical model

List of materials for solar components that connect several storage tanks

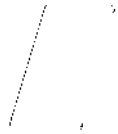
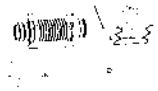
DB

Total number of storage tanks Article	Type	Order No.	2 Quantity	3 Quantity
Solar panel storage tank extension kit	CON SX	16 01 20	1	1
Solar panel storage tank extension kit 2	CON SXE	16 01 21	0	1

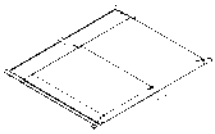
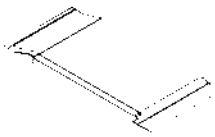
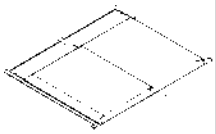
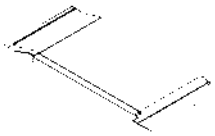
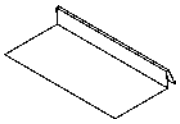
Solar panels for pressurised use and Drain-back system



High-efficiency flat solar panels
Stable watertight solar panel frame made of black anodised aluminium, highly special coating and safety glass, low-reflection, efficient heat insulation of the solar panel back plane with mineral wool. The minimum efficiency of the solar panel is more than 525kWh/m² per year (location: Würzburg, Germany). Suitable for drain-back and pressurised systems.

Article		Type	Order No.
	**High-efficiency flat solar panel EKSV21P** (2,000 x 1,006 x 85mm), solar panel area 1.79m², Weight 35kg, water content 1.3l. Max. 6 bar.	EKSV21P	EKSV21P
	High-efficiency flat solar panel EKSV26P (2,000 x 1,300 x 85mm), solar panel area 2.35m², Weight 42kg, water content 1.7l. Max. 6 bar.	EKSV26P	EKSV26P
	High-efficiency flat solar panel EKSH26P (1,300 x 2,000 x 85mm), solar panel area 2.35m², Weight 42kg, water content 2.1l. Max. 6 bar.	EKSH26P	EKSH26P
	**Solar panel connection** Installation profile connector, expansion joints and double clamping blocks.	FIX-VBP	16 20 16-RTX
	**Installation profile rail for EKSV21P** Consisting of installation profile rails and solar panel securing clips.	FIX MP 100	16 20 66
	**Installation profile rail for EKSV26P** Consisting of installation profile rails and solar panel securing clips.	FIX MP 130	16 20 67
	**Installation profile rail for EKSH26P** Consisting of installation profile rails and solar panel securing clips.	FIX MP 200	16 20 68
	**Support for connecting pipe solar panel** Support troughs (5 in number, length, in each case, 1.3m) for support of the solar panel plastic connection lines in Drain-Back.	TS	16 42 45
	**On-roof installation pack slate** 4 roof hooks for flat roofing, e.g. slate, for one solar panel.	FIX ADS	16 47 23
	**On-roof installation pack MULTI** 2 height-adjustable roof hooks for drain-back and pressure system, including mounting materials.	FIX-ADDP	16 20 85
	**Roof holder for corrugated covering** 4 holders including fixing material for one solar panel.	FIX-WD	16 47 03-RTX
	**Roof holder for welted sheet metal covering** 4 holders including fixing material for one solar panel. Note: for on-roof installation only.	FIX-BD	16 47 04-RTX

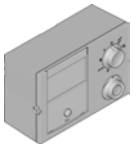
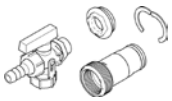
Solar panels for pressurised use and Drain-back system

Article		Type	Order No.
	**Basic in-roof assembly package EKSV21P** Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°.	IB V21P	16 20 17
	**Extension kit in-roof mounting EKSV21P** Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°.	IE V21P	16 20 18
	**Basic in-roof mounting pack EKSV26P** Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°.	IB V26P	16 20 19
	**Expansion in-roof mounting pack EKSV26P** Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°.	IE V26P	16 20 20
	**In-roof covering slate supplementary pack** 30 layer pieces for flat coverings, e.g. slate (per basic in-roof pack you will need one supplementary pack).	FIX-IES	16 46 16-RTX
	**Basic pack flat-roof frame for mounting of two EKSV26P solar panels on flat roofs** Pre-assembled system for simple and rapid installation, adjustable gradient (30° to 60°). Suitable for wind load zone WLZ 2 (only to a limited extent for WLZ 3).	FB V26P	16 20 58
	**Extension pack flat-roof frame for one additional EKSV26P solar panel** Extension for FB V26P.	FE V26P	16 20 59
	**Basic pack flat-roof frame for mounting of one EKSH26P collector on flat roofs** Pre-assembled system for simple and rapid installation, adjustable gradient (30° to 60°). Suitable for wind load zone WLZ 2 (only to a limited extent for WLZ 3).	FB H26P	16 20 60
	**Extension pack flat-roof frame for one additional EKSH26P solar panel** Extension for FB H26P.	FE H26P	16 20 61
	Disassembly tools ducts drain-back system	FIX LP	16 20 29-RTX

Drain-back system

Pressurised system

Solar panel - pressurised system

Article		Type	Order No.
	**Controller** Temperature-difference regulator for the solar panel with pressure system. Regulator with graphic display for representation of hydraulic schematics and yield balances, for example. Including return flow and storage tank temperature sensor and housing for wall mounting.	EKSDSR1A	EKSDSR1A
	**Pressure station** Consists of: Pipe connection ø 22mm including pipe compression fittings and support sleeves (5x), flow measurement unit with 2 x KFE cock, integrated air separator, ball-cocks with integrated back-flow prevention, Grundfos Solar 25-65 pump, safety group with pressure gauge, including insulation and installation accessories.	EKSRDS2A	EKSRDS2A
	**Fill and drain connection** For RPS3 and tanks from 2013 onwards, for easy filling and emptying through the fill and drain valve.	KFE BA	16 52 15
	Solar panel pressurised solar line DN 16 15m thermally-insulated stainless steel corrugated pipe line for solar panel pressurised systems with inserted sensor line nominal size DN 16. For systems of up to 3 solar panels and a line length of up to 25m. Without connection fittings.	CON 15P16	16 20 73
	**Solar panel pressurised solar connection kit DN 16** All necessary fittings for connecting the pressurised solar line DN 16. Required together with CON 15P16.	CON CP16	16 20 75
	**Solar panel pressurised solar connection kit DN 16** Fittings for connecting two pressurised solar lines DN 16.	CON XP16	16 20 71
	**Solar panel pressurised solar line DN 20** 15m thermally-insulated stainless steel corrugated pipe line for solar panel pressurised systems with inserted sensor line nominal size DN 20. For systems up to 5 solar panels and a line length of up to 25m. Without connection fittings.	CON 15P20	16 20 74
	**Pressurised solar connection kit DN 20** All necessary fittings for connecting the pressurised solar line DN 20. Always required together with CON 15P20.	CON CP20	16 20 76
	**Solar panel pressurised solar connection kit DN 20** Fittings for connecting the pressurised solar line DN 20.	CON P20	16 20 72
	**Installation material solar panel pressurised system** Connection fittings for pressurised systems and solar panel installation material, consisting of installation material for solar panel and connection pipe, 2m UV-proof thermal insulation for the outer area, connection fittings and panel temperature sensor. The roof penetration must be provided to the customer.	RCP	EKSRCP
	**Solar panel row connection for the solar panel with pressure system** Connection kit for connecting two rows of solar panels in parallel. Consisting of solar panel installation material, equipotential bonding terminals, end caps, connection elbows and 1m thermally-insulated piping.	CON LCP	16 20 45

Solar panel - pressurised system

Article		Type	Order No.
	**Expansion vessel 12l with connection block** For solar panels with pressure systems of max. 2 x EKSV21P - solar panels.	MAG S12	16 20 70
	**Expansion vessel 25l with connection block** For solar panels with pressure systems of max. 3 solar panels.	MAG S 25	16 20 50
	**Expansion vessel 35l with connection block** For solar panels with pressure systems of max. 5 solar panels.	MAG S 35	16 20 51-RTX
	**GLYCOL CORACON SOL 5F** 20l can of pre-mixed solar fluid, functional range up to -28°C.	CORACON SOL 5F	16 20 52-RTX
	**GLYCOL CORACON SOL 5** 1l of solar fluid concentrate for extension of the frost range. With 20l of solar fluid with 1 l additive, the use range extends down to -33°C. For 20l of solar fluid with 2x 1l of additive, the functional range is extended to -38°C.	CORACON SOL 5	16 20 53
	**Circulation lance** For energetically-optimised incorporation of the domestic hot water circulation in the hot water connection of the warm-water storage tank.	ZKL	16 51 13
	Thermostatic mixer as scalding protector Thermal safety device for the domestic water pipe. Setting range 35-60°C.	VTA32	15 60 15
	Screw connection kit 1" For connection of the scald protection VTA32.		15 60 16
	Thermostatic regulator 230V With capillary tube temperature sensor, setting range 35-85°C.	SCS-TR	16 41 30
	**3-way switching valve 1" male** With motor drive 230V, switchover time 6 sec.	3 W-UV	15 60 34

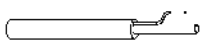
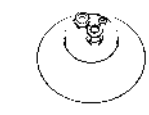
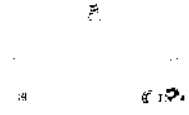
Solar panels - drain-back system

DB

Article		Type	Order No.
	**EKSRPS4 regulation and pump unit** Ready to plug in unit (230V), with digital differential temperature regulation, return and storage tank temperature sensors, high-efficiency circulation pump. **INFO:** The flow sensor (FLS 20), included in the supply, provides more effective operation of the EKSRPS4. In addition to direct calculation of the heat output, the sensor allows modulation of the operating pump and thus an additional saving in electrical energy.	EKSRPS4	EKSRPS4A
	Fill and tap connection solar panel with drain-back system For easy filling of solar panels with drain-back system from 2013 onwards through the solar flow connector.	KFE DB BA	16 52 16
	**Burner blocking contact connection cable** For RPS2, RPS3, RPS3 M, RPS3 25M.	BSKK	16 41 10-RTX
	**Solar panel FlowGuard solar flow regulator** with solar flow indicator 2-16l / min.	FLG	16 41 02-RTX
	**Connection tube solar panel** Ready to connect connection line 15m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable.	CON 15	16 47 32
	**Connection tube solar panel** Ready to connect connection line 20m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable.	CON 20	16 47 33
	**Solar panel solar flow sensor 100** Sensor for expanding RPS3 25M control system, enables heat yield metering in large installations. Measuring range up to 100l/min.	FLS 100	16 41 03-RTX
	**Extension** For connecting a collector array (EKSV21P, EKSV26P, EKSH26P) to the on-site rigid copper connection pipes when using roof penetration box kits EKSRCAP, EKSRCRP, RCIP, RCFP.	CON X20 25M	16 42 32

Solar panels - drain-back system

DB

Article		Type	Order No.
	**Extension connection tube solar panel** Ready to plug in including installation material and connection fittings L = 2.5m L = 5.0m L = 10.0m Maximum possible length of the connection pipe: Number of solar panels / Max. length 2 / 45m 3 / 30m 4 / 17m 5 / 15m	CON X 25 CON X 50 CON X 100	16 42 61 16 42 62 16 42 63
	**Extension of the inflow pipe** UV-resistant thermally-insulated, length = 8m, including cable connecting fitting for the solar panel sensor line.	CON XV 80	16 42 64
	**On-roof roof penetration, anthracite** Roof penetration pack with connection fittings and solar panel installation material, consisting of anthracite roof penetration, installation material for solar panel and connection pipe, 2m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.	EKSRCAP	EKSRCAP
	**On-roof roof penetration, tile red** Roof penetration pack with connection fittings and solar panel installation material, consisting of tile red roof penetration, installation material for solar panel and connection pipe, 2m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.	EKSRCRP	EKSRCRP
	**Solar panel panel row connection** Connection kit for connecting two rows of solar panels one above the other. Consisting of solar panel installation material, equipotential bonding terminals, end caps, connection elbows and 1m thermally-insulated piping.	CON RVP	16 20 35-RTX
	**Installation material, solar panel in-roof** Ready to plug in including installation material and connection fittings.	RCIP	16 20 37-RTX
	**Roof penetration, flat roof** Roof penetration pack with connection fittings and solar panel installation material, consisting of flat-roof roof penetration, installation material for solar panel and connection pipe, 8.5m UV-proof heat insulation for the outer area, connection fittings with detaching tools and panel temperature sensor.	RCFP	16 20 38-RTX
	**Roof penetration flat-roof for alternate side solar panel connection** Flat roof penetration with screw connections and blind plugs for penetration openings which are not used.	CON FE	16 47 09
	**Solar panel boiler extension kit** Connection kit for the connection of two warm-water storage tanks, consisting of drain-back connection tube and lead supply line.	CON SX	16 01 20

Solar panels - drain-back system

DB

Article		Type	Order No.
	Solar panel storage tank extension kit 2 Connection kit for the connection of additional warm-water storage tanks, consisting of drain-back connection tube and lead supply line.	CON SXE	16 01 21
	**Circulation lance** For energetically-optimised incorporation of the tap-water circulation in the hot water connection of the warm-water storage tank.	ZKL	16 51 13
	Thermostatic mixer as scalding protector Thermal safety device for the warm-water pipe. Setting range 35-60°C.	VTA32	15 60 15
	Screw connection kit 1” For connection of the scald protection VTA32.		15 60 16
	Thermostatic regulator 230V With capillary tube temperature sensor, setting range 35-85°C.	SCS-TR	16 41 30
	**3-way switching valve 1" male** With motor drive 230V, switch-over time 6 sec.	3 W-UV	15 60 34

Solar collector

Thermal solar collector for hot water production

- Solar collectors can produce up to 70% of the energy needed for hot water production - a major cost saving
- Horizontal solar collector for domestic hot water production
- Vertical solar collector for domestic hot water production
- High efficiency collectors transfer all the short-wave solar radiation into heat as a result of their highly selective coating
- Easy to install on roof tiles
- Can be used for drain-back and pressurised applications



EKSV21P

Accessory				EKSV21P	EKSV26P	EKSH26P
Mounting				Vertical		Horizontal
Dimensions	Unit	HeightxWidthxDepth	mm	2000x1006x85	2000x1300x85	1300x2000x85
Weight	Unit		kg	33	42	
Volume			l	1.3	1.7	2.1
Surface	Outer		m^2	2.01	2.60	
	Aperture		m^2	1.800	2.360	
	Absorber		m^2	1.79	2.35	
Coating				Micro-therm (absorption max. 96%, Emission ca. 5% +/-2%)		
Absorber				Harp-shaped copper pipe register with laser-welded highly selective coated aluminium plate		
Glazing				Single pane safety glass, transmission +/- 92%		
Allowed roof angle	Min.~Max.		°	15~80		
Operating pressure	Max.		bar	6		
Stand still temperature	Max.		°C	192		
Thermal performance	collector efficiency (ηcol)		%	61		
	Zero loss collector efficiency η0		%	0.781	0.784	
	Heat loss coefficient a1		$W/m^2.K$	4.240	4.250	
	Temperature dependence of the heat loss coefficient a2		$W/m^2.K^2$	0.006	0.007	
	Thermal capacity		kJ/K	4.9	6.5	
Auxiliary	Solpump		W	-		
	Annual auxiliary electricity consumption Qaux		kWh	-		
	Solstandby		W	-		

Pump station

- Save energy and reduce CO_2 emissions with a solar system for domestic hot water production
- Pump station connectable to drain-back solar system
- Pump station and control provide the transfer of solar heat to the domestic hot water tank



EKSRPS4A

Accessory				EKSRPS4A	EKSRDS2A
Mounting				On side of tank	On wall
Dimensions	Unit	HeightxWidthxDepth	mm	815x142x230	410x314x154
Weight	Unit		kg	6	
Operation range	Ambient temperature	Min.~Max.	°C	5~40	-~40
Operating pressure	Max.		bar	-	6
Stand still temperature	Max.		°C	85	120
Control	Type			Digital temperature difference controller with plain text display	
	Power consumption		W	2	5
Sensor	Solar panel temperature sensor			Pt1000	
	Storage tank sensor			PTC	-
	Return flow sensor			PTC	-
	Feed temperature and flow sensor			Voltage signal (3.5V DC)	-
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230	-/50/230
Power supply intake				Indoor unit	
Auxiliary	Solpump		W	33	23
	Annual auxiliary electricity consumption Qaux		kWh	78	89
	Solstandby		W	2.00	5.00



Always in control

Daikin Online Controller

The Daikin Online Controller application can control and monitor the status of your heating system and allows you to:

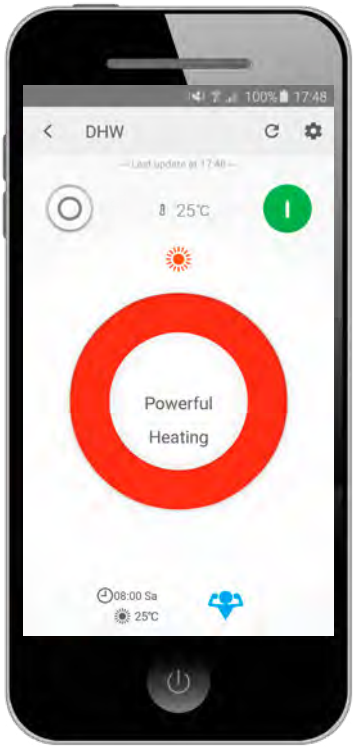
Monitor
› The status of your heating system
› Your energy consumption graphs*

Schedule
› Schedule the set temperature* and operation mode
with up to **6 actions per day for 7 days**
› Enable **holiday mode**
› View in intuitive mode

Control **
› The **operation mode** and set temperature
› Remotely control your system and domestic hot water

*Starting with ERGA-D

*Control via the app
› Room thermostat control for space heating and domestic hot water
› Leaving water temperature control for domestic hot water
› External control for domestic hot water



Daikin Online Heating Control
The Daikin Online Control Heating app is a multifaceted programme that allows customers to control and monitor the status of their heating system.

Main features
› 'Daikin Eye' (intuitive setting)
› Tank temperature monitoring
› Equipped with GDPR (data protection)
› Remote firmware update of LAN Adapter
› Control over multiple unit locations

Applicable Daikin units
› Daikin Altherma low temperature split
› Daikin Altherma low temperature monobloc (5-7 kW)
› Daikin Altherma ground source heat pump
› Daikin Altherma hybrid heat pump
› Wall mounted gas condensing boiler D2CND
› GCU compact

EKRUCBL*

Control
› Manage space heating, cooling, domestic hot water and among others, booster mode
› User-friendly remote control with contemporary design
› Easy to use with direct accessibility to all main functions

Comfort
› An additional user interface can include a room thermostat in the space to be heated
› Easy commissioning: intuitive interface for advanced menu settings

General features
Several languages possible depending on the model, including: English, German, Dutch, Spanish, Italian, French, Greek, Russian, etc.

Applicable Daikin units
› Daikin Altherma low temperature split
- Wall mounted
- Floor standing
- Monobloc (5-7 kW)
› Daikin Altherma hybrid heat pump
› Daikin Altherma ground source heat pump
› Domestic hot water heat pump



* only in combination with EKRTETS

System controller for Daikin Altherma

Control

Reduce installation time

› Program all settings for an installation on a laptop computer and simply upload them to the controller during commissioning
› Reuse similar settings for related installations

Improve service diagnostics and maintenance

› The controller records the time, date and nature of the last 20 error occurrences

Comfort

Maximise comfort with stable room temperatures

› Raise or lower water temperature as a function of the actual room temperature
› Manage energy consumption
› Intuitive screen displays the output and input energy of the unit provide consumption transparency

Weather depending floating set point

When the floating set point function is enabled, the set point for the leaving water temperature will be dependent on the outside ambient air temperature. At low outside ambient air temperatures, the leaving water temperature will increase to satisfy the rising heat requirement of the building. At warmer temperatures, the leaving water temperature will decrease to save energy.



Applicable Daikin units

› Daikin Altherma low temperature monobloc (11-16 kW)
› Daikin Altherma high temperature
› Daikin Altherma Flex Type

General features

EKRTR/EKRTW

Control

The LCD screen of the room thermostat presents the necessary information regarding the setting of the Daikin Altherma system.

Comfort

An external sensor (EKRTETS) can be placed between the underfloor heating and the floor, as an alternative to the wireless room thermostat.

General features

› Set the temperature of the room based on measurements from the built-in or external sensor
› Off function (with integrated frost-protection function)
› Holiday function mode
› Comfort and reduced function modes
› Time (day and month)
› Programmable weekly timer with 2 user defined and 5 preset programmes, with up to 12 actions per day
› Keylock function
› Set limits: the installer can change the upper and lower limits
› Floor temperature protection



Applicable Daikin units

› Combinable to all Daikin units

EKRUDAS

Room thermostat for Daikin Altherma 3



EKRUCBL/CBS/DAS

Wired remote control for Heating



EKRUCBL

Indoor unit		EKRUCBL/EKRUCBS	1	2	3	4	5	6	7	EKRUCBS
Control systems	Class of temperature control		VI							
	Contribution to seasonal space heating efficiency	%	4.0							

EKRTW/EKRTR

Wired remote control for Heating



EKRTWA

				EKRTR	EKRTWA
Dimensions	Unit	HeightxWidthxDepth	mm	-x-x-	87x125x34
	Thermostat	Height/Width/Depth	mm	87/125/34	-/-/-
	Receiver	Height/Width/Depth	mm	170/50/28	-/-/-
Weight	Unit		g	-	215
	Thermostat		g	210	-
	Receiver		g	125	-
Ambient temperature	Storage	Min./Max.	°C	-20/60	
	Operation	Min./Max.	°C	0/50	
Temperature setting range	Heating	Min./Max.	°C	4/37	
	Cooling	Min./Max.	°C	4/37	
Clock				Yes	
Regulation function				Proportional band	
Power supply	Voltage		V	-	Battery powered 3* AA-LR6 (alkaline)
	Thermostat	Voltage	V	Battery powered 3x AA-LRG (alkaline)	-
	Receiver	Voltage	V	230	-
	Frequency		Hz	50	-
	Phase			1~	-
Connection	Type			-	Wired
	Thermostat			Wireless	-
	Receiver			Wired	-
Maximum distance to receiver	Indoor		m	approx. 30m	-
	Outdoor		m	approx. 100m	-
Control systems	Class of temperature control			IV	
	Contribution to seasonal space heating efficiency		%	2.0	

EKRTR


MIES
Alvar Aalto
NORDIC LIGHT
René Magritte
WASSILY KANDINSKY
LEONIDOV
Dirk Braeckman
ARTEMPO
JAN DE COCK
MICHAEL BORREMANS
THOMAS STRUTH
ELIASSON

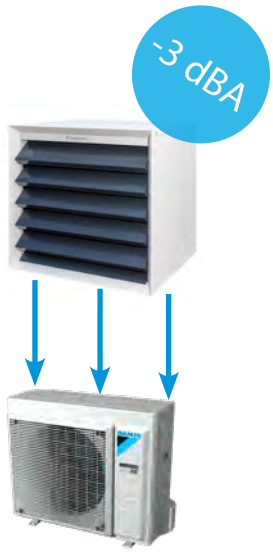


Discover
a world of silence

The low sound cover is the ideal and practical way to lower the sound of the Daikin Altherma outdoor unit. It allows for the unit to be ine line with local regulations on sound emission or in the case of limited space, when the unit is installted close to a neighbouring property. With the use of this new Low Sound Cover, the sound performances of the Daikin Altherma outdoor units can be reduced with an additional -3 dB(A).

Sound reduction

- Reducing the emitted sound with -3 dB(A) which corresponds to more than 50% reduction of the sound level
- To use with Daikin Altherma ERGA-D or ERLQ-C outdoor units
- In night mode, the sound is reduced to less than 35 dB(A) at 3 metres.



Functional and modern outlook

The smooth and discrete design blends in with today's house architecture.

Safeguarded performance & warranty

- The installation of the low sound cover has no impact on the heating performances of your outdoor unit, only the noise is reduced.
- Your warranty remains unchanged.

Quick installation

- The low sound cover is delivered in a flat pack
- It can be installed over a floor or a wall mounted outdoor unit
- The cover can easily be assembled, based on a set of simple and straightforward instructions, delivered with the pack
- The installation of the low sound cover takes less than 20 minutes

Heat emitters

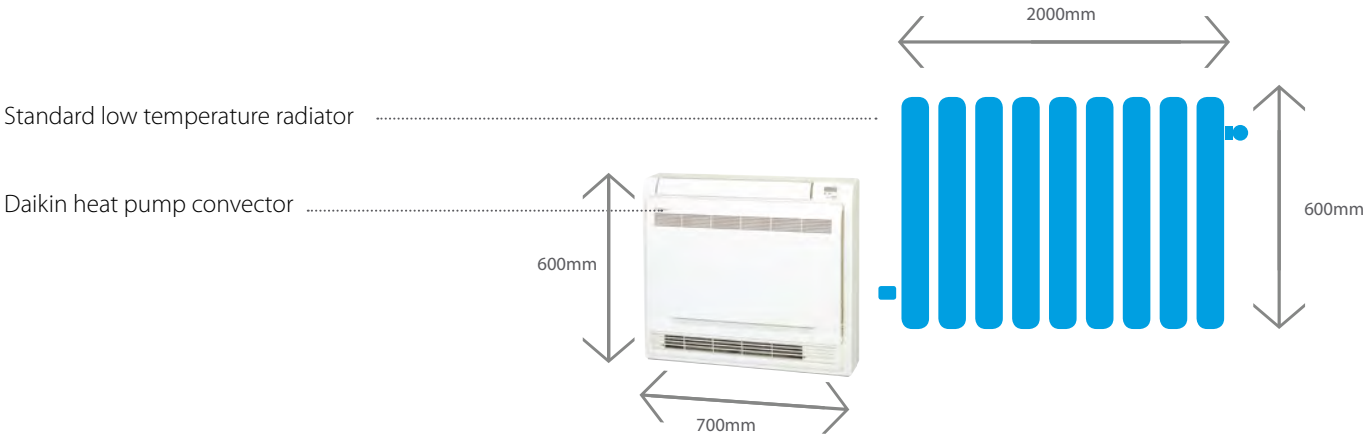
Heat pump convector

The latest in heat pump convector technology for high performance



The Daikin heat pump convector is specifically designed to offer optimal efficiencies and comfort for residential applications.

› Small dimensions compared to low temperature radiators
› Low sound level, optimal for bedroom applications (down to 19 dBA)
› High-capacity cooling with water temperatures down to 6°C.







Comfort all year round

Because every home is unique and it's your living environment, choosing the right system depends on the specific needs of the project. Whether it's a new build or a renovation, whether the spaces are big or small, Daikin has a heat pump solution that is right for you.

Residential applications - Pair split and multi split

Why choose a Daikin split system? 166

Products overview 170

Benefits overview 172

Wall mounted units 174

UNIQUE Ururu Sarara FTXZ-N / RXZ-N 174

stylish C/FTXA-AW/S/T / RXA-A/B 176

DAIKIN emura FTXJ-MW/S / RXJ-M/N 180

NEW perfera C/FTXM-N / RXM-N(9) 182

NEW comfora FTXP-M / RXP-M 183

sensira FTXF-A / RXF-A/B 184

NEW sensira FTXC-B / RXC-B 185

Concealed ceiling unit 186

FDXM-F9 / RXM-N9 186

Floor standing units 187

FVXM-F / RXM-N9 187

Hybrid multi 188

CHYHBH-AV32 / EHYKOMB-AA2/3 188

Multi outdoor units 189

MXM-M/N 189

Siesta wall mounted units 190

NEW ATXM-N / ARXM-N9 191

NEW ATXP-M / ARXP-M 192

NEW ATXC-B / ARXC-B 193

Siesta multi outdoor unit 194

AMXM-M 194

R-32 Optimised heating BLUEVOLUTION 196

Wall mounted units 197

perfera FTXTM-M / RXTM-N 197

comfora FTXTP-K / RXTP-N 198

Siesta wall mounted units 199

ATXTP-K / ARXTP-N 199

Options & accessories 200

Combination tables 202

For latest data, please consult my.daikin.eu



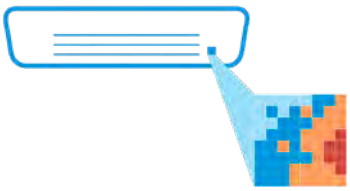
5 reasons why Split is unique in the market

BLUEVOLUTION

1 Full Split R-32 range for average and cold outdoor temperatures

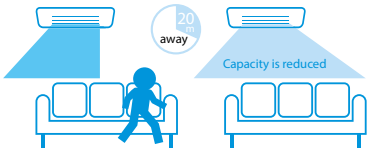
Refrigerant	Type	Model	Product name		15	20	25	30	35	40	42	50	60	71
R-32	Wall mounted	Ururu Sarara Complete climate control with (de)humidification, air purification & ventilation with top efficiencies in heating & cooling	FTXZ-N				● (pair only)		● (pair only)			● (pair only)		
		Stylish Where innovation meets creativity	CTXA-AS/W/T		● (multi only)									
			FTXA-AS/W/T			●	●		●		●	●		
		Daikin Emura Design at its best, delivering superior efficiency and comfort	FTXJ-MW/S			●	●		●			●		
		Perfera Attractive, wall mounted design with perfect indoor air quality	CTXM-N		● (multi only)									
			FTXM-N			●	●		●		●	●	●	●
		Comfora Discreet wall mounted unit providing high efficiency and comfort	FTXP-M			●	●		●			● (pair only)	● (pair only)	● (pair only)
		Sensira Discreet wall mounted unit providing high efficiency and comfort	FTXC-B			● (pair only)	● (pair only)		● (pair only)			● (pair only)	● (pair only)	● (pair only)
			FTXF-A			● (pair only)	● (pair only)		● (pair only)			● (pair only)	● (pair only)	● (pair only)
	Concealed ceiling	Concealed ceiling unit Compact concealed ceiling unit, with a height of only 200mm	FDXM-F9				●		●			●	●	
	Floor standing	Floor standing unit Floor standing unit for optimal heating comfort thanks to dual airflow	FVXM-F				●		●			●		
R-32 Siesta	Wall mounted	Siesta wall mounted unit Discreet, modern design for optimal efficiency and comfort thanks to 2 area motion detection sensor	ATXM-N			● (multi only)	●		●			●		
		Siesta wall mounted unit Discreet Siesta wall mounted unit providing high efficiency and comfort	ATXP-M			●	●		●					
		Siesta wall mounted unit Wall mounted unit, offering good value for money and ensuring a steady supply of clean air	ATXC-B			● (pair only)	● (pair only)		● (pair only)			● (pair only)	● (pair only)	● (pair only)
R-32 Optimised heating	Wall mounted	Perfera Attractive, wall mounted design with perfect indoor air quality|	FTXTM-M					● (pair only)		● (pair only)				
		Comfora Discreet wall mounted unit providing high efficiency and comfort	FTXTP-K				● (pair only)		● (pair only)					
		Siesta wall mounted unit Discreet wall mounted unit providing high efficiency and comfort	ATXTP-K				● (pair only)		● (pair only)					

2 Best comfort through intelligent sensors



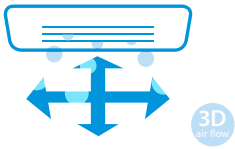
Intelligent thermal sensor

Stylish FTXA-A uses an intelligent thermal sensor to detect the surface temperature of a room to create a more comfortable climate by directing the airflow to the required area.



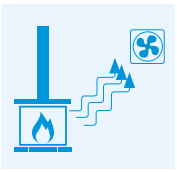
2-area motion detection sensor

Air flow is sent to a zone other than where the person is located at that moment. If no people are detected, the unit will automatically switch over to the energy efficient setting.



3-D air flow

Combines vertical and horizontal auto-swing to circulate a stream of warm or cool air right to the corners of even large spaces.

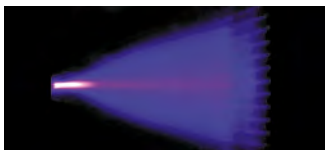


Fireplace logic

When installed close to a heating device (e.g. fireplace or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house

(Applicable for optimised heating FTXTM-M unit only)

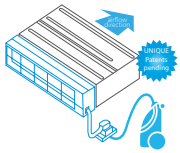
3 Top air treatment through unique filtration



High-speed electrons generated by the Flash Streamer

Flash streamer

Using electrons to trigger chemical reactions with air molecules, the Flash Streamer breaks down viruses, leaving you with perfect, allergen-free air.



Auto cleaning filter

The filter automatically cleans itself once per day. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.



Control

› Control operation mode, temperature, air purification, fan speed & direction



Schedule

› Schedule the set temperature, operation mode and fan speed



Monitor

› Monitor your energy consumption, set holiday schedule



Identify

› Identify the rooms of your house

4 Connectivity: WLAN available on all units

The Daikin Online Controller application can control and monitor up to 50 split air conditioning units. All Bluevolution units are connectable with the Daikin Online Controller.

5 Reliability through best technology

To guarantee the seamless operation, even in temperatures as low as -25°C, the Optimised Heating 4 range offers enhanced features:

› A large size compressor for comfortable heating and capacity whenever needed
› Upgrades for fewer defrost cycles
› Extended pipe and drain connections for easier installation
› Free hanging coil: no need for a heater cable.



The new bottom frame discharges water directly to the ground.



Additional benefits:
- Releases melted ice around the heat exchanger
- Prevents ice buildup between legs and brackets



reddot design award winner 2013

6 Iconic and award winning designs

Our Daikin Emura, Stylish and Ururu Sarara have earned several awards for their innovative look and functional capabilities.



GOOD DESIGN
German Design Award SPECIAL MENTION 2015
Focus Open 2014 Silver
reddot award 2014 winner
DESIGN AWARD 2015



White FTXA-AW



Silver FTXA-AS



Blackwood FTXA-AT

GOOD DESIGN
DESIGN AWARD 2018
reddot award 2018 winner



ONLINE CONTROLLER, BRP069B*



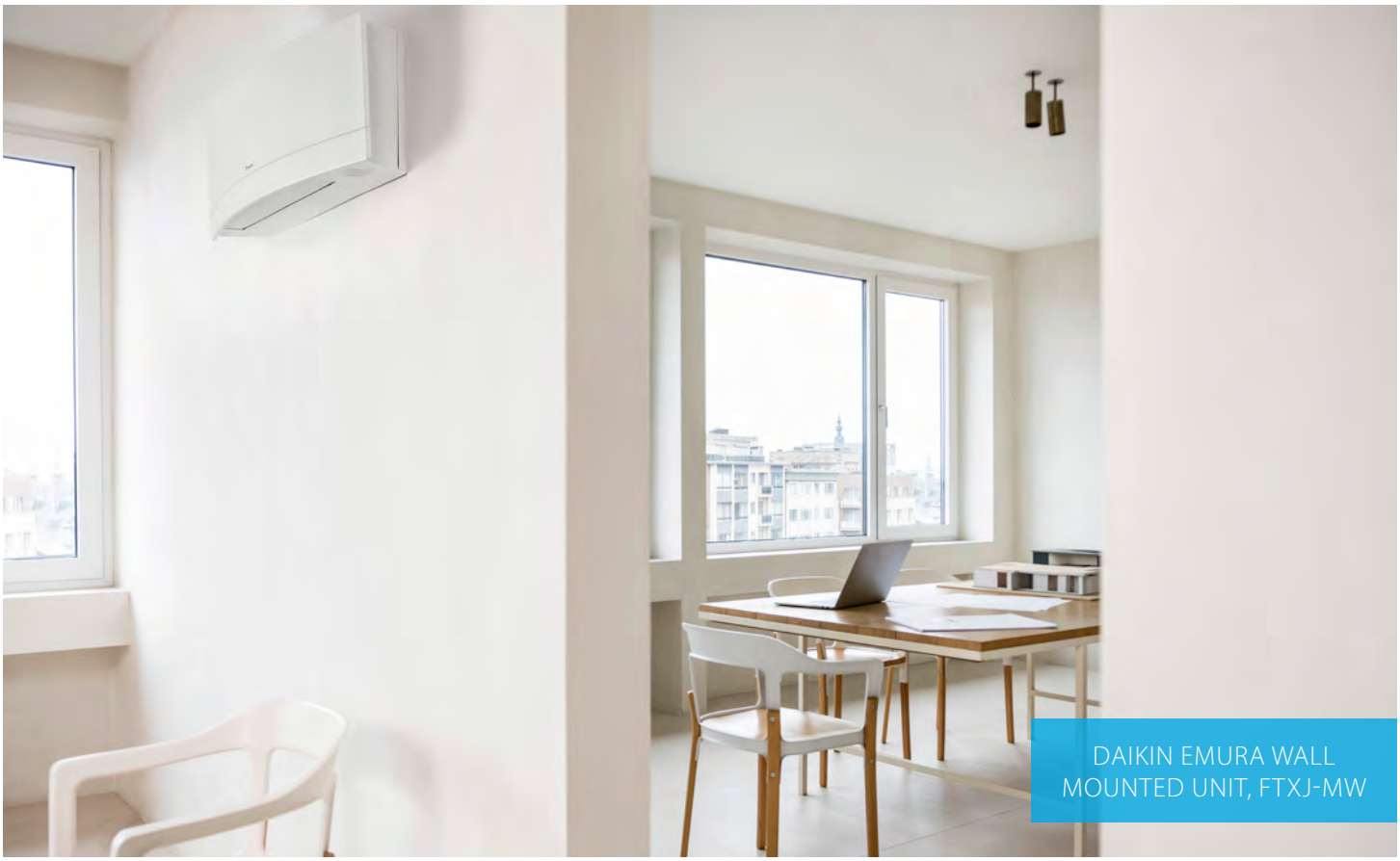
PERFERA WALL MOUNTED UNIT, FTXM-N



URURU SARARA WALL MOUNTED UNIT, FTXZ-N



STYLISH WALL MOUNTED UNIT, FTXA-A



DAIKIN EMURA WALL MOUNTED UNIT, FTXJ-MW

Products overview

Indoor units

Refrigerant	Type	Model	Product name		15	20	25	30	35	40	42	50	60	71
		Ururu Sarara Complete climate control with (de) humidification, air purification & ventilation with top efficiencies in heating & cooling	FTXZ-N				● (pair only)		● (pair only)			● (pair only)		
		Stylish Where innovation meets creativity	CTXA-AS/W/T		● (multi only)									
			FTXA-AS/W/T			●	●		●		●	●		
		Daikin Emura Design at its best, delivering superior efficiency and comfort	FTXJ-MW/S			●	●		●			●		
		Perfera Attractive, wall mounted design with perfect indoor air quality	CTXM-N		● (multi only)									
			FTXM-N			●	●		●		●	●	●	●
		Comfora Discreet wall mounted unit providing high efficiency and comfort	FTXP-M			●	●		●			● (pair only)	● (pair only)	● (pair only)
		Sensira Wall mounted unit, offering good value for money and ensuring a steady supply of clean air	FTXC-B			● (pair only)	● (pair only)		● (pair only)			● (pair only)	● (pair only)	● (pair only)
			FTXF-A			● (pair only)	● (pair only)		● (pair only)			● (pair only)	● (pair only)	● (pair only)
	Concealed ceiling	Concealed ceiling unit Compact concealed ceiling unit, with a height of only 200mm	FDXM-F9				●		●			●	●	
	Floor standing	Floor standing unit Floor standing unit for optimal heating comfort thanks to dual airflow	FVXM-F				●		●			●		
R-32 Siesta	Wall mounted	Siesta wall mounted unit Discreet, modern design for optimal efficiency and comfort thanks to 2 area motion detection sensor	ATXM-N			● (multi only)	●		●			●		
		Siesta wall mounted unit Discreet Siesta wall mounted unit providing high efficiency and comfort	ATXP-M			●	●		●					
		Siesta wall mounted unit Wall mounted unit, offering good value for money and ensuring a steady supply of clean air	ATXC-B			● (pair only)	● (pair only)		● (pair only)			● (pair only)	● (pair only)	● (pair only)
R-32 Optimised heating	Wall mounted	Perfera Attractive, wall mounted design with perfect indoor air quality|	FTXTM-M					● (pair only)		● (pair only)				
		Comfora Discreet wall mounted unit providing high efficiency and comfort	FTXTP-K				● (pair only)		● (pair only)					
		Siesta wall mounted unit Discreet wall mounted unit providing high efficiency and comfort	ATXTP-K				● (pair only)		● (pair only)					

Outdoor units

Refrigerant	Type	Model	Product name		20	25	30	35	40	42	50	52	60	68	71	80	90	4HP	5HP	6HP
R-32	Air cooled	Pair heat pump	RXZ-N			●		●			●									
			RXA-A/B		●	●		●		●	●									
			RXJ-M/N		●	●		●			●									
			RXM-N(9)		●	●		●		●	●		●		●					
			RXP-M		●	●		●			●		●		●					
			RXC-B		●	●		●			●		●		●					
			RXF-A/B		●	●		●			●		●		●					
		Multi heat pump	2-port MXM-M(9)						●		●									
			3-port MXM-N						●			●		●						
			4-port MXM-N											●		●				
			5-port MXM-N														●			
	Air cooled Siesta	Pair heat pump	ARXM-N9			●		●			●									
			ARXP-M		●	●		●												
			ARXC-B		●	●		●			●		●		●					
		Multi heat pump	2-port AMXM-M						●		●									
			3-port AMXM-M									●								
R-32 Optimised heating	Air cooled	Pair heat pump down -25°C	RXTM-N				● (pair only)		● (pair only)											
			RTXTP-N			● (pair only)		● (pair only)												
			ARXTP-N			● (pair only)		● (pair only)												

Benefits overview

Split

		R-32								
		Wall mounted						NEW	Concealed ceiling	Floor standing
		FTXZ-N	C/FTXA-AW/S/T	FTXJ-MW/S	C/FTXM-N	FTXP-M	FTXF-A	FTXC-B	FDXM-F9	FVXM-F
										
We care	Econo mode	●	●	●	●	●	●			●
	2-area motion detection sensor			●	●					
	3- area motion detection sensor	●								
	Energy saving during operation standby	●	●	●	●	●	●	●		
	Home leave operation								●	
	Night set mode		●	●	●	●				●
	Fan only	●	●	●	●	●	●	●	●	●
	Auto cleaning filter	●							●*	
Comfort	Comfort mode	●	●	●	●	●	●			
	Powerful mode	●	●	●	●	●	●	●		●
	Auto cooling-heating changeover	●	●	●	●	●	●	●		●
	Whisper quiet (down to 19dBA)	●		●	●					
	Practically inaudible		●			●				
	Indoor unit silent operation	●	●	●	●	●	●			●
	Comfortable sleeping mode	●						●		
	Outdoor unit silent operation	●	●	●	●					●
	Fire place logic									
Air flow	3-D Air flow	●	●	●	●	●				
	Vertical auto swing	●	●	●	●	●	●	●		●
	Horizontal auto swing	●	●	●	●					
	Auto fan speed	●	●	●	●	●	●	●		●
	Fan speed steps	5	5	5	5	5	3	5	3	5
	Intelligent thermal sensor		●							
	Coanda Effect	● (cooling)	●							
Humidity control	Ururu - humidification	●								
	Sarara - dehumidification	●								
	Dry programme		●	●	●	●	●	●	●	●
Air treatment	Flash streamer	●	●		●					
	Titanium apatite deodorising filter	●	●	●	●	●		●		●
	Silver allergen removal and air purifying filter			●		●				
	Air filter	●	●	●	●	●	●	●	●	●
Remote control & timer	Online controller / WLAN	●*	●	●	●	●*	●*	●*	●*	●*
	Weekly timer		●	●	●				●	●
	24 Hour timer	●		●	●	●	●	●	●	●
	Infrared remote control	●	●	●	●	●	●	●	●	●
	Wired remote control		●*	●*	●*				●*	
	Centralised remote control	●	●	●	●				●	●
	Multi zoning picto								●	
Other functions	Auto-restart	●	●	●	●	●	●	●	●	●
	Self-diagnosis	●	●	●	●	●	●	●	●	●
	Multi model application		●	●	●	● 20,25,35 class			●	●
	Guaranteed operation down to -25°C									

* available as option

R-32			R-32 Optimised heating		
Siesta Wall mounted		NEW	Wall mounted		Siesta Wall mounted
ATXM-N	ATXP-M	ATXC-B	FTXTM-M	FTXTP-K	ATXTP-K
					
●	●		●	●	●
●			●		
●	●	●	●	●	●
●	●		●	●	●
●	●	●	●	●	●
●	●		●	●	●
●	●	●	●	●	●
●	●	●	●	●	●
●					
			●		
●	●		●	●	●
		●			
●			●		
			●		
●			●		
●	●	●	●	●	●
●			●		
●	●	●	●	●	●
5	5	5	5	5	5
●	●	●	●	●	●
●			●		
	●			●	●
	●				
●	●	●	●	●	●
●*	●*	●*	●*	●*	●*
●			●		
●	●	●	●	●	●
●	●	●	●	●	●
●*			●*		
●			●		
●	●	●	●	●	●
●	●	●	●	●	●
●	● 20,25,35 class				
			●	●	●



The best of the best

Why choose Ururu Sarara?

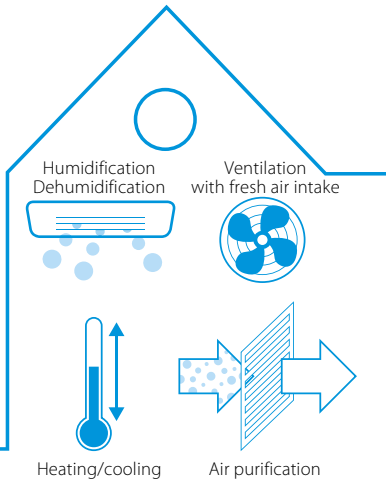
- Unique combination of humidification, dehumidification, fresh air ventilation, air purification and heating & cooling in 1 system
- 3 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment. Detection is done in 3 directions: left, front and right. If no people are detected, the unit will automatically switch over to the energy-efficient
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- No need to clean filters, thanks to the self cleaning filter
- Seasonal efficiency values: full range A+++ in cooling and heating
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19 dBA
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces

The Daikin Ururu Sarara brings a new level of sophisticated control to air conditioning. It has five air treatment techniques which together provide a total comfort solution. In addition, the Ururu Sarara range has SEER and SCOP A+++ ratings thanks to its energy efficient compressor and heat exchanger. Because of its innovative technology, as well as its design, it won the prestigious Red Dot design award in 2013.

reddot design award
winner 2013

A+++

BLUEVOLUTION



5 air treatment techniques

- Heating and cooling in one unit, for year-round comfort with the highest energy label available
- In winter, the Ururu function replenishes the moisture in the air to maintain a comfortable feel without unnecessary heating
- In summer, the Sarara function removes excess moisture while maintaining an even temperature thus eliminating the need for extra cooling
- Ventilation for fresh air even with closed windows
- Air purification and automatic filter cleaning to remove allergens, bacteria and viruses to supply clean air

Supporting tools

Business portal

- Experience our business portal at my.daikin.eu
- Find information in seconds via a powerful search
- Customise the options so you see only info relevant for you
- Access via mobile device or desktop

Internet

- Visit the website: https://www.daikin.eu/en_us/product-group/air-to-air-heat-pumps/ururu-sarara.html

Flash Streamer: releases streams of high-speed electrons with strong oxidation power

Pre-filter: catches dust



flash streamer
ONLY BY DAIKIN

Titanium apatite deodorising filter: captures allergens, bacteria & viruses and deodorizes smells of for example tobacco and pets

BLUEVOLUTION

Ururu Sarara

Wall mounted unit

Complete climate control with (de) humidification, air purification & ventilation with top efficiencies in heating & cooling

- Unique combination of humidification, dehumidification, ventilation, air purification and heating & cooling in 1 system
- 3 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment. Detection is done in 3 directions: left, front and right. If no people are detected, the unit will automatically switch over to the energy-efficient
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- No need to clean filters, thanks to the self cleaning filter
- Seasonal efficiency values: full range A+++ in cooling and heating
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- Reddot design award winner 2013



FTXZ-N

RXZ-N

ARC477A1

Efficiency data				FTXZ + RXZ	25N + 25N	35N + 35N	50N + 50N
Cooling capacity	Min./Nom./Max.			kW	0.6/2.5/3.9	0.6/3.5/5.3	0.6/5.0/5.8
Heating capacity	Min./Nom./Max.			kW	0.6/3.6/7.5	0.6/5.0/9.0	0.6/6.3/9.4
Power input	Cooling		Min./Nom./Max.	kW	0.11/0.41/0.88	0.11/0.66/1.33	0.11/1.10/1.60
	Heating		Min./Nom./Max.	kW	0.10/0.62/2.01	0.10/1.00/2.53	0.10/1.41/2.64
Space cooling	Energy efficiency class					A+++	
	Capacity		Pdesign	kW	2.50	3.50	5.00
	SEER				9.54	9.00	8.60
	Annual energy consumption			kWh/a	92	136	203
Space heating (Average climate)	Energy efficiency class					A+++	
	Capacity		Pdesign	kW	3.50	4.50	5.60
	SCOP/A				5.90	5.73	5.50
	Annual energy consumption			kWh/a	831	1,100	1,427
Nominal efficiency	EER				6.10	5.30	4.55
	COP				5.80	5.00	4.47
	Annual energy consumption			kWh	205	330	550
	Energy labeling Directive		Cooling/Heating			A/A	

Indoor unit				FTXZ	25N	35N	50N
Dimensions	Unit	HeightxWidthxDepth		mm		295x798x372	
Weight	Unit			kg		15	
Air filter	Type					Auto cleaning filter	
Fan	Air flow rate	Cooling	Silent operation/Low/High	m^3/min	4.0/5.3/10.7	4.0/5.6/12.1	4.6/6.6/15.0
		Heating	Silent operation/Low/High	m^3/min	4.8/6.7/11.7	4.8/6.9/13.3	5.9/7.7/14.4
Sound power level	Cooling			dBA	54	57	60
	Heating			dBA	56	57	59
Sound pressure level	Cooling	Silent operation/Low/Nom./High		dBA	19/26/33/38	19/27/35/42	23/30/38/47
	Heating	Silent operation/Low/Nom./High		dBA	19/28/35/39	19/29/36/42	24/31/38/44
Control systems	Infrared remote control					ARC477A1	
	Wired remote control					-	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	

Outdoor unit				RXZ	25N	35N	50N
Dimensions	Unit	HeightxWidthxDepth		mm		693x795x300	
Weight	Unit			kg		50	
Sound power level	Cooling			dBA	59	61	63
	Heating			dBA	59	61	64
Sound pressure level	Cooling	High		dBA	46	48	49
	Heating	High		dBA	46	48	50
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~43	
	Heating	Ambient	Min.~Max.	°CWB		-20~18	
Refrigerant	Type					R-32	
	GWP					675	
	Charge			kg/TCO2Eq		1.34/0.9	
Piping connections	Liquid	OD		mm		6.35	
	Gas	OD		mm		9.5	
	Piping length	OU - IU	Max.	m		10	
	Level difference	IU - OU	Max.	m		8	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A		16	





Stylish where innovation meets creativity



White FTXA-AW



Silver FTXA-AS



Blackwood FTXA-AT

Available in 3 colours

› Users can choose from **three distinct colours** (white, silver and blackwood)
› **Curved corners** create an unobtrusive and space-saving design
› **Thin dimensions** make it the most compact design unit on the market
› Simple panel enables variation in texture and colour to easily blend into any room
› Award winning design: Stylish earned the Good Design Award and iF award for its innovative look and functional capabilities

GOOD DESIGN

DESIGN AWARD 2018

reddot award 2018 winner

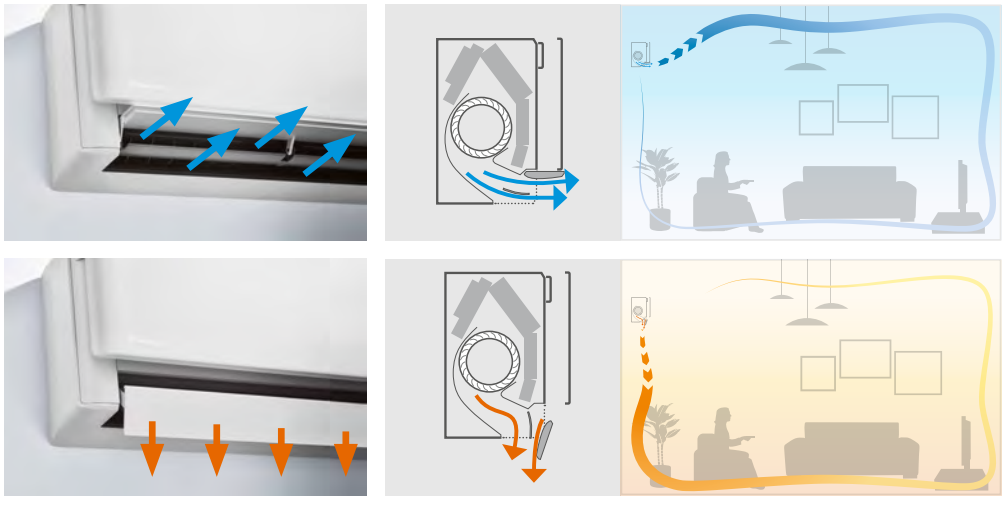
The Coanda effect

Already present in the Ururu Sarara, the **Coanda effect** optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.

How it works

Stylish determines the airflow pattern based on whether the room needs heating or cooling. When Stylish is in heating mode, two flaps will direct air downward (vertical airflow), while in cooling mode the flaps will move air upward (ceiling airflow).

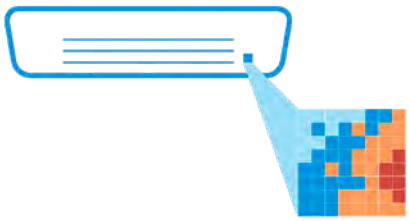
By creating two different airflow patterns, Stylish prevents draughts and establishes a more stable and comfortable room temperature for occupants.



The Coanda effect creates two different airflow patterns depending on whether Stylish is in cooling or heating mode. On the top is the Coanda effect in cooling mode (ceiling airflow), while the bottom images demonstrate the Coanda effect in heating mode (vertical airflow).





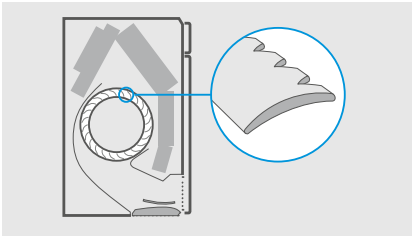


The intelligent thermal sensor measures the surface temperature of a room by dividing it into a grid with 64 different squares.

Intelligent thermal sensor

Stylish uses a **intelligent thermal sensor** to detect the surface temperature of a room to create a more comfortable climate.

After determining the current room temperature, the intelligent thermal sensor distributes air evenly hroughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it.

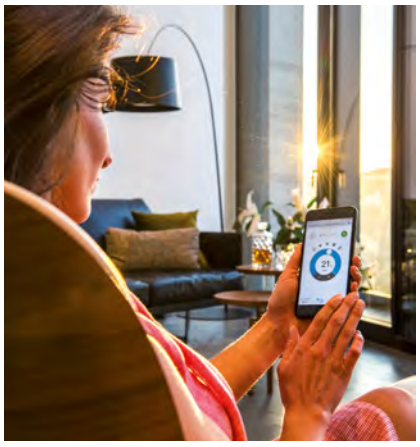


Sound dispersion and noise reduction are the results of new fan design.

Quiet operation

Stylish uses a **newly designed fan** to optimise airflow for higher energy efficiency at low sound levels.

To achieve higher energy efficiency, Daikin designed a new fan that runs efficiently within Stylish's compact dimensions. Together, the fan and heat exchanger attain top energy performance but operate at a sound level that is practically inaudible to occupants.



Daikin Online Controller Integrated WLAN adapter

You can also manage Stylish using your smartphone. Simply connect to Wi-Fi and download the Daikin Online Controller app to begin creating your perfect climate.

Your benefits

› Access several features to control your climate
› Manage the temperature, operating mode, air purification and fans with interactive thermostat
› Create different schedules and operation modes
› Monitor energy consumption
› Compatible with the If This Then That (IFTTT) app

BLUEVOLUTION stylish

Wall mounted unit

Where innovation meets creativity

- A compact and functional design suitable for all interiors in a white, silver and blackwood coloured elegant finish
- The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- Powerful air purification increases indoor air quality with Daikin Flash Streamer technology
- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Online controller: control your indoor from any location with an app, via your local network or internet
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A+++ in cooling and heating



GOOD DESIGN

DESIGN AWARD 2018

reddot award 2018 winner

Efficiency data				FTXA + RXA	CTXA15 AS/W/T	20AW +20A	20AS +20A	20AT +20A	25AW +25A	25AS +25A	25AT +25A	35AW +35A	35AS +35A	35AT +35A	42AW +42B	42AS +42B	42AT +42B	50AW +50B	50AS +50B	50AT +50B
Cooling capacity	Min./Nom./Max.			kW	Connectable to multi outdoor units only	1.3/2.0/2.6			1.3/2.5/3.2			1.4/3.4/4.0			1.7/4.2/5.0			1.7/5.0/5.3		
Heating capacity	Min./Nom./Max.			kW		1.30/2.50/3.50			1.30/2.80/4.70			1.40/4.00/5.20			1.70/5.40/6.00			1.70/5.80/6.50		
Power input	Cooling	Min./Nom./Max.		kW		0.27/0.43/0.63			0.27/0.56/0.78			0.31/0.78/1.04			-/1.05/-			-/1.36/-		
	Heating	Min./Nom./Max.		kW		0.25/0.50/0.91			0.25/0.56/1.22			0.26/0.99/1.67			-/1.31/-			-/1.45/-		
Space cooling	Energy efficiency class					A+++									A++					
	Capacity	Pdesign		kW		2.00			2.50			3.40			4.20			5.00		
	SEER					8.75			8.74			8.73			7.50			7.33		
	Annual energy consumption			kWh/a		80			101			137			196			239		
Space heating (Average climate)	Energy efficiency class					A+++									A++					
	Capacity	Pdesign		kW		2.40			2.45			2.50			3.80			4.00		
	SCOP/A					5.15									4.60					
	Annual energy consumption			kWh/a		653			666			680			1,150			1,217		
Nominal efficiency	EER					4.70			4.46			4.37			3.99			3.68		
	COP					5.00						4.04			4.12			4.00		
	Energy labeling Directive	Cooling/Heating				A/A														

Indoor unit				FTXA	CTXA15AS/W/T	20A	25A	35A	42A	50A
Dimensions	Unit	HeightxWidthxDepth		mm	295x798x189					
Weight	Unit			kg	12					
Air filter	Type				Removable / washable					
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.6 / 6.1 / 8.2 / 11.0	4.6/6.1/8 /11.0	4.6/6.1/9 /11.5	4.6/6.1/9 /11.9	4.6/7.2/10 /13.1	5.2/7.6/10 /13.5
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.5/6.4/8.7 /10.9		4.5/6.4/9.0 /11.1	4.5/6.4/9.0 /11.5	5.2/7.7/10.5 /14.6	5.7/8.2/11.1 /15.1
Sound power level	Cooling			dBA	57			60		
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/39		19/25/40	19/25/41	21/29/45	24/31/46
	Heating	Silent operation/Low/High		dBA	19/25/39		19/25/40	19/25/41	21/29/45	24/31/46 24/33/46
Control systems	Infrared remote control				ARC466A58					
	Wired remote control				BRC073					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					

Outdoor unit				RXA		20A	25A	35A	42B	50B
Dimensions	Unit	HeightxWidthxDepth		mm	Connectable to multi outdoor units only	550x765x285			734x870x373	
Weight	Unit			kg		32			50	
Sound power level	Cooling			dBA		59		61	62.0	
	Heating			dBA		59		61	62.0	
Sound pressure level	Cooling	Nom.		dBA		46		49	48.0	
	Heating	Nom.		dBA		47		49	48.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~46				
	Heating	Ambient	Min.~Max.	°CWB		-15~18				
Refrigerant	Type					R-32				
	GWP					675.0				
	Charge			kg/TCO2Eq		0.76/0.52			1.10/0.75	
Piping connections	Liquid	OD		mm		635			64	
	Gas	OD		mm		9.50			12.7	
	Piping length	OU - IU	Max.	m		20			30	
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 10m)				
	Level difference	IU - OU	Max.	m		15.0			20	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240				
Current - 50Hz	Maximum fuse amps (MFA)			A		10	13		-	



Unexpected. stylish

Superior air conditioners in 3 colour variations

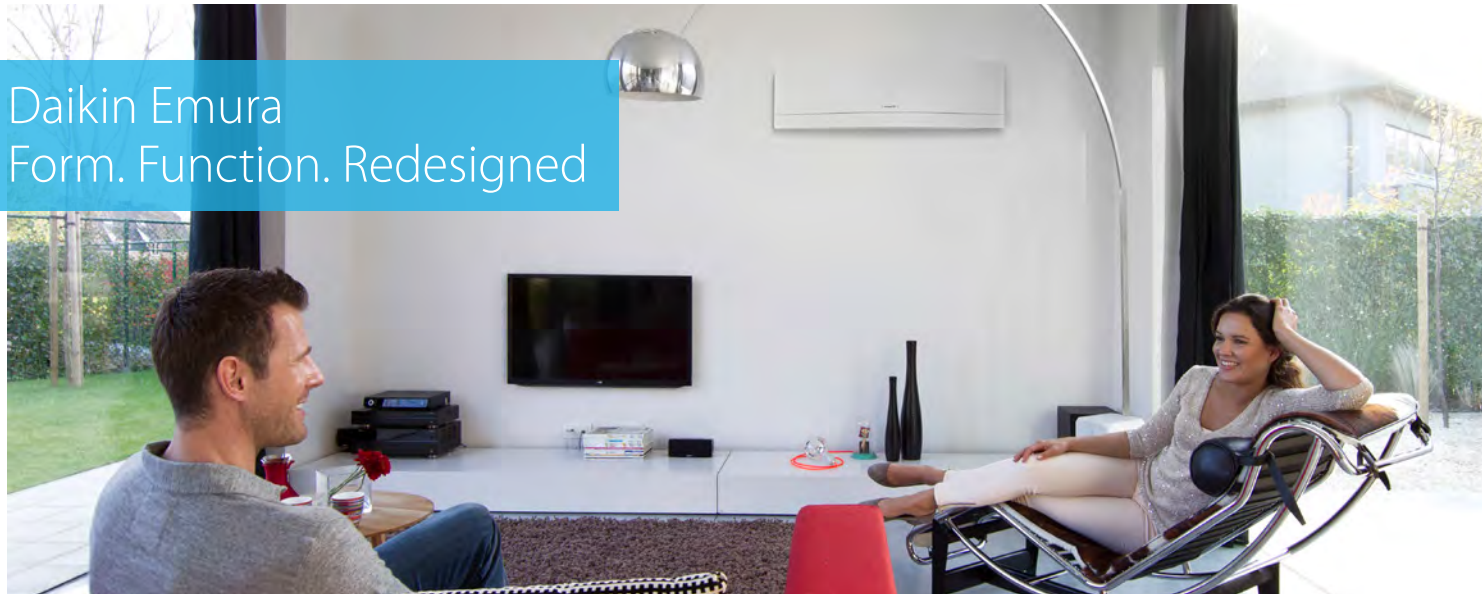
Complete your customer's home by choosing our stylish air conditioners in one of the special colours! Discreet and fresh design melted with various comfort features guarantee a perfect room atmosphere. Let your customer enjoy this affordable luxury, controllable via smartphone! Newest technology with top efficiencies up to A+++ in cooling and heating* make the decision easy.

* LOT 10: energy label classification from A+++ to D



JOIN THE MISSION
BLUEVOLUTION
DAIKIN

There is only one first choice: www.daikin.eu



Daikin Emura
Form. Function. Redesigned

Why choose Daikin Emura?

- Unique **design**
  Designed in Europe for Europe.
- High seasonal **efficiency**, further improved by energy saving techniques like weekly timer and motion detection sensor
- Optimal **comfort** thanks to advanced technologies e.g. 2-area motion detection sensor, whisper quiet operation and online controller

Supporting tools

Business portal

› Experience our new extranet that thinks with you at my.daikin.eu
› Find information in seconds via a powerful search
› Customise the options so you see only info relevant for you
› Access via mobile device or desktop

Internet

› Visit the website: www.daikinemura.eu

Literature

› See all literature available on www.daikineurope.com/support-and-manuals/catalogues

Benefits

› A remarkable blend between iconic design and engineering excellence
› Stylish design in matt crystal white and silver
› The choice between R-32 and R-410A model
› Whisper quiet with sound levels down to 19 dBA
› Horizontal and vertical autoswing
› 2-area motion detection sensor saves energy by reducing the set point if nobody is present and directs airflow away from people, thus avoiding cold draught
› Weekly timer
› Guaranteed operation down to -25°C (with RXLG-M)
› Connectable to pair, multi and (mini) VRV
› Online controller: Always in control no matter where you are

Unique design

Daikin is the only manufacturer offering a design model designed in Europe for the European market, using European technical and design standards to meet exactly with the customer's needs. Daikin Europe N.V. is also proud to announce that Daikin Emura has been awarded with several design awards.

Improved energy efficiency

Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season. The label includes multiple classifications from A+++ to G. Daikin Emura achieves high energy efficiencies:
› SEER up to A+++
› SCOP up to A++

Lowest environmental impact

› Available in R-32
R-32

Comfort

› 2-Area motion detection sensor: Air flow is sent to a zone other than where the person is located at that moment. If no people are detected, the unit will automatically switch over to the energy efficient setting.
› Whisper quiet: Daikin Emura is whisper quiet with sound levels down to 19dBA.



GOOD DESIGN
German Design Award SPECIAL MENTION 2015
Focus Open 2014 Silver
reddot award 2014 winner
iF DESIGN AWARD 2015

BLUEVOLUTION

DAIKIN emura

Wall mounted unit

Design at its best, delivering superior efficiency and comfort

- Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white and silver
- Daikin Emura has been awarded many times, thanks to its excellent design
- Silver allergen removal and air purifying filter: captures allergens such as pollen and dust mites.
- Online controller: control your indoor from any location with an app, via your local network or internet
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- 2 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A+++ in cooling and heating



- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces

Efficiency data				FTXJ + RXJ	20MW + 20M	20MS + 20M	25MW + 25M	25MS + 25M	35MW + 35M	35MS + 35M	50MW + 50N	50MS + 50N
Cooling capacity	Min./Nom./Max.			kW	-/2.3/-		-/2.4/-		-/3.5/-		1.40/4.80/5.50	
Heating capacity	Min./Nom./Max.			kW	-/2.5/-		-/3.2/-		-/4/-		1.10/5.80/7.00	
Power input	Cooling		Nom.	kW	0.50		0.51		0.86		1.43	
	Heating		Nom.	kW	0.50		0.70		0.99		1.59	
Space cooling	Energy efficiency class				A+++				A++		A++	
	Capacity		Pdesign	kW	2.30		2.40		3.50		4.80	
	SEER				8.73		8.64		7.19		7.02	
	Annual energy consumption			kWh/a	92		97		170		239	
Space heating (Average climate)	Energy efficiency class				A++						A+	
	Capacity		Pdesign	kW	2.10		2.70		3.00		4.60	
	SCOP/A				4.61		4.60				4.28	
	Annual energy consumption			kWh/a	638		822		913		1,505	
Nominal efficiency	EER				4.64		4.73		4.09		3.35	
	COP				5.00		4.57		4.04		3.65	
	Annual energy consumption			kWh	248		254		428		-	
	Energy labeling Directive		Cooling/Heating		A/A							

Indoor unit				FTXJ	20MW	20MS	25MW	25MS	35MW	35MS	50MW	50MS
Dimensions	Unit	HeightxWidthxDepth		mm	303x998x212							
Weight	Unit			kg	12.0							
Air filter	Type				Removable / washable							
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	2.6/4.4/6.6 /8.9				2.9/4.8/7.8 /10.9		3.6/6.8/8.9 /10.9	
		Heating	Silent operation/ Low/Medium/High	m^3/min	3.8/6.3/8.4 /10.2		3.8/6.3/8.6 /11.0		4.1/6.9/9.6 /12.4		5.0/8.1/10.5 /12.6	
Sound power level	Cooling			dBA	54				59		60	
	Heating			dBA	56				59		60	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/25/38				20/26/45		32/35/46	
	Heating	Silent operation/Low/High		dBA	19/28/40		19/28/41		20/29/45		32/35/47	
Control systems	Infrared remote control				ARC466A9							
	Wired remote control				-							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240							

Outdoor unit				RXJ	20M	20M	25M	25M	35M	35M	50N	50N
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285						734x870x373	
Weight	Unit			kg	34						50	
Sound power level	Cooling			dBA	61				63		63.0	
	Heating			dBA	62				63		63.0	
Sound pressure level	Cooling	Nom./High		dBA	-/46				-/48		48.0/-	
	Heating	Nom./High		dBA	-/47				-/48		48.0/-	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46							
	Heating	Ambient	Min.~Max.	°CWB	-15~18							
Refrigerant	Type				R-32							
	GWP				675							
	Charge			kg/TCO2Eq	0.72/0.5						1.15/0.78	
Piping connections	Liquid	OD		mm	6.35						64	
	Gas	OD		mm	9.5						12.7	
	Piping length	OU - IU	Max.	m	20						30	
		System	Chargeless	m	10						-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)							
	Level difference	IU - OU	Max.	m	15						20	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240							
Current - 50Hz	Maximum fuse amps (MFA)			A	10						-	

BLUEVOLUTION perfera

Wall mounted unit

Attractive, wall mounted design with perfect indoor air quality

- Seasonal efficiency values up to A+++ in cooling and heating
- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- 2 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.
- NEW - STANDARD INCLUDED Online controller: control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces

Efficiency data				FTXM + RXM	CTXM15N	20N + 20N9	25N + 25N9	35N + 35N9	42N + 42N9	50N + 50N9	60N + 60N9	71N + 71N
Cooling capacity	Min./Nom./Max.			kW	Only available in multi model application	1.3/2.0/2.6	1.3/2.5/3.2	1.4/3.4/4.0	1.70/4.20/5.00	1.70/5.00/6.0	1.7/6.00/7.0	2.30/7.10/8.50
Heating capacity	Min./Nom./Max.			kW		1.30/2.50/3.50	1.30/2.80/4.70	1.40/4.00/5.20	1.70/5.40/6.00	1.70/5.80/7.7	1.70/7.00/8.00	2.30/8.20/10.20
Power input	Cooling		Min./Nom./Max.	kW		-						
	Heating		Min./Nom./Max.	kW		-						
Space cooling	Energy efficiency class					A+++			A++			
	Capacity		Pdesign	kW		2.00	2.50	3.40	4.20	5.00	6.00	7.10
	SEER					8.65			7.86	7.41	6.90	6.20
	Annual energy consumption			kWh/a		-						
Space heating (Average climate)	Energy efficiency class					A+++			A++		A+	
	Capacity		Pdesign	kW		2.30	2.50	2.50	4.00	4.60	4.80	6.20
	SCOP/A					5.10	5.10	5.10	4.71		4.30	4.10
	Annual energy consumption			kWh/a		-						
Nominal efficiency	EER					4.57	4.50	4.23	3.75	3.68	3.39	3.03
	COP					5.00		4.04	4.12	4.00	3.61	3.19
	Annual energy consumption			kWh		-						
	Energy labeling Directive		Cooling/Heating			-						

Indoor unit				FTXM	CTXM15N	20N	25N	35N	42N	50N	60N	71N
Dimensions	Unit	HeightxWidthxDepth		mm		-						
Weight	Unit			kg		-						
Air filter	Type					-						
Fan	Air flow rate	Cooling	Silent operation/Low/High	m^3/min		-						
		Heating	Silent operation/Low/High	m^3/min		-						
Sound power level	Cooling			dBA		57		60		59	60	60
	Heating			dBA		54			60	58	59	61
Sound pressure level	Cooling	Silent operation/Low/Nom./High		dBA		19/41		19/45	21/45	44/27	30/46	32/47
	Heating	Silent operation/Low/Nom./High		dBA		20/39			21/45	31/43	33/45	34/46
Control systems	Infrared remote control					ARC466A33						
	Wired remote control					BRC944B2 / BRC073A1				BRC944B2 / BRC073		
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240						

Outdoor unit				RXM	CTXM15N	20N9	25N9	35N9	42N9	50N9	60N9	71N
Dimensions	Unit	HeightxWidthxDepth		mm	Only available in multi model application	-						
Weight	Unit			kg		-						
Sound power level	Cooling			dBA		59	58	61	62.0		63.0	66
	Heating			dBA		59		61	62.0		63.0	67
Sound pressure level	Cooling	Nom.		dBA		46		49	48.0			47
	Heating	Nom.		dBA		47		49	48.0	49.0		48
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~50						-10~46
	Heating	Ambient	Min.~Max.	°CWB		-20~24						-15-24
Refrigerant	Type					R-32						
	GWP					675.0						
	Charge			kg/TCO2Eq		-						
Piping connections	Liquid	OD		mm		-						
	Gas	OD		mm		-						
	Piping length	OU - IU	Max.	m		-						
		System	Chargeless	m		-						
	Additional refrigerant charge			kg/m		-						
	Level difference	IU - OU	Max.	m		-						
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240						
Current - 50Hz	Maximum fuse amps (MFA)			A		-						

*Note: blue cells contain preliminary data

BLUEVOLUTION comfora

Wall mounted unit

Discreet wall mounted unit providing high efficiency and comfort

NEW › Practically inaudible: the unit runs so quietly, you will almost forget it is there.
› Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
NEW › Silver allergen removal and air purifying filter: captures allergens such as pollen and dust mites.
NEW › 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
› The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
› Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
› Seasonal efficiency values up to A++ in cooling and heating



› Space saving contemporary wall mounted design

Efficiency data				FTXP + RXP	20M + 20M	25M + 25M	35M + 35M	50M + 50M	60M + 60M	71M + 71M
Cooling capacity	Min./Nom./Max.			kW	1.3/2.00/2.6	1.3/2.50/3.0	1.3/3.50/4.0	1.7/5.0/6.0	1.7/6.0/7.0	2.3/7.1/7.3
Heating capacity	Min./Nom./Max.			kW	1.30/2.50/3.50	1.30/3.00/4.00	1.30/4.00/4.80	1.7/6.0/7.70	1.7/7.0/8.00	2.3/8.2/9.00
Power input	Cooling		Min./Nom./Max.	kW	-					
	Heating		Min./Nom./Max.	kW	-					
Space cooling	Energy efficiency class				A++					
	Capacity		Pdesign	kW	2.00	2.50	3.50	5.00	6.00	7.10
	SEER				6.79	6.92	6.62	7.30	6.82	6.20
	Annual energy consumption			kWh/a	-					
Space heating (Average climate)	Energy efficiency class				A++			A+		
	Capacity		Pdesign	kW	2.20	2.40	2.80	4.60	4.80	6.20
	SCOP/A				4.65	4.61	4.64	4.40	4.10	4.01
	Annual energy consumption			kWh/a	-					
Nominal efficiency	EER				4.02	3.83	3.49	3.61	3.29	2.64
	COP				4.77	4.36	4.02	3.80	3.63	3.19
	Annual energy consumption			kWh	-					
	Energy labeling Directive		Cooling/Heating		-/-					

Indoor unit				FTXP	20M	25M	35M	50M	60M	71L
Dimensions	Unit	HeightxWidthxDepth		mm	286x770x225			295x990x263		
Weight	Unit			kg	9.00			13.5		
Air filter	Type				-					
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.4/5.9/7.9 /9.8	4.4/6.1/8.1 /10.1	4.5/6.3/8.3 /11.5	10.5/11.9/14.4 /16.8	10.7/12.2/14.8 /17.3	
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.3/6.5/8.4 /10.3	5.3/6.7/8.6 /10.3	5.3/7.0/9.0 /11.5	10.7/12.2/14.8 /17.3	11.3/12.8/15.8 /17.9	
Sound power level	Cooling			dBA	55		58	59	60	62
	Heating			dBA	55		58	61	62	
Sound pressure level	Cooling	Silent/Low/Nom./High		dBA	19/25/33/39	19/26/33/40	19/27/34/43	27/34/39/43	30/36/41/45	32/37/42/46
	Heating	Silent/Low/Nom./High		dBA	21/28/34/39	21/28/34/40	21/29/35/40	30/33/38/42	32/35/40/44	33/36/41/45
Control systems	Infrared remote control				ARC480A11					
	Wired remote control				BRC944B2 / BRC073A1			BRC073A1		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					

Outdoor unit				RXP	20M	25M	35M	50M	60M	71M
Dimensions	Unit	HeightxWidthxDepth		mm	550x658x320			734x870x373		
Weight	Unit			kg	28			48	50.0	
Sound power level	Cooling			dBA	60		62	61	63	66
	Heating			dBA	61		62	61	63	65
Sound pressure level	Cooling	High		dBA	46		48	47	49	52
	Heating	High		dBA	47		48	49		52
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~18					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg/TCO2Eq	-					
Piping connections	Liquid	OD		mm	-					
	Gas	OD		mm	-					
	Piping length	OU - IU	Max.	m	-					
	Additional refrigerant charge			kg/m	-					
	Level difference	IU - OU	Max.	m	-					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					
Current - 50Hz	Maximum fuse amps (MFA)			A	-					

*Note: blue cells contain preliminary data

BLUEVOLUTION sensira

Wall mounted unit

Wall mounted unit for low energy consumption and pleasant comfort

› Seasonal efficiency values up to A++ in cooling
› Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
› Quiet in operation down to 21 dBA
› Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



FTXF-A



RXF20-35A



BRC52A



BRP069

Efficiency data				FTXF + RXF	20A + 20A	25A + 25A	35A + 35A	50A + 50B	60A + 60B	71A + 71A
Cooling capacity	Min./Nom./Max.			kW	1.3/2.00/2.6	1.3/2.50/3.0	1.3/3.30/3.8	1.7/5.0/6.0	1.7/6.0/7.0	2.3/7.1/7.3
Heating capacity	Min./Nom./Max.			kW	1.30/2.50/3.50	1.30/2.80/4.00	1.30/3.50/4.80	1.7/6.0/7.70	1.7/6.4/8.00	2.3/8.2/9.00
Power input	Cooling		Min./Nom./Max.	kW	0.31/0.51/0.72	0.31/0.76/1.05	0.29/1.00/1.30	0.320/1.502/1.826	0.332/1.846/2.980	0.449/2.773/3.274
	Heating		Min./Nom./Max.	kW	0.25/0.60/0.95	0.25/0.70/1.11	0.29/0.94/1.29	0.440/1.617/2.356	0.456/1.628/2.787	0.617/2.603/3.306
Space cooling	Energy efficiency class				A++					A
	Capacity		Pdesign	kW	2.00	2.50	3.50	5.00	6.00	7.10
	SEER				6.15	6.22	6.21		6.15	5.15
	Annual energy consumption			kWh/a	114	141	197	282	342	483
Space heating (Average climate)	Energy efficiency class				A+					A
	Capacity		Pdesign	kW	2.20	2.40	2.80	4.60	4.80	6.20
	SCOP/A				4.10	4.06				3.81
	Annual energy consumption			kWh/a	751	827	965	1,585	1,653	2,278
Nominal efficiency	EER				3.94	3.30		3.33	3.25	2.56
	COP				4.19	4.01	3.71		3.93	3.15
	Annual energy consumption			kWh	-			751	923	1,387
	Energy labeling Directive		Cooling/Heating		A/A				-/-	

Indoor unit				FTXF	20A	25A	35A	50A	60A	71A
Dimensions	Unit	HeightxWidthxDepth		mm	286x770x225			295x990x263		
Weight	Unit			kg	9.00			13.5		
Air filter	Type				Removable / washable					
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.4/5.9/7.9 /9.8	4.4/6.1/8.1 /10.1	4.5/6.3/8.3 /11.5	10.5/11.9/14.4 /16.8	10.7/12.2/14.8 /17.3	
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.3/6.5/8.4 /10.3	5.3/6.7/8.6 /10.3	5.3/7.0/9.0 /11.5	10.7/12.2/14.8 /17.3	11.3/12.8/15.8 /17.9	
Sound power level	Cooling			dBA	55		58	59	60	62
	Heating			dBA	55		58	61	62	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	20/25/39	20/26/40	20/27/43	31/34/43	33/36/45	34/37/46
	Heating	Silent operation/Low/High		dBA	21/28/39	21/28/40	21/29/40	30/33/42	32/35/44	33/36/45
Control systems	Infrared remote control				ARC470A1					
	Wired remote control				BRC944B2 / BRC073A1			BRC073A1		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					

Outdoor unit				RXF/RXF	20A	25A	35A	50B	60B	71A
Dimensions	Unit	HeightxWidthxDepth		mm	550x658x275			734x870x373		
Weight	Unit			kg	26		28	46.0	50.0	
Sound power level	Cooling			dBA	60		62	61	63	66
	Heating			dBA	61		62	61	63	65
Sound pressure level	Cooling	Nom./High		dBA	-/46		-/48	47/-	49/-	52/-
	Heating	Nom./High		dBA	-/47		-/48	49/-		52/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~25					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg/TCO2Eq	0.65/0.44		0.70/0.48	0.90/0.61	1.15/0.78	
Piping connections	Liquid	OD		mm	635			64		
	Gas	OD		mm	9.5			12.7		
	Piping length	OU - IU	Max.	m	15			30		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)					
	Level difference	IU - OU	Max.	m	12			20		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					
Current - 50Hz	Maximum fuse amps (MFA)			A	-					

BLUEVOLUTION

sensira

Wall mounted unit

NEW

Wall mounted unit, offering good value for money

- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Seasonal efficiency values up to A++ in cooling
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



FTXC25-35B



RXC25-35B



BRC52B66



BRP069

Efficiency data				**FTXC + RXC**	**20B + 20B**	**25B + 25B**	**35B + 35B**	**50B + 50B**	**60B + 60B**	**71B + 71B**
Cooling capacity	Min./Nom./Max.			kW	1.30/2.00/3.00	1.30/2.56/3.00	1.30/3.50/4.00	1.37/5.10/6.20	1.80/6.23/7.00	2.30/7.10/7.30
Heating capacity	Min./Nom./Max.			kW	1.30/2.50/4.00	1.30/2.84/4.00	1.30/4.00/4.80	1.36/5.62/6.60	1.48/6.40/8.00	2.30/8.00/9.00
Power input	Heating		Nom.	kW	-					
Space cooling	Energy efficiency class				A++					A
	Capacity		Pdesign	kW	-					
	SEER				6.85	6.80	6.70	6.29	6.40	5.30
	Annual energy consumption			kWh/a	-					
Space heating (Average climate)	Energy efficiency class				A+					A
	Capacity		Pdesign	kW	-					
	SCOP/A				4.40	4.45	4.28	4.39	4.21	3.81
	Annual energy consumption			kWh/a	-					
Nominal efficiency	EER				3.35	3.33	3.35	3.29	3.30	2.60
	COP				3.71	3.79	3.74	3.71	3.81	3.15

Indoor unit				**FTXC**	**20B**	**25B**	**35B**	**50B**	**60B**	**71B**
Dimensions	Unit	HeightxWidthxDepth		mm	288x770x231				297x990x271	
Weight	Unit			kg	-					
Air filter	Type				Catechin filter + Titanium apatite deodorising filter					
Fan	Air flow rate	Cooling	Silent operation/Low/ Medium/High/Super high	m^3/min	-					
		Heating	Silent operation/Low/ Medium/High/Super high	m^3/min	-					
Sound power level	Cooling			dBA	-					
Sound pressure level	Cooling	Silent operation/Low/High/Super high		dBA	20/25/33/38		21/26/34/39	29/33/39/45	30/38/42/46	35/38/42/47
Control systems	Infrared remote control				-					
	Wired remote control				-					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					

Outdoor unit				**RXC**	**20B**	**25B**	**35B**	**50B**	**60B**	**71B**
Dimensions	Unit	HeightxWidthxDepth		mm	550x658x273			615x845x300		695x930x350
Weight	Unit			kg	-					
Sound power level	Cooling			dBA	-					
Sound pressure level	Cooling	High		dBA	45		46	51	54	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10~46			-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18					
Refrigerant	Type				R-32					
	GWP				675					
	Charge			kg/TCO2Eq	-					
Piping connections	Liquid	OD		mm	-					
	Gas	OD		mm	-					
	Piping length	OU - IU	Max.	m	20			30		
		System	Chargeless	m	7.5					
	Additional refrigerant charge			kg/m	-					
	Level difference	IU - OU	Max.	m	15			20		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					
Current - 50Hz	Maximum fuse amps (MFA)			A	-					

*Note: blue cells contain preliminary data

BLUEVOLUTION

Concealed ceiling unit

Compact concealed ceiling unit, with a height of only 200mm

- Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- Unified indoor unit range for R-32 and R-410A
- Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Low energy consumption thanks to DC fan motor



Efficiency data				FDXM + RXM	25F9 + 25N9	35F9 + 35N9	50F9 + 50N9	60F9 + 60N9
Cooling capacity	Min./Nom./Max.			kW	-/2.40/-	-/3.40/-	1.70/5.00/5.30	1.70/6.00/6.50
Heating capacity	Min./Nom./Max.			kW	-/3.20/-	-/4.00/-	1.70/5.80/6.00	1.70/7.00/7.10
Power input	Cooling		Nom.	kW	0.64	1.14	1.63	2.05
	Heating		Nom.	kW	0.80	1.15	1.87	2.18
Space cooling	Energy efficiency class				A+	A	A+	A
	Capacity		Pdesign	kW	2.40	3.40	5.00	6.00
	SEER				5.68	5.26	5.77	5.56
	Annual energy consumption			kWh/a	148	226	303	378
Space heating (Average climate)	Energy efficiency class				A+	A		
	Capacity		Pdesign	kW	2.60	2.90	4.00	4.60
	SCOP/A				4.24	3.88	3.93	3.80
	Annual energy consumption			kWh/a	858	1,046	1,424	1,693
Nominal efficiency	EER				3.77	2.98	3.06	2.93
	COP				4.00	3.48	3.10	3.21
	Annual energy consumption			kWh	318	570	816	1,024
	Energy labeling Directive		Cooling/Heating		A/A	C/B	B/D	C/C

Indoor unit				FDXM	25F9	35F9	50F9	60F9
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620		200x1,150x620	
Weight	Unit			kg	21		28	
Air filter	Type				Removable / washable			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	7.3/8.0 /8.7		13.3/14.6 /15.8	13.5/14.8 /16.0
		Heating	Low/Medium/High	m^3/min	7.3/8.0 /8.7		13.3/14.6 /15.8	13.5/14.8 /16.0
	External static pressure	Nom.		Pa	30		40	
Sound power level	Cooling			dBA	53		55	56
	Heating			dBA	53		55	56
Sound pressure level	Cooling	Low/High		dBA	27/35		30/38	
	Heating	Low/High		dBA	27/35		30/38	
Control systems	Infrared remote control				-			
	Wired remote control				-			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			

Outdoor unit				RXM	25N9	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth		mm	-			
Weight	Unit			kg	-			
Sound power level	Cooling			dBA	58	61	62.0	63.0
	Heating			dBA	59	61	62.0	63.0
Sound pressure level	Cooling	Nom.		dBA	46	49	48.0	
	Heating	Nom.		dBA	47	49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50			
	Heating	Ambient	Min.~Max.	°CWB	-20~24			
Refrigerant	Type				R-32			
	GWP				675.0			
	Charge			kg/TCO2Eq	-			
Piping connections	Liquid	OD		mm	-			
	Gas	OD		mm	-			
	Piping length	OU - IU	Max.	m	-			
		System	Chargeless	m	-			
	Additional refrigerant charge			kg/m	-			
	Level difference	IU - OU	Max.	m	-			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			

*Note: blue cells contain preliminary data

Floor standing unit

Floor standing unit for optimal heating comfort thanks to dual airflow

- Seasonal efficiency values up to A++ in cooling
- Its low height (620 mm) enables the unit to fit perfectly beneath a window
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Quiet operation: down to 23dBA sound pressure level
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



FVXM25-35-50F



ARC452A1





RXM20-35N9

Efficiency data				FVXM + RXM	25F + 25N9	35F + 35N9	50F + 50N9
Cooling capacity	Nom.			kW	2.50	3.50	1.40/5.00/5.60
Heating capacity	Nom.			kW	3.40	4.50	1.40/5.80
Power input	Cooling		Nom.	kW	0.60	1.09	1.55
	Heating		Nom.	kW	0.77	1.19	1.60
Space cooling	Energy efficiency class					A++	
	Capacity		Pdesign	kW	2.50	3.50	5.00
	SEER				7.20	6.43	6.80
	Annual energy consumption			kWh/a	120	190	257
Space heating (Average climate)	Energy efficiency class					A+	
	Capacity		Pdesign	kW	2.40	2.90	4.20
	SCOP/A				4.56	4.00	4.00
	Annual energy consumption			kWh/a	737	1,015	1,471
Nominal efficiency	EER				4.20	3.21	3.23
	COP				4.42	3.78	3.63
	Annual energy consumption			kWh	298	545	773
	Energy labeling Directive		Cooling/Heating			A/A	

Indoor unit				FVXM	25F	35F	50F
Dimensions	Unit	HeightxWidthxDepth		mm		600x700x210	
Weight	Unit			kg		14	
Air filter	Type					Removable / washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.1/4.8/6.5 /8.2	4.5/4.9/6.7 /8.5	6.6/7.8/8.9 /10.1
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.4/5.0/6.9 /8.8	4.7/5.2/7.3 /9.4	7.1/8.5/10.1 /11.8
Sound power level	Cooling			dBA	52		57
	Heating			dBA	52		58
Sound pressure level	Cooling	Silent operation/Low/High		dBA	23/26/38	24/27/39	32/36/44
	Heating	Silent operation/Low/High		dBA	23/26/38	24/27/39	32/36/45
Control systems	Infrared remote control					ARC452A1	
	Wired remote control					-	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-230-240	

Outdoor unit				RXM	25N9	35N9	50N9
Dimensions	Unit	HeightxWidthxDepth		mm		-	
Weight	Unit			kg		-	
Sound power level	Cooling			dBA	58	61	62.0
	Heating			dBA	59	61	62.0
Sound pressure level	Cooling	Nom.		dBA	46	49	48.0
	Heating	Nom.		dBA	47	49	49.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~50	
	Heating	Ambient	Min.~Max.	°CWB		-20~24	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge			kg/TCO2Eq		-	
Piping connections	Liquid	OD		mm		-	
	Gas	OD		mm		-	
	Piping length	OU - IU	Max.	m		-	
		System	Chargeless	m		-	
	Additional refrigerant charge			kg/m		-	
	Level difference	IU - OU	Max.	m		-	
Power supply	Phase/Frequency/Voltage			Hz/V		-	
Current - 50Hz	Maximum fuse amps (MFA)			A		-	

*Note: blue cells contain preliminary data

BLUEVOLUTION

Daikin Altherma hybrid heat pump

Hybrid technology combining gas, air to water and air to air heat pump for heating, cooling and hot water

- Daikin Altherma hybrid heat pump combines air-to-water heat pump technology with gas condensing technology
- Heating only wall mounted indoor unit of air-to-water heat pump
- Wall mounted gas module
- Depending on outdoor temperature, energy prices and internal heat load, Daikin Altherma hybrid heat pump always selects the most economical mode to operate
- Low investment cost: no need to replace the existing radiators (up to 80°C) and pipe work
- Provides sufficient heat in renovation applications as all heat loads are covered up to 32kW
- Easy and fast installation thanks to the compact dimensions and quick interconnections



CHYHBH-AV32 / EHYKOMB-AA2/3

	Wall mounted																	Concealed ceiling								Floor staining			Round flow cassette			Fully flat cassette				Ceiling suspended			Concealed floor standing				Hybrid heat pump	
	CTXA-AW/S/T	FTXA-AW/S/T						FTXJ-MW/S				CTXM-N	FTXM-N						FDXM-F				FDBQ-B	FBA-A9			FVXM-F			FCAG-A			FFA-A9				FHA-A9			FNA-A9				CHYHBH-AV32	
Connectable indoor units	15	20	25	35	42	50	20	25	35	50	15	20	25	35	42	50	60	71	25	35	50	60	25	35	50	60	25	35	50	35	50	60	25	35	50	60	35	50	60	25	35	50	60	05	08
3MXM52N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●		●	●	●		●	●	●	●	●		●	●	●		●	●		●	●	●		●	
3MXM68N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
4MXM68N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
4MXM80N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
5MXM90N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

Efficiency data					CHYHBH05AV32 /3MXM52N	CHYHBH05AV32 /3MXM68N	CHYHBH05AV32 /4MXM68N	CHYHBH05AV32 /4MXM80N	CHYHBH08AV32 /4MXM80N	CHYHBH05AV32 /5MXM90N	CHYHBH08AV32 /5MXM590N
Heating capacity	Nom.			kW	4.41 (1)	4.50 (1)			6.78 (1)	4.50 (1)	6.78 (1)
COP					4.49 (1)	3.91 (1)		4.04 (1)	4.17 (1)	4.04 (1)	4.17 (1)
Pump					51.80 (1)						
Seasonal efficiency	Domestic hot water heating	General	Declared load profile		XL						
		Average climate	ηwh (water heating efficiency)	%	96						
Water heating energy efficiency class					A						

(1) DB/WB 7°C/6°C - LWC 35°C (DT=5°C), boiler bypassed

Indoor Unit (Hydrobox)					CHYHBH05AV32	CHYHBH08AV32
Casing	Colour				White	
	Material				Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	902x450x164	
Weight	Unit			kg	30.0	
Operation range	Heating	Ambient	Min.~Max.	°C	-15 ~24	
		Water side	Min.~Max.	°C	25 ~50	

Indoor unit (Boiler)					EHYKOMB33AA2/AA3
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	6.2 / 7.6 / 7.6 /22.1 / 27.0 / 27.0
	Output Pn at 80/60°C	Min/Nom		kW	6.7 / 8.2 / 8.2 /21.8 / 26.6 / 26.6
	Efficiency	Net calorific value		%	98 / 107
	Operation range	Min/Max		°C	15 /80
Domestic hot water	Output	Min/Nom		kW	7.6/32.7
	Water flow	Rate	Nom	l/min	9.0 / 15.0
	Operation range	Min/Max		°C	40/65
Gas	Connection	Diameter		mm	15
	Consumption (G20)	Min/Max		m^3/h	0.78/3.39
	Consumption (G25)	Min/Max		m^3/h	0.90/3.93
	Consumption (G31)	Min/Max		m^3/h	0.30/1.29
Supply air	Connection			mm	100
	Concentric				1
Flue gas	Connection			mm	60
Casing	Colour				White - RAL9010
	Material				Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth	Casing	mm	710x450x240
Weight	Unit	Empty		kg	36
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230
Electrical power consumption	Max.			W	55
	Standby			W	2

BLUEVOLUTION

Multi model application

- Seasonal efficiency values up to A+++ in cooling and A++ in heating thanks to its up-to-date technology and built-in intelligence
- Up to 5 indoor units can be connected to 1 multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Different types of indoor units can be connected: e.g. wall mounted, ceiling mounted cassette corner, concealed ceiling unit
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



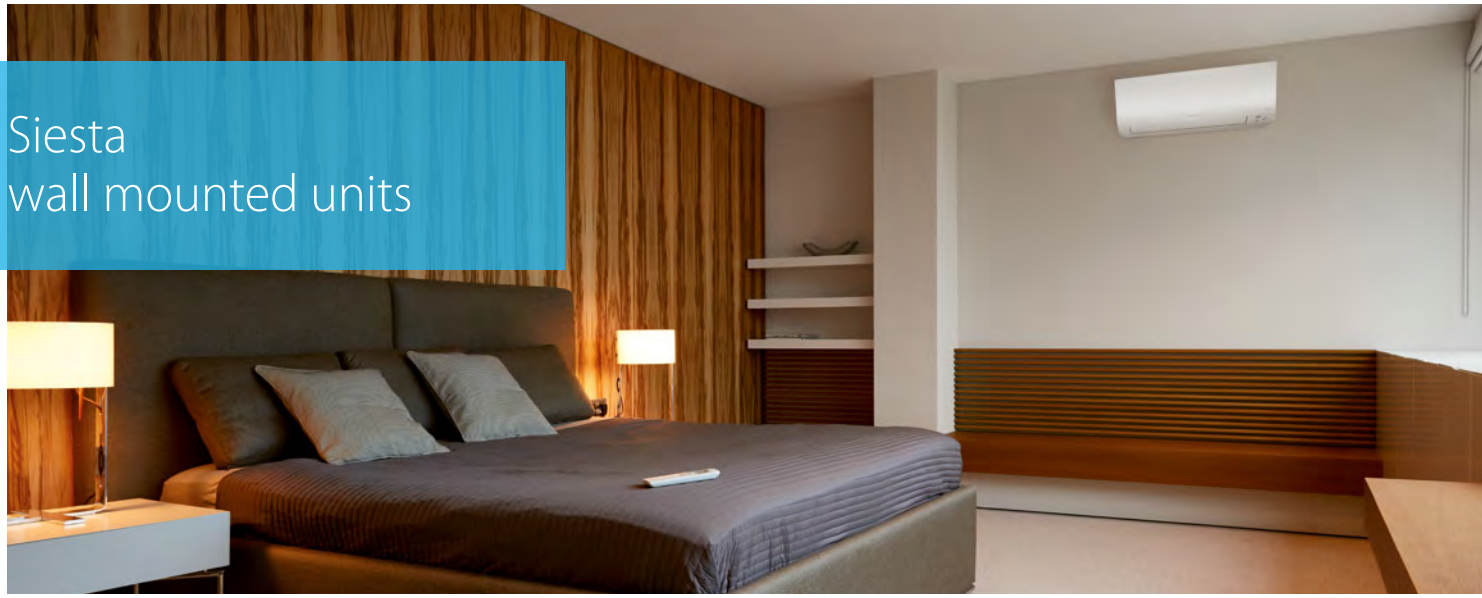
2MXM-M(9)



3/4/5MXM-N

CONNECTABLE INDOOR UNITS	Wall mounted																				Concealed ceiling								Floor stainding			Round flow cassette			Fully flat cassette				Ceiling suspended			Concealed floor standing			
	CTXA-AW/S/T	FTXA-AW/S/T					CTXM-N	FTXM-N							FTXJ-M				FTXP-M			FDXM-F9				FDBQ-9	FBA-A9			FVXM-F			FCAG-A			FFA-A9				FHA-A9			FNA-A9			
	15	20	25	35	42	50	15	20	25	35	42	50	60	71	20	25	35	50	20	25	35	25	35	50	60	25	35	50	25	35	50	35	50	60	25	35	50	60	35	50	60	25	35	50	60
2MXM40M	●	●	●	●			●	●	●	●					●	●	●		●	●	●	●	●								●	●															
2MXM50M9	●	●	●	●	●		●	●	●	●	●	●			●	●	●	●	●	●	●	●	●								●	●	●				●	●	●								
3MXM40N	●	●	●	●			●	●	●	●					●	●	●					●	●			●	●			●	●		●			●	●			●			●	●		
3MXM52N	●	●	●	●	●		●	●	●	●	●	●			●	●	●	●				●	●	●		●	●	●		●	●	●	●	●		●	●	●		●	●		●	●	●	
3MXM68N	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXM68N	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4MXM80N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5MXM90N	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Outdoor unit					2MXM40M	2MXM50M9	3MXM40N	3MXM52N	3MXM68N	4MXM68N	4MXM80N	5MXM90N
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		734x958x340					
Weight	Unit			kg	36	41	57		62	63	67	68
Sound power level	Cooling			dBA	60	60	59		61			64
	Heating			dBA	62	62	59		61			64
Sound pressure level	Cooling	Nom./High		dBA	-/46	-/48	46/-		48/-		49/-	52/-
	Heating	Nom./High		dBA	-/48	-/50	47/-		48/-		49/-	52/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46							
	Heating	Ambient	Min.~Max.	°CWB	-15~18							
Refrigerant	Type				R-32							
	GWP				675							
	Charge			kg/TCO2Eq	0.88/0.59	1.15/0.78	1.80/1.2		2.00/1.4		2.40/1.6	
Piping connections	Liquid	OD		mm	64		6.35					
	Gas	OD		mm	9.5							
	Piping length	OU - IU	Max.	m	20		25					
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 20m)		0.02 (for piping length exceeding 30m)					
	Level difference	IU - OU	Max.	m	15.0							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-230-240		1~/50/220-240					
Current - 50Hz	Maximum fuse amps (MFA)			A	-		30					



Siesta
wall mounted units

The Siesta range offers a wide variety of wall mounted units with high efficiency values up to A++. They provide excellent levels of comfort, and almost all indoor units are connectable to a multi outdoor unit.



BLUEVOLUTION

Siesta Bluevolution range

R-32

Type	Model	Product name		20	25	35	50	60
Siesta Wall mounted	Wall mounted unit Siesta, descreet, modern unit for optimal efficiency and comfort thanks to 2-area motion detection sensor and Flash Streamer	ATXM-N		● (multi only)	A+++	A+++	A++	
	Wall mounted unit Siesta, providing high efficiency and comfort while reducing the environmental impact	ATXP-M		A++	A++	A++		
	Siesta wall mounted unit Wall mounted unit, offering good value for money and ensuring a steady supply of clean air	ATXC-B			A++	A++	A++	A++

BLUEVOLUTION

Siesta

Wall mounted unit

Attractive, wall mounted design with perfect indoor air quality

- Seasonal efficiency values up to A+++ in cooling and heating
- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- 2 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.

NEW - STANDARD INCLUDED

- Online controller: control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces

Efficiency data				ATXM + ARXM	ATXM20N	25N + 25N9	35N + 35N9	50N + 50N9
Cooling capacity	Min./Nom./Max.			kW	Only available in multi model application	1.3/2.5/3.2	1.4/3.4/4.0	1.70/5.00/6.0
Heating capacity	Min./Nom./Max.			kW		1.30/2.80/4.70	1.40/4.00/5.20	1.70/5.80/7.7
Power input	Cooling		Min./Nom./Max.	kW		-		
	Heating		Min./Nom./Max.	kW		-		
Space cooling	Energy efficiency class					A+++		A++
	Capacity		Pdesign	kW		2.50	3.40	5.00
	SEER					8.55	8.54	7.35
	Annual energy consumption			kWh/a		-		
Space heating (Average climate)	Energy efficiency class					A+++		A++
	Capacity		Pdesign	kW		2.50	2.50	4.60
	SCOP/A					5.10	5.10	4.61
	Annual energy consumption			kWh/a		-		
Nominal efficiency	EER					4.50	4.23	3.68
	COP					5.00	4.04	4.00
	Annual energy consumption			kWh		-		
	Energy labeling Directive		Cooling/Heating			-		

Indoor unit				ATXM	20N	25N	35N	50N
Dimensions	Unit	HeightxWidthxDepth		mm	-			
Weight	Unit			kg	-			
Air filter	Type				-			
Fan	Air flow rate	Cooling	Silent operation/Low/High	m^3/min	-			
		Heating	Silent operation/Low/High	m^3/min	-			
Sound power level	Cooling			dBA	57		60	59
	Heating			dBA	54			58
Sound pressure level	Cooling	Silent operation/Low/Nom./High		dBA	19/41		19/45	44/27
	Heating	Silent operation/Low/Nom./High		dBA	20/39			31/43
Control systems	Infrared remote control				ARC466A33			
	Wired remote control				BRC944B2 / BRC073A1			BRC944B2 / BRC073
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			

Outdoor unit				ARXM	ATXM20N	25N9	35N9	50N9
Dimensions	Unit	HeightxWidthxDepth		mm	Only available in multi model application	-		
Weight	Unit			kg		-		
Sound power level	Cooling			dBA		58	61	62.0
	Heating			dBA		59	61	62.0
Sound pressure level	Cooling	Nom.		dBA		46	49	48.0
	Heating	Nom.		dBA		47	49	49.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~50		
	Heating	Ambient	Min.~Max.	°CWB		-20~24		
Refrigerant	Type					R-32		
	GWP					675.0		
	Charge			kg/TCO2Eq		-		
Piping connections	Liquid	OD		mm		-		
	Gas	OD		mm		-		
	Piping length	OU - IU	Max.	m		-		
		System	Chargeless	m		-		
	Additional refrigerant charge			kg/m		-		
	Level difference	IU - OU	Max.	m		-		
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A		-		

*Note: blue cells contain preliminary data

BLUEVOLUTION Siesta

Wall mounted unit

Discreet wall mounted unit providing high efficiency and comfort

- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- NEW 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Seasonal efficiency values up to A++ in cooling and heating
- Space saving contemporary wall mounted design



ATXP20-71M



ARXP20-35M



ARC480A11



BRP069

3-D

(2 ports only)

Efficiency data				ATXP + ARXP	20M + 20M	25M + 25M	35M + 35M
Cooling capacity	Min./Nom./Max.			kW	1.3/2.00/2.6	1.3/2.50/3.0	1.3/3.50/4.0
Heating capacity	Min./Nom./Max.			kW	1.30/2.50/3.50	1.30/3.00/4.00	1.30/4.00/4.80
Power input	Cooling		Min./Nom./Max.	kW		-	
	Heating		Min./Nom./Max.	kW		-	
Space cooling	Energy efficiency class					A++	
	Capacity		Pdesign	kW	2.00	2.50	3.50
	SEER				6.77	6.85	6.56
	Annual energy consumption			kWh/a		-	
Space heating (Average climate)	Energy efficiency class					A++	
	Capacity		Pdesign	kW	2.20	2.40	2.80
	SCOP/A				4.64	4.60	4.62
	Annual energy consumption			kWh/a		-	
Nominal efficiency	EER				3.98	3.79	3.45
	COP				4.77	4.36	4.02
	Annual energy consumption			kWh		-	
	Energy labeling Directive		Cooling/Heating			-/-	

Indoor unit				ATXP	20M	25M	35M
Dimensions	Unit	HeightxWidthxDepth		mm		286x770x225	
Weight	Unit			kg		9.00	
Air filter	Type					-	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.4/5.9/7.9 /9.8	4.4/6.1/8.1 /10.1	4.5/6.3/8.3 /11.5
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.3/6.5/8.4 /10.3	5.3/6.7/8.6 /10.3	5.3/7.0/9.0 /11.5
Sound power level	Cooling			dBA	55		58
	Heating			dBA	55		58
Sound pressure level	Cooling	Silent/Low/Nom./High		dBA	19/25/33/39	19/26/33/40	19/27/34/43
	Heating	Silent/Low/Nom./High		dBA	21/28/34/39	21/28/34/40	21/29/35/40
Control systems	Infrared remote control					ARC480A11	
	Wired remote control					BRC944B2 / BRC073A1	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	

Outdoor unit				ARXP	20M	25M	35M
Dimensions	Unit	HeightxWidthxDepth		mm		550x658x320	
Weight	Unit			kg		28	
Sound power level	Cooling			dBA	60		62
	Heating			dBA	61		62
Sound pressure level	Cooling	High		dBA	46		48
	Heating	High		dBA	47		48
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~46	
	Heating	Ambient	Min.~Max.	°CWB		-15~18	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge			kg/TCO2Eq		-	
Piping connections	Liquid	OD		mm		-	
	Gas	OD		mm		-	
	Piping length	OU - IU	Max.	m		-	
	Additional refrigerant charge			kg/m		-	
	Level difference	IU - OU	Max.	m		-	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A		-	

*Note: blue cells contain preliminary data

BLUEVOLUTION Siesta

Wall mounted unit

Wall mounted unit, offering good value for money

- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Quiet in operation down to 19 dBA
- Seasonal efficiency values up to A++ in cooling
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



ATXC25-35B



ARXC25-35B



BRC52A



BRP069

Efficiency data				ATXC + ARXC	20B + 20B	25B + 25B	35B + 35B	50B + 50B	60B + 60B	71B + 71B
Cooling capacity	Min./Nom./Max.			kW	1.30/2.00/3.00	1.30/2.56/3.00	1.30/3.50/4.00	1.37/5.10/6.20	1.80/6.23/7.00	2.30/7.10/7.30
Heating capacity	Min./Nom./Max.			kW	1.30/2.50/4.00	1.30/2.84/4.00	1.30/4.00/4.80	1.36/5.62/6.60	1.48/6.40/8.00	2.30/8.00/9.00
Power input	Heating		Nom.	kW	-					
Space cooling	Energy efficiency class				A++					A
	Capacity		Pdesign	kW	-					
	SEER				6.81	6.75	6.70	6.29	6.35	5.25
	Annual energy consumption			kWh/a	-					
Space heating (Average climate)	Energy efficiency class				A+					A
	Capacity		Pdesign	kW	-					
	SCOP/A				4.35	4.41	4.24	4.35	4.12	3.81
	Annual energy consumption			kWh/a	-					
Nominal efficiency	EER				3.33	3.30		3.25		2.60
	COP				3.71	3.75	3.73	3.71	3.71	3.13

Indoor unit				ATXC	20B	25B	35B	50B	60B	71B
Dimensions	Unit	HeightxWidthxDepth		mm	288x770x231				297x990x271	
Weight	Unit			kg	-					
Air filter	Type				Catechin filter + Titanium apatite deodorising filter					
Fan	Air flow rate	Cooling	Silent operation/Low/Medium/High/Super high	m^3/min	-					
		Heating	Silent operation/Low/Medium/High/Super high	m^3/min	-					
Sound power level	Cooling			dBA	-					
Sound pressure level	Cooling	Silent operation/Low/High/Super high		dBA	19/25/33/38		21/26/34/39	29/33/39/45	30/38/42/46	35/38/42/47
Control systems	Infrared remote control				-					
	Wired remote control				-					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					

Outdoor unit				ARXC	20B	25B	35B	50B	60B	71B
Dimensions	Unit	HeightxWidthxDepth		mm	550x658x273			615x845x300		695x930x350
Weight	Unit			kg	-					
Sound power level	Cooling			dBA	-					
Sound pressure level	Cooling	High		dBA	45		46	51	54	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10~46			-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18					
Refrigerant	Type				R-32					
	GWP				675					
	Charge			kg/TCO2Eq	-					
Piping connections	Liquid	OD		mm	-					
	Gas	OD		mm	-					
	Piping length	OU - IU	Max.	m	20			30		
		System	Chargeless	m	7.5					
	Additional refrigerant charge			kg/m	-					
	Level difference	IU - OU	Max.	m	15			20		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					
Current - 50Hz	Maximum fuse amps (MFA)			A	-					

*Note: blue cells contain preliminary data

Multi model application

- Seasonal efficiency values up to A+++ in cooling and A++ in heating thanks to its up-to-date technology and built-in intelligence
- Up to 3 indoor units can be connected to 1 siesta multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Different types of wall mounted indoor units can be connected
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



2AMXM40-50M

CONNECTABLE INDOOR UNITS	Wall mounted						
	ATXM-N				ATXP-M		
	20	25	35	50	20	25	35
2AMXM40M	●	●	●		●	●	●
2AMXM50M	●	●	●	●	●	●	●
3AMXM52M	●	●	●	●			

Outdoor unit				2AMXM/2AMXM	2AMXM40M	2AMXM50M	3AMXM52M
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		734x868x320
Weight	Unit			kg	36	41	57
Sound power level	Cooling			dBA	60		59
	Heating			dBA	62		59
Sound pressure level	Cooling	Nom./High		dBA	-/46	-/48	46/-
	Heating	Nom./High		dBA	-/48	-/50	47/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg/TCO2Eq	0.88/0.59	1.15/0.78	1.80/1.2
Piping connections	Liquid	OD		mm	6,4		6.35
	Gas	OD		mm	9.5		
	Piping length	OU - IU	Max.	m	20		25
		System	Chargeless	m	-		30
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 20m)		0.02 (for piping length exceeding 30m)
	Level difference	IU - OU	Max.	m	15.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-230-240		1~/50/220-240
Current - 50Hz	Maximum fuse amps (MFA)			A	-		30





Designed for living: solutions for even the coldest regions

› Wide range of connectable indoor units (wall mounted, floor standing) with guaranteed heating capacity down to -25 °C outdoor temperature
› Unique free-hanging coil technology: the defrost cycle is improved, resulting in lower running costs and no ice build-up

For most people, total indoor climate control means having the ability to select a desirable temperature for each space in a house and to have that temperature maintained no matter what the temperature outside – even when it is down to -25 °C.In a domestic setting, this means heating, cooling and high air quality is needed for year-round comfort.

At Daikin for the coldest regions, the outdoor units of this heat pump have been redesigned to withstand extreme weather conditions with excellent energy efficiency ratings.Our indoor units have won prestigious design awards for their almost iconic designs that will fit into any décor.

The indoor units are designed to operate in a whisper-quiet mode and to distribute purified air in a way that does not produce unpleasant air currents. Truly, climate control by design.

Bluevolution range

R-32

BLUEVOLUTION

Type	Model	Product name		25	30	35	40
	Perfera Discreet, modern design for optimal efficiency and comfort thanks to 2-area motion detection sensor.	FTXTM-M			A+++* (pair only)		A+++* (pair only)
Wall mounted	Comfora Wall mounted unit, providing high efficiency and comfort while reducing the environmental impact	FTXTP-K3		A++* (pair only)		A++* (pair only)	
Wall mounted Siesta	Wall mounted unit Siesta, providing high efficiency and comfort while reducing the environmental impact	ATXTP-K3		A++* (pair only)		A++* (pair only)	

BLUEVOLUTION perfera

Wall mounted unit

Attractive, wall mounted design with perfect indoor air quality

- Guaranteed heating capacity at low ambient temperature, down to -25°C
- Seasonal efficiency values up to A+++ in cooling and heating
- When installed close to a heating device (e.g. fire place or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house
- Cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- 2 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design



- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency

Efficiency data					**FTXTM-M + RXTM-N**	**30M + 30N**	**40M + 40N**
Cooling capacity	Min./Nom./Max.			kW		0.70/3.00/4.50	0.70/4.00/5.10
Heating capacity	Min./Nom./Max.			kW		0.80/3.20/6.70	0.80/4.00/7.20
Power input	Cooling		Nom.	kW		0.74	1.09
	Heating		Nom.	kW		0.61	0.78
Space cooling	Energy efficiency class					A++	
	Capacity		Pdesign	kW		3.00	4.00
	SEER					7.60	7.70
	Annual energy consumption			kWh/a		138	182
Space heating (Average climate)	Energy efficiency class					A+++	
	Capacity		Pdesign	kW		3.00	3.80
	SCOP/A					5.12	5.30
	Annual energy consumption			kWh/a		821	1,004
Space heating (Cold climate)	Energy efficiency class					A+	
	Capacity		Pdesignh	kW		4.40	5.60
	Annual energy consumption			kWh/a		2,296	2,779
	SCOP/C					4.02	4.19
Nominal efficiency	EER					4.10	3.71
	COP					5.34	5.37
	Annual energy consumption			kWh		366	542
	Energy labeling Directive		Cooling/Heating			A/A	

Indoor unit					**FTXTM-M**	**30M**	**40M**
Dimensions	Unit	HeightxWidthxDepth		mm		294x811x272	300x1,040x295
Weight	Unit			kg		10.0	14.5
Air filter	Type					Removable / washable	
Fan	Air flow rate	Cooling	Silent operation/Low/Medium/High	m^3/min		5.2/6.3/8.0 /11.7	4.6/5.7/9.2 /15.5
		Heating	Silent operation/Low/Medium/High	m^3/min		4.1/5.1/7.5 /12.2	6.3/7.5/11.0 /17.7
Sound power level	Cooling			dBA		60	
	Heating			dBA		61	
Sound pressure level	Cooling	Silent operation/Low/High		dBA		21/25/45	20/24/46
	Heating	Silent operation/Low/High		dBA		19/22/45	19/22/46
Control systems	Infrared remote control					ARC466A55	
	Wired remote control					BRC944B2 / BRC073A1	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	

Outdoor unit					**RXTM-N**	**30N**	**40N**
Dimensions	Unit	HeightxWidthxDepth		mm		551x763x312	
Weight	Unit			kg		38	
Sound power level	Cooling			dBA		61	
	Heating			dBA		61	
Sound pressure level	Cooling	Nom.		dBA		48	
	Heating	Nom.		dBA		49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~46	
	Heating	Ambient	Min.~Max.	°CWB		-25~18	
Refrigerant	Type					R-32	
	GWP					675	
	Charge			kg/TCO2Eq		1.1/0.74	
Piping connections	Liquid	OD		mm		635	
	Gas	OD		mm		9.50	
	Piping length	OU - IU	Max.	m		20	
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m		15	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A		-	

BLUEVOLUTION comfora

Wall mounted unit

Wall mounted unit providing high efficiency and comfort

- Guaranteed heating capacity at low ambient temperature, down to -25°C
- The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- Seasonal efficiency values: full range A++ in cooling and heating
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Space saving contemporary wall mounted design
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



FTXTP-K



RXTP-N



ARC480A11



Efficiency data				FTXT + RXTP	25K + 25N	35K + 35N
Cooling capacity	Min./Nom./Max.			kW	0.70/2.50/4.00	0.70/3.50/4.40
Heating capacity	Min./Nom./Max.			kW	0.80/3.20/6.20	0.80/4.00/6.70
Power input	Cooling		Nom.	kW	0.57	0.91
	Heating		Nom.	kW	0.68	0.88
Space cooling	Energy efficiency class				A++	
	Capacity		Pdesign	kW	2.50	3.50
	SEER				7.10	7.20
	Annual energy consumption			kWh/a	123	170
Space heating (Average climate)	Energy efficiency class				A++	
	Capacity		Pdesign	kW	2.50	3.00
	SCOP/A				4.98	4.81
	Annual energy consumption			kWh/a	703	873
Space heating (Cold climate)	Energy efficiency class				A	
	Capacity		Pdesignh	kW	3.70	4.40
	Annual energy consumption			kWh/a	1,939	2,429
	SCOP/C				3.95	3.80
Nominal efficiency	EER				4.40	3.80
	COP				4.95	4.44
	Annual energy consumption			kWh	285	460
	Energy labeling Directive		Cooling/Heating		A/A	

Indoor unit				FTXT	25K	35K
Dimensions	Unit	HeightxWidthxDepth		mm	285x770x225	
Weight	Unit			kg	9.0	
Air filter	Type				Removable / washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.3/5.3/7.7 /10.6	4.3/5.4/8.2 /11.4
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.9/5.8/8.0 /11.2	4.9/5.8/7.8 /10.8
Sound power level	Cooling			dBA	58	
	Heating			dBA	58	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	21/26/43	
	Heating	Silent operation/Low/High		dBA	21/26/43	
Control systems	Infrared remote control				ARC480A11	
	Wired remote control				BRC944B2 / BRC073A1	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	

Outdoor unit				RXTP	25N	35N
Dimensions	Unit	HeightxWidthxDepth		mm	551x763x312	
Weight	Unit			kg	38	
Sound power level	Cooling			dBA	61	
	Heating			dBA	61	
Sound pressure level	Cooling	Nom.		dBA	48	
	Heating	Nom.		dBA	49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	
	Heating	Ambient	Min.~Max.	°CWB	-25~18	
Refrigerant	Type				R-32	
	GWP				675	
	Charge			kg/TCO2Eq	1.1/0.74	
Piping connections	Liquid	OD		mm	635	
	Gas	OD		mm	9.50	
	Piping length	OU - IU	Max.	m	20	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	15	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	-	

BLUEVOLUTION Siesta

Wall mounted unit

Wall mounted unit providing high efficiency and comfort

- Guaranteed heating capacity at low ambient temperature, down to -25°C
- The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- Seasonal efficiency values: full range A++ in cooling and heating
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Space saving contemporary wall mounted design
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



ATXTP-K



ARXTP-N



ARC466A55



Efficiency data				ATXTP + ARXTP	25K + 25N	35K + 35N
Cooling capacity	Min./Nom./Max.			kW	0.70/2.50/4.00	0.70/3.50/4.40
Heating capacity	Min./Nom./Max.			kW	0.80/3.20/6.00	0.80/4.00/6.50
Power input	Cooling		Nom.	kW	0.57	0.91
	Heating		Nom.	kW	0.68	0.87
Space cooling	Energy efficiency class				A++	
	Capacity		Pdesign	kW	2.50	3.50
	SEER				6.98	7.05
	Annual energy consumption			kWh/a	125	174
Space heating (Average climate)	Energy efficiency class				A++	
	Capacity		Pdesign	kW	2.50	3.00
	SCOP/A				4.93	4.76
	Annual energy consumption			kWh/a	710	883
Space heating (Cold climate)	Energy efficiency class				A	
	Capacity		Pdesignh	kW	3.70	4.40
	Annual energy consumption			kWh/a	1,955	2,455
	SCOP/C				3.92	3.76
Nominal efficiency	EER				4.38	3.75
	COP				4.90	4.39
	Annual energy consumption			kWh	286	467
	Energy labeling Directive		Cooling/Heating		A/A	

Indoor unit				ATXTP	25K	35K
Dimensions	Unit	HeightxWidthxDepth		mm	285x770x225	
Weight	Unit			kg	9.0	
Air filter	Type				Removable / washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.3/5.3/7.7 /10.6	4.3/5.4/8.2 /11.4
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.9/5.8/8.0 /11.2	4.9/5.8/7.8 /10.8
Sound power level	Cooling			dBA	58	
	Heating			dBA	58	
Sound pressure level	Cooling	Silent operation/Low/High		dBA	21/26/43	
	Heating	Silent operation/Low/High		dBA	21/26/43	
Control systems	Infrared remote control				ARC480A11	
	Wired remote control				BRC944B2 / BRC073A1	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	

Outdoor unit				ARXTP	25N	35N
Dimensions	Unit	HeightxWidthxDepth		mm	551x763x312	
Weight	Unit			kg	38	
Sound power level	Cooling			dBA	61	
	Heating			dBA	61	
Sound pressure level	Cooling	Nom.		dBA	48	
	Heating	Nom.		dBA	49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	
	Heating	Ambient	Min.~Max.	°CWB	-25~18	
Refrigerant	Type				R-32	
	GWP				675	
	Charge			kg/TCO2Eq	1.1/0.74	
Piping connections	Liquid	OD		mm	635	
	Gas	OD		mm	9.50	
	Piping length	OU - IU	Max.	m	20	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	15	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	-	

Options - Split

BLUEVOLUTION

R-32

	INDOOR UNITS	FTXZ-N	C/FTXA-AW/S/T	FTXJ-MW/S	C/FTXM-N	FTXP-M	FTXC-B	FTXF-A
Online control system	BRP069A* Daikin online controller WIFI adapter for smart phone	BRP069A42	Standard included	Standard included	Standard included	BRP069A45	BRP069A45	BRP069A45
Individual control systems	BRC1E53A/B/C (3)(4)(5) Premium wired remote control with full-text interface and back-light							
	BRC073A1 (9) Wired remote control (cord for wired remote control required)		●	●	●	●		●
	BRC2E52C Simplified remote control (with operation mode selector button)							
	BRC3E52C Remote control for hotel use							
	BRC4C65 Infrared remote control							
	BRCW901A03 Extension cord for wired remote control (3m)		●		●	●		
	BRCW901A08 Extension cord for wired remote control (8m)		●		●	●		
Centralised control systems	DCC601A51 Centralised controller with cloud connection by using the adapter KRP928*	●	●	●	●	●		
	DCS302CA51 Central remote control	●	●	●	●	●		
	DCS301BA51 Unified ON/OFF control	●	●	●	●	●		
	DST301BA51 Schedule timer	●	●	●	●	●		
	DCM601A5A Intelligent Touch Manager	●	●	●	●	●		●
Building Management System & Standard protocol interface	EKMBDXA Modbus interface	●	●	●	●	●		●
	RTD-RA (9) Modbus gateway	●	●	●	●	●		●
	KLIC-DD (9) KNX Interface	●	●	●	●	●		●
Adapters	BRP7A54 (7)(8) Adapter PCB for interlock (key card, …)							
	KRP1B56 Adapter for wiring							
	KRP413AB1S Adapter for wiring normal open contact/normal open pulse contact (time clock and other devices to be purchased locally)	●	●	●	●			●
	KRP4A54 Adapter for external ON/OFF and monitoring for electrical appendices							
	KRP2A53 Wiring adapter for electrical appendices							
	Installation box for adapter PCBs (when there is no space in the switchbox)							
	KRP980A1 Interface adapter for wired remote control							
	KRP928BB2S Interface adapter for DIII-net	●	●	●	●	●		●
	DTA114A61 Multi tenant							
	KRCS01-4 External wired temperature sensor		●					
	KAF970A46 Titanium apatite deodorising filter without frame		●	●		●	●	
	KAF057A41 Silver particle filter (Ag-ion filter) with frame		●					
Filter	KEK26-1A Noise filter (for electromagnetic use only)							
Others	Anti-theft protection for remote control		KKF91044					
	Wire harness to connect to S21 connector		EKRS21					

(1) Can be used only in combination with KRP980A1
(2) WLAN installation kit include interface adapter PCB
(3) BRC1E53A: included languages: English, German, French, Italian, Spanish, Dutch, Greek, Russian, Turkish, Portuguese, Polish
(4) BRC1E53B: included languages: English, German, Czech, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian
(5) BRC1E53C: included languages
(6) Installation box for adapter PCB is necessary. Hour meter is field supply and should not be installed inside the equipment.
(7) Installation box for adapter PCB is necessary. They require mounting plate KRP4A96, maximmaly 2 optional PCBs can be mounted.
(8) Only in combination with simplified remote control BRC2E52C or BRC3E52C.
(9) Wiring adapter supplied by Daikin. Time clock and other devices: to be purchased locally.
(10) Standard there is no remote control delivered with this indoor unit. Wired or infrared control to be ordered separately.
(11) Standard delivered with the unit.

R-32 and R-410A	R-32	Siesta R-32			Optimised heating R-32		
FDXM-F9	**FVXM-F**	**ATXM-N**	**ATXP-M**	**ATXC-B**	**FTXTM-M**	**FTXTP-K**	**ATXTP-K**
BRP069A81	BRP069A42	BRP069A41	BRP069A45	BRP069A45	BRP069A41	BRP069A45	BRP069A45
●							
	●	●	●		●	●	●
●							
●							
●(10)							
	●	●	●		●	●	●
	●	●	●		●	●	●
		●					
●	●	●			●		
●	●	●			●		
●	●	●			●		
●		●	●		●	●	●
	●	●	●		●	●	●
	●	●	●		●	●	●
●	●	●	●		●	●	●

●							
●							
	●	●			●		
●							
●							
KRP1BA101							
●	●	●	●		●	●	●
●							
●							
			●	●		●	●
●							
	KKF910AA4					KKF936A4	KKF936A4

(1) Can be used only in combination with KRP980A1
(2) WLAN installation kit include interface adapter PCB
(3) BRC1E53A: included languages: English, German, French, Italian, Spanish, Dutch, Greek, Russian, Turkish, Portuguese, Polish
(4) BRC1E53B: included languages: English, German, Czech, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian
(5) BRC1E53C: included languages
(6) Installation box for adapter PCB is necessary. Hour meter is field supply and should not be installed inside the equipment.
(7) Installation box for adapter PCB is necessary. They require mounting plate KRP4A96, maximmaly 2 optional PCBs can be mounted.
(8) Only in combination with simplified remote control BRC2E52C or BRC3E52C.
(9) Wiring adapter supplied by Daikin. Time clock and other devices: to be purchased locally.
(10) Standard there is no remote control delivered with this indoor unit. Wired or infrared control to be ordered separately.
(11) Standard delivered with the unit.

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
2MXM40M3V1B	1.5	1.50	---	1.30	1.50	2.00	0.33	0.31	0.40	1.78	1.70	2.17	79	---	---	---	---	---	---	---
	2.0	2.00	---	1.30	2.00	2.40	0.33	0.44	0.57	1.78	2.38	3.09	79	---	---	---	---	---	---	---
	2.5	2.50	---	1.30	2.50	3.00	0.33	0.61	0.80	1.78	3.33	4.40	79	---	---	---	---	---	---	---
	3.5	3.50	---	1.30	3.50	4.00	0.33	1.04	1.35	1.78	5.71	7.38	79	---	---	---	---	---	---	---
	1.5+1.5	1.50	1.50	1.50	3.00	3.60	0.31	0.60	0.73	1.67	3.33	4.00	79	4.97	A	302	A+++	8.66	3.00	122
	1.5+2.0	1.50	2.00	1.50	3.50	4.00	0.31	0.79	0.91	1.67	4.35	4.98	79	4.43	A	396	A+++	8.60	3.50	143
	1.5+2.5	1.50	2.50	1.50	4.00	4.20	0.31	0.98	1.03	1.67	5.37	5.64	79	4.10	A	488	A+++	8.55	4.00	164
	1.5+3.5	1.20	2.80	1.50	4.00	4.40	0.31	0.96	1.06	1.67	5.30	5.83	79	4.16	A	481	A++	8.26	4.00	170
	2.0+2.0	2.00	2.00	1.50	4.00	4.20	0.31	0.97	1.02	1.67	5.34	5.61	79	4.13	A	486	A+++	8.53	4.00	165
	2.0+2.5	1.78	2.22	1.50	4.00	4.30	0.31	0.96	1.04	1.67	5.30	5.70	79	4.16	A	481	A+++	8.50	4.00	165
	2.0+3.5	1.45	2.55	1.50	4.00	4.50	0.31	0.95	1.08	1.67	5.25	5.91	79	4.20	A	477	A++	8.19	4.00	171
	2.5+2.5	2.00	2.00	1.50	4.00	4.40	0.31	0.96	1.06	1.67	5.27	5.80	79	4.18	A	479	A++	8.36	4.00	168
	2.5+3.5	1.67	2.33	1.50	4.00	4.60	0.31	0.94	1.09	1.67	5.20	5.98	79	4.24	A	472	A++	8.11	4.00	173

Heating

Outdoor unit	Indoor unit	Heating capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	Energy label	Seasonal data				
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				Label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
2MXM40M3V1B	1.5	2.00	---	1.00	2.00	3.30	0.26	0.68	1.04	1.43	3.66	5.69	79	---	---	---	---	---	---	---
	2.0	3.00	---	1.00	3.00	3.70	0.26	0.83	1.24	1.43	4.52	6.78	79	---	---	---	---	---	---	---
	2.5	3.40	---	1.00	3.40	4.10	0.26	1.02	1.48	1.43	5.59	8.09	79	---	---	---	---	---	---	---
	3.5	3.80	---	1.00	3.80	4.40	0.26	1.28	1.71	1.43	7.02	9.40	79	---	---	---	---	---	---	---
	1.5+1.5	1.75	1.75	1.20	3.50	4.30	0.24	0.80	0.99	1.31	4.43	5.45	79	4.35	A	A++	4.62	3.00	908	0.50
	1.5+2.0	1.63	2.17	1.20	3.80	4.50	0.24	0.88	1.04	1.31	4.85	5.75	79	4.32	A	A++	4.61	3.20	972	0.70
	1.5+2.5	1.58	2.63	1.20	4.20	4.60	0.24	1.00	1.10	1.31	5.53	6.06	79	4.18	A	A++	4.60	3.20	972	0.60
	1.5+3.5	1.26	2.94	1.20	4.20	4.70	0.24	0.96	1.12	1.31	5.29	5.92	79	4.37	A	A++	4.63	3.20	968	0.50
	2.0+2.0	2.10	2.10	1.30	4.20	4.60	0.24	0.98	1.08	1.31	5.41	5.93	79	4.28	A	A++	4.64	3.20	966	0.60
	2.0+2.5	1.87	2.33	1.30	4.20	4.70	0.24	0.97	1.09	1.31	5.36	6.00	79	4.32	A	A++	4.60	3.20	973	0.50
	2.0+3.5	1.53	2.67	1.30	4.20	4.80	0.24	0.95	1.09	1.31	5.25	6.00	79	4.41	A	A++	4.60	3.20	974	0.40
	2.5+2.5	2.10	2.10	1.30	4.20	4.70	0.24	0.96	1.08	1.31	5.29	5.92	79	4.37	A	A++	4.60	3.20	974	0.50
	2.5+3.5	1.75	2.45	1.30	4.20	4.80	0.24	0.94	1.08	1.31	5.19	5.94	79	4.46	A	A++	4.61	3.20	971	0.40

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
2MXM50M2V1B9	1.5	1.50	---	1.40	1.50	2.20	0.31	0.32	0.52	1.53	1.55	2.53	89	---	---	---	---	---	---	---
	2.0	2.00	---	1.40	2.00	2.60	0.31	0.47	0.69	1.53	2.25	3.37	89	---	---	---	---	---	---	---
	2.5	2.50	---	1.40	2.50	3.10	0.31	0.67	0.92	1.53	3.27	4.50	89	---	---	---	---	---	---	---
	3.5	3.50	---	1.40	3.50	4.00	0.31	1.09	1.42	1.53	5.32	6.95	89	---	---	---	---	---	---	---
	4.2	4.20	---	1.40	4.20	4.70	0.31	1.59	1.75	1.53	7.73	8.57	89	---	---	---	---	---	---	---
	5.0	5.00	---	1.60	5.00	5.30	0.33	1.30	1.44	1.64	6.33	7.01	89	---	---	---	---	---	---	---
	1.5+1.5	1.50	1.50	1.60	3.00	3.20	0.33	0.62	0.66	1.64	3.03	3.24	89	4.84	A	310	A+++	8.80	3.00	120
	1.5+2.0	1.50	2.00	1.60	3.50	3.70	0.33	0.76	0.80	1.64	3.71	3.93	89	4.61	A	380	A+++	8.74	3.50	141
	1.5+2.5	1.50	2.50	1.60	4.00	4.20	0.33	0.94	0.99	1.64	4.60	4.83	89	4.25	A	471	A+++	8.64	4.00	162
	1.5+3.5	1.50	3.50	1.60	5.00	5.00	0.33	1.25	1.25	1.64	6.10	6.10	89	4.01	A	624	A+++	8.52	5.00	206
	1.5+4.2	1.32	3.68	1.60	5.00	5.40	0.33	1.23	1.54	1.64	6.04	6.53	89	4.05	A	618	A+++	8.55	5.00	205
	1.5+5.0	1.15	3.85	1.80	5.00	5.50	0.33	1.23	1.68	1.64	5.99	6.59	89	4.08	A	613	A+++	8.50	5.00	206
	2.0+2.0	2.00	2.00	1.80	4.00	5.00	0.33	0.94	1.28	1.64	4.60	5.75	89	4.25	A	471	A+++	8.71	4.00	161
	2.0+2.5	2.00	2.50	1.80	4.50	5.10	0.33	1.07	1.31	1.64	5.23	5.93	89	4.21	A	535	A+++	8.67	4.50	182
	2.0+3.5	1.82	3.18	1.80	5.00	5.40	0.33	1.24	1.49	1.64	6.05	6.54	89	4.04	A	619	A+++	8.54	5.00	205
	2.0+4.2	1.61	3.39	1.80	5.00	5.50	0.33	1.23	1.51	1.64	6.01	6.62	89	4.07	A	615	A+++	8.54	5.00	205
	2.0+5.0	1.43	3.57	1.80	5.00	5.50	0.33	1.22	1.44	1.64	5.95	6.55	89	4.11	A	609	A+++	8.51	5.00	208
	2.5+2.5	2.50	2.50	1.80	5.00	5.30	0.33	1.25	1.42	1.64	6.10	6.47	89	4.01	A	624	A+++	8.53	5.00	205
	2.5+3.5	2.08	2.92	1.80	5.00	5.40	0.33	1.23	1.43	1.64	6.02	6.51	89	4.06	A	616	A+++	8.56	5.00	205
	2.5+4.2	1.87	3.13	1.80	5.00	5.50	0.33	1.22	1.45	1.64	5.98	6.58	89	4.09	A	612	A+++	8.57	5.00	204
	2.5+5.0	1.67	3.33	1.80	5.00	5.50	0.33	1.21	1.38	1.64	5.92	6.52	89	4.13	A	606	A+++	8.52	5.00	206
	3.5+3.5	2.50	2.50	1.80	5.00	5.40	0.33	1.22	1.42	1.64	5.95	6.43	89	4.11	A	609	A+++	8.57	5.00	205
	3.5+4.2	2.27	2.73	1.80	5.00	5.50	0.33	1.21	1.40	1.64	5.90	6.49	89	4.14	A	604	A+++	8.60	5.00	204
	3.5+5.0	2.06	2.94	1.80	5.00	5.50	0.33	1.20	1.34	1.64	5.85	6.44	89	4.18	A	599	A+++	8.52	5.00	206
	4.2+4.2	2.50	2.50	1.80	5.00	5.50	0.33	1.20	1.38	1.64	5.88	6.47	89	4.16	A	601	A+++	8.56	5.00	205

Heating

Outdoor unit	Indoor unit	Heating capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	Energy label	Seasonal data				
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				Label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
2MXM50N2V1B	1.5	2.00	---	1.10	2.00	3.30	0.29	0.68	0.95	1.44	3.31	4.66	89	---	---	---	---	---	---	---
	2.0	3.00	---	1.10	3.00	3.70	0.27	0.82	1.13	1.33	3.99	5.52	89	---	---	---	---	---	---	---
	2.5	3.40	---	1.10	3.40	4.10	0.25	0.99	1.34	1.23	4.81	6.54	89	---	---	---	---	---	---	---
	3.5	4.00	---	1.10	4.00	4.60	0.25	1.24	1.53	1.23	6.03	7.46	89	---	---	---	---	---	---	---
	4.2	4.60	---	1.10	4.60	5.00	0.23	1.49	1.81	1.12	7.27	8.85	89	---	---	---	---	---	---	---
	5.0	5.50	---	1.20	5.50	5.60	0.23	1.35	1.51	1.12	6.56	9.01	89	---	---	---	---	---	---	---
	1.5+1.5	2.00	2.00	1.20	4.00	4.54	0.23	0.87	0.99	1.12	4.27	4.85	89	4.58	A	A++	4.79	3.30	965	0.50
	1.5+2.0	1.89	2.51	1.20	4.40	4.89	0.23	1.02	1.13	1.12	4.97	5.53	89	4.33	A	A++	4.66	3.80	1140	0.80
	1.5+2.5	1.80	3.00	1.20	4.80	5.19	0.23	1.18	1.27	1.12	5.75	6.22	89	4.08	A	A++	4.64	3.80	1146	0.60
	1.5+3.5	1.56	3.64	1.20	5.20	5.70	0.25	1.28	1.40	1.23	6.25	6.86	89	4.07	A	A++	4.61	4.00	1214	0.60
	1.5+4.2	1.47	4.13	1.20	5.60	5.96	0.25	1.37	1.46	1.23	6.71	7.15	89	4.08	A	A++	4.62	4.10	1241	0.70
	1.5+5.0	1.29	4.31	1.20	5.60	6.16	0.25	1.37	1.50	1.23	6.68	7.35	89	4.10	A	A++	4.63	4.20	1269	0.80
	2.0+2.0	2.60	2.60	1.20	5.20	5.70	0.23	1.27	1.40	1.12	6.22	6.82	89	4.09	A	A++	4.61	4.00	1214	0.60
	2.0+2.5	2.49	3.11	1.20	5.60	5.80	0.23	1.37	1.42	1.12	6.68	6.92	89	4.10	A	A++	4.61	4.10	1244	0.70
	2.0+3.5	2.04	3.56	1.20	5.60	5.90	0.25	1.36	1.43	1.23	6.65	7.01	89	4.12	A	A++	4.61	4.20	1275	0.80
	2.0+4.2	1.81	3.79	1.20	5.60	6.00	0.25	1.36	1.46	1.23	6.63	7.11	89	4.13	A	A++	4.63	4.20	1268	0.80
	2.0+5.0	1.60	4.00	1.20	5.60	6.20	0.25	1.35	1.50	1.23	6.60	7.31	89	4.15	A	A++	4.68	4.20	1255	0.80
	2.5+2.5	2.80	2.80	1.20	5.60	5.80	0.23	1.37	1.42	1.12	6.71	6.95	89	4.08	A	A++	4.61	4.20	1275	0.80
	2.5+3.5	2.33	3.27	1.20	5.60	6.00	0.25	1.38	1.48	1.23	6.76	7.25	89	4.05	A	A++	4.62	4.20	1272	0.80
	2.5+4.2	2.09	3.51	1.20	5.60	6.10	0.25	1.39	1.51	1.23	6.79	7.40	89	4.03	A	A++	4.65	4.20	1265	0.80
	2.5+5.0	1.87	3.73	1.30	5.60	6.30	0.25	1.41	1.58	1.23	6.88	7.74	89	3.98	A	A++	4.71	4.20	1249	0.80
	3.5+3.5	2.80	2.80	1.30	5.60	6.10	0.25	1.40	1.52	1.23	6.83	7.44	89	4.01	A	A++	4.66	4.20	1262	0.80
	3.5+4.2	2.55	3.05	1.30	5.60	6.20	0.25	1.40	1.55	1.23	6.84	7.58	89	4.00	A	A++	4.67	4.20	1258	0.80
	3.5+5.0	2.31	3.29	1.30	5.60	6.40	0.25	1.42	1.63	1.23	6.95	7.95	89	3.94	A	A++	4.75	4.20	1238	0.80
	4.2+4.2	2.80	2.80	1.30	5.60	6.30	0.25	1.41	1.58	1.23	6.88	7.74	89	3.98	A	A++	4.70	4.20	1251	0.80

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
3MXM40N2V1B	1.50	1.50	---	---	1.40	1.50	2.20	0.32	0.35	0.46	1.52	1.63	2.2	91	---	---	---	---	---	---	---
	2.00	2.00	---	---	1.40	2.00	2.90	0.32	0.48	0.71	1.52	2.28	3.4	91	---	---	---	---	---	---	---
	2.50	2.50	---	---	1.40	2.50	3.10	0.32	0.64	0.82	1.52	3.05	3.9	91	---	---	---	---	---	---	---
	3.50	3.50	---	---	1.40	3.50	4.10	0.32	0.98	1.19	1.52	4.68	5.7	91	---	---	---	---	---	---	---
	1.5+1.5	1.50	1.50	---	1.60	3.00	4.20	0.34	0.59	1.14	1.63	2.82	5.44	91	5.12	A	293	A+++	8.64	3.00	122
	1.5+2.0	1.50	2.00	---	1.60	3.50	4.20	0.34	0.71	1.12	1.63	3.40	5.33	91	4.96	A	353	A+++	8.59	3.50	143
	1.5+2.5	1.50	2.50	---	1.60	4.00	4.20	0.34	0.86	1.10	1.63	4.11	5.33	91	4.68	A	427	A+++	8.51	4.00	164
	1.5+3.5	1.20	2.80	---	1.60	4.00	4.20	0.34	0.85	1.08	1.63	4.07	5.33	91	4.72	A	424	A+++	8.50	4.00	165
	2.0+2.0	2.00	2.00	---	1.60	4.00	4.50	0.34	0.84	1.09	1.63	4.02	5.22	91	4.76	A	420	A+++	8.52	4.00	165
	2.0+2.5	1.78	2.22	---	1.60	4.00	4.50	0.34	0.83	1.07	1.63	3.97	5.22	91	4.82	A	415	A+++	8.52	4.00	165
	2.0+3.5	1.45	2.55	---	1.60	4.00	4.50	0.34	0.83	1.03	1.63	3.97	5.22	91	4.86	A	412	A+++	8.50	4.00	165
	2.5+2.5	2.00	2.00	---	1.60	4.00	4.50	0.34	0.83	1.05	1.63	3.97	5.22	91	4.84	A	413	A+++	8.51	4.00	165
	2.5+3.5	1.67	2.33	---	1.60	4.00	4.50	0.34	0.82	1.01	1.63	3.92	5.22	91	4.88	A	410	A+++	8.50	4.00	165
	3.5+3.5	2.00	2.00	---	1.60	4.00	4.50	0.34	0.82	0.99	1.63	3.92	5.11	91	4.92	A	407	A+++	8.50	4.00	165
	1.5+1.5+1.5	1.33	1.33	1.33	1.70	4.00	4.60	0.36	0.78	0.98	1.74	3.73	4.68	91	5.18	A	386	A+++	8.55	4.00	164
	1.5+1.5+2.0	1.20	1.20	1.60	1.70	4.00	4.60	0.36	0.77	0.96	1.74	3.68	4.68	91	5.20	A	385	A+++	8.55	4.00	164
	1.5+1.5+2.5	1.09	1.09	1.82	1.70	4.00	4.60	0.36	0.77	0.94	1.74	3.68	4.68	91	5.22	A	383	A+++	8.54	4.00	164
	1.5+1.5+3.5	0.92	0.92	2.15	1.70	4.00	4.60	0.36	0.76	0.90	1.74	3.64	4.68	91	5.26	A	380	A+++	8.53	4.00	165
	1.5+2.0+2.0	1.09	1.45	1.45	1.70	4.00	4.60	0.36	0.77	0.92	1.74	3.68	4.68	91	5.25	A	381	A+++	8.53	4.00	164
	1.5+2.0+2.5	1.00	1.33	1.67	1.70	4.00	4.60	0.36	0.76	0.91	1.74	3.64	4.68	91	5.29	A	378	A+++	8.54	4.00	164
	1.5+2.0+3.5	0.86	1.14	2.00	1.70	4.00	4.60	0.36	0.76	0.89	1.74	3.64	4.68	91	5.31	A	377	A+++	8.53	4.00	165
	1.5+2.5+2.5	0.92	1.54	1.54	1.70	4.00	4.60	0.36	0.76	0.87	1.74	3.64	4.68	91	5.27	A	380	A+++	8.53	4.00	165
	2.0+2.0+2.0	1.33	1.33	1.33	1.70	4.00	4.60	0.36	0.76	0.85	1.74	3.64	4.68	91	5.30	A	3.77	A+++	8.52	4.00	214
	2.0+2.0+2.5	1.23	1.23	1.54	1.70	4.00	4.60	0.36	0.76	0.83	1.74	3.64	4.68	91	5.32	A	376	A+++	8.51	4.00	165
	2.0+2.5+2.5	1.14	1.43	1.43	1.70	4.00	4.60	0.36	0.75	0.81	1.74	3.59	4.68	91	5.35	A	374	A+++	8.50	4.00	165

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
3MXM40N2V1B	1.50	2.30	---	---	1.10	2.30	3.30	0.30	0.60	0.82	1.38	2.77	3.83	93	---	---	---	---	---	---	---
	2.00	2.70	---	---	1.10	2.70	3.70	0.30	0.76	1.23	1.38	3.51	5.75	93	---	---	---	---	---	---	---
	2.50	3.40	---	---	1.10	3.40	4.10	0.30	1.01	1.28	1.38	4.68	5.96	93	---	---	---	---	---	---	---
	3.50	4.20	---	---	1.10	4.20	4.80	0.30	1.42	1.71	1.38	6.60	7.98	93	---	---	---	---	---	---	---
	1.5+1.5	1.80	1.80	---	1.20	3.60	5.00	0.32	0.69	1.30	1.49	3.23	6.07	93	5.25	A	A++	4.60	3.60	1096	0.50
	1.5+2.0	1.54	2.06	---	1.20	3.60	5.00	0.32	0.69	1.28	1.49	3.23	5.96	93	5.29	A	A++	4.62	3.60	1091	0.50
	1.5+2.5	1.50	2.50	---	1.20	4.00	5.00	0.32	0.86	1.26	1.49	4.03	5.96	93	4.68	A	A+	4.39	4.20	1338	0.70
	1.5+3.5	1.38	3.22	---	1.20	4.60	5.00	0.32	0.98	1.22	1.49	4.59	5.96	93	4.72	A	A+	4.28	4.80	1570	0.80
	2.0+2.0	2.30	2.30	---	1.20	4.60	5.00	0.32	0.97	1.25	1.49	4.54	5.85	93	4.76	A	A+	4.24	4.80	1582	0.90
	2.0+2.5	2.04	2.56	---	1.20	4.60	5.00	0.32	0.98	1.23	1.49	4.59	5.85	93	4.72	A	A+	4.27	4.80	1572	0.90
	2.0+3.5	1.67	2.93	---	1.20	4.60	5.00	0.32	0.97	1.19	1.49	4.54	5.85	93	4.76	A	A+	4.30	4.80	1560	0.80
	2.5+2.5	2.30	2.30	---	1.20	4.60	5.00	0.32	0.96	1.21	1.49	4.49	5.85	93	4.84	A	A+	4.34	4.80	1548	0.90
	2.5+3.5	1.92	2.68	---	1.20	4.60	5.00	0.32	0.95	1.17	1.49	4.45	5.85	93	4.88	A	A+	4.37	4.80	1537	0.80
	3.5+3.5	2.30	2.30	---	1.20	4.60	5.00	0.32	0.94	1.15	1.49	4.40	5.75	93	4.92	A	A+	4.38	5.00	1598	0.90
	1.5+1.5+1.5	1.53	1.53	1.53	1.30	4.60	5.10	0.32	0.89	1.02	1.49	4.17	4.79	93	5.18	A	A++	4.65	5.00	1505	0.90
	1.5+1.5+2.0	1.38	1.38	1.84	1.30	4.60	5.10	0.32	0.89	1.01	1.49	4.17	4.72	93	5.2	A	A++	4.63	5.00	1511	0.90
	1.5+1.5+2.5	1.25	1.25	2.09	1.30	4.60	5.10	0.32	0.89	0.99	1.49	4.17	4.63	93	5.22	A	A++	4.61	5.00	1517	0.90
	1.5+1.5+3.5	1.06	1.06	2.48	1.30	4.60	5.10	0.32	0.88	0.97	1.49	4.12	4.53	93	5.26	A	A++	4.61	5.00	1518	0.90
	1.5+2.0+2.0	1.25	1.67	1.67	1.30	4.60	5.10	0.32	0.88	0.95	1.49	4.12	4.44	93	5.25	A	A++	4.60	5.00	1520	0.90
	1.5+2.0+2.5	1.15	1.53	1.92	1.30	4.60	5.10	0.32	0.87	0.93	1.49	4.07	4.35	93	5.29	A	A++	4.60	5.00	1521	0.90
	1.5+2.0+3.5	0.99	1.31	2.30	1.30	4.60	5.10	0.32	0.87	0.91	1.49	4.07	4.25	93	5.31	A	A++	4.62	5.00	1515	0.90
	1.5+2.5+2.5	1.06	1.77	1.77	1.30	4.60	5.10	0.32	0.88	0.87	1.49	4.12	4.07	93	5.27	A	A++	4.62	5.00	1513	0.90
	2.0+2.0+2.0	1.53	1.53	1.53	1.30	4.60	5.10	0.32	0.87	0.89	1.49	4.07	4.16	93	5.3	A	A++	4.60	5.00	1521	0.90
	2.0+2.0+2.5	1.42	1.42	1.77	1.30	4.60	5.10	0.32	0.87	0.86	1.49	4.07	4.02	93	5.32	A	A++	4.62	5.00	1515	0.90
	2.0+2.5+2.5	1.31	1.64	1.64	1.30	4.60	5.10	0.32	0.86	0.84	1.49	4.03	3.93	93	5.35	A	A++	4.63	5.00	1512	0.90

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room		Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
3MXM52N2V1B	1.5	1.50	---	---	1.40	1.50	2.40	0.34	0.36	0.63	1.50	1.62	2.86	96	---	---	---	---	---	---	---
	2.0	2.00	---	---	1.60	2.00	3.00	0.36	0.48	0.78	1.60	2.17	3.51	96	---	---	---	---	---	---	---
	2.5	2.50	---	---	1.60	2.50	3.20	0.36	0.64	0.87	1.62	2.89	3.92	96	---	---	---	---	---	---	---
	3.5	3.50	---	---	1.60	3.50	4.20	0.37	0.98	1.30	1.63	4.43	5.88	96	---	---	---	---	---	---	---
	4.2	4.20	---	---	1.60	4.20	4.60	0.37	1.21	1.49	1.63	5.47	6.70	96	---	---	---	---	---	---	---
	5.0	---	5.00	---	1.60	5.00	5.40	0.35	1.76	2.03	1.55	7.94	9.18	96	---	---	---	---	---	---	---
	1.5+1.5	1.50	1.50	---	1.70	3.00	4.70	0.35	0.55	1.32	1.55	2.50	5.98	96	5.48	A	274	A+++	8.64	3.00	122
	1.5+2.0	1.50	2.00	---	1.70	3.50	4.70	0.35	0.66	1.30	1.55	2.99	5.88	96	5.31	A	330	A+++	8.60	3.50	143
	1.5+2.5	1.50	2.50	---	1.70	4.00	5.00	0.35	0.78	1.92	1.55	3.54	8.66	96	5.16	A	388	A+++	8.54	4.00	164
	1.5+3.5	1.50	3.50	---	1.70	5.00	6.00	0.35	1.06	2.17	1.55	4.81	9.80	96	4.75	A	527	A+++	8.51	5.00	206
	1.5+4.2	1.37	3.83	---	1.70	5.20	6.10	0.35	1.10	2.26	1.55	4.99	10.21	96	4.74	A	549	A+++	8.51	5.20	214
	1.5+5.0	1.20	4.00	---	1.70	5.20	6.30	0.35	1.10	2.28	1.55	4.99	10.31	96	4.77	A	546	A+++	8.50	5.20	215
	2.0+2.0	2.00	2.00	---	1.70	4.00	6.00	0.35	0.85	2.25	1.55	3.85	10.16	96	4.72	A	424	A+++	8.52	4.00	165
	2.0+2.5	2.00	2.50	---	1.70	4.50	6.20	0.35	0.95	2.21	1.55	4.31	9.99	96	4.74	A	475	A+++	8.50	4.50	186
	2.0+3.5	1.89	3.31	---	1.70	5.20	6.30	0.35	1.10	2.30	1.55	4.99	10.38	96	4.76	A	547	A+++	8.53	5.20	214
	2.0+4.2	1.68	3.52	---	1.70	5.20	6.30	0.35	1.09	2.25	1.55	4.94	10.18	96	4.78	A	544	A+++	8.52	5.20	214
	2.0+5.0	1.49	3.71	---	1.70	5.20	6.50	0.35	1.09	2.19	1.55	4.94	9.89	96	4.80	A	542	A+++	8.51	5.20	214
	2.5+2.5	2.50	2.50	---	1.70	5.00	6.30	0.35	1.04	2.34	1.55	4.72	10.59	96	4.85	A	516	A+++	8.59	5.00	204
	2.5+3.5	2.17	3.03	---	1.70	5.20	6.30	0.35	1.09	2.28	1.55	4.94	10.31	96	4.78	A	544	A+++	8.58	5.20	213
	2.5+4.2	1.94	3.26	---	1.70	5.20	6.40	0.35	1.09	2.30	1.55	4.94	10.41	96	4.80	A	542	A+++	8.56	5.20	213
	2.5+5.0	1.73	3.47	---	1.70	5.20	6.50	0.35	1.06	2.14	1.55	4.81	9.68	96	4.92	A	529	A+++	8.53	5.20	214
	3.5+3.5	2.60	2.60	---	1.70	5.20	6.40	0.35	1.08	2.28	1.55	4.90	10.31	96	4.82	A	540	A+++	8.57	5.20	213
	3.5+4.2	2.36	2.84	---	1.70	5.20	6.40	0.35	1.08	2.26	1.55	4.90	10.21	96	4.83	A	539	A+++	8.55	5.20	213
	3.5+5.0	2.14	3.06	---	1.70	5.20	6.60	0.35	1.06	2.19	1.55	4.81	9.89	96	4.94	A	527	A+++	8.50	5.20	215
	4.2+4.2	2.60	2.60	---	1.70	5.20	6.50	0.35	1.07	2.24	1.55	4.85	10.11	96	4.88	A	533	A+++	8.54	5.20	213
	1.5+1.5+1.5	1.50	1.50	1.50	1.80	4.50	6.70	0.37	0.90	2.28	1.65	4.08	10.30	96	5.00	A	450	A+++	8.58	4.50	184
	1.5+1.5+2.0	1.50	1.50	2.00	1.80	5.00	6.70	0.37	1.06	2.26	1.65	4.81	10.20	96	4.76	A	526	A+++	8.51	5.20	214
	1.5+1.5+2.5	1.42	1.42	2.36	1.80	5.20	6.70	0.37	1.09	2.23	1.65	4.94	10.10	96	4.78	A	544	A+++	8.50	5.20	215
	1.5+1.5+3.5	1.20	1.20	2.80	1.90	5.20	6.80	0.37	1.09	2.28	1.65	4.94	10.30	96	4.81	A	541	A+++	8.50	5.20	215
	1.5+1.5+4.2	1.08	1.08	3.03	1.90	5.20	6.80	0.37	1.08	2.26	1.65	4.90	10.20	96	4.83	A	539	A+++	8.50	5.20	215
	1.5+1.5+5.0	0.98	0.98	3.25	2.00	5.20	7.10	0.35	1.05	2.17	1.55	4.76	9.80	96	4.98	A	523	A++	8.24	5.20	221
	1.5+2.0+2.0	1.42	1.89	1.89	1.80	5.20	6.70	0.37	1.10	2.21	1.65	4.99	10.00	96	4.77	A	546	A+++	8.50	5.20	215
	1.5+2.0+2.5	1.30	1.73	2.17	1.80	5.20	6.70	0.37	1.09	2.19	1.65	4.94	9.90	96	4.79	A	543	A+++	8.50	5.20	215
	1.5+2.0+3.5	1.11	1.49	2.60	1.90	5.20	6.80	0.37	1.08	2.23	1.65	4.90	10.10	96	4.82	A	540	A+++	8.50	5.20	215
	1.5+2.0+4.2	1.01	1.35	2.84	1.90	5.20	6.80	0.37	1.08	2.19	1.65	4.90	9.90	96	4.84	A	538	A+++	8.50	5.20	215
	1.5+2.0+5.0	0.92	1.22	3.06	2.00	5.20	7.20	0.35	1.04	2.15	1.55	4.72	9.70	96	5.01	A	519	A++	8.24	5.20	221
	1.5+2.5+2.5	1.20	2.00	2.00	1.80	5.20	6.70	0.37	1.09	2.17	1.65	4.94	9.80	96	4.81	A	541	A+++	8.52	5.20	214
	1.5+2.5+3.5	1.04	1.73	2.43	1.90	5.20	6.80	0.37	1.08	2.21	1.65	4.90	10.00	96	4.85	A	537	A+++	8.51	5.20	214
	1.5+2.5+4.2	0.95	1.59	2.66	1.90	5.20	6.80	0.37	1.07	2.19	1.65	4.85	9.90	96	4.87	A	534	A+++	8.50	5.20	214
	1.5+2.5+5.0	0.87	1.44	2.89	2.00	5.20	7.30	0.35	1.04	2.17	1.55	4.72	9.80	96	5.03	A	517	A++	8.17	5.20	223
	1.5+3.5+3.5	0.92	2.14	2.14	1.80	5.20	7.30	0.37	1.07	2.15	1.65	4.85	9.70	96	4.89	A	532	A+++	8.50	5.20	215
	2.0+2.0+2.0	1.73	1.73	1.73	1.80	5.20	7.00	0.37	1.07	2.22	1.65	4.85	10.05	96	4.87	A	534	A+++	8.51	5.20	214
	2.0+2.0+2.5	1.60	1.60	2.00	1.80	5.20	7.00	0.37	1.06	2.21	1.65	4.81	10.00	96	4.94	A	527	A+++	8.51	5.20	214
	2.0+2.0+3.5	1.39	1.39	2.43	1.90	5.20	7.20	0.39	1.05	2.17	1.75	4.76	9.80	96	4.96	A	525	A+++	8.50	5.20	214
	2.0+2.0+4.2	1.27	1.27	2.66	1.90	5.20	7.20	0.39	1.04	2.15	1.75	4.72	9.70	96	5.00	A	520	A+++	8.50	5.20	214
	2.0+2.0+5.0	1.16	1.16	2.89	2.00	5.20	7.30	0.37	1.03	2.19	1.65	4.67	9.91	96	5.05	A	515	A++	8.14	5.20	224
	2.0+2.5+2.5	1.49	1.86	1.86	1.80	5.20	7.10	0.39	1.05	2.12	1.75	4.76	9.60	96	4.98	A	523	A+++	8.51	5.20	214
	2.0+2.5+3.5	1.30	1.63	2.28	1.90	5.20	7.20	0.39	1.04	2.15	1.75	4.72	9.70	96	5.01	A	519	A+++	8.50	5.20	215
	2.0+2.5+4.2	1.20	1.49	2.51	1.90	5.20	7.20	0.39	1.04	2.14	1.75	4.72	9.65	96	5.03	A	517	A+++	8.50	5.20	214
	2.0+3.5+3.5	1.16	2.02	2.02	1.90	5.20	7.30	0.39	1.04	2.15	1.75	4.72	9.70	96	5.02	A	518	A+++	8.50	5.20	215
	2.5+2.5+2.5	1.73	1.73	1.73	1.90	5.20	7.10	0.39	1.04	2.19	1.75	4.72	9.90	96	5.00	A	520	A+++	8.50	5.20	215
	2.5+2.5+3.5	1.53	1.53	2.14	1.90	5.20	7.20	0.39	1.04	2.16	1.75	4.72	9.75	96	5.02	A	518	A+++	8.50	5.20	215

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
3MXM52N2V1B	1.5	0.23	---	---	1.10	2.30	3.40	0.30	0.57	1.09	1.34	2.55	4.94	96	---	---	---	---	---	---	---
	2.0	0.27	---	---	1.10	2.70	3.80	0.30	0.76	1.27	1.34	3.40	5.75	96	---	---	---	---	---	---	---
	2.5	0.34	---	---	1.10	3.40	4.20	0.30	1.01	1.36	1.34	4.54	6.16	96	---	---	---	---	---	---	---
	3.5	0.42	---	---	1.10	4.20	4.80	0.30	1.42	1.74	1.34	6.39	7.88	96	---	---	---	---	---	---	---
	4.2	0.48	---	---	1.10	4.80	5.60	0.30	1.62	2.03	1.34	7.32	9.18	96	---	---	---	---	---	---	---
	5.0	---	0.58	---	1.10	5.80	6.80	0.30	2.17	2.58	1.34	9.80	11.68	96	---	---	---	---	---	---	---
	1.5+1.5	0.18	0.18	---	1.20	3.60	5.80	0.32	0.67	1.62	1.44	3.04	7.34	96	5.42	A	A++	4.60	3.60	1095	0.5
	1.5+2.0	0.17	0.23	---	1.20	4.00	5.80	0.32	0.77	1.60	1.44	3.49	7.25	96	5.21	A	A++	4.65	3.60	1084	0.5
	1.5+2.5	0.17	0.28	---	1.20	4.50	6.90	0.32	0.91	2.06	1.44	4.13	9.33	96	4.96	A	A+	4.44	4.20	1325	0.7
	1.5+3.5	0.17	0.39	---	1.20	5.50	7.00	0.32	1.22	2.25	1.44	5.53	10.19	96	4.53	A	A+	4.30	4.80	1562	0.8
	1.5+4.2	0.16	0.44	---	1.20	6.00	7.00	0.32	1.42	2.23	1.44	6.44	10.10	96	4.24	A	A+	4.34	4.80	1546	0.8
	1.5+5.0	0.16	0.52	---	1.30	6.80	7.20	0.32	1.58	2.30	1.44	7.16	10.42	96	4.33	A	A+	4.47	4.80	1501	0.7
	2.0+2.0	0.34	0.34	---	1.20	6.80	7.00	0.32	1.59	2.26	1.44	7.21	10.24	96	4.28	A	A+	4.27	4.80	1573	0.9
	2.0+2.5	0.30	0.38	---	1.20	6.80	7.00	0.32	1.58	2.25	1.44	7.16	10.19	96	4.32	A	A+	4.30	4.80	1563	0.9
	2.0+3.5	0.25	0.43	---	1.20	6.80	7.10	0.32	1.57	2.26	1.44	7.12	10.24	96	4.34	A	A+	4.33	4.80	1552	0.8
	2.0+4.2	0.22	0.46	---	1.20	6.80	7.10	0.32	1.56	2.24	1.44	7.07	10.14	96	4.36	A	A+	4.36	4.80	1541	0.8
	2.0+5.0	0.19	0.49	---	1.40	6.80	7.20	0.32	1.53	2.28	1.44	6.93	10.32	96	4.46	A	A+	4.50	4.80	1492	0.7
	2.5+2.5	0.34	0.34	---	1.20	6.80	7.00	0.32	1.53	2.23	1.44	6.93	10.10	96	4.45	A	A+	4.38	4.80	1533	0.9
	2.5+3.5	0.28	0.40	---	1.30	6.80	7.20	0.32	1.53	2.35	1.44	6.93	10.64	96	4.46	A	A+	4.41	4.80	1523	0.8
	2.5+4.2	0.25	0.43	---	1.30	6.80	7.20	0.32	1.52	2.33	1.44	6.89	10.55	96	4.48	A	A+	4.45	4.80	1508	0.8
	2.5+5.0	0.23	0.45	---	1.40	6.80	7.40	0.32	1.50	2.33	1.44	6.80	10.52	96	4.54	A	A+	4.53	4.80	1482	0.7
	3.5+3.5	0.34	0.34	---	1.40	6.80	7.30	0.32	1.52	2.38	1.44	6.89	10.78	96	4.50	A	A+	4.40	5.00	1590	0.9
	3.5+4.2	0.31	0.37	---	1.40	6.80	7.30	0.32	1.51	2.36	1.44	6.84	10.69	96	4.52	A	A+	4.43	5.00	1579	0.9
	3.5+5.0	0.28	0.40	---	1.45	6.80	7.50	0.32	1.50	2.30	1.44	6.80	10.42	96	4.56	A	A+	4.52	5.00	1548	0.8
	4.2+4.2	0.34	0.34	---	1.40	6.80	7.30	0.32	1.50	2.35	1.44	6.80	10.62	96	4.55	A	A+	4.46	5.00	1569	0.9
	1.5+1.5+1.5	0.23	0.23	0.23	1.30	6.80	8.00	0.32	1.40	2.12	1.44	6.35	9.60	96	4.87	A	A++	4.60	5.00	1522	0.9
	1.5+1.5+2.0	0.20	0.20	0.27	1.30	6.80	8.00	0.32	1.40	2.10	1.44	6.35	9.51	96	4.88	A	A++	4.61	5.00	1517	0.9
	1.5+1.5+2.5	0.19	0.19	0.31	1.30	6.80	8.00	0.32	1.39	2.08	1.44	6.30	9.42	96	4.91	A	A++	4.63	5.00	1512	0.9
	1.5+1.5+3.5	0.16	0.16	0.37	1.40	6.80	8.10	0.32	1.38	2.13	1.44	6.25	9.65	96	4.94	A	A++	4.65	5.00	1506	0.9
	1.5+1.5+4.2	0.14	0.14	0.40	1.40	6.80	8.10	0.32	1.38	2.11	1.44	6.25	9.56	96	4.96	A	A++	4.66	5.00	1500	0.9
	1.5+1.5+5.0	0.13	0.13	0.43	1.60	6.80	8.30	0.32	1.32	2.09	1.44	5.98	9.47	96	5.18	A	A++	4.83	5.00	1448	0.8
	1.5+2.0+2.0	0.19	0.25	0.25	1.30	6.80	8.00	0.32	1.39	2.14	1.44	6.30	9.69	96	4.90	A	A++	4.62	5.00	1515	0.9
	1.5+2.0+2.5	0.17	0.23	0.28	1.30	6.80	8.00	0.32	1.38	2.12	1.44	6.25	9.60	96	4.93	A	A++	4.64	5.00	1509	0.9
	1.5+2.0+3.5	0.15	0.19	0.34	1.40	6.80	8.10	0.32	1.37	2.16	1.44	6.21	9.78	96	4.97	A	A++	4.65	5.00	1503	0.9
	1.5+2.0+4.2	0.13	0.18	0.37	1.40	6.80	8.10	0.32	1.36	2.14	1.44	6.16	9.69	96	5.00	A	A++	4.67	5.00	1498	0.9
	1.5+2.0+5.0	0.12	0.16	0.40	1.60	6.80	8.30	0.32	1.31	2.07	1.44	5.94	9.38	96	5.22	A	A++	4.85	5.00	1443	0.8
	1.5+2.5+2.5	0.16	0.26	0.26	1.30	6.80	8.00	0.32	1.38	2.12	1.44	6.25	9.60	96	4.95	A	A++	4.64	5.00	1507	0.9
	1.5+2.5+3.5	0.14	0.23	0.32	1.40	6.80	8.10	0.32	1.37	2.13	1.44	6.21	9.65	96	4.99	A	A++	4.66	5.00	1501	0.9
	1.5+2.5+4.2	0.12	0.21	0.35	1.40	6.80	8.10	0.32	1.36	2.11	1.44	6.16	9.56	96	5.01	A	A++	4.68	5.00	1495	0.9
	1.5+2.5+5.0	0.11	0.19	0.38	1.60	6.80	8.30	0.32	1.30	2.09	1.44	5.89	9.47	96	5.26	A	A++	4.86	5.00	1438	0.8
	1.5+3.5+3.5	0.12	0.28	0.28	1.30	6.80	8.20	0.32	1.36	2.14	1.44	6.16	9.69	96	5.02	A	A++	4.70	5.00	1489	0.9
	2.0+2.0+2.0	0.23	0.23	0.23	1.30	6.80	8.00	0.32	1.39	2.13	1.44	6.30	9.65	96	4.91	A	A++	4.61	5.00	1516	0.9
	2.0+2.0+2.5	0.21	0.21	0.26	1.30	6.80	8.00	0.32	1.38	2.11	1.44	6.25	9.56	96	4.95	A	A++	4.63	5.00	1510	0.9
	2.0+2.0+3.5	0.18	0.18	0.32	1.40	6.80	8.10	0.32	1.37	2.12	1.44	6.21	9.60	96	4.98	A	A++	4.66	5.00	1501	0.9
	2.0+2.0+4.2	0.17	0.17	0.35	1.40	6.80	8.10	0.32	1.36	2.10	1.44	6.16	9.51	96	5.01	A	A++	4.68	5.00	1496	0.9
	2.0+2.0+5.0	0.15	0.15	0.38	1.60	6.80	8.30	0.32	1.29	2.08	1.44	5.85	9.42	96	5.30	A	A++	4.88	5.00	1434	0.8
	2.0+2.5+2.5	0.19	0.24	0.24	1.30	6.80	8.00	0.32	1.37	2.09	1.44	6.21	9.47	96	4.99	A	A++	4.64	5.00	1508	0.9
	2.0+2.5+3.5	0.17	0.21	0.30	1.50	6.80	8.10	0.32	1.36	2.11	1.44	6.16	9.56	96	5.03	A	A++	4.67	5.00	1499	0.9
	2.0+2.5+4.2	0.16	0.20	0.33	1.50	6.80	8.10	0.32	1.35	2.11	1.44	6.12	9.56	96	5.07	A	A++	4.68	5.00	1493	0.9
	2.0+3.5+3.5	0.15	0.26	0.26	1.50	6.80	8.20	0.32	1.35	2.15	1.44	6.12	9.74	96	5.05	A	A++	4.68	5.00	1496	0.9
	2.5+2.5+2.5	0.23	0.23	0.23	1.40	6.80	8.00	0.32	1.36	2.07	1.44	6.16	9.38	96	5.02	A	A++	4.65	5.00	1505	0.9
	2.5+2.5+3.5	0.20	0.20	0.28	1.50	6.80	8.10	0.32	1.35	2.09	1.44	6.12	9.47	96	5.05	A	A++	4.68	5.00	1496	0.9

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room		Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
3MXM68N2V1B	1.5	1.60	---	---	1.52	1.60	2.49	0.40	0.42	0.59	1.82	1.98	2.71	95	---	---	---	---	---	---	---
	2.0	2.00	---	---	1.66	2.00	2.68	0.42	0.43	0.60	1.91	2.08	2.75	95	---	---	---	---	---	---	---
	2.5	2.50	---	---	1.74	2.50	3.44	0.44	0.44	0.82	2.00	2.62	3.77	95	---	---	---	---	---	---	---
	3.5	3.50	---	---	1.93	3.50	4.86	0.46	0.46	1.43	2.09	3.84	6.53	95	---	---	---	---	---	---	---
	4.2	---	---	4.20	1.93	4.20	5.33	0.46	0.46	1.44	2.09	3.93	6.57	95	---	---	---	---	---	---	---
	5.0	---	---	5.00	1.94	5.00	6.03	0.44	0.44	2.13	2.00	7.20	9.77	95	---	---	---	---	---	---	---
	6.0	---	---	6.00	1.94	6.00	6.51	0.44	0.44	2.13	2.00	7.29	9.77	95	---	---	---	---	---	---	---
	1.5+1.5	1.50	1.50	---	1.95	3.00	4.79	0.40	0.51	1.15	1.81	2.34	5.25	95	5.96	A	255	A++	7.29	3.00	144
	1.5+2.0	1.50	2.00	---	1.95	3.50	4.96	0.40	0.62	1.22	1.81	2.84	5.58	95	5.66	A	310	A++	7.53	3.50	163
	1.5+2.5	1.50	2.50	---	1.95	4.00	5.28	0.40	0.75	1.36	1.81	3.44	6.23	95	5.36	A	375	A++	7.75	4.00	181
	1.5+3.5	1.50	3.50	---	1.95	5.00	6.17	0.39	1.04	1.83	1.77	4.76	8.39	95	4.81	A	520	A++	7.80	5.00	225
	1.5+4.2	1.50	4.20	---	1.95	5.70	6.39	0.39	1.27	1.96	1.77	5.82	8.96	95	4.51	A	635	A++	7.84	5.70	255
	1.5+5.0	1.50	5.00	---	1.95	6.50	7.08	0.38	1.50	2.23	1.73	6.87	10.22	95	4.36	A	750	A++	7.86	6.50	290
	1.5+6.0	1.36	5.44	---	1.96	6.80	7.59	0.37	1.62	2.36	1.68	7.42	10.79	95	4.21	A	810	A++	7.81	6.80	305
	2.0+2.0	2.00	2.00	---	1.95	4.00	5.12	0.40	0.75	1.29	1.81	3.44	5.91	95	5.36	A	375	A++	7.75	4.00	181
	2.0+2.5	2.00	2.50	---	1.95	4.50	5.44	0.40	0.89	1.43	1.81	4.08	6.56	95	5.06	A	445	A++	7.80	4.50	202
	2.0+3.5	2.00	3.50	---	1.95	5.50	6.30	0.39	1.17	1.91	1.77	5.36	8.76	95	4.71	A	585	A++	7.91	5.50	244
	2.0+4.2	2.00	4.20	---	1.95	6.20	6.51	0.39	1.43	2.05	1.77	6.55	9.37	95	4.36	A	715	A++	7.88	6.20	276
	2.0+5.0	1.94	4.86	---	1.95	6.80	7.26	0.38	1.59	2.36	1.73	7.28	10.79	95	4.28	A	795	A++	7.78	6.80	306
	2.0+6.0	1.70	5.10	---	1.96	6.80	7.71	0.37	1.61	2.45	1.68	7.37	11.20	95	4.23	A	805	A++	7.71	6.80	309
	2.5+2.5	2.50	2.50	---	1.95	5.00	6.10	0.41	1.01	1.78	1.89	4.63	8.15	95	4.96	A	505	A++	7.81	5.00	224
	2.5+3.5	2.50	3.50	---	1.95	6.00	6.57	0.40	1.29	2.11	1.81	5.91	9.65	95	4.66	A	645	A++	7.94	6.00	265
	2.5+4.2	2.50	4.20	---	1.95	6.70	6.95	0.40	1.51	2.38	1.81	6.92	10.88	95	4.46	A	755	A++	7.99	6.70	294
	2.5+5.0	2.27	4.53	---	1.95	6.80	7.37	0.37	1.50	2.45	1.68	6.87	11.20	95	4.56	A	750	A++	7.93	6.80	300
	2.5+6.0	2.00	4.80	---	1.96	6.80	7.71	0.35	1.48	2.45	1.60	6.78	11.20	95	4.61	A	740	A++	7.90	6.80	301
	3.5+3.5	3.40	3.40	---	1.95	6.80	7.13	0.38	1.45	2.37	1.73	6.64	10.83	95	4.70	A	725	A++	8.02	6.80	297
	3.5+4.2	3.09	3.71	---	1.95	6.80	7.24	0.38	1.45	2.46	1.73	6.64	11.24	95	4.72	A	725	A++	8.00	6.80	298
	3.5+5.0	2.80	4.00	---	1.95	6.80	7.76	0.35	1.42	2.78	1.60	6.50	12.71	95	4.82	A	710	A++	7.92	6.80	301
	3.5+6.0	2.51	4.29	---	2.26	6.80	8.07	0.40	1.40	2.72	1.81	6.41	12.46	95	4.87	A	700	A++	7.89	6.80	302
	4.2+4.2	---	3.40	3.40	1.95	6.80	7.14	0.38	1.44	2.37	1.73	6.60	10.83	95	4.74	A	720	A++	7.98	6.80	298
	4.2+5.0	---	3.10	3.70	1.95	6.80	7.77	0.35	1.41	2.78	1.60	6.46	12.71	95	4.84	A	705	A++	7.90	6.80	302
	4.2+6.0	---	2.80	4.00	2.26	6.80	8.08	0.40	1.40	2.72	1.81	6.41	12.46	95	4.89	A	700	A++	7.87	6.80	303
	5.0+5.0	---	3.40	3.40	2.34	6.80	8.22	0.43	1.38	2.98	1.98	6.32	13.65	95	4.94	A	690	A++	7.88	6.80	302
	5.0+6.0	---	3.09	3.71	2.47	6.80	8.45	0.44	1.37	2.92	2.02	6.28	13.36	95	4.99	A	685	A++	7.85	6.80	304
	1.5+1.5+1.5	1.50	1.50	1.50	1.96	4.50	6.40	0.39	0.61	1.57	1.77	2.80	7.17	95	7.46	A	305	A+++	8.54	4.50	185
	1.5+1.5+2.0	1.44	1.44	1.92	1.96	4.80	6.56	0.39	0.70	1.65	1.77	3.21	7.54	95	6.86	A	350	A+++	8.52	4.80	198
	1.5+1.5+2.5	1.36	1.36	2.27	1.96	5.00	6.72	0.39	0.80	1.73	1.77	3.67	7.90	95	6.26	A	400	A+++	8.50	5.00	206
	1.5+1.5+3.5	1.50	1.50	3.50	1.96	6.50	7.11	0.38	1.56	1.92	1.73	7.14	8.80	95	4.19	A	780	A++	7.85	6.50	290
	1.5+1.5+4.2	1.42	1.42	3.97	1.96	6.80	7.33	0.38	1.80	2.05	1.73	8.24	9.37	95	3.79	A	900	A++	7.71	6.80	309
	1.5+1.5+5.0	1.28	1.28	4.25	1.96	6.80	7.74	0.36	1.75	2.22	1.64	8.01	10.14	95	3.89	A	875	A++	7.64	6.80	312
	1.5+1.5+6.0	1.13	1.13	4.53	2.31	6.80	7.99	0.40	1.73	2.17	1.85	7.92	9.94	95	3.94	A	865	A++	7.62	6.80	313
	1.5+2.0+2.0	1.50	2.00	2.00	1.96	5.50	6.48	0.39	1.01	1.61	1.77	4.63	7.37	95	5.46	A	505	A++	8.17	5.50	236
	1.5+2.0+2.5	1.50	2.00	2.50	1.96	6.00	6.87	0.39	1.32	1.81	1.77	6.05	8.27	95	4.56	A	660	A++	7.90	6.00	266
	1.5+2.0+3.5	1.46	1.94	3.40	1.96	6.80	7.25	0.38	1.80	2.01	1.73	8.24	9.21	95	3.79	A	900	A++	7.71	6.80	309
	1.5+2.0+4.2	1.32	1.77	3.71	1.96	6.80	7.47	0.38	1.79	2.14	1.73	8.20	9.78	95	3.81	A	895	A++	7.69	6.80	310
	1.5+2.0+5.0	1.20	1.60	4.00	1.96	6.80	7.87	0.36	1.74	2.31	1.64	7.97	10.55	95	3.91	A	870	A++	7.63	6.80	312
	1.5+2.0+6.0	1.07	1.43	4.29	2.31	6.80	8.13	0.40	1.72	2.26	1.85	7.88	10.35	95	3.96	A	860	A++	7.60	6.80	313
	1.5+2.5+2.5	1.50	2.50	2.50	1.96	6.50	7.10	0.38	1.63	1.92	1.73	7.46	8.80	95	4.01	A	815	A++	7.76	6.50	294
	1.5+2.5+3.5	1.36	2.27	3.17	1.96	6.80	7.60	0.36	1.79	2.23	1.64	8.20	10.18	95	3.81	A	895	A++	7.69	6.80	310
	1.5+2.5+4.2	1.24	2.07	3.48	1.96	6.80	7.81	0.36	1.78	2.35	1.64	8.15	10.75	95	3.83	A	890	A++	7.67	6.80	310
	1.5+2.5+5.0	1.13	1.89	3.78	1.96	6.80	7.95	0.36	1.74	2.35	1.64	7.97	10.75	95	3.93	A	870	A++	7.61	6.80	313
	1.5+2.5+6.0	1.02	1.70	4.08	2.31	6.80	8.42	0.41	1.71	2.44	1.89	7.83	11.16	95	3.98	A	855	A++	7.59	6.80	314
	1.5+3.5+3.5	1.20	2.80	2.80	1.96	6.80	7.94	0.37	1.77	2.45	1.68	8.11	11.20	95	3.85	A	885	A++	7.67	6.80	311
	1.5+3.5+4.2	1.11	2.59	3.10	1.96	6.80	8.13	0.37	1.76	2.58	1.68	8.06	11.81	95	3.87	A	880	A++	7.65	6.80	311
	1.5+3.5+5.0	1.02	2.38	3.40	1.96	6.80	8.46	0.33	1.72	2.72	1.52	7.88	12.46	95	3.97	A	860	A++	7.58	6.80	314
	1.5+3.5+6.0	0.93	2.16	3.71	2.31	6.80	8.56	0.41	1.70	2.53	1.89	7.79	11.57	95	4.02	A	850	A++	7.56	6.80	315
	1.5+4.2+4.2	1.03	2.88	2.88	1.96	6.80	8.26	0.37	1.75	2.68	1.68	8.01	12.26	95	3.89	A	875	A++	7.63	6.80	312
	1.5+4.2+5.0	0.95	2.67	3.18	1.96	6.80	8.53	0.33	1.71	2.77	1.52	7.83	12.67	95	3.99	A	855	A++	7.56	6.80	315
	2.0+2.0+2.0	2.00	2.00	2.00	1.96	6.00	6.64	0.39	1.34	1.68	1.77	6.14	7.70	95	4.51	A	670	A++	7.84	6.00	268
	2.0+2.0+2.5	2.00	2.00	2.50	1.96	6.50	7.03	0.39	1.63	1.89	1.77	7.46	8.64	95	4.01	A	815	A++	7.76	6.50	294
	2.0+2.0+3.5	1.81	1.81	3.17	1.96	6.80	7.40	0.38	1.79	2.09	1.73	8.20	9.57	95	3.81	A	895	A++	7.69	6.80	310
	2.0+2.0+4.2	1.66	1.66	3.48	1.96	6.80	7.61	0.38	1.78	2.23	1.73	8.15	10.18	95	3.83	A	890	A++	7.67	6.80	310
	2.0+2.0+5.0	1.51	1.51	3.78	1.96	6.80	8.01	0.36	1.74	2.39	1.64	7.97	10.96	95	3.93	A	870	A++	7.61	6.80	313
	2.0+2.0+6.0	1.36	1.36	4.08	2.31	6.80	8.27	0.40	1.71	2.35	1.85	7.83	10.75	95	3.98	A	855	A++	7.59	6.80	314
	2.0+2.5+2.5	1.94	2.43	2.43	1.96	6.80	7.24	0.38	1.77	2.01	1.73	8.11	9.21	95	3.85	A	885	A++	7.71	6.80	309
	2.0+2.5+3.5	1.70	2.13	2.98	1.96	6.80	7.74	0.36	1.76	2.31	1.64	8.06	10.55	95	3.87	A	880	A++	7.69	6.80	310
	2.0+2.5+4.2	1.56	1.95	3.28	1.96	6.80	7.94	0.36	1.75	2.45	1.64	8.01	11.20	95	3.89	A	875	A++	7.68	6.80	310
	2.0+2.5+5.0	1.43	1.79	3.58	1.96	6.80	8.08	0.36	1.71	2.44	1.64	7.83	11.16	95	3.99	A	855	A++	7.61	6.80	313
	2.0+2.5+6.0	1.30	1.62	3.89	2.31	6.80	8.55	0.41	1.69	2.53	1.89	7.74	11.57	95	4.04	A	845	A++	7.58	6.80	314
	2.0+3.5+3.5	1.51	2.64	2.64	1.96	6.80	8.07	0.37	1.74	2.54	1.68	7.97	11.61	95	3.91	A	870	A++	7.67	6.80	311
	2.0+3.5+4.2	1.40	2.45	2.94	1.96	6.80	8.25	0.37	1.74	2.68	1.68	7.97	12.26	95	3.93	A	870	A++	7.65	6.80	311
	2.0+3.5+5.0	1.30	2.27	3.24	2.28	6.80	8.58	0.40	1.69	2.82	1.85	7.74	12.91	95	4.03	A	845	A++	7.58	6.80	314
	2.0+4.2+4.2	1.31	2.75	2.75	1.96	6.80	8.37	0.37	1.73	2.77	1.68	7.92	12.67	95	3.95	A	865	A++	7.63	6.80	312
	2.5+2.5+2.5	2.27	2.27	2.27	1.96	6.80	7.53	0.38	1.76	2.18	1.73	8.06	9.98	95	3.87	A	880	A++	7.70	6.80	310
	2.5+2.5+3.5	2.00	2.00	2.80	1.96	6.80	7.94	0.36	1.72	2.45	1.64	7.88	11.20	95	3.97	A	860	A++	7.62	6.80	313
	2.5+2.5+4.2	1.85	1.85	3.10	1.96	6.80	8.12	0.36	1.71	2.58	1.64	7.83	11.81	95	3.99	A	855	A++	7.60	6.80	313
	2.5+2.5+5.0	1.70	1.70	3.40	2.28	6.80	8.45	0.40	1.67	2.72	1.85	7.65	12.46	95	4.09	A	835	A++	7.53	6.80	316
	2.5+2.5+6.0	1.55	1.55	3.71	2.42	6.80	8.74	0.40	1.65	2.67	1.85	7.56	12.22	95	4.14	A	825	A++	7.51	6.80	317
	2.5+3.5+3.5	1.79	2.51	2.51	2.27	6.80	8.30	0.40	1.70	2.72	1.85	7.79	12.46	95	4.01	A	850	A++	7.59	6.80	314
	2.5+3.5+4.2	1.67	2.33	2.80	2.27	6.80	8.43	0.40	1.69	2.82	1.85	7.74	12.91	95	4.03	A	845	A++	7.58	6.80	314
	2.5+3.5+5.0	1.55	2.16	3.09	2.48	6.80	8.74	0.42	1.65	2.96	1.94	7.56	13.56	95	4.13	A	825	A++	7.50	6.80	317
	2.5+4.2+4.2	1.56	2.62	2.62	2.27	6.80	8.49	0.40	1.68	2.87	1.85	7.69	13.12	95	4.05	A	840	A++	7.56	6.80	315
	3.5+3.5+3.5	2.27	2.27	2.27	2.38	6.80	8.59	0.40	1.68	2.96	1.81	7.69	13.56	95	4.05	A	840	A++	7.57	6.80	315

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
3MXM68N2V1B	30	2.70	---	---	1.47	2.70	4.08	0.42	0.72	1.22	1.91	3.35	5.59	95	---	---	---	---	---	---	---
	40	2.72	---	---	1.48	2.72	4.09	0.43	0.73	1.28	1.95	3.39	5.64	95	---	---	---	---	---	---	---
	50	3.40	---	---	1.44	3.40	4.30	0.42	1.02	1.37	1.91	4.72	6.08	95	---	---	---	---	---	---	---
	70	4.30	---	---	1.45	4.30	4.90	0.40	1.41	1.75	1.82	6.50	7.15	95	---	---	---	---	---	---	---
	84	---	4.32	---	1.44	4.32	5.70	0.40	1.40	2.04	1.82	6.46	7.15	95	---	---	---	---	---	---	---
	100	---	5.60	---	1.66	5.60	6.90	0.39	1.82	2.59	1.78	8.43	8.70	95	---	---	---	---	---	---	---
	120	---	7.90	---	1.88	7.90	8.91	0.37	2.62	2.64	1.69	12.13	12.08	95	---	---	---	---	---	---	---
	1.5+1.5	2.65	2.65	---	1.65	5.30	7.38	0.36	1.19	1.83	1.63	5.45	8.38	95	4.45	A	A	3.85	3.80	1380	0.73
	1.5+2.0	2.44	3.26	---	1.65	5.70	7.76	0.36	1.31	1.99	1.63	6.00	9.09	95	4.35	A	A	3.85	3.80	1380	0.72
	1.5+2.5	2.29	3.81	---	1.65	6.10	7.95	0.36	1.43	2.06	1.63	6.55	9.43	95	4.27	A	A	3.87	3.80	1373	0.71
	1.5+3.5	2.07	4.83	---	1.80	6.90	8.50	0.37	1.69	2.35	1.68	7.74	10.74	95	4.10	A	A	3.86	4.30	1558	0.92
	1.5+4.2	1.97	5.53	---	1.80	7.50	8.85	0.37	1.90	2.57	1.68	8.70	11.75	95	3.97	A	A	3.88	4.30	1548	0.91
	1.5+5.0	1.89	6.31	---	2.18	8.20	10.38	0.45	2.13	2.91	2.06	9.75	13.31	95	3.86	A	A	3.87	4.50	1628	0.96
	1.5+6.0	1.72	6.88	---	2.46	8.60	10.58	0.48	2.28	2.67	2.19	10.44	12.21	95	3.78	A	A	3.91	4.80	1717	1.07
	2.0+2.0	3.25	3.25	---	1.65	6.50	7.95	0.36	1.37	2.31	1.63	6.28	9.47	95	4.75	A	A	3.91	3.80	1361	0.71
	2.0+2.5	3.07	3.83	---	1.65	6.90	8.12	0.36	1.52	2.32	1.63	6.96	9.81	95	4.56	A	A	3.92	3.80	1354	0.71
	2.0+3.5	2.73	4.77	---	1.80	7.50	8.67	0.37	1.75	2.43	1.68	8.01	11.12	95	4.30	A	A	3.86	4.30	1558	0.91
	2.0+4.2	2.58	5.42	---	1.80	8.00	9.03	0.37	1.98	2.66	1.68	9.07	12.17	95	4.06	A	A	3.88	4.30	1550	0.90
	2.0+5.0	2.46	6.14	---	2.18	8.60	10.56	0.45	2.26	3.00	2.06	10.35	13.73	95	3.82	A	A	3.90	4.50	1612	0.96
	2.0+6.0	2.15	6.45	---	2.46	8.60	10.75	0.48	2.24	2.74	2.19	10.26	12.55	95	3.84	A	A	3.93	4.80	1710	1.07
	2.5+2.5	3.60	3.60	---	1.65	7.20	8.49	0.36	1.62	2.36	1.63	7.42	10.78	95	4.46	A	A	3.85	4.00	1455	0.79
	2.5+3.5	3.29	4.61	---	1.89	7.90	9.03	0.38	1.91	2.66	1.72	8.75	12.17	95	4.14	A	A	3.83	4.30	1569	0.90
	2.5+4.2	3.10	5.20	---	1.89	8.30	9.29	0.38	2.11	2.82	1.72	9.66	12.93	95	3.95	A	A	3.86	4.30	1559	0.90
	2.5+5.0	2.87	5.73	---	2.27	8.60	10.68	0.46	2.24	3.09	2.11	10.26	14.15	95	3.86	A	A	3.84	4.50	1637	0.91
	2.5+6.0	2.53	6.07	---	2.55	8.60	10.88	0.50	2.22	2.77	2.28	10.17	12.67	95	3.88	A	A	3.91	4.80	1716	1.00
	3.5+3.5	4.30	4.30	---	2.17	8.60	9.38	0.42	2.26	2.86	1.94	10.35	13.09	95	3.81	A	A+	4.00	4.80	1680	1.07
	3.5+4.2	3.91	4.69	---	2.17	8.60	9.47	0.42	2.26	2.91	1.94	10.35	13.31	95	3.82	A	A+	4.01	4.80	1675	1.06
	3.5+5.0	3.54	5.06	---	2.56	8.60	10.90	0.51	2.22	3.13	2.32	10.17	14.32	95	3.88	A	A+	4.01	4.80	1675	1.03
	3.5+6.0	3.17	5.43	---	2.74	8.60	11.01	0.52	2.21	2.76	2.37	10.12	12.63	95	3.91	A	A+	4.06	4.80	1652	1.01
	4.2+4.2	---	4.30	4.30	2.17	8.60	9.56	0.42	2.22	2.94	1.94	10.17	13.47	95	3.88	A	A+	4.00	4.80	1679	1.04
	4.2+5.0	---	3.93	4.67	2.56	8.60	10.91	0.51	2.21	3.19	2.32	10.12	14.61	95	3.90	A	A	3.93	5.20	1851	1.20
	4.2+6.0	---	3.54	5.06	2.74	8.60	11.02	0.51	2.20	2.79	2.32	10.07	12.76	95	3.92	A	A+	4.03	5.20	1804	1.18
	5.0+5.0	---	4.30	4.30	2.94	8.60	11.10	0.59	2.17	3.11	2.71	9.94	14.23	95	3.98	A	A+	4.06	5.20	1793	1.15
	5.0+6.0	---	3.91	4.69	3.14	8.60	11.10	0.60	2.15	2.72	2.75	9.84	12.46	95	4.01	A	A+	4.09	5.20	1779	1.13
	1.5+1.5+1.5	2.17	2.17	2.17	2.01	6.50	9.92	0.41	1.33	2.26	1.89	6.09	10.36	95	4.91	A	A+	4.07	5.30	1822	1.11
	1.5+1.5+2.0	2.07	2.07	2.76	2.01	6.90	10.10	0.41	1.46	2.34	1.89	6.69	10.69	95	4.74	A	A+	4.08	5.30	1817	1.10
	1.5+1.5+2.5	2.02	2.02	3.36	2.10	7.40	10.18	0.42	1.64	2.37	1.94	7.51	10.86	95	4.53	A	A+	4.09	5.30	1810	1.09
	1.5+1.5+3.5	1.89	1.89	4.42	2.31	8.20	10.29	0.44	1.87	2.49	2.02	8.56	11.41	95	4.39	A	A+	4.14	5.30	1793	1.07
	1.5+1.5+4.2	1.79	1.79	5.02	2.31	8.60	10.29	0.44	2.03	2.49	2.02	9.30	11.41	95	4.25	A	A+	4.15	5.30	1786	1.07
	1.5+1.5+5.0	1.61	1.61	5.38	2.71	8.60	10.46	0.55	2.01	2.57	2.50	9.20	11.75	95	4.29	A	A+	4.23	5.30	1752	1.03
	1.5+1.5+6.0	1.43	1.43	5.73	2.93	8.60	10.59	0.55	1.99	2.31	2.50	9.11	10.57	95	4.33	A	A+	4.27	5.30	1735	1.01
	1.5+2.0+2.0	2.35	3.13	3.13	2.01	8.60	10.26	0.41	2.05	2.41	1.89	9.39	11.03	95	4.21	A	A+	4.09	5.30	1814	1.10
	1.5+2.0+2.5	2.15	2.87	3.58	2.10	8.60	10.36	0.42	2.04	2.44	1.94	9.34	11.16	95	4.23	A	A+	4.10	5.30	1807	1.09
	1.5+2.0+3.5	1.84	2.46	4.30	2.31	8.60	10.45	0.44	2.02	2.58	2.02	9.25	11.79	95	4.26	A	A+	4.14	5.30	1793	1.07
	1.5+2.0+4.2	1.68	2.23	4.69	2.31	8.60	10.46	0.44	2.01	2.57	2.02	9.20	11.75	95	4.28	A	A+	4.15	5.30	1786	1.07
	1.5+2.0+5.0	1.52	2.02	5.06	2.71	8.60	10.88	0.55	2.00	2.64	2.50	9.16	12.08	95	4.32	A	A+	4.23	5.30	1752	1.03
	1.5+2.0+6.0	1.36	1.81	5.43	2.93	8.60	10.89	0.55	1.98	2.38	2.50	9.07	10.91	95	4.36	A	A+	4.27	5.30	1735	1.01
	1.5+2.5+2.5	1.98	3.31	3.31	2.20	8.60	10.47	0.45	2.03	2.44	2.06	9.30	11.16	95	4.25	A	A+	4.12	5.30	1800	1.08
	1.5+2.5+3.5	1.72	2.87	4.01	2.40	8.60	10.58	0.47	2.02	2.57	2.15	9.25	11.75	95	4.27	A	A+	4.16	5.30	1782	1.06
	1.5+2.5+4.2	1.57	2.62	4.40	2.41	8.60	10.58	0.47	2.00	2.57	2.15	9.16	11.75	95	4.30	A	A+	4.19	5.30	1768	1.05
	1.5+2.5+5.0	1.43	2.39	4.78	2.81	8.60	11.00	0.56	1.99	2.64	2.58	9.11	12.08	95	4.34	A	A+	4.27	5.30	1735	1.01
	1.5+2.5+6.0	1.29	2.15	5.16	3.02	8.60	11.00	0.57	1.97	2.38	2.62	9.02	10.91	95	4.38	A	A+	4.31	5.30	1719	0.99
	1.5+3.5+3.5	1.52	3.54	3.54	2.69	8.60	10.59	0.55	1.99	2.57	2.50	9.11	11.75	95	4.33	A	A+	4.20	5.30	1765	1.04
	1.5+3.5+4.2	1.40	3.27	3.93	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	11.71	95	4.35	A	A+	4.22	5.30	1755	1.03
	1.5+3.5+5.0	1.29	3.01	4.30	3.00	8.60	10.93	0.62	1.97	2.59	2.84	9.02	11.87	95	4.38	A	A+	4.30	5.30	1722	0.99
	1.5+3.5+6.0	1.17	2.74	4.69	2.93	8.60	10.93	0.55	1.96	2.37	2.50	8.98	10.86	95	4.40	A	A+	4.34	5.30	1707	0.98
	1.5+4.2+4.2	1.30	3.65	3.65	2.69	8.60	10.68	0.55	1.98	2.59	2.50	9.07	11.87	95	4.35	A	A+	4.24	5.30	1748	1.02
	1.5+4.2+5.0	1.21	3.38	4.02	3.00	8.60	10.99	0.62	1.96	2.67	2.84	8.98	12.21	95	4.39	A	A+	4.32	5.30	1716	0.99
	2.0+2.0+2.0	2.60	2.60	2.60	2.01	7.80	10.44	0.41	1.72	2.48	1.89	7.88	11.37	95	4.56	A	A+	4.07	5.30	1821	1.10
	2.0+2.0+2.5	2.52	2.52	3.15	2.10	8.20	10.52	0.42	1.83	2.52	1.94	8.38	11.54	95	4.49	A	A+	4.09	5.30	1814	1.10
	2.0+2.0+3.5	2.29	2.29	4.01	2.31	8.60	10.63	0.44	2.04	2.65	2.02	9.34	12.13	95	4.22	A	A+	4.13	5.30	1796	1.08
	2.0+2.0+4.2	2.10	2.10	4.40	2.31	8.60	10.63	0.44	2.02	2.65	2.02	9.25	12.13	95	4.26	A	A+	4.14	5.30	1789	1.07
	2.0+2.0+5.0	1.91	1.91	4.78	2.71	8.60	10.82	0.55	2.00	2.72	2.50	9.16	12.46	95	4.30	A	A+	4.22	5.30	1755	1.03
	2.0+2.0+6.0	1.72	1.72	5.16	2.93	8.60	10.95	0.55	1.99	2.46	2.50	9.11	11.24	95	4.32	A	A+	4.26	5.30	1739	1.01
	2.0+2.5+2.5	2.46	3.07	3.07	2.20	8.60	10.54	0.43	1.97	2.61	1.98	9.02	11.96	95	4.38	A	A+	4.10	5.30	1807	1.09
	2.0+2.5+3.5	2.15	2.69	3.76	2.40	8.60	10.63	0.46	2.02	2.65	2.11	9.25	12.13	95	4.27	A	A+	4.14	5.30	1789	1.07
	2.0+2.5+4.2	1.98	2.47	4.15	2.41	8.60	10.64	0.46	2.01	2.64	2.11	9.20	12.08	95	4.29	A	A+	4.16	5.30	1782	1.06
	2.0+2.5+5.0	1.81	2.26	4.53	2.81	8.60	11.06	0.56	1.98	2.75	2.58	9.07	12.59	95	4.34	A	A+	4.24	5.30	1748	1.02
	2.0+2.5+6.0	1.64	2.05	4.91	3.02	8.60	11.07	0.56	1.98	2.43	2.58	9.07	11.12	95	4.36	A	A+	4.28	5.30	1732	1.01
	2.0+3.5+3.5	1.91	3.34	3.34	2.69	8.60	10.76	0.52	2.00	2.70	2.37	9.16	12.34	95	4.32	A	A+	4.18	5.30	1772	1.05
	2.0+3.5+4.2	1.77	3.10	3.72	2.69	8.60	10.76	0.52	1.99	2.69	2.37	9.11	12.29	95	4.33	A	A+	4.20	5.30	1765	1.04
	2.0+3.5+5.0	1.64	2.87	4.10	3.00	8.60	11.11	0.58	1.98	2.82	2.67	9.07	12.88	95	4.36	A	A+	4.28	5.30	1732	1.01
	2.0+4.2+4.2	1.65	3.47	3.47	2.69	8.60	10.77	0.52	1.97	2.69	2.37	9.02	12.29	95	4.38	A	A+	4.32	5.30	1716	0.99
	2.5+2.5+2.5	2.87	2.87	2.87	2.31	8.60	10.65	0.45	1.99	2.64	2.06	9.11	12.08	95	4.32	A	A+	4.12	5.30	1800	1.08
	2.5+2.5+3.5	2.53	2.53	3.54	2.50	8.60	10.87	0.48	1.99	2.72	2.19	9.11	12.46	95	4.34	A	A+	4.16	5.30	1782	1.06
	2.5+2.5+4.2	2.34	2.34	3.93	2.50	8.60	10.88	0.48	1.97	2.72	2.19	9.02	12.46	95	4.37	A	A+	4.18	5.30	1775	1.05
	2.5+2.5+5.0	2.15	2.15	4.30	2.91	8.60	11.07	0.58	1.96	2.78	2.67	8.98	12.72	95	4.41	A	A+	4.26	5.30	1742	1.02
	2.5+2.5+6.0	1.95	1.95	4.69	3.12	8.60	11.08	0.58	1.94	2.43	2.67	8.88	11.12	95	4.45	A	A+	4.30	5.30	1726	1.00
	2.5+3.5+3.5	2.26	3.17	3.17	2.78	8.60	11.00	0.53	1.96	2.72	2.41	8.98	12.46	95	4.40	A	A+	4.20	5.30	1765	1.04
	2.5+3.5+4.2	2.11	2.95	3.54	2.79	8.60	11.01	0.53	1.96	2.71	2.41	8.98	12.42	95	4.41	A	A+	4.22	5.30	1758	1.04
	2.5+3.5+5.0	1.95	2.74	3.91	3.19	8.60	11.08	0.60	1.90	2.74	2.75	8.70	12.55	95	4.54	A	A+	4.30	5.30	1726	1.00
	2.5+4.2+4.2	1.97	3.31	3.31	2.79	8.60	11.01	0.53	1.95	2.71	2.41	8.93	12.42	95	4.42	A	A+	4.23	5.30	1752	1.03
	3.5+3.5+3.5	2.87	2.87	2.87	2.98	8.60	11.06	0.57	1.94	2.79	2.62	8.88	12.76	95	4.44	A	A+	4.24	5.30	1748	1.02

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
4MXM68N2V1B	1.5	1.60	---	---	---	1.57	1.60	2.49	0.40	0.42	0.59	1.82	1.98	2.71	95	---	---	---	---	---	---	---
	2.0	2.00	---	---	---	1.65	2.00	2.68	0.42	0.43	0.60	1.91	2.08	2.75	95	---	---	---	---	---	---	---
	2.5	2.50	---	---	---	1.74	2.50	3.44	0.44	0.44	0.82	2.00	2.62	3.77	95	---	---	---	---	---	---	---
	3.5	3.50	---	---	---	1.93	3.50	4.86	0.46	0.46	1.43	2.09	3.84	6.53	95	---	---	---	---	---	---	---
	4.2	---	---	4.20	---	1.93	4.20	5.33	0.46	0.46	1.44	2.09	3.93	6.57	95	---	---	---	---	---	---	---
	5.0	---	---	5.00	---	1.94	5.00	6.03	0.44	0.44	2.13	2.00	7.20	9.77	95	---	---	---	---	---	---	---
	6.0	---	---	6.00	---	1.94	6.00	6.51	0.44	0.44	2.13	2.00	7.29	9.77	95	---	---	---	---	---	---	---
	1.5+1.5	1.50	1.50	---	---	1.95	3.00	4.79	0.40	0.51	1.15	1.81	2.34	5.25	95	5.96	A	255	A++	7.29	3.0	144
	1.5+2.0	1.50	2.00	---	---	1.95	3.50	4.96	0.40	0.62	1.22	1.81	2.84	5.58	95	5.66	A	310	A++	7.53	3.5	163
	1.5+2.5	1.50	2.50	---	---	1.95	4.00	5.28	0.40	0.75	1.36	1.81	3.44	6.23	95	5.36	A	375	A++	7.75	4.0	181
	1.5+3.5	1.50	3.50	---	---	1.95	5.00	6.17	0.39	1.04	1.83	1.77	4.76	8.39	95	4.81	A	520	A++	7.8	5.0	225
	1.5+4.2	1.50	4.20	---	---	1.95	5.70	6.39	0.39	1.27	1.96	1.77	5.82	8.96	95	4.51	A	635	A++	7.84	5.7	255
	1.5+5.0	1.50	---	5.00	---	1.95	6.50	7.08	0.38	1.50	2.23	1.73	6.87	10.22	95	4.36	A	750	A++	7.86	6.5	290
	1.5+6.0	1.36	---	5.44	---	1.96	6.80	7.59	0.37	1.62	2.36	1.68	7.42	10.79	95	4.21	A	810	A++	7.81	6.8	305
	2.0+2.0	2.00	2.00	---	---	1.95	4.00	5.12	0.40	0.75	1.29	1.81	3.44	5.91	95	5.36	A	375	A++	7.75	4.0	181
	2.0+2.5	2.00	2.50	---	---	1.95	4.50	5.44	0.40	0.89	1.43	1.81	4.08	6.56	95	5.06	A	445	A++	7.8	4.5	202
	2.0+3.5	2.00	3.50	---	---	1.95	5.50	6.30	0.39	1.17	1.91	1.77	5.36	8.76	95	4.71	A	585	A++	7.91	5.5	244
	2.0+4.2	2.00	4.20	---	---	1.95	6.20	6.51	0.39	1.43	2.05	1.77	6.55	9.37	95	4.36	A	715	A++	7.88	6.2	276
	2.0+5.0	1.94	---	4.86	---	1.95	6.80	7.26	0.38	1.59	2.36	1.73	7.28	10.79	95	4.28	A	795	A++	7.78	6.8	306
	2.0+6.0	1.70	---	5.10	---	1.96	6.80	7.71	0.37	1.61	2.45	1.68	7.37	11.20	95	4.23	A	805	A++	7.71	6.8	309
	2.5+2.5	2.50	2.50	---	---	1.95	5.00	6.10	0.41	1.01	1.78	1.89	4.63	8.15	95	4.96	A	505	A++	7.81	5.0	224
	2.5+3.5	2.50	3.50	---	---	1.95	6.00	6.57	0.40	1.29	2.11	1.81	5.91	9.65	95	4.66	A	645	A++	7.94	6.0	265
	2.5+4.2	2.50	4.20	---	---	1.95	6.70	6.95	0.40	1.51	2.38	1.81	6.92	10.88	95	4.46	A	755	A++	7.99	6.7	294
	2.5+5.0	2.27	---	4.53	---	1.95	6.80	7.37	0.37	1.50	2.45	1.68	6.87	11.20	95	4.56	A	750	A++	7.93	6.8	300
	2.5+6.0	2.00	---	4.80	---	1.96	6.80	7.71	0.35	1.48	2.45	1.60	6.78	11.20	95	4.61	A	740	A++	7.9	6.8	301
	3.5+3.5	3.40	3.40	---	---	1.95	6.80	7.13	0.38	1.45	2.37	1.73	6.64	10.83	95	4.7	A	725	A++	8.02	6.8	297
	3.5+4.2	3.09	3.71	---	---	1.95	6.80	7.24	0.38	1.45	2.46	1.73	6.64	11.24	95	4.72	A	725	A++	8	6.8	298
	3.5+5.0	2.80	---	4.00	---	1.95	6.80	7.76	0.35	1.42	2.78	1.60	6.50	12.71	95	4.82	A	710	A++	7.92	6.8	301
	3.5+6.0	2.51	---	4.29	---	2.26	6.80	8.07	0.40	1.40	2.72	1.81	6.41	12.46	95	4.87	A	700	A++	7.89	6.8	302
	4.2+4.2	3.40	3.40	---	---	1.95	6.80	7.14	0.38	1.44	2.37	1.73	6.60	10.83	95	4.74	A	720	A++	7.98	6.8	298
	4.2+5.0	3.10	---	3.70	---	1.95	6.80	7.77	0.35	1.41	2.78	1.60	6.46	12.71	95	4.84	A	705	A++	7.9	6.8	302
	4.2+6.0	2.80	---	4.00	---	2.26	6.80	8.08	0.40	1.40	2.72	1.81	6.41	12.46	95	4.89	A	700	A++	7.87	6.8	303
	5.0+5.0	---	---	3.40	3.40	2.34	6.80	8.22	0.43	1.38	2.98	1.98	6.32	13.65	95	4.94	A	690	A++	7.88	6.8	302
	5.0+6.0	---	---	3.09	3.71	2.47	6.80	8.45	0.44	1.37	2.92	2.02	6.28	13.36	95	4.99	A	685	A++	7.85	6.8	304
	1.5+1.5+1.5	1.50	1.50	1.50	---	1.96	4.50	6.40	0.39	0.61	1.57	1.77	2.80	7.17	95	7.46	A	305	A+++	8.54	4.5	185
	1.5+1.5+2.0	1.44	1.44	1.92	---	1.96	4.80	6.56	0.39	0.70	1.65	1.77	3.21	7.54	95	6.86	A	350	A+++	8.52	4.8	198
	1.5+1.5+2.5	1.36	1.36	2.27	---	1.96	5.00	6.72	0.39	0.80	1.73	1.77	3.67	7.90	95	6.26	A	400	A+++	8.5	5.0	206
	1.5+1.5+3.5	1.50	1.50	3.50	---	1.96	6.50	7.11	0.38	1.56	1.92	1.73	7.14	8.80	95	4.19	A	780	A++	7.85	6.5	290
	1.5+1.5+4.2	1.42	1.42	3.97	---	1.96	6.80	7.33	0.38	1.80	2.05	1.73	8.24	9.37	95	3.79	A	900	A++	7.71	6.8	309
	1.5+1.5+5.0	1.28	1.28	4.25	---	1.96	6.80	7.74	0.36	1.75	2.22	1.64	8.01	10.14	95	3.89	A	875	A++	7.64	6.8	312
	1.5+1.5+6.0	1.13	1.13	4.53	---	2.31	6.80	7.99	0.40	1.73	2.17	1.85	7.92	9.94	95	3.94	A	865	A++	7.62	6.8	313
	1.5+2.0+2.0	1.50	2.00	2.00	---	1.96	5.50	6.48	0.39	1.01	1.61	1.77	4.63	7.37	95	5.46	A	505	A++	8.17	5.5	236
	1.5+2.0+2.5	1.50	2.00	2.50	---	1.96	6.00	6.87	0.39	1.32	1.81	1.77	6.05	8.27	95	4.56	A	660	A++	7.9	6.0	266
	1.5+2.0+3.5	1.46	1.94	3.40	---	1.96	6.80	7.25	0.38	1.80	2.01	1.73	8.24	9.21	95	3.79	A	900	A++	7.71	6.8	309
	1.5+2.0+4.2	1.32	1.77	3.71	---	1.96	6.80	7.47	0.38	1.79	2.14	1.73	8.20	9.78	95	3.81	A	895	A++	7.69	6.8	310
	1.5+2.0+5.0	1.20	1.60	4.00	---	1.96	6.80	7.87	0.36	1.74	2.31	1.64	7.97	10.55	95	3.91	A	870	A++	7.63	6.8	312
	1.5+2.0+6.0	1.07	1.43	4.29	---	2.31	6.80	8.13	0.40	1.72	2.26	1.85	7.88	10.35	95	3.96	A	860	A++	7.6	6.8	313
	1.5+2.5+2.5	1.50	2.50	2.50	---	1.96	6.50	7.10	0.38	1.63	1.92	1.73	7.46	8.80	95	4.01	A	815	A++	7.76	6.5	294
	1.5+2.5+3.5	1.36	2.27	3.17	---	1.96	6.80	7.60	0.36	1.79	2.23	1.64	8.20	10.18	95	3.81	A	895	A++	7.69	6.8	310
	1.5+2.5+4.2	1.24	2.07	3.48	---	1.96	6.80	7.81	0.36	1.78	2.35	1.64	8.15	10.75	95	3.83	A	890	A++	7.67	6.8	310
	1.5+2.5+5.0	1.13	1.89	3.78	---	1.96	6.80	7.95	0.36	1.74	2.35	1.64	7.97	10.75	95	3.93	A	870	A++	7.61	6.8	313
	1.5+2.5+6.0	1.02	1.70	4.08	---	2.31	6.80	8.42	0.41	1.71	2.44	1.89	7.83	11.16	95	3.98	A	855	A++	7.59	6.8	314
	1.5+3.5+3.5	1.20	2.80	2.80	---	1.96	6.80	7.94	0.37	1.77	2.45	1.68	8.11	11.20	95	3.85	A	885	A++	7.67	6.8	311
	1.5+3.5+4.2	1.11	2.59	3.10	---	1.96	6.80	8.13	0.37	1.76	2.58	1.68	8.06	11.81	95	3.87	A	880	A++	7.65	6.8	311
	1.5+3.5+5.0	1.02	2.38	3.40	---	1.96	6.80	8.46	0.33	1.72	2.72	1.52	7.88	12.46	95	3.97	A	860	A++	7.58	6.8	314
	1.5+3.5+6.0	0.93	2.16	3.71	---	2.31	6.80	8.56	0.41	1.70	2.53	1.89	7.79	11.57	95	4.02	A	850	A++	7.56	6.8	315
	1.5+4.2+4.2	1.03	2.88	2.88	---	1.96	6.80	8.26	0.37	1.75	2.68	1.68	8.01	12.26	95	3.89	A	875	A++	7.63	6.8	312
	1.5+4.2+5.0	0.95	2.67	3.18	---	1.96	6.80	8.53	0.33	1.71	2.77	1.52	7.83	12.67	95	3.99	A	855	A++	7.56	6.8	315
	2.0+2.0+2.0	2.00	2.00	2.00	---	1.96	6.00	6.64	0.39	1.34	1.68	1.77	6.14	7.70	95	4.51	A	670	A++	7.84	6.0	268
	2.0+2.0+2.5	2.00	2.00	2.50	---	1.96	6.50	7.03	0.39	1.63	1.89	1.77	7.46	8.64	95	4.01	A	815	A++	7.76	6.5	294
	2.0+2.0+3.5	1.81	1.81	3.17	---	1.96	6.80	7.40	0.38	1.79	2.09	1.73	8.20	9.57	95	3.81	A	895	A++	7.69	6.8	310
	2.0+2.0+4.2	1.66	1.66	3.48	---	1.96	6.80	7.61	0.38	1.78	2.23	1.73	8.15	10.18	95	3.83	A	890	A++	7.67	6.8	310
	2.0+2.0+5.0	1.51	1.51	3.78	---	1.96	6.80	8.01	0.36	1.74	2.39	1.64	7.97	10.96	95	3.93	A	870	A++	7.61	6.8	313
	2.0+2.0+6.0	1.36	1.36	4.08	---	2.31	6.80	8.27	0.40	1.71	2.35	1.85	7.83	10.75	95	3.98	A	855	A++	7.59	6.8	314
	2.0+2.5+2.5	1.94	2.43	2.43	---	1.96	6.80	7.24	0.38	1.77	2.01	1.73	8.11	9.21	95	3.85	A	885	A++	7.71	6.8	309

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
4MXM68N2V1B	2.0+2.5+3.5	1.70	2.13	2.98	---	1.96	6.80	7.74	0.36	1.76	2.31	1.64	8.06	10.55	95	3.87	A	880	A++	7.69	6.8	310
	2.0+2.5+4.2	1.56	1.95	3.28	---	1.96	6.80	7.94	0.36	1.75	2.45	1.64	8.01	11.20	95	3.89	A	875	A++	7.68	6.8	310
	2.0+2.5+5.0	1.43	1.79	3.58	---	1.96	6.80	8.08	0.36	1.71	2.44	1.64	7.83	11.16	95	3.99	A	855	A++	7.61	6.8	313
	2.0+2.5+6.0	1.30	1.62	3.89	---	2.31	6.80	8.55	0.41	1.69	2.53	1.89	7.74	11.57	95	4.04	A	845	A++	7.58	6.8	314
	2.0+3.5+3.5	1.51	2.64	2.64	---	1.96	6.80	8.07	0.37	1.74	2.54	1.68	7.97	11.61	95	3.91	A	870	A++	7.67	6.8	311
	2.0+3.5+4.2	1.40	2.45	2.94	---	1.96	6.80	8.25	0.37	1.74	2.68	1.68	7.97	12.26	95	3.93	A	870	A++	7.65	6.8	311
	2.0+3.5+5.0	1.30	2.27	3.24	---	2.28	6.80	8.58	0.40	1.69	2.82	1.85	7.74	12.91	95	4.03	A	845	A++	7.58	6.8	314
	2.0+4.2+4.2	1.31	2.75	2.75	---	1.96	6.80	8.37	0.37	1.73	2.77	1.68	7.92	12.67	95	3.95	A	865	A++	7.63	6.8	312
	2.5+2.5+2.5	2.27	2.27	2.27	---	1.96	6.80	7.53	0.38	1.76	2.18	1.73	8.06	9.98	95	3.87	A	880	A++	7.7	6.8	310
	2.5+2.5+3.5	2.00	2.00	2.80	---	1.96	6.80	7.94	0.36	1.72	2.45	1.64	7.88	11.20	95	3.97	A	860	A++	7.62	6.8	313
	2.5+2.5+4.2	1.85	1.85	3.10	---	1.96	6.80	8.12	0.36	1.71	2.58	1.64	7.83	11.81	95	3.99	A	855	A++	7.6	6.8	313
	2.5+2.5+5.0	1.70	1.70	3.40	---	2.28	6.80	8.45	0.40	1.67	2.72	1.85	7.65	12.46	95	4.09	A	835	A++	7.53	6.8	316
	2.5+2.5+6.0	1.55	1.55	3.71	---	2.42	6.80	8.74	0.40	1.65	2.67	1.85	7.56	12.22	95	4.14	A	825	A++	7.51	6.8	317
	2.5+3.5+3.5	1.79	2.51	2.51	---	2.27	6.80	8.30	0.40	1.70	2.72	1.85	7.79	12.46	95	4.01	A	850	A++	7.59	6.8	314
	2.5+3.5+4.2	1.67	2.33	2.80	---	2.27	6.80	8.43	0.40	1.69	2.82	1.85	7.74	12.91	95	4.03	A	845	A++	7.58	6.8	314
	2.5+3.5+5.0	1.55	2.16	3.09	---	2.48	6.80	8.74	0.42	1.65	2.96	1.94	7.56	13.56	95	4.13	A	825	A++	7.5	6.8	317
	2.5+4.2+4.2	1.56	2.62	2.62	---	2.27	6.80	8.49	0.40	1.68	2.87	1.85	7.69	13.12	95	4.05	A	840	A++	7.56	6.8	315
	3.5+3.5+3.5	2.27	2.27	2.27	---	2.38	6.80	8.59	0.40	1.68	2.96	1.81	7.69	13.56	95	4.05	A	840	A++	7.57	6.8	315
	1.5+1.5+1.5+1.5	1.65	1.65	1.65	1.65	1.97	6.60	7.09	0.38	1.38	1.63	1.73	6.32	7.45	95	4.79	A	690	A+++	8.54	6.6	271
	1.5+1.5+1.5+2.0	1.52	1.52	1.52	2.03	1.97	6.60	7.27	0.38	1.37	1.70	1.73	6.28	7.78	95	4.85	A	685	A+++	8.52	6.6	271
	1.5+1.5+1.5+2.5	1.41	1.41	1.41	2.36	1.97	6.60	7.45	0.36	1.35	1.78	1.64	6.18	8.15	95	4.91	A	675	A+++	8.5	6.6	272
	1.5+1.5+1.5+3.5	1.28	1.28	1.28	2.98	1.97	6.80	7.87	0.37	1.58	1.99	1.68	7.24	9.12	95	4.31	A	790	A++	8.03	6.8	297
	1.5+1.5+1.5+4.2	1.17	1.17	1.17	3.28	1.97	6.80	8.04	0.37	1.58	2.07	1.68	7.24	9.49	95	4.33	A	790	A++	8.01	6.8	297
	1.5+1.5+1.5+5.0	1.07	1.07	1.07	3.58	2.45	6.80	8.48	0.42	1.54	2.32	1.94	7.05	10.63	95	4.43	A	770	A++	7.94	6.8	300
	1.5+1.5+1.5+6.0	0.97	0.97	0.97	3.89	2.48	6.80	8.38	0.40	1.52	2.08	1.81	6.96	9.53	95	4.48	A	760	A++	7.91	6.8	301
	1.5+1.5+2.0+2.0	1.46	1.46	1.94	1.94	1.97	6.80	7.45	0.38	1.60	1.78	1.73	7.33	8.15	95	4.27	A	800	A++	8.06	6.8	296
	1.5+1.5+2.0+2.5	1.36	1.36	1.81	2.27	1.97	6.80	7.62	0.36	1.58	1.87	1.64	7.24	8.55	95	4.31	A	790	A++	8.05	6.8	296
	1.5+1.5+2.0+3.5	1.20	1.20	1.60	2.80	1.97	6.80	8.03	0.37	1.57	2.07	1.68	7.19	9.49	95	4.35	A	785	A++	8.02	6.8	297
	1.5+1.5+2.0+4.2	1.11	1.11	1.48	3.10	1.97	6.80	8.19	0.37	1.56	2.16	1.68	7.14	9.90	95	4.37	A	780	A++	8.01	6.8	298
	1.5+1.5+2.0+5.0	1.02	1.02	1.36	3.40	2.45	6.80	8.63	0.42	1.53	2.41	1.94	7.01	11.04	95	4.47	A	765	A++	7.93	6.8	301
	1.5+1.5+2.0+6.0	0.93	0.93	1.24	3.71	2.48	6.80	8.56	0.40	1.51	2.18	1.81	6.92	9.98	95	4.52	A	755	A++	7.9	6.8	302
	1.5+1.5+2.5+2.5	1.28	1.28	2.13	2.13	1.97	6.80	7.70	0.36	1.58	1.90	1.64	7.24	8.72	95	4.33	A	790	A++	8.03	6.8	297
	1.5+1.5+2.5+3.5	1.13	1.13	1.89	2.64	2.32	6.80	8.11	0.46	1.56	2.12	2.11	7.14	9.69	95	4.37	A	780	A++	8.01	6.8	298
	1.5+1.5+2.5+4.2	1.05	1.05	1.75	2.94	2.32	6.80	8.27	0.46	1.55	2.21	2.11	7.10	10.10	95	4.39	A	775	A++	7.99	6.8	298
	1.5+1.5+2.5+5.0	0.97	0.97	1.62	3.24	2.45	6.80	8.70	0.42	1.52	2.46	1.94	6.96	11.24	95	4.49	A	760	A++	7.91	6.8	301
	1.5+1.5+3.5+3.5	1.02	1.02	2.38	2.38	2.32	6.80	8.57	0.46	1.55	2.39	2.11	7.10	10.92	95	4.41	A	775	A++	7.98	6.8	299
	1.5+1.5+3.5+4.2	0.95	0.95	2.22	2.67	2.44	6.80	8.65	0.50	1.54	2.44	2.27	7.05	11.16	95	4.43	A	770	A++	7.96	6.8	299
	1.5+2.0+2.0+2.0	1.36	1.81	1.81	1.81	1.97	6.80	7.61	0.38	1.59	1.87	1.73	7.28	8.55	95	4.29	A	795	A++	8.04	6.8	296
	1.5+2.0+2.0+2.5	1.28	1.70	1.70	2.13	1.97	6.80	7.78	0.36	1.58	1.95	1.64	7.24	8.92	95	4.31	A	790	A++	8.02	6.8	297
	1.5+2.0+2.0+3.5	1.13	1.51	1.51	2.64	2.32	6.80	8.18	0.46	1.57	2.16	2.11	7.19	9.90	95	4.35	A	785	A++	8	6.8	298
	1.5+2.0+2.0+4.2	1.05	1.40	1.40	2.94	2.32	6.80	8.34	0.46	1.56	2.25	2.11	7.14	10.31	95	4.37	A	780	A++	7.98	6.8	299
	1.5+2.0+2.0+5.0	0.97	1.30	1.30	3.24	2.45	6.80	8.77	0.42	1.53	2.51	1.94	7.01	11.49	95	4.47	A	765	A++	7.9	6.8	302
	1.5+2.0+2.5+2.5	1.20	1.60	2.00	2.00	1.97	6.80	7.86	0.36	1.58	1.99	1.64	7.24	9.12	95	4.33	A	790	A++	8.01	6.8	298
	1.5+2.0+2.5+3.5	1.07	1.43	1.79	2.51	2.32	6.80	8.26	0.46	1.56	2.21	2.11	7.14	10.10	95	4.37	A	780	A++	7.98	6.8	299
	1.5+2.0+2.5+4.2	1.00	1.33	1.67	2.80	2.32	6.80	8.43	0.46	1.55	2.30	2.11	7.10	10.51	95	4.39	A	775	A++	7.96	6.8	299
	1.5+2.0+2.5+5.0	0.93	1.24	1.55	3.09	2.45	6.80	8.85	0.42	1.52	2.55	1.94	6.96	11.69	95	4.49	A	760	A++	7.88	6.8	302
	1.5+2.0+3.5+3.5	0.97	1.30	2.27	2.27	1.98	6.80	8.64	0.37	1.55	2.44	1.68	7.10	11.16	95	4.41	A	775	A++	7.95	6.8	300
	1.5+2.5+2.5+2.5	1.13	1.89	1.89	1.89	1.97	6.80	8.18	0.33	1.57	2.16	1.52	7.19	9.90	95	4.35	A	785	A++	7.99	6.8	298
	1.5+2.5+2.5+3.5	1.02	1.70	1.70	2.38	2.32	6.80	8.49	0.40	1.55	2.34	1.81	7.10	10.71	95	4.39	A	775	A++	7.96	6.8	299
	1.5+2.5+2.5+4.2	0.95	1.59	1.59	2.67	2.32	6.80	8.50	0.41	1.55	2.34	1.89	7.10	10.71	95	4.41	A	775	A++	7.94	6.8	300
	1.5+2.5+3.5+3.5	0.93	1.55	2.16	2.16	2.32	6.80	8.71	0.40	1.54	2.48	1.81	7.05	11.36	95	4.43	A	770	A++	7.93	6.8	300
	2.0+2.0+2.0+2.0	1.70	1.70	1.70	1.70	1.97	6.80	7.78	0.38	1.58	1.95	1.73	7.24	8.92	95	4.31	A	790	A++	8.03	6.8	297
	2.0+2.0+2.0+2.5	1.60	1.60	1.60	2.00	1.97	6.80	7.95	0.36	1.58	2.04	1.64	7.24	9.33	95	4.33	A	790	A++	8.01	6.8	297
	2.0+2.0+2.0+3.5	1.43	1.43	1.43	2.51	1.97	6.80	8.33	0.37	1.56	2.25	1.68	7.14	10.31	95	4.37	A	780	A++	7.98	6.8	298
	2.0+2.0+2.0+4.2	1.33	1.33	1.33	2.80	1.97	6.80	8.49	0.37	1.55	2.34	1.68	7.10	10.71	95	4.39	A	775	A++	7.97	6.8	299
	2.0+2.0+2.0+5.0	1.24	1.24	1.24	3.09	2.45	6.80	8.91	0.42	1.52	2.61	1.94	6.96	11.93	95	4.49	A	760	A++	7.88	6.8	302
	2.0+2.0+2.5+2.5	1.51	1.51	1.89	1.89	1.97	6.80	8.10	0.37	1.57	2.12	1.68	7.19	9.69	95	4.35	A	785	A++	7.99	6.8	298
	2.0+2.0+2.5+3.5	1.36	1.36	1.70	2.38	2.32	6.80	8.49	0.41	1.55	2.34	1.89	7.10	10.71	95	4.39	A	775	A++	7.97	6.8	299
	2.0+2.0+2.5+4.2	1.27	1.27	1.59	2.67	2.32	6.80	8.64	0.41	1.55	2.44	1.89	7.10	11.16	95	4.41	A	775	A++	7.95	6.8	300
	2.0+2.0+3.5+3.5	1.24	1.24	2.16	2.16	2.44	6.80	8.78	0.41	1.55	2.53	1.89	7.10	11.57	95	4.41	A	775	A++	7.95	6.8	300
	2.0+2.5+2.5+2.5	1.43	1.79	1.79	1.79	1.97	6.80	8.33	0.37	1.56	2.25	1.68	7.14	10.31	95	4.37	A	780	A++	7.97	6.8	299
	2.0+2.5+2.5+3.5	1.30	1.62	1.62	2.27	2.32	6.80	8.63	0.41	1.55	2.44	1.89	7.10	11.16	95	4.41	A	775	A++	7.95	6.8	300
	2.5+2.5+2.5+2.5	1.70	1.70	1.70	1.70	2.32	6.80	8.56	0.42	1.55	2.39	1.94	7.10	10.92	95	4.39	A	775	A++	7.96	6.8	299
	2.5+2.5+2.5+3.5	1.55	1.55	1.55	2.16	2.44	6.80	8.90	0.42	1.54	2.63	1.94	7.05	12.02	95	4.43	A	770	A++	7.93	6.8	300

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
4MXM68N2V1B	1.5	2.70	---	---	---	1.47	2.70	4.08	0.42	0.73	1.22	1.91	3.35	5.58	95	---	---	---	---	---	---	---
	2.0	2.72	---	---	---	1.48	2.72	4.09	0.43	0.74	1.28	1.95	3.39	5.86	95	---	---	---	---	---	---	---
	2.5	3.40	---	---	---	1.44	3.40	4.30	0.42	1.03	1.37	1.91	4.72	6.27	95	---	---	---	---	---	---	---
	3.5	4.30	---	---	---	1.45	4.30	4.90	0.40	1.42	1.75	1.82	6.50	8.01	95	---	---	---	---	---	---	---
	4.2	---	---	4.32	---	1.44	4.32	5.70	0.40	1.41	2.04	1.82	6.46	9.34	95	---	---	---	---	---	---	---
	5.0	---	---	5.60	---	1.66	5.60	6.90	0.39	1.84	2.59	1.78	8.43	11.85	95	---	---	---	---	---	---	---
	6.0	---	---	7.90	---	1.88	7.90	8.91	0.37	2.65	2.64	1.69	12.13	12.08	95	---	---	---	---	---	---	---
	1.5+1.5	2.65	2.65	---	---	1.65	5.30	7.38	0.36	1.19	1.83	1.63	5.45	8.38	95	4.45	A	A	3.85	3.80	1380	0.73
	1.5+2.0	2.44	3.26	---	---	1.65	5.70	7.76	0.36	1.31	1.99	1.63	6.00	9.09	95	4.35	A	A	3.85	3.80	1380	0.72
	1.5+2.5	2.29	3.81	---	---	1.65	6.10	7.95	0.36	1.43	2.06	1.63	6.55	9.43	95	4.27	A	A	3.87	3.80	1373	0.71
	1.5+3.5	2.07	4.83	---	---	1.80	6.90	8.50	0.37	1.69	2.35	1.68	7.74	10.74	95	4.10	A	A	3.86	4.30	1558	0.92
	1.5+4.2	1.97	---	5.53	---	1.80	7.50	8.85	0.37	1.90	2.57	1.68	8.70	11.75	95	3.97	A	A	3.88	4.30	1548	0.91
	1.5+5.0	1.89	---	6.31	---	2.18	8.20	10.38	0.45	2.13	2.91	2.06	9.75	13.31	95	3.86	A	A	3.87	4.50	1628	0.96
	1.5+6.0	1.72	---	6.88	---	2.46	8.60	10.58	0.48	2.28	2.67	2.19	10.44	12.21	95	3.78	A	A	3.91	4.80	1717	1.07
	2.0+2.0	3.25	3.25	---	---	1.65	6.50	7.95	0.36	1.37	2.31	1.63	6.28	10.57	95	4.75	A	A	3.91	3.80	1361	0.71
	2.0+2.5	3.07	3.83	---	---	1.65	6.90	8.12	0.36	1.52	2.32	1.63	6.96	10.62	95	4.56	A	A	3.92	3.80	1354	0.71
	2.0+3.5	2.73	4.77	---	---	1.80	7.50	8.67	0.37	1.75	2.43	1.68	8.01	11.12	95	4.30	A	A	3.86	4.30	1558	0.91
	2.0+4.2	2.58	---	5.42	---	1.80	8.00	9.03	0.37	1.98	2.66	1.68	9.07	12.17	95	4.06	A	A	3.88	4.30	1550	0.9
	2.0+5.0	2.46	---	6.14	---	2.18	8.60	10.56	0.45	2.26	3.00	2.06	10.35	13.73	95	3.82	A	A	3.90	4.50	1612	0.96
	2.0+6.0	2.15	---	6.45	---	2.46	8.60	10.75	0.48	2.24	2.74	2.19	10.26	12.55	95	3.84	A	A	3.93	4.80	1710	1.07
	2.5+2.5	3.60	3.60	---	---	1.65	7.20	8.49	0.36	1.62	2.36	1.63	7.42	10.78	95	4.46	A	A	3.85	4.00	1455	0.79
	2.5+3.5	3.29	4.61	---	---	1.89	7.90	9.03	0.38	1.91	2.66	1.72	8.75	12.17	95	4.14	A	A	3.83	4.30	1569	0.9
	2.5+4.2	3.10	---	5.20	---	1.89	8.30	9.29	0.38	2.11	2.82	1.72	9.66	12.93	95	3.95	A	A	3.86	4.30	1559	0.9
	2.5+5.0	2.87	---	5.73	---	2.27	8.60	10.68	0.46	2.24	3.09	2.11	10.26	14.15	95	3.86	A	A	3.84	4.50	1637	0.91
	2.5+6.0	2.53	---	6.07	---	2.55	8.60	10.88	0.50	2.22	2.77	2.28	10.17	12.67	95	3.88	A	A	3.91	4.80	1716	1
	3.5+3.5	4.30	4.30	---	---	2.17	8.60	9.38	0.42	2.26	2.86	1.94	10.35	13.09	95	3.81	A	A+	4.00	4.80	1680	1.07
	3.5+4.2	3.91	---	4.69	---	2.17	8.60	9.47	0.42	2.26	2.91	1.94	10.35	13.31	95	3.82	A	A+	4.01	4.80	1675	1.06
	3.5+5.0	3.54	---	5.06	---	2.56	8.60	10.90	0.51	2.22	3.13	2.32	10.17	14.32	95	3.88	A	A+	4.01	4.80	1675	1.03
	3.5+6.0	3.17	---	5.43	---	2.74	8.60	11.01	0.52	2.21	2.76	2.37	10.12	12.63	95	3.91	A	A+	4.06	4.80	1652	1.01
	4.2+4.2	---	---	4.30	4.30	2.17	8.60	9.56	0.42	2.22	2.94	1.94	10.17	13.47	95	3.88	A	A+	4.00	4.80	1679	1.04
	4.2+5.0	---	---	3.93	4.67	2.56	8.60	10.91	0.51	2.21	3.19	2.32	10.12	14.61	95	3.90	A	A	3.93	5.20	1851	1.2
	4.2+6.0	---	---	3.54	5.06	2.74	8.60	11.02	0.51	2.20	2.79	2.32	10.07	12.76	95	3.92	A	A+	4.03	5.20	1804	1.18
	5.0+5.0	---	---	4.30	4.30	2.94	8.60	11.10	0.59	2.17	3.11	2.71	9.94	14.23	95	3.98	A	A+	4.06	5.20	1793	1.15
	5.0+6.0	---	---	3.91	4.69	3.14	8.60	11.10	0.60	2.15	2.72	2.75	9.84	12.46	95	4.01	A	A+	4.09	5.20	1779	1.13
	1.5+1.5+1.5	2.17	2.17	2.17	---	2.01	6.50	9.92	0.41	1.33	2.26	1.89	6.09	10.36	95	4.91	A	A+	4.07	5.30	1822	1.11
	1.5+1.5+2.0	2.07	2.07	2.76	---	2.01	6.90	10.10	0.41	1.46	2.34	1.89	6.69	10.69	95	4.74	A	A+	4.08	5.30	1817	1.1
	1.5+1.5+2.5	2.02	2.02	3.36	---	2.10	7.40	10.18	0.42	1.64	2.37	1.94	7.51	10.86	95	4.53	A	A+	4.09	5.30	1810	1.09
	1.5+1.5+3.5	1.89	1.89	4.42	---	2.31	8.20	10.29	0.44	1.87	2.49	2.02	8.56	11.41	95	4.39	A	A+	4.14	5.30	1793	1.07
	1.5+1.5+4.2	1.79	1.79	5.02	---	2.31	8.60	10.29	0.44	2.03	2.49	2.02	9.30	11.41	95	4.25	A	A+	4.15	5.30	1786	1.07
	1.5+1.5+5.0	1.61	1.61	5.38	---	2.71	8.60	10.46	0.55	2.01	2.57	2.50	9.20	11.75	95	4.29	A	A+	4.23	5.30	1752	1.03
	1.5+1.5+6.0	1.43	1.43	5.73	---	2.93	8.60	10.59	0.55	1.99	2.31	2.50	9.11	10.57	95	4.33	A	A+	4.27	5.30	1735	1.01
	1.5+2.0+2.0	2.35	3.13	3.13	---	2.01	8.60	10.26	0.41	2.05	2.41	1.89	9.39	11.03	95	4.21	A	A+	4.09	5.30	1814	1.1
	1.5+2.0+2.5	2.15	2.87	3.58	---	2.10	8.60	10.36	0.42	2.04	2.44	1.94	9.34	11.16	95	4.23	A	A+	4.10	5.30	1807	1.09
	1.5+2.0+3.5	1.84	2.46	4.30	---	2.31	8.60	10.45	0.44	2.02	2.58	2.02	9.25	11.79	95	4.26	A	A+	4.14	5.30	1793	1.07
	1.5+2.0+4.2	1.68	2.23	4.69	---	2.31	8.60	10.46	0.44	2.01	2.57	2.02	9.20	11.75	95	4.28	A	A+	4.15	5.30	1786	1.07
	1.5+2.0+5.0	1.52	2.02	5.06	---	2.71	8.60	10.88	0.55	2.00	2.64	2.50	9.16	12.08	95	4.32	A	A+	4.23	5.30	1752	1.03
	1.5+2.0+6.0	1.36	1.81	5.43	---	2.93	8.60	10.89	0.55	1.98	2.38	2.50	9.07	10.91	95	4.36	A	A+	4.27	5.30	1735	1.01
	1.5+2.5+2.5	1.98	3.31	3.31	---	2.20	8.60	10.47	0.45	2.03	2.44	2.06	9.30	11.16	95	4.25	A	A+	4.12	5.30	1800	1.08
	1.5+2.5+3.5	1.72	2.87	4.01	---	2.40	8.60	10.58	0.47	2.02	2.57	2.15	9.25	11.75	95	4.27	A	A+	4.16	5.30	1782	1.06
	1.5+2.5+4.2	1.57	2.62	4.40	---	2.41	8.60	10.58	0.47	2.00	2.57	2.15	9.16	11.75	95	4.30	A	A+	4.19	5.30	1768	1.05
	1.5+2.5+5.0	1.43	2.39	4.78	---	2.81	8.60	11.00	0.56	1.99	2.64	2.58	9.11	12.08	95	4.34	A	A+	4.27	5.30	1735	1.01
	1.5+2.5+6.0	1.29	2.15	5.16	---	3.02	8.60	11.00	0.57	1.97	2.38	2.62	9.02	10.91	95	4.38	A	A+	4.31	5.30	1719	0.99
	1.5+3.5+3.5	1.52	3.54	3.54	---	2.69	8.60	10.59	0.55	1.99	2.57	2.50	9.11	11.75	95	4.33	A	A+	4.20	5.30	1765	1.04
	1.5+3.5+4.2	1.40	3.27	3.93	---	2.69	8.60	10.59	0.55	1.98	2.56	2.50	9.07	11.71	95	4.35	A	A+	4.22	5.30	1755	1.03
	1.5+3.5+5.0	1.29	3.01	4.30	---	3.00	8.60	10.93	0.62	1.97	2.59	2.84	9.02	11.87	95	4.38	A	A+	4.30	5.30	1722	0.99
	1.5+3.5+6.0	1.17	2.74	4.69	---	2.93	8.60	10.93	0.55	1.96	2.37	2.50	8.98	10.86	95	4.40	A	A+	4.34	5.30	1707	0.98
	1.5+4.2+4.2	1.30	---	3.65	3.65	2.69	8.60	10.68	0.55	1.98	2.59	2.50	9.07	11.87	95	4.35	A	A+	4.24	5.30	1748	1.02
	1.5+4.2+5.0	1.21	---	3.38	4.02	3.00	8.60	10.99	0.62	1.96	2.67	2.84	8.98	12.21	95	4.39	A	A+	4.32	5.30	1716	0.99
	2.0+2.0+2.0	2.60	2.60	2.60	---	2.01	7.80	10.44	0.41	1.72	2.48	1.89	7.88	11.37	95	4.56	A	A+	4.07	5.30	1821	1.1
	2.0+2.0+2.5	2.52	2.52	3.15	---	2.10	8.20	10.52	0.42	1.83	2.52	1.94	8.38	11.54	95	4.49	A	A+	4.09	5.30	1814	1.1
	2.0+2.0+3.5	2.29	2.29	4.01	---	2.31	8.60	10.63	0.44	2.04	2.65	2.02	9.34	12.13	95	4.22	A	A+	4.13	5.30	1796	1.08
	2.0+2.0+4.2	2.10	2.10	4.40	---	2.31	8.60	10.63	0.44	2.02	2.65	2.02	9.25	12.13	95	4.26	A	A+	4.14	5.30	1789	1.07
	2.0+2.0+5.0	1.91	1.91	4.78	---	2.71	8.60	10.82	0.55	2.00	2.72	2.50	9.16	12.46	95	4.30	A	A+	4.22	5.30	1755	1.03
	2.0+2.0+6.0	1.72	1.72	5.16	---	2.93	8.60	10.95	0.55	1.99	2.46	2.50	9.11	11.24	95	4.32	A	A+	4.26	5.30	1739	1.01
	2.0+2.5+2.5	2.46	3.07	3.07	---	2.20	8.60	10.54	0.43	1.97	2.61	1.98	9.02	11.96	95	4.38	A	A+	4.10	5.30	1807	1.09

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
4MXM68N2V1B	2.0+2.5+3.5	2.15	2.69	3.76	---	2.40	8.60	10.63	0.46	2.02	2.65	2.11	9.25	12.13	95	4.27	A	A+	4.14	5.30	1789	1.07
	2.0+2.5+4.2	1.98	2.47	4.15	---	2.41	8.60	10.64	0.46	2.01	2.64	2.11	9.20	12.08	95	4.29	A	A+	4.16	5.30	1782	1.06
	2.0+2.5+5.0	1.81	2.26	4.53	---	2.81	8.60	11.06	0.56	1.98	2.75	2.58	9.07	12.59	95	4.34	A	A+	4.24	5.30	1748	1.02
	2.0+2.5+6.0	1.64	2.05	4.91	---	3.02	8.60	11.07	0.56	1.98	2.43	2.58	9.07	11.12	95	4.36	A	A+	4.28	5.30	1732	1.01
	2.0+3.5+3.5	1.91	3.34	3.34	---	2.69	8.60	10.76	0.52	2.00	2.70	2.37	9.16	12.34	95	4.32	A	A+	4.18	5.30	1772	1.05
	2.0+3.5+4.2	1.77	3.10	3.72	---	2.69	8.60	10.76	0.52	1.99	2.69	2.37	9.11	12.29	95	4.33	A	A+	4.20	5.30	1765	1.04
	2.0+3.5+5.0	1.64	2.87	4.10	---	3.00	8.60	11.11	0.58	1.98	2.82	2.67	9.07	12.88	95	4.36	A	A+	4.28	5.30	1732	1.01
	2.0+4.2+4.2	1.65	---	3.47	3.47	2.69	8.60	10.77	0.52	1.97	2.69	2.37	9.02	12.29	95	4.38	A	A+	4.32	5.30	1716	0.99
	2.5+2.5+2.5	2.87	2.87	2.87	---	2.31	8.60	10.65	0.45	1.99	2.64	2.06	9.11	12.08	95	4.32	A	A+	4.12	5.30	1800	1.08
	2.5+2.5+3.5	2.53	2.53	3.54	---	2.50	8.60	10.87	0.48	1.99	2.72	2.19	9.11	12.46	95	4.34	A	A+	4.16	5.30	1782	1.06
	2.5+2.5+4.2	2.34	2.34	3.93	---	2.50	8.60	10.88	0.48	1.97	2.72	2.19	9.02	12.46	95	4.37	A	A+	4.18	5.30	1775	1.05
	2.5+2.5+5.0	2.15	2.15	4.30	---	2.91	8.60	11.07	0.58	1.96	2.78	2.67	8.98	12.72	95	4.41	A	A+	4.26	5.30	1742	1.02
	2.5+2.5+6.0	1.95	1.95	4.69	---	3.12	8.60	11.08	0.58	1.94	2.43	2.67	8.88	11.12	95	4.45	A	A+	4.30	5.30	1726	1
	2.5+3.5+3.5	2.26	3.17	3.17	---	2.78	8.60	11.00	0.53	1.96	2.72	2.41	8.98	12.46	95	4.40	A	A+	4.20	5.30	1765	1.04
	2.5+3.5+4.2	2.11	2.95	3.54	---	2.79	8.60	11.01	0.53	1.96	2.71	2.41	8.98	12.42	95	4.41	A	A+	4.22	5.30	1758	1.04
	2.5+3.5+5.0	1.95	2.74	3.91	---	3.19	8.60	11.08	0.60	1.90	2.74	2.75	8.70	12.55	95	4.54	A	A+	4.30	5.30	1726	1
	2.5+4.2+4.2	1.97	---	3.31	3.31	2.79	8.60	11.01	0.53	1.95	2.71	2.41	8.93	12.42	95	4.42	A	A+	4.23	5.30	1752	1.03
	3.5+3.5+3.5	2.87	2.87	2.87	---	2.98	8.60	11.06	0.57	1.94	2.79	2.62	8.88	12.76	95	4.44	A	A+	4.24	5.30	1748	1.02
	1.5+1.5+1.5+1.5	1.95	1.95	1.95	1.95	2.47	7.80	10.07	0.49	1.62	2.12	2.24	7.42	9.68	95	4.82	A	A+	4.18	5.80	1942	1.15
	1.5+1.5+1.5+2.0	1.89	1.89	1.89	2.52	2.47	8.20	10.25	0.49	1.77	2.19	2.24	8.11	10.02	95	4.65	A	A+	4.19	5.80	1937	1.15
	1.5+1.5+1.5+2.5	1.84	1.84	1.84	3.07	2.57	8.60	10.36	0.50	1.88	2.20	2.28	8.61	10.07	95	4.59	A	A+	4.19	5.80	1934	1.14
	1.5+1.5+1.5+3.5	1.61	1.61	1.61	3.76	2.77	8.60	10.46	0.54	1.84	2.21	2.45	8.43	10.11	95	4.68	A	A+	4.24	5.80	1915	1.13
	1.5+1.5+1.5+4.2	1.48	1.48	1.48	4.15	2.78	8.60	10.46	0.53	1.84	2.20	2.41	8.43	10.06	95	4.70	A	A+	4.27	5.80	1901	1.12
	1.5+1.5+1.5+5.0	1.36	1.36	1.36	4.53	3.10	8.60	10.52	0.59	1.83	2.13	2.71	8.38	9.73	95	4.71	A	A+	4.28	5.80	1896	1.08
	1.5+1.5+1.5+6.0	1.23	1.23	1.23	4.91	3.04	8.60	10.88	0.45	1.79	1.98	2.06	8.20	9.05	95	4.81	A	A+	4.38	5.80	1854	1.06
	1.5+1.5+2.0+2.0	1.84	1.84	2.46	2.46	2.47	8.60	10.44	0.49	1.87	2.26	2.24	8.56	10.36	95	4.60	A	A+	4.20	5.80	1931	1.14
	1.5+1.5+2.0+2.5	1.72	1.72	2.29	2.87	2.57	8.60	10.54	0.50	1.87	2.27	2.28	8.56	10.39	95	4.62	A	A+	4.21	5.80	1926	1.13
	1.5+1.5+2.0+3.5	1.52	1.52	2.02	3.54	2.77	8.60	10.64	0.54	1.84	2.26	2.45	8.43	10.34	95	4.70	A	A+	4.28	5.80	1895	1.12
	1.5+1.5+2.0+4.2	1.40	1.40	1.87	3.93	2.78	8.60	10.65	0.53	1.82	2.25	2.41	8.33	10.30	95	4.74	A	A+	4.32	5.80	1877	1.11
	1.5+1.5+2.0+5.0	1.29	1.29	1.72	4.30	3.10	8.60	10.71	0.59	1.82	2.20	2.71	8.33	10.06	95	4.75	A	A+	4.34	5.80	1871	1.07
	1.5+1.5+2.0+6.0	1.17	1.17	1.56	4.69	3.04	8.60	11.07	0.45	1.78	2.04	2.06	8.15	9.35	95	4.85	A	A+	4.44	5.80	1829	1.05
	1.5+1.5+2.5+2.5	1.61	1.61	2.69	2.69	2.67	8.60	10.55	0.52	1.86	2.23	2.37	8.52	10.19	95	4.63	A	A+	4.22	5.80	1921	1.12
	1.5+1.5+2.5+3.5	1.43	1.43	2.39	3.34	2.98	8.60	10.65	0.59	1.82	2.27	2.71	8.33	10.40	95	4.74	A	A+	4.32	5.80	1878	1.11
	1.5+1.5+2.5+4.2	1.33	1.33	2.22	3.72	2.98	8.60	10.65	0.58	1.81	2.27	2.67	8.29	10.40	95	4.77	A	A+	4.34	5.80	1869	1.1
	1.5+1.5+2.5+5.0	1.23	1.23	2.05	4.10	3.10	8.60	10.90	0.59	1.80	2.25	2.71	8.24	10.30	95	4.80	A	A+	4.38	5.80	1852	1.06
	1.5+1.5+3.5+3.5	1.29	1.29	3.01	3.01	3.18	8.60	10.75	0.64	1.78	2.30	2.93	8.15	10.53	95	4.85	A	A+	4.45	5.80	1822	1.09
	1.5+1.5+3.5+4.2	1.21	1.21	2.81	3.38	2.99	8.60	10.85	0.58	1.78	2.34	2.67	8.15	10.69	95	4.86	A	A++	4.60	5.80	1765	1.09
	1.5+2.0+2.0+2.0	1.72	2.29	2.29	2.29	2.47	8.60	10.63	0.49	1.87	2.34	2.24	8.56	10.69	95	4.62	A	A+	4.21	5.80	1926	1.13
	1.5+2.0+2.0+2.5	1.61	2.15	2.15	2.69	2.57	8.60	10.72	0.50	1.86	2.35	2.28	8.52	10.76	95	4.63	A	A+	4.22	5.80	1921	1.12
	1.5+2.0+2.0+3.5	1.43	1.91	1.91	3.34	2.77	8.60	10.83	0.54	1.81	2.36	2.45	8.29	10.80	95	4.76	A	A+	4.32	5.80	1880	1.11
	1.5+2.0+2.0+4.2	1.33	1.77	1.77	3.72	2.78	8.60	10.84	0.53	1.80	2.35	2.41	8.24	10.74	95	4.78	A	A+	4.33	5.80	1872	1.1
	1.5+2.0+2.0+5.0	1.23	1.64	1.64	4.10	3.10	8.60	10.90	0.59	1.79	2.26	2.71	8.20	10.36	95	4.82	A	A+	4.36	5.80	1859	1.06
	1.5+2.0+2.5+2.5	1.52	2.02	2.53	2.53	2.67	8.60	10.72	0.52	1.86	2.29	2.37	8.52	10.48	95	4.65	A	A+	4.23	5.80	1917	1.12
	1.5+2.0+2.5+3.5	1.36	1.81	2.26	3.17	2.98	8.60	10.83	0.59	1.80	2.35	2.71	8.24	10.74	95	4.78	A	A+	4.34	5.80	1871	1.1
	1.5+2.0+2.5+4.2	1.26	1.69	2.11	3.54	2.98	8.60	10.84	0.58	1.80	2.35	2.67	8.24	10.74	95	4.80	A	A+	4.35	5.80	1864	1.09
	1.5+2.0+2.5+5.0	1.17	1.56	1.95	3.91	3.10	8.60	11.09	0.59	1.79	2.33	2.71	8.20	10.66	95	4.83	A	A+	4.38	5.80	1854	1.06
	1.5+2.0+3.5+3.5	1.23	1.64	2.87	2.87	3.18	8.60	10.93	0.64	1.78	2.37	2.93	8.15	10.86	95	4.84	A	A++	4.62	5.80	1757	1.09
	1.5+2.5+2.5+2.5	1.43	2.39	2.39	2.39	2.77	8.60	10.73	0.55	1.85	2.29	2.50	8.47	10.48	95	4.66	A	A+	4.24	5.80	1912	1.11
	1.5+2.5+2.5+3.5	1.29	2.15	2.15	3.01	3.08	8.60	10.92	0.62	1.79	2.38	2.84	8.20	10.91	95	4.81	A	A+	4.37	5.80	1858	1.09
	1.5+2.5+2.5+4.2	1.21	2.01	2.01	3.38	2.98	8.60	11.01	0.58	1.78	2.41	2.67	8.15	11.03	95	4.83	A	A+	4.39	5.80	1848	1.09
	1.5+2.5+3.5+3.5	1.17	1.95	2.74	2.74	3.18	8.60	11.02	0.64	1.76	2.41	2.93	8.06	11.03	95	4.90	A	A+++	4.63	5.80	1751	1.08
	2.0+2.0+2.0+2.0	2.15	2.15	2.15	2.15	2.47	8.60	10.81	0.49	1.86	2.40	2.24	8.52	10.99	95	4.63	A	A+	4.22	5.80	1921	1.12
	2.0+2.0+2.0+2.5	2.02	2.02	2.02	2.53	2.57	8.60	10.90	0.50	1.86	2.41	2.28	8.52	11.03	95	4.65	A	A+	4.23	5.80	1917	1.12
	2.0+2.0+2.0+3.5	1.81	1.81	1.81	3.17	2.77	8.60	11.00	0.54	1.79	2.42	2.45	8.20	11.07	95	4.83	A	A+	4.38	5.80	1853	1.1
	2.0+2.0+2.0+4.2	1.69	1.69	1.69	3.54	2.78	8.60	11.01	0.53	1.80	2.42	2.41	8.24	11.07	95	4.80	A	A+	4.40	5.80	1846	1.09
	2.0+2.0+2.0+5.0	1.56	1.56	1.56	3.91	3.10	8.60	11.08	0.59	1.78	2.34	2.71	8.15	10.69	95	4.83	A	A+	4.42	5.80	1836	1.06
	2.0+2.0+2.5+2.5	1.91	1.91	2.39	2.39	2.67	8.60	10.91	0.52	1.85	2.36	2.37	8.47	10.82	95	4.66	A	A+	4.24	5.80	1912	1.11
	2.0+2.0+2.5+3.5	1.72	1.72	2.15	3.01	2.98	8.60	11.01	0.56	1.78	2.42	2.58	8.15	11.07	95	4.83	A	A+	4.39	5.80	1850	1.09
	2.0+2.0+2.5+4.2	1.61	1.61	2.01	3.38	2.98	8.60	11.01	0.56	1.78	2.42	2.58	8.15	11.07	95	4.85	A	A+	4.40	5.80	1842	1.09
	2.0+2.0+3.5+3.5	1.56	1.56	2.74	2.74	3.18	8.60	11.12	0.61	1.76	2.45	2.80	8.06	11.20	95	4.90	A	A+++	4.65	5.80	1745	1.08
	2.0+2.5+2.5+2.5	1.81	2.26	2.26	2.26	2.77	8.60	10.91	0.54	1.84	2.36	2.45	8.43	10.82	95	4.68	A	A+	4.26	5.80	1905	1.1
	2.0+2.5+2.5+3.5	1.64	2.05	2.05	2.87	3.08	8.60	11.11	0.59	1.78	2.46	2.71	8.15	11.24	95	4.85	A	A+	4.39	5.80	1846	1.08
	2.5+2.5+2.5+2.5	2.15	2.15	2.15	2.15	2.88	8.60	11.10	0.54	1.84	2.38	2.45	8.43	10.91	95	4.70	A	A+	4.27	5.80	1900	1.09
	2.5+2.5+2.5+3.5	1.95	1.95	1.95	2.74	3.18	8.60	11.11	0.60	1.79	2.37	2.75	8.20	10.86	95	4.83	A	A+	4.42	5.80	1835	1.08

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
4MXM80N2V1B	1.5	1.80	---	---	---	1.73	1.80	2.89	0.42	0.52	1.00	1.91	2.38	4.57	95	---	---	---	---	---	---	---
	2.0	2.00	---	---	---	1.78	2.00	3.05	0.45	0.60	1.04	2.04	2.75	4.75	95	---	---	---	---	---	---	---
	2.5	2.50	---	---	---	1.85	2.50	3.59	0.48	0.78	1.31	2.18	3.57	5.99	95	---	---	---	---	---	---	---
	3.5	3.50	---	---	---	1.89	3.50	4.95	0.48	1.19	1.52	2.18	5.45	6.97	95	---	---	---	---	---	---	---
	4.2	---	4.20	---	---	1.94	4.20	5.02	0.49	1.43	1.53	2.22	6.55	7.01	95	---	---	---	---	---	---	---
	5.0	---	5.00	---	---	2.05	5.00	5.76	0.46	1.67	1.76	2.09	7.65	8.04	95	---	---	---	---	---	---	---
	6.0	---	6.00	---	---	2.15	6.00	6.73	0.46	2.01	2.36	2.09	9.20	10.79	95	---	---	---	---	---	---	---
	7.1	---	7.10	---	---	2.26	7.10	7.41	0.49	2.71	2.75	2.22	12.41	12.56	95							
	1.5+1.5	1.50	1.50	---	---	1.87	3.00	4.11	0.42	0.47	0.97	1.94	2.16	4.44	95	6.48	A	235	A++	6.96	3.0	151
	1.5+2.0	1.50	2.00	---	---	1.89	3.50	4.60	0.46	0.57	1.14	2.11	2.61	5.21	95	6.18	A	285	A++	7.09	3.5	173
	1.5+2.5	1.50	2.50	---	---	1.95	4.00	5.07	0.42	0.69	1.23	1.94	3.16	5.62	95	5.88	A	345	A++	7.18	4.0	195
	1.5+3.5	1.50	3.50	---	---	2.05	5.00	5.95	0.42	0.93	1.62	1.94	4.26	7.41	95	5.43	A	465	A++	7.33	5.0	239
	1.5+4.2	1.50	4.20	---	---	2.12	5.70	6.51	0.46	1.14	1.87	2.11	5.22	8.55	95	5.03	A	570	A++	7.34	5.7	272
	1.5+5.0	1.50	5.00	---	---	2.20	6.50	7.09	0.47	1.35	2.23	2.15	6.18	10.22	95	4.83	A	675	A++	7.41	6.5	307
	1.5+6.0	1.48	5.92	---	---	2.32	7.40	7.74	0.51	1.64	2.38	2.32	7.51	10.88	95	4.53	A	820	A++	7.36	7.4	352
	1.5+7.1	1.40	6.60	---	---	2.47	8.00	8.35	0.54	1.85	2.74	2.48	8.47	12.55	95	4.33	A	925	A++	7.35	8.0	410
	2.0+2.0	2.00	2.00	---	---	1.95	4.00	5.41	0.46	0.68	1.49	2.11	3.12	6.80	95	5.90	A	340	A++	7.18	4.0	195
	2.0+2.5	2.00	2.50	---	---	2.00	4.50	5.84	0.46	0.82	1.58	2.11	3.76	7.21	95	5.55	A	410	A++	7.23	4.5	218
	2.0+3.5	2.00	3.50	---	---	2.10	5.50	6.44	0.46	1.06	2.17	2.11	4.86	9.94	95	5.23	A	530	A++	7.38	5.5	261
	2.0+4.2	2.00	4.20	---	---	2.17	6.20	6.91	0.46	1.27	2.28	2.11	5.82	10.43	95	4.91	A	635	A++	7.39	6.2	294
	2.0+5.0	2.00	5.00	---	---	2.25	7.00	7.45	0.47	1.47	2.46	2.15	6.73	11.24	95	4.78	A	735	A++	7.43	7.0	330
	2.0+6.0	1.85	5.55	---	---	2.39	7.40	8.06	0.51	1.61	2.55	2.32	7.37	11.69	95	4.61	A	805	A++	7.38	7.4	351
	2.0+7.1	1.76	6.24	---	---	2.53	8.00	8.62	0.54	1.76	2.93	2.48	8.06	13.40	95	4.57	A	880	A++	7.40	8.0	379
	2.5+2.5	2.50	2.50	---	---	2.05	5.00	6.24	0.42	0.92	2.17	1.94	4.22	9.94	95	5.48	A	460	A++	7.34	5.0	239
	2.5+3.5	2.50	3.50	---	---	2.15	6.00	6.73	0.46	1.24	2.12	2.11	5.68	9.69	95	4.87	A	620	A++	7.39	6.0	285
	2.5+4.2	2.50	4.20	---	---	2.22	6.70	7.25	0.46	1.39	2.34	2.11	6.37	10.71	95	4.82	A	695	A++	7.45	6.7	315
	2.5+5.0	2.47	4.93	---	---	2.32	7.40	7.74	0.50	1.61	2.63	2.27	7.37	12.06	95	4.61	A	805	A++	7.36	7.4	352
	2.5+6.0	2.35	5.65	---	---	2.46	8.00	8.32	0.54	1.76	2.73	2.48	8.06	12.50	95	4.57	A	880	A++	7.40	8.0	379
	2.5+7.1	2.08	5.92	---	---	2.60	8.00	8.83	0.54	1.79	3.05	2.48	8.20	13.97	95	4.49	A	895	A++	7.39	8.0	403
	3.5+3.5	3.50	3.50	---	---	2.25	7.00	7.45	0.46	1.47	2.56	2.11	6.73	11.73	95	4.78	A	735	A++	7.43	7.0	330
	3.5+4.2	3.50	4.20	---	---	2.35	7.70	7.88	0.50	1.69	2.74	2.27	7.74	12.55	95	4.58	A	845	A++	7.40	7.7	365
	3.5+5.0	3.29	4.71	---	---	2.46	8.00	8.32	0.53	1.75	3.00	2.44	8.01	13.73	95	4.59	A	875	A++	7.37	8.0	380
	3.5+6.0	2.95	5.05	---	---	2.58	8.00	8.79	0.54	1.73	3.66	2.48	7.92	16.74	95	4.64	A	865	A++	7.38	8.0	380
	3.5+7.1	2.64	5.36	---	---	2.74	8.00	8.48	0.58	1.87	2.80	2.65	8.56	12.83	95	4.29	A	935	A++	7.27	8.0	434
	4.2+4.2	---	4.00	4.00	---	2.44	8.00	8.27	0.53	1.81	3.04	2.44	8.29	13.93	95	4.43	A	905	A++	7.38	8.0	399
	4.2+5.0	---	3.65	4.35	---	2.54	8.00	8.65	0.53	1.77	3.20	2.44	8.11	14.62	95	4.53	A	885	A++	7.32	8.0	383
	4.2+6.0	---	3.29	4.71	---	2.68	8.00	9.07	0.58	1.82	3.26	2.65	8.33	14.91	95	4.41	A	910	A++	7.29	8.0	408
	4.2+7.1	---	2.97	5.03	---	2.83	8.00	9.34	0.62	1.87	3.40	2.82	8.56	15.56	95	4.30	A	935	A++	7.27	8.0	434
	5.0+5.0	---	4.00	4.00	---	2.65	8.00	8.83	0.57	1.74	3.22	2.61	7.97	14.75	95	4.61	A	870	A++	7.40	8.0	402
	5.0+6.0	---	3.64	4.36	---	2.79	8.00	9.32	0.62	1.72	3.28	2.82	7.88	15.03	95	4.66	A	860	A++	7.44	8.0	423
	5.0+7.1	---	3.31	4.69	---	2.94	8.00	9.54	0.62	1.70	3.43	2.82	7.79	15.68	95	4.71	A	850	A++	7.45	8.0	423
	6.0+6.0	---	4.36	3.64	---	2.93	8.00	9.58	0.62	1.71	3.20	2.82	7.83	14.66	95	4.68	A	855	A++	7.45	8.0	423
	6.0+7.1	---	3.66	4.34	---	3.08	8.00	9.74	0.65	1.70	3.35	2.99	7.79	15.32	95	4.73	A	850	A++	7.45	8.0	423
	7.1+7.1	---	4.00	4.00	---	3.23	8.00	9.79	0.69	1.70	3.36	3.16	7.79	15.36	95	4.73	A	850	A++	7.45	8.0	423
	1.5+1.5+1.5	1.50	1.50	1.50	---	2.00	4.50	5.52	0.44	0.76	1.31	2.02	3.48	5.99	95	5.98	A	380	A++	7.93	4.5	199
	1.5+1.5+2.0	1.50	1.50	2.00	---	2.05	5.00	5.95	0.48	0.87	1.49	2.19	3.99	6.80	95	5.80	A	435	A++	8.00	5.0	219
	1.5+1.5+2.5	1.50	1.50	2.50	---	2.10	5.50	6.35	0.48	0.98	1.68	2.19	4.49	7.70	95	5.62	A	490	A++	8.23	5.5	234
	1.5+1.5+3.5	1.50	1.50	3.50	---	2.20	6.50	7.09	0.48	1.24	2.04	2.19	5.68	9.33	95	5.27	A	620	A++	8.25	6.5	276
	1.5+1.5+4.2	1.50	1.50	4.20	---	2.28	7.20	7.56	0.48	1.43	2.26	2.19	6.55	10.35	95	5.05	A	715	A++	8.22	7.2	307
	1.5+1.5+5.0	1.39	1.39	4.63	---	2.39	7.40	8.04	0.52	1.53	2.45	2.36	7.01	11.20	95	4.86	A	765	A++	8.14	7.4	318
	1.5+1.5+6.0	1.33	1.33	5.33	---	2.52	8.00	8.55	0.55	1.73	2.54	2.53	7.92	11.61	95	4.64	A	865	A++	8.09	8.0	346
	1.5+1.5+7.1	1.19	1.19	5.62	---	2.67	8.00	9.02	0.59	1.81	2.79	2.69	8.29	12.79	95	4.42	A	905	A++	8.04	8.0	370
	1.5+2.0+2.0	1.50	2.00	2.00	---	2.10	5.50	6.35	0.48	0.98	1.68	2.19	4.49	7.70	95	5.64	A	490	A++	8.21	5.5	235
	1.5+2.0+2.5	1.50	2.00	2.50	---	2.15	6.00	6.73	0.48	1.10	1.83	2.19	5.04	8.39	95	5.46	A	550	A++	8.20	6.0	256
	1.5+2.0+3.5	1.50	2.00	3.50	---	2.25	7.00	7.43	0.48	1.36	2.21	2.19	6.23	10.10	95	5.18	A	680	A++	8.23	7.0	298
	1.5+2.0+4.2	1.50	2.00	4.20	---	2.35	7.70	7.86	0.51	1.62	2.44	2.32	7.42	11.16	95	4.78	A	810	A++	8.16	7.7	331
	1.5+2.0+5.0	1.41	1.88	4.71	---	2.46	8.00	8.30	0.54	1.72	2.63	2.48	7.88	12.02	95	4.66	A	860	A++	8.08	8.0	347
	1.5+2.0+6.0	1.26	1.68	5.05	---	2.58	8.00	8.77	0.55	1.71	2.67	2.53	7.83	12.22	95	4.68	A	855	A++	8.07	8.0	347
	1.5+2.0+7.1	1.13	1.51	5.36	---	2.74	8.00	9.19	0.59	1.85	2.93	2.69	8.47	13.40	95	4.33	A	925	A++	7.98	8.0	395
	1.5+2.5+2.5	1.50	2.50	2.50	---	2.20	6.50	7.09	0.48	1.24	2.04	2.19	5.68	9.33	95	5.26	A	620	A++	8.21	6.5	278
	1.5+2.5+3.5	1.48	2.47	3.45	---	2.32	7.40	7.74	0.51	1.51	2.38	2.32	6.92	10.88	95	4.93	A	755	A++	8.19	7.4	317
	1.5+2.5+4.2	1.46	2.44	4.10	---	2.42	8.00	8.15	0.51	1.75	2.62	2.32	8.01	11.98	95	4.58	A	875	A++	8.07	8.0	356
	1.5+2.5+5.0	1.33	2.22	4.44	---	2.52	8.00	8.55	0.54	1.72	2.76	2.48	7.88	12.63	95	4.66	A	860	A++	8.08	8.0	347
	1.5+2.5+6.0	1.20	2.00	4.80	---	2.65	8.00	8.98	0.55	1.81	2.79	2.53	8.29	12.79	95	4.42	A	905	A++	8.04	8.0	370
	1.5+2.5+7.1	1.08	1.80	5.12	---	2.80	8.00	9.34	0.59	1.85	3.00	2.69	8.47	13.73	95	4.33	A	925	A++	7.98	8.0	395
	1.5+3.5+3.5	1.41	3.29	3.29	---	2.46	8.00	8.30	0.54	1.76	2.74	2.48	8.06	12.55	95	4.56	A	880	A++	8.05	8.0	348
	1.5+3.5+4.2	1.30	3.04	3.65	---	2.54	8.00	8.64	0.54	1.75	2.93	2.48	8.01	13.40	95	4.58	A	875	A++	8.04	8.0	349

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
4MXM80N2V1B	1.5+3.5+5.0	1.20	2.80	4.00	---	2.65	8.00	8.98	0.58	1.81	3.08	2.65	8.29	14.09	95	4.42	A	905	A++	8.04	8.0	370
	1.5+3.5+6.0	1.09	2.55	4.36	---	2.79	8.00	9.31	0.59	1.85	3.00	2.69	8.47	13.73	95	4.33	A	925	A++	7.98	8.0	395
	1.5+3.5+7.1	0.99	2.31	4.69	---	2.94	8.00	9.58	0.62	1.83	3.21	2.82	8.38	14.70	95	4.38	A	915	A++	7.99	8.0	394
	1.5+4.2+4.2	1.21	3.39	3.39	---	2.64	8.00	8.94	0.58	1.74	3.12	2.65	7.97	14.30	95	4.60	A	870	A++	8.20	8.0	423
	1.5+4.2+5.0	1.12	3.14	3.74	---	2.75	8.00	9.22	0.58	1.71	3.21	2.65	7.83	14.70	95	4.70	A	855	A++	8.11	8.0	389
	1.5+4.2+6.0	1.03	2.87	4.10	---	2.89	8.00	9.49	0.62	1.69	3.14	2.82	7.74	14.38	95	4.75	A	845	A++	8.12	8.0	388
	1.5+4.2+7.1	0.94	2.63	4.44	---	3.04	8.00	9.69	0.65	1.67	3.28	2.99	7.65	15.03	95	4.80	A	835	A++	8.12	8.0	388
	1.5+5.0+5.0	1.04	3.48	3.48	---	2.86	8.00	9.45	0.62	1.61	3.31	2.82	7.37	15.15	95	4.98	A	805	A++	8.12	8.0	388
	1.5+5.0+6.0	0.96	3.20	3.84	---	3.00	8.00	9.64	0.63	1.60	3.16	2.86	7.33	14.46	95	5.00	A	800	A++	8.12	8.0	388
	1.5+5.0+7.1	0.88	2.94	4.18	---	3.15	8.00	9.76	0.65	1.59	3.23	2.99	7.28	14.79	95	5.05	A	795	A++	8.13	8.0	388
	1.5+6.0+6.0	0.89	3.56	3.56	---	3.13	8.00	9.75	0.66	1.60	2.93	3.03	7.33	13.40	95	5.02	A	800	A++	8.12	8.0	388
	2.0+2.0+2.0	2.00	2.00	2.00	---	2.15	6.00	6.76	0.48	1.10	1.89	2.19	5.04	8.64	95	5.46	A	550	A++	8.20	6.0	256
	2.0+2.0+2.5	2.00	2.00	2.50	---	2.20	6.50	7.09	0.48	1.24	2.04	2.19	5.68	9.33	95	5.26	A	620	A++	8.21	6.5	278
	2.0+2.0+3.5	1.97	1.97	3.45	---	2.32	7.40	7.76	0.51	1.51	2.38	2.32	6.92	10.88	95	4.93	A	755	A++	8.19	7.4	317
	2.0+2.0+4.2	1.95	1.95	4.10	---	2.42	8.00	8.17	0.51	1.75	2.55	2.32	8.01	11.69	95	4.58	A	875	A++	8.07	8.0	356
	2.0+2.0+5.0	1.78	1.78	4.44	---	2.52	8.00	8.57	0.54	1.72	2.82	2.48	7.88	12.91	95	4.66	A	860	A++	8.07	8.0	347
	2.0+2.0+6.0	1.60	1.60	4.80	---	2.65	8.00	9.00	0.55	1.81	2.79	2.53	8.29	12.79	95	4.42	A	905	A++	8.03	8.0	371
	2.0+2.0+7.1	1.44	1.44	5.12	---	2.80	8.00	9.36	0.59	1.83	3.07	2.69	8.38	14.05	95	4.38	A	915	A++	7.99	8.0	395
	2.0+2.5+2.5	2.00	2.50	2.50	---	2.25	7.00	7.45	0.48	1.36	2.21	2.19	6.23	10.10	95	5.18	A	680	A++	8.23	7.0	298
	2.0+2.5+3.5	1.85	2.31	3.24	---	2.39	7.40	8.06	0.51	1.50	2.55	2.32	6.87	11.69	95	4.94	A	750	A++	8.19	7.4	317
	2.0+2.5+4.2	1.84	2.30	3.86	---	2.48	8.00	8.43	0.54	1.75	2.68	2.48	8.01	12.26	95	4.59	A	875	A++	8.12	8.0	375
	2.0+2.5+5.0	1.68	2.11	4.21	---	2.58	8.00	8.79	0.54	1.72	2.95	2.48	7.88	13.48	95	4.67	A	860	A++	8.07	8.0	347
	2.0+2.5+6.0	1.52	1.90	4.57	---	2.72	8.00	9.17	0.59	1.84	2.93	2.69	8.43	13.40	95	4.36	A	920	A++	8.00	8.0	381
	2.0+2.5+7.1	1.38	1.72	4.90	---	2.87	8.00	9.49	0.62	1.83	3.14	2.82	8.38	14.38	95	4.39	A	915	A++	8.00	8.0	394
	2.0+3.5+3.5	1.78	3.11	3.11	---	2.52	8.00	8.57	0.54	1.74	2.87	2.48	7.97	13.12	95	4.60	A	870	A++	8.05	8.0	348
	2.0+3.5+4.2	1.65	2.89	3.46	---	2.61	8.00	8.87	0.58	1.79	3.00	2.65	8.20	13.73	95	4.49	A	895	A++	8.02	8.0	371
	2.0+3.5+5.0	1.52	2.67	3.81	---	2.72	8.00	9.17	0.58	1.83	3.21	2.65	8.38	14.70	95	4.38	A	915	A++	7.99	8.0	381
	2.0+3.5+6.0	1.39	2.43	4.17	---	2.86	8.00	9.47	0.62	1.83	3.13	2.82	8.38	14.34	95	4.39	A	915	A++	7.99	8.0	394
	2.0+3.5+7.1	1.27	2.22	4.51	---	3.01	8.00	9.28	0.62	1.81	2.94	2.82	8.29	13.44	95	4.44	A	905	A++	8.00	8.0	394
	2.0+4.2+4.2	1.54	3.23	3.23	---	2.71	8.00	9.17	0.58	1.80	3.26	2.65	8.24	14.91	95	4.45	A	900	A++	8.00	8.0	381
	2.0+4.2+5.0	1.43	3.00	3.57	---	2.82	8.00	9.41	0.62	1.84	3.36	2.82	8.43	15.36	95	4.37	A	920	A++	7.98	8.0	395
	2.0+4.2+6.0	1.31	2.75	3.93	---	2.95	8.00	9.64	0.62	1.81	3.20	2.82	8.29	14.66	95	4.42	A	905	A++	7.99	8.0	395
	2.0+4.2+7.1	1.20	2.53	4.27	---	3.11	8.00	9.79	0.65	1.79	3.28	2.99	8.20	15.03	95	4.47	A	895	A++	8.00	8.0	394
	2.0+5.0+5.0	1.33	3.33	3.33	---	2.93	8.00	9.58	0.62	1.74	3.38	2.82	7.97	15.48	95	4.62	A	870	A++	8.02	8.0	393
	2.0+5.0+6.0	1.23	3.08	3.69	---	3.06	8.00	9.73	0.65	1.72	3.23	2.99	7.88	14.79	95	4.67	A	860	A++	8.02	8.0	393
	2.0+5.0+7.1	1.13	2.84	4.03	---	3.22	8.00	9.79	0.65	1.70	3.23	2.99	7.79	14.79	95	4.72	A	850	A++	8.03	8.0	392
	2.0+6.0+6.0	1.14	3.43	3.43	---	3.20	8.00	9.79	0.66	1.71	3.00	3.03	7.83	13.73	95	4.69	A	855	A++	8.03	8.0	393
	2.5+2.5+2.5	2.47	2.47	2.47	---	2.32	7.40	7.76	0.51	1.50	2.38	2.32	6.87	10.88	95	4.95	A	750	A++	8.19	7.4	316
	2.5+2.5+3.5	2.35	2.35	3.29	---	2.46	8.00	8.32	0.54	1.74	2.74	2.48	7.97	12.55	95	4.61	A	870	A++	8.06	8.0	347
	2.5+2.5+4.2	2.17	2.17	3.65	---	2.54	8.00	8.66	0.54	1.73	2.93	2.48	7.92	13.40	95	4.63	A	865	A++	8.08	8.0	347
	2.5+2.5+5.0	2.00	2.00	4.00	---	2.65	8.00	9.00	0.58	1.81	3.08	2.65	8.29	14.09	95	4.43	A	905	A++	8.02	8.0	371
	2.5+2.5+6.0	1.82	1.82	4.36	---	2.79	8.00	9.33	0.59	1.83	3.07	2.69	8.38	14.05	95	4.39	A	915	A++	8.00	8.0	394
	2.5+2.5+7.1	1.65	1.65	4.69	---	2.94	8.00	9.60	0.62	1.81	3.21	2.82	8.29	14.70	95	4.44	A	905	A++	8.01	8.0	394
	2.5+3.5+3.5	2.11	2.95	2.95	---	2.58	8.00	8.51	0.54	1.73	2.68	2.48	7.92	12.26	95	4.64	A	865	A++	8.07	8.0	347
	2.5+3.5+4.2	1.96	2.75	3.29	---	2.68	8.00	9.07	0.58	1.81	3.06	2.65	8.29	14.01	95	4.44	A	905	A++	8.03	8.0	371
	2.5+3.5+5.0	1.82	2.55	3.64	---	2.79	8.00	9.33	0.62	1.81	3.28	2.82	8.29	15.03	95	4.43	A	905	A++	7.99	8.0	395
	2.5+3.5+6.0	1.67	2.33	4.00	---	2.93	8.00	9.58	0.62	1.79	3.20	2.82	8.20	14.66	95	4.48	A	895	A++	8.00	8.0	394
	2.5+3.5+7.1	1.53	2.14	4.34	---	3.08	8.00	9.28	0.65	1.77	2.94	2.99	8.11	13.44	95	4.53	A	885	A++	8.00	8.0	394
	2.5+4.2+4.2	1.83	3.08	3.08	---	2.78	8.00	9.20	0.62	1.87	3.27	2.82	8.56	14.95	95	4.30	A	935	A++	7.96	8.0	396
	2.5+4.2+5.0	1.71	2.87	3.42	---	2.89	8.00	9.54	0.62	1.82	3.43	2.82	8.33	15.68	95	4.40	A	910	A++	7.94	8.0	397
	2.5+4.2+6.0	1.57	2.65	3.78	---	3.02	8.00	9.72	0.62	1.80	3.28	2.82	8.24	14.99	95	4.45	A	900	A++	7.94	8.0	397
	2.5+4.2+7.1	1.45	2.43	4.12	---	3.17	8.00	9.82	0.65	1.78	3.36	2.99	8.15	15.36	95	4.50	A	890	A++	7.95	8.0	396
	2.5+5.0+5.0	1.60	3.20	3.20	---	3.00	8.00	9.66	0.65	1.73	3.45	2.99	7.92	15.80	95	4.64	A	865	A++	8.03	8.0	393
	2.5+5.0+6.0	1.48	2.96	3.56	---	3.13	8.00	9.77	0.65	1.71	3.23	2.99	7.83	14.79	95	4.69	A	855	A++	8.03	8.0	392
	2.5+6.0+6.0	1.38	3.31	3.31	---	3.27	8.00	9.79	0.66	1.70	3.00	3.03	7.79	13.73	95	4.71	A	850	A++	8.04	8.0	392
	3.5+3.5+3.5	2.67	2.67	2.67	---	2.72	8.00	8.84	0.58	1.79	2.80	2.65	8.20	12.83	95	4.47	A	895	A++	8.00	8.0	381
	3.5+3.5+4.2	2.50	2.50	3.00	---	2.82	8.00	9.48	0.62	1.86	3.26	2.82	8.52	14.91	95	4.32	A	930	A++	7.93	8.0	397
	3.5+3.5+5.0	2.33	2.33	3.33	---	2.93	8.00	9.54	0.62	1.81	3.43	2.82	8.29	15.68	95	4.42	A	905	A++	7.91	8.0	398
	3.5+3.5+6.0	2.15	2.15	3.69	---	3.06	8.00	9.29	0.65	1.79	3.00	2.99	8.20	13.73	95	4.47	A	895	A++	7.92	8.0	398
	3.5+3.5+7.1	1.99	1.99	4.03	---	3.22	8.00	9.79	0.69	1.77	3.36	3.16	8.11	15.36	95	4.52	A	885	A++	7.93	8.0	398
	3.5+4.2+4.2	2.35	2.82	2.82	---	2.91	8.00	9.36	0.62	1.85	3.40	2.82	8.47	15.56	95	4.34	A	925	A++	7.94	8.0	397
	3.5+4.2+5.0	2.20	2.65	3.15	---	3.02	8.00	9.55	0.65	1.81	3.43	2.99	8.29	15.68	95	4.44	A	905	A++	7.92	8.0	398
	3.5+4.2+6.0	2.04	2.45	3.50	---	3.16	8.00	9.78	0.65	1.79	3.36	2.99	8.20	15.36	95	4.49	A	895	A++	7.92	8.0	398
	3.5+5.0+5.0	2.07	2.96	2.96	---	3.13	8.00	9.74	0.65	1.71	3.45	2.99	7.83	15.80	95	4.68	A	855	A++	8.04	8.0	392
	3.5+5.0+6.0	1.93	2.76	3.31	---	3.27	8.00	9.79	0.69	1.70	3.23	3.16	7.79	14.79	95	4.73	A	850	A++	8.04	8.0	392
	4.2+4.2+4.2	---	2.67	2.67	2.67	3.01	8.00	9.37	0.65	1.84	3.40	2.99	8.43	15.56	95	4.36	A	920	A++	7.94	8.0	397
	4.2+4.2+5.0	---	2.51	2.51	2.99	3.12	8.00	9.56	0.65	1.80	3.43	2.99	8.24	15.68	95	4.46	A	900	A++	7.92	8.0	398

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
4MXM80N2V1B	4.2+4.2+6.0	---	2.33	2.33	3.33	3.26	8.00	9.79	0.69	1.78	3.36	3.16	8.15	15.36	95	4.51	A	890	A++	7.93	8.0	398
	4.2+5.0+5.0	---	2.37	2.82	2.82	3.23	8.00	9.75	0.69	1.79	3.45	3.16	8.20	15.80	95	4.48	A	895	A++	7.92	8.0	398
	1.5+1.5+1.5+1.5	1.50	1.50	1.50	1.50	2.15	6.00	6.73	0.49	1.08	1.54	2.23	4.95	7.05	95	5.58	A	540	A++	8.39	6.0	251
	1.5+1.5+1.5+2.0	1.50	1.50	1.50	2.00	2.20	6.50	7.09	0.49	1.21	1.69	2.23	5.54	7.74	95	5.41	A	605	A++	8.46	6.5	269
	1.5+1.5+1.5+2.5	1.50	1.50	1.50	2.50	2.25	7.00	7.43	0.49	1.34	1.84	2.23	6.14	8.43	95	5.24	A	670	A+++	8.55	7.0	287
	1.5+1.5+1.5+3.5	1.39	1.39	1.39	3.24	2.39	7.40	8.04	0.52	1.62	2.12	2.36	7.42	9.69	95	4.59	A	810	A++	8.33	7.4	311
	1.5+1.5+1.5+4.2	1.38	1.38	1.38	3.86	2.48	8.00	8.40	0.52	1.99	2.30	2.36	9.11	10.51	95	4.02	A	995	A++	8.10	8.0	376
	1.5+1.5+1.5+5.0	1.26	1.26	1.26	4.21	2.58	8.00	8.77	0.55	1.95	2.55	2.53	8.93	11.69	95	4.12	A	975	A++	8.03	8.0	349
	1.5+1.5+1.5+6.0	1.14	1.14	1.14	4.57	2.72	8.00	9.15	0.56	2.21	2.59	2.57	10.12	11.85	95	3.62	A	1105	A++	7.81	8.0	390
	1.5+1.5+1.5+7.1	1.03	1.03	1.03	4.90	2.87	8.00	9.47	0.59	2.18	2.72	2.69	9.98	12.46	95	3.67	A	1090	A++	7.85	8.0	401
	1.5+1.5+2.0+2.0	1.50	1.50	2.00	2.00	2.25	7.00	7.43	0.49	1.34	1.84	2.23	6.14	8.43	95	5.24	A	670	A+++	8.55	7.0	287
	1.5+1.5+2.0+2.5	1.48	1.48	1.97	2.47	2.32	7.40	7.74	0.52	1.62	1.96	2.36	7.42	8.96	95	4.57	A	810	A++	8.32	7.4	311
	1.5+1.5+2.0+3.5	1.41	1.41	1.88	3.29	2.46	8.00	8.30	0.52	1.99	2.23	2.36	9.11	10.22	95	4.02	A	995	A++	8.04	8.0	349
	1.5+1.5+2.0+4.2	1.30	1.30	1.74	3.65	2.54	8.00	8.64	0.55	1.98	2.42	2.53	9.07	11.08	95	4.04	A	990	A++	8.04	8.0	349
	1.5+1.5+2.0+5.0	1.20	1.20	1.60	4.00	2.65	8.00	8.98	0.55	2.15	2.68	2.53	9.84	12.26	95	3.72	A	1075	A++	7.86	8.0	379
	1.5+1.5+2.0+6.0	1.09	1.09	1.45	4.36	2.79	8.00	9.31	0.59	2.18	2.65	2.69	9.98	12.14	95	3.67	A	1090	A++	7.85	8.0	401
	1.5+1.5+2.0+7.1	0.99	0.99	1.32	4.69	2.94	8.00	9.58	0.63	2.15	2.79	2.86	9.84	12.79	95	3.72	A	1075	A++	7.87	8.0	401
	1.5+1.5+2.5+2.5	1.39	1.39	2.31	2.31	2.39	7.40	8.04	0.52	1.62	2.12	2.36	7.42	9.69	95	4.57	A	810	A++	8.32	7.4	311
	1.5+1.5+2.5+3.5	1.33	1.33	2.22	3.11	2.52	8.00	8.55	0.55	1.98	2.55	2.53	9.07	11.65	95	4.04	A	990	A++	8.05	8.0	348
	1.5+1.5+2.5+4.2	1.24	1.24	2.06	3.46	2.61	8.00	8.85	0.55	2.18	2.73	2.53	9.98	12.50	95	3.68	A	1090	A++	7.84	8.0	380
	1.5+1.5+2.5+5.0	1.14	1.14	1.90	3.81	2.72	8.00	9.15	0.59	2.20	2.81	2.69	10.07	12.87	95	3.64	A	1100	A++	7.82	8.0	390
	1.5+1.5+2.5+6.0	1.04	1.04	1.74	4.17	2.86	8.00	9.45	0.59	2.22	2.72	2.69	10.17	12.46	95	3.61	A	1110	A++	7.81	8.0	404
	1.5+1.5+2.5+7.1	0.95	0.95	1.59	4.51	3.01	8.00	9.66	0.63	2.19	2.86	2.86	10.03	13.08	95	3.66	A	1095	A++	7.82	8.0	403
	1.5+1.5+3.5+3.5	1.20	1.20	2.80	2.80	2.65	8.00	8.98	0.55	2.18	2.80	2.53	9.98	12.83	95	3.68	A	1090	A++	7.84	8.0	380
	1.5+1.5+3.5+4.2	1.12	1.12	2.62	3.14	2.75	8.00	9.22	0.59	2.26	2.94	2.69	10.35	13.44	95	3.55	A	1130	A++	7.79	8.0	405
	1.5+1.5+3.5+5.0	1.04	1.04	2.43	3.48	2.86	8.00	9.45	0.59	2.20	3.02	2.69	10.07	13.81	95	3.65	A	1100	A++	7.78	8.0	405
	1.5+1.5+3.5+6.0	0.96	0.96	2.24	3.84	3.00	8.00	9.64	0.63	2.17	2.86	2.86	9.94	13.08	95	3.70	A	1085	A++	7.80	8.0	404
	1.5+1.5+3.5+7.1	0.88	0.88	2.06	4.18	3.15	8.00	9.76	0.66	2.14	2.93	3.03	9.80	13.40	95	3.75	A	1070	A++	7.82	8.0	403
	1.5+1.5+4.2+4.2	1.05	1.05	2.95	2.95	2.84	8.00	9.41	0.59	2.25	3.07	2.69	10.30	14.05	95	3.57	A	1125	A++	7.79	8.0	404
	1.5+1.5+4.2+5.0	0.98	0.98	2.75	3.28	2.95	8.00	9.59	0.63	2.18	3.09	2.86	9.98	14.13	95	3.67	A	1090	A++	7.79	8.0	405
	1.5+1.5+4.2+6.0	0.91	0.91	2.55	3.64	3.09	8.00	9.73	0.63	2.15	2.93	2.86	9.84	13.40	95	3.72	A	1075	A++	7.81	8.0	404
	1.5+1.5+4.2+7.1	0.84	0.84	2.35	3.97	3.24	8.00	9.77	0.66	2.13	2.93	3.03	9.75	13.40	95	3.77	A	1065	A++	7.82	8.0	403
	1.5+1.5+5.0+5.0	0.92	0.92	3.08	3.08	3.06	8.00	9.71	0.63	2.05	3.04	2.86	9.39	13.93	95	3.92	A	1025	A++	7.84	8.0	402
	1.5+1.5+5.0+6.0	0.86	0.86	2.86	3.43	3.20	8.00	9.77	0.66	2.02	2.87	3.03	9.25	13.16	95	3.97	A	1010	A++	7.85	8.0	401
	1.5+2.0+2.0+2.0	1.48	1.97	1.97	1.97	2.32	7.40	7.74	0.52	1.62	1.96	2.36	7.42	8.96	95	4.57	A	810	A++	8.32	7.4	311
	1.5+2.0+2.0+2.5	1.39	1.85	1.85	2.31	2.39	7.40	8.04	0.52	1.62	2.12	2.36	7.42	9.69	95	4.59	A	810	A++	8.18	7.4	317
	1.5+2.0+2.0+3.5	1.33	1.78	1.78	3.11	2.52	8.00	8.55	0.55	1.98	2.36	2.53	9.07	10.79	95	4.04	A	990	A++	8.05	8.0	348
	1.5+2.0+2.0+4.2	1.24	1.65	1.65	3.46	2.61	8.00	8.85	0.55	2.18	2.55	2.53	9.98	11.65	95	3.68	A	1090	A++	7.84	8.0	380
	1.5+2.0+2.0+5.0	1.14	1.52	1.52	3.81	2.72	8.00	9.15	0.59	2.21	2.81	2.69	10.12	12.87	95	3.62	A	1105	A++	7.81	8.0	390
	1.5+2.0+2.0+6.0	1.04	1.39	1.39	4.17	2.86	8.00	9.45	0.59	2.22	2.72	2.69	10.17	12.46	95	3.61	A	1110	A++	7.81	8.0	404
	1.5+2.0+2.0+7.1	0.95	1.27	1.27	4.51	3.01	8.00	9.66	0.63	2.19	2.86	2.86	10.03	13.08	95	3.66	A	1095	A++	7.82	8.0	403
	1.5+2.0+2.5+2.5	1.41	1.88	2.35	2.35	2.46	8.00	8.30	0.52	2.00	2.23	2.36	9.16	10.22	95	4.00	A	1000	A++	8.01	8.0	350
	1.5+2.0+2.5+3.5	1.26	1.68	2.11	2.95	2.58	8.00	8.77	0.55	1.98	2.67	2.53	9.07	12.22	95	4.04	A	990	A++	8.03	8.0	349
	1.5+2.0+2.5+4.2	1.18	1.57	1.96	3.29	2.68	8.00	9.05	0.59	2.17	2.87	2.69	9.94	13.12	95	3.70	A	1085	A++	7.83	8.0	380
	1.5+2.0+2.5+5.0	1.09	1.45	1.82	3.64	2.79	8.00	9.31	0.59	2.23	2.88	2.69	10.21	13.20	95	3.59	A	1115	A++	7.79	8.0	404
	1.5+2.0+2.5+6.0	1.00	1.33	1.67	4.00	2.93	8.00	9.56	0.63	2.20	2.79	2.86	10.07	12.75	95	3.64	A	1100	A++	7.81	8.0	404
	1.5+2.0+2.5+7.1	0.92	1.22	1.53	4.34	3.08	8.00	9.72	0.63	2.17	2.93	2.86	9.94	13.40	95	3.69	A	1085	A++	7.83	8.0	403
	1.5+2.0+3.5+3.5	1.14	1.52	2.67	2.67	2.72	8.00	9.15	0.59	2.21	2.94	2.69	10.12	13.44	95	3.62	A	1105	A++	7.81	8.0	390
	1.5+2.0+3.5+4.2	1.07	1.43	2.50	3.00	2.82	8.00	9.36	0.59	2.25	3.07	2.69	10.30	14.05	95	3.57	A	1125	A++	7.79	8.0	404
	1.5+2.0+3.5+5.0	1.00	1.33	2.33	3.33	2.93	8.00	9.56	0.63	2.18	3.09	2.86	9.98	14.13	95	3.67	A	1090	A++	7.79	8.0	405
	1.5+2.0+3.5+6.0	0.92	1.23	2.15	3.69	3.06	8.00	9.71	0.63	2.15	2.93	2.86	9.84	13.40	95	3.72	A	1075	A++	7.81	8.0	404
	1.5+2.0+3.5+7.1	0.85	1.13	1.99	4.03	3.22	8.00	9.77	0.66	2.13	2.93	3.03	9.75	13.40	95	3.77	A	1065	A++	7.82	8.0	403
	1.5+2.0+4.2+4.2	1.01	1.34	2.82	2.82	2.91	8.00	9.54	0.62	2.23	3.14	2.82	10.21	14.38	95	3.59	A	1115	A++	7.80	8.0	404
	1.5+2.0+4.2+5.0	0.94	1.26	2.65	3.15	3.02	8.00	9.67	0.63	2.17	3.16	2.86	9.94	14.46	95	3.69	A	1085	A++	7.80	8.0	404
	1.5+2.0+4.2+6.0	0.88	1.17	2.45	3.50	3.16	8.00	9.76	0.66	2.14	2.93	3.03	9.80	13.40	95	3.74	A	1070	A++	7.81	8.0	403
	1.5+2.0+5.0+5.0	0.89	1.19	2.96	2.96	3.13	8.00	9.75	0.65	2.06	3.12	2.99	9.43	14.26	95	3.89	A	1030	A++	7.84	8.0	402
	1.5+2.0+5.0+6.0	0.83	1.10	2.76	3.31	3.27	8.00	9.77	0.66	2.03	2.87	3.03	9.30	13.16	95	3.94	A	1015	A++	7.85	8.0	401
	1.5+2.5+2.5+2.5	1.33	2.22	2.22	2.22	2.52	8.00	8.55	0.55	1.98	2.36	2.53	9.07	10.79	95	4.04	A	990	A++	8.03	8.0	349
	1.5+2.5+2.5+3.5	1.20	2.00	2.00	2.80	2.65	8.00	8.98	0.55	2.17	2.79	2.53	9.94	12.79	95	3.70	A	1085	A++	7.83	8.0	380
	1.5+2.5+2.5+4.2	1.12	1.87	1.87	3.14	2.75	8.00	9.22	0.59	2.23	2.94	2.69	10.21	13.44	95	3.59	A	1115	A++	7.80	8.0	404
	1.5+2.5+2.5+5.0	1.04	1.74	1.74	3.48	2.86	8.00	9.45	0.59	2.17	3.02	2.69	9.94	13.81	95	3.69	A	1085	A++	7.80	8.0	404
	1.5+2.5+2.5+6.0	0.96	1.60	1.60	3.84	3.00	8.00	9.64	0.63	2.14	2.86	2.86	9.80	13.08	95	3.74	A	1070	A++	7.81	8.0	403
	1.5+2.5+2.5+7.1	0.88	1.47	1.47	4.18	3.15	8.00	9.76	0.66	2.12	2.93	3.03	9.71	13.40	95	3.79	A	1060	A++	7.83	8.0	403
	1.5+2.5+3.5+3.5	1.09	1.82	2.55	2.55	2.79	8.00	9.31	0.59	2.15	3.00	2.69	9.84	13.73	95	3.72	A	1075	A++	7.87	8.0	400
	1.5+2.5+3.5+4.2	1.03	1.71	2.39	2.87	2.89	8.00	9.49	0.62	2.14	3.14	2.82	9.80	14.38	95	3.74	A	1070	A++	7.88	8.0	400
	1.5+2.5+3.5+5.0	0.96	1.60	2.24	3.20	3.00	8.00	9.64	0.63	2.09	3.09	2.86	9.57	14.13	95	3.84	A	1045	A++	7.87	8.0	400

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
4MXM80N2V1B	1.5+2.5+3.5+6.0	0.89	1.48	2.07	3.56	3.13	8.00	9.75	0.66	2.06	2.93	3.03	9.43	13.40	95	3.89	A	1030	A++	7.89	8.0	400
	1.5+2.5+4.2+4.2	0.97	1.61	2.71	2.71	2.98	8.00	9.63	0.62	2.13	3.21	2.82	9.75	14.70	95	3.76	A	1065	A++	7.88	8.0	400
	1.5+2.5+4.2+5.0	0.91	1.52	2.55	3.03	3.09	8.00	9.73	0.65	2.08	3.16	2.99	9.52	14.46	95	3.86	A	1040	A++	7.88	8.0	400
	1.5+2.5+4.2+6.0	0.85	1.41	2.37	3.38	3.23	8.00	9.77	0.66	2.05	2.93	3.03	9.39	13.40	95	3.91	A	1025	A++	7.89	8.0	399
	1.5+2.5+5.0+5.0	0.86	1.43	2.86	2.86	3.20	8.00	9.77	0.65	2.07	3.12	2.99	9.48	14.26	95	3.88	A	1035	A++	7.88	8.0	400
	1.5+3.5+3.5+3.5	1.00	2.33	2.33	2.33	2.93	8.00	9.56	0.62	2.14	3.07	2.82	9.80	14.05	95	3.74	A	1070	A++	7.87	8.0	401
	1.5+3.5+3.5+4.2	0.94	2.20	2.20	2.65	3.02	8.00	9.67	0.62	2.13	3.21	2.82	9.75	14.70	95	3.76	A	1065	A++	7.87	8.0	400
	1.5+3.5+3.5+5.0	0.89	2.07	2.07	2.96	3.13	8.00	9.75	0.65	2.08	3.16	2.99	9.52	14.46	95	3.86	A	1040	A++	7.86	8.0	401
	1.5+3.5+3.5+6.0	0.83	1.93	1.93	3.31	3.27	8.00	9.77	0.66	2.05	2.93	3.03	9.39	13.40	95	3.91	A	1025	A++	7.88	8.0	400
	1.5+3.5+4.2+4.2	0.90	2.09	2.51	2.51	3.12	8.00	9.74	0.65	2.12	3.28	2.99	9.71	15.03	95	3.78	A	1060	A++	7.88	8.0	400
	1.5+3.5+4.2+5.0	0.85	1.97	2.37	2.82	3.23	8.00	9.77	0.65	2.07	3.24	2.99	9.48	14.83	95	3.88	A	1035	A++	7.87	8.0	400
	1.5+4.2+4.2+4.2	0.85	2.38	2.38	2.38	3.22	8.00	9.77	0.69	2.11	3.28	3.16	9.66	15.03	95	3.80	A	1055	A++	7.88	8.0	400
	2.0+2.0+2.0+2.0	1.85	1.85	1.85	1.85	2.39	7.40	8.06	0.52	1.62	2.12	2.36	7.42	9.69	95	4.57	A	810	A++	8.32	7.4	311
	2.0+2.0+2.0+2.5	1.88	1.88	1.88	2.35	2.46	8.00	8.32	0.52	1.95	2.23	2.36	8.93	10.22	95	4.12	A	975	A++	8.09	8.0	346
	2.0+2.0+2.0+3.5	1.68	1.68	1.68	2.95	2.58	8.00	8.79	0.55	1.94	2.55	2.53	8.88	11.65	95	4.14	A	970	A++	8.09	8.0	346
	2.0+2.0+2.0+4.2	1.57	1.57	1.57	3.29	2.68	8.00	9.07	0.59	2.26	2.67	2.69	10.35	12.22	95	3.54	A	1130	A++	7.69	8.0	387
	2.0+2.0+2.0+5.0	1.45	1.45	1.45	3.64	2.79	8.00	9.33	0.59	2.30	2.95	2.69	10.53	13.52	95	3.49	A	1150	A++	7.62	8.0	413
	2.0+2.0+2.0+6.0	1.33	1.33	1.33	4.00	2.93	8.00	9.58	0.63	2.26	2.86	2.86	10.35	13.08	95	3.54	A	1130	A++	7.65	8.0	412
	2.0+2.0+2.0+7.1	1.22	1.22	1.22	4.34	3.08	8.00	9.74	0.63	2.20	2.93	2.86	10.07	13.40	95	3.65	A	1100	A++	7.71	8.0	409
	2.0+2.0+2.5+2.5	1.73	1.73	2.17	2.17	2.52	7.80	8.57	0.55	1.76	2.42	2.53	8.06	11.08	95	4.43	A	880	A++	8.20	7.8	333
	2.0+2.0+2.5+3.5	1.60	1.60	2.00	2.80	2.65	8.00	9.00	0.55	2.21	2.79	2.53	10.12	12.79	95	3.62	A	1105	A++	7.74	8.0	385
	2.0+2.0+2.5+4.2	1.50	1.50	1.87	3.14	2.75	8.00	9.24	0.59	2.31	2.94	2.69	10.58	13.44	95	3.47	A	1155	A++	7.68	8.0	410
	2.0+2.0+2.5+5.0	1.39	1.39	1.74	3.48	2.86	8.00	9.47	0.59	2.25	3.02	2.69	10.30	13.81	95	3.57	A	1125	A++	7.68	8.0	411
	2.0+2.0+2.5+6.0	1.28	1.28	1.60	3.84	3.00	8.00	9.66	0.63	2.21	2.86	2.86	10.12	13.08	95	3.62	A	1105	A++	7.69	8.0	410
	2.0+2.0+2.5+7.1	1.18	1.18	1.47	4.18	3.15	8.00	9.78	0.66	2.18	2.93	3.03	9.98	13.40	95	3.67	A	1090	A++	7.71	8.0	409
	2.0+2.0+3.5+3.5	1.45	1.45	2.55	2.55	2.79	8.00	9.14	0.59	2.30	2.87	2.69	10.53	13.12	95	3.49	A	1150	A++	7.74	8.0	407
	2.0+2.0+3.5+4.2	1.37	1.37	2.39	2.87	2.89	8.00	9.51	0.62	2.28	3.14	2.82	10.44	14.38	95	3.51	A	1140	A++	7.74	8.0	407
	2.0+2.0+3.5+5.0	1.28	1.28	2.24	3.20	3.00	8.00	9.66	0.63	2.22	3.16	2.86	10.17	14.46	95	3.61	A	1110	A++	7.74	8.0	407
	2.0+2.0+3.5+6.0	1.19	1.19	2.07	3.56	3.13	8.00	9.77	0.66	2.19	2.93	3.03	10.03	13.40	95	3.66	A	1095	A++	7.76	8.0	406
	2.0+2.0+4.2+4.2	1.29	1.29	2.71	2.71	2.98	8.00	9.65	0.62	2.27	3.21	2.82	10.39	14.70	95	3.53	A	1135	A++	7.75	8.0	407
	2.0+2.0+4.2+5.0	1.21	1.21	2.55	3.03	3.09	8.00	9.75	0.65	2.21	3.16	2.99	10.12	14.46	95	3.63	A	1105	A++	7.75	8.0	407
	2.0+2.0+4.2+6.0	1.13	1.13	2.37	3.38	3.23	8.00	9.79	0.66	2.18	2.93	3.03	9.98	13.40	95	3.68	A	1090	A++	7.76	8.0	406
	2.0+2.0+5.0+5.0	1.14	1.14	2.86	2.86	3.20	8.00	9.79	0.65	2.20	3.12	2.99	10.07	14.26	95	3.65	A	1100	A++	7.75	8.0	407
	2.0+2.5+2.5+2.5	1.68	2.11	2.11	2.11	2.58	8.00	8.79	0.55	1.83	2.54	2.53	8.38	11.61	95	4.39	A	915	A++	8.21	8.0	341
	2.0+2.5+2.5+3.5	1.52	1.90	1.90	2.67	2.72	8.00	9.17	0.59	2.21	2.93	2.69	10.12	13.40	95	3.62	A	1105	A++	7.75	8.0	393
	2.0+2.5+2.5+4.2	1.43	1.79	1.79	3.00	2.82	8.00	9.38	0.59	2.24	3.07	2.69	10.26	14.05	95	3.58	A	1120	A++	7.75	8.0	407
	2.0+2.5+2.5+5.0	1.33	1.67	1.67	3.33	2.93	8.00	9.58	0.63	2.18	3.09	2.86	9.98	14.13	95	3.68	A	1090	A++	7.74	8.0	407
	2.0+2.5+2.5+6.0	1.23	1.54	1.54	3.69	3.06	8.00	9.73	0.63	2.15	2.93	2.86	9.84	13.40	95	3.73	A	1075	A++	7.76	8.0	406
	2.0+2.5+2.5+7.1	1.13	1.42	1.42	4.03	3.22	8.00	9.79	0.66	2.12	2.93	3.03	9.71	13.40	95	3.78	A	1060	A++	7.77	8.0	405
	2.0+2.5+3.5+3.5	1.39	1.74	2.43	2.43	2.86	8.00	9.32	0.62	2.20	3.00	2.82	10.07	13.73	95	3.64	A	1100	A++	7.78	8.0	405
	2.0+2.5+3.5+4.2	1.31	1.64	2.30	2.75	2.95	8.00	9.66	0.62	2.19	3.21	2.82	10.03	14.70	95	3.66	A	1095	A++	7.79	8.0	405
	2.0+2.5+3.5+5.0	1.23	1.54	2.15	3.08	3.06	8.00	9.73	0.65	2.13	3.16	2.99	9.75	14.46	95	3.76	A	1065	A++	7.78	8.0	405
	2.0+2.5+3.5+6.0	1.14	1.43	2.00	3.43	3.20	8.00	9.79	0.66	2.10	2.93	3.03	9.62	13.40	95	3.81	A	1050	A++	7.79	8.0	404
	2.0+2.5+4.2+4.2	1.24	1.55	2.60	2.60	3.05	8.00	9.72	0.65	2.18	3.28	2.99	9.98	15.03	95	3.68	A	1090	A++	7.79	8.0	405
	2.0+2.5+4.2+5.0	1.17	1.46	2.45	2.92	3.16	8.00	9.78	0.65	2.12	3.23	2.99	9.71	14.79	95	3.78	A	1060	A++	7.79	8.0	405
	2.0+2.5+5.0+5.0	1.10	1.38	2.76	2.76	3.27	8.00	9.79	0.65	2.11	3.12	2.99	9.66	14.26	95	3.80	A	1055	A++	7.79	8.0	404
	2.0+3.5+3.5+3.5	1.28	2.24	2.24	2.24	3.00	8.00	9.41	0.62	2.18	2.94	2.82	9.98	13.44	95	3.68	A	1090	A++	7.81	8.0	404
	2.0+3.5+3.5+4.2	1.21	2.12	2.12	2.55	3.09	8.00	9.75	0.65	2.17	3.28	2.99	9.94	15.03	95	3.70	A	1085	A++	7.81	8.0	404
	2.0+3.5+3.5+5.0	1.14	2.00	2.00	2.86	3.20	8.00	9.79	0.65	2.11	3.23	2.99	9.66	14.79	95	3.80	A	1055	A++	7.80	8.0	404
	2.0+3.5+4.2+4.2	1.15	2.01	2.42	2.42	3.19	8.00	9.79	0.65	2.15	3.36	2.99	9.84	15.36	95	3.72	A	1075	A++	7.82	8.0	403
	2.5+2.5+2.5+2.5	2.00	2.00	2.00	2.00	2.65	8.00	9.00	0.55	2.17	2.79	2.53	9.94	12.79	95	3.70	A	1085	A++	7.78	8.0	382
	2.5+2.5+2.5+3.5	1.82	1.82	1.82	2.55	2.79	8.00	9.16	0.59	2.23	2.87	2.69	10.21	13.12	95	3.60	A	1115	A++	7.76	8.0	406
	2.5+2.5+2.5+4.2	1.71	1.71	1.71	2.87	2.89	8.00	9.51	0.62	2.21	3.14	2.82	10.12	14.38	95	3.62	A	1105	A++	7.76	8.0	406
	2.5+2.5+2.5+5.0	1.60	1.60	1.60	3.20	3.00	8.00	9.66	0.63	2.15	3.16	2.86	9.84	14.46	95	3.72	A	1075	A++	7.76	8.0	406
	2.5+2.5+2.5+6.0	1.48	1.48	1.48	3.56	3.13	8.00	9.77	0.66	2.13	2.93	3.03	9.75	13.40	95	3.77	A	1065	A++	7.77	8.0	405
	2.5+2.5+3.5+3.5	1.67	1.67	2.33	2.33	2.93	8.00	9.28	0.62	2.21	3.00	2.82	10.12	13.73	95	3.62	A	1105	A++	7.77	8.0	406
	2.5+2.5+3.5+4.2	1.57	1.57	2.20	2.65	3.02	8.00	9.69	0.62	2.20	3.28	2.82	10.07	15.03	95	3.64	A	1100	A++	7.77	8.0	406
	2.5+2.5+3.5+5.0	1.48	1.48	2.07	2.96	3.13	8.00	9.77	0.65	2.14	3.23	2.99	9.80	14.79	95	3.74	A	1070	A++	7.76	8.0	406
	2.5+2.5+3.5+6.0	1.38	1.38	1.93	3.31	3.27	8.00	9.79	0.66	2.12	2.93	3.03	9.71	13.40	95	3.79	A	1060	A++	7.78	8.0	405
	2.5+2.5+4.2+4.2	1.49	1.49	2.51	2.51	3.12	8.00	9.76	0.65	2.19	3.28	2.99	10.03	15.03	95	3.66	A	1095	A++	7.78	8.0	405
	2.5+2.5+4.2+5.0	1.41	1.41	2.37	2.82	3.23	8.00	9.79	0.65	2.13	3.23	2.99	9.75	14.79	95	3.76	A	1065	A++	7.77	8.0	406
	2.5+3.5+3.5+3.5	1.54	2.15	2.15	2.15	3.06	8.00	9.54	0.65	2.20	2.94	2.99	10.07	13.44	95	3.64	A	1100	A++	7.79	8.0	405
	2.5+3.5+3.5+4.2	1.46	2.04	2.04	2.45	3.16	8.00	9.78	0.65	2.19	3.36	2.99	10.03	15.36	95	3.66	A	1095	A++	7.79	8.0	404
	2.5+3.5+3.5+5.0	1.38	1.93	1.93	2.76	3.27	8.00	9.79	0.69	2.13	3.23	3.16	9.75	14.79	95	3.76	A	1065	A++	7.79	8.0	405
	2.5+3.5+4.2+4.2	1.39	1.94	2.33	2.33	3.26	8.00	9.79	0.69	2.18	3.36	3.16	9.98	15.36	95	3.68	A	1090	A++	7.80	8.0	404
	3.5+3.5+3.5+3.5	2.00	2.00	2.00	2.00	3.20	8.00	9.79	0.65	2.19	3.36	2.99	10.03	15.36	95	3.66	A	1095	A++	7.80	8.0	404

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
	1.5	1.88	---	---	---	1.25	1.88	4.10	0.29	0.51	1.23	1.33	2.34	5.63	95	---	---	---	---	---	---	---
	2.0	2.46	---	---	---	1.28	2.46	4.26	0.30	0.66	1.29	1.38	3.01	5.90	95	---	---	---	---	---	---	---
	2.5	3.08	---	---	---	1.33	3.08	4.73	0.32	0.86	1.38	1.46	3.95	6.32	95	---	---	---	---	---	---	---
	3.5	4.31	---	---	---	1.45	4.31	5.31	0.33	1.39	1.68	1.51	6.37	7.68	95	---	---	---	---	---	---	---
	4.2	---	5.18	---	---	1.49	5.18	6.16	0.34	1.63	1.90	1.55	7.45	8.70	95	---	---	---	---	---	---	---
	5.0	---	6.15	---	---	1.86	6.15	7.40	0.43	1.74	2.77	1.95	7.99	12.68	95	---	---	---	---	---	---	---
	6.0	---	7.38	---	---	2.15	7.38	9.00	0.53	2.15	3.11	2.44	9.83	14.23	95	---	---	---	---	---	---	---
	7.1	---	8.74	---	---	2.45	8.74	9.36	0.57	2.71	3.45	2.62	12.43	15.79	95	---	---	---	---	---	---	---
	1.5+1.5	1.85	1.85	---	---	1.45	3.70	7.43	0.41	0.86	1.84	1.89	3.94	8.42	95	4.31	A	A	3.88	3.27	1180	0.22
	1.5+2.0	1.84	2.46	---	---	1.51	4.30	7.81	0.41	1.01	2.00	1.89	4.63	9.15	95	4.26	A	A	3.88	3.27	1178	0.22
	1.5+2.5	1.84	3.06	---	---	1.65	4.90	8.00	0.45	1.17	2.07	2.06	5.36	9.47	95	4.19	A	A	3.89	3.27	1176	0.21
	1.5+3.5	1.83	4.27	---	---	1.94	6.10	8.55	0.52	1.64	2.36	2.37	7.51	10.80	95	3.74	A	A	3.92	3.57	1275	0.33
	1.5+4.2	1.84	5.16	---	---	2.14	7.00	8.90	0.55	1.94	2.58	2.54	8.88	11.81	95	3.62	A	A	3.92	3.57	1273	0.33
	1.5+5.0	1.85	6.15	---	---	2.38	8.00	10.43	0.50	2.11	2.92	2.28	9.66	13.36	95	3.80	A	A+	4.01	4.27	1489	0.63
	1.5+6.0	1.80	7.20	---	---	2.66	9.00	10.63	0.52	2.30	2.68	2.37	10.53	12.27	95	3.92	A	A+	4.03	4.27	1483	0.61
	1.5+7.1	1.67	7.93	---	---	2.96	9.60	10.65	0.55	2.47	2.52	2.50	11.31	11.56	95	3.89	A	A+	4.04	4.27	1477	0.59
	2.0+2.0	2.45	2.45	---	---	1.65	4.90	8.00	0.32	1.16	2.32	1.46	5.31	10.62	95	4.23	A	A	3.87	3.27	1183	0.21
	2.0+2.5	2.44	3.06	---	---	1.80	5.50	8.17	0.35	1.34	2.33	1.59	6.14	10.66	95	4.13	A	A	3.87	3.27	1181	0.21
	2.0+3.5	2.44	4.26	---	---	2.09	6.70	8.72	0.40	1.70	2.44	1.85	7.79	11.17	95	3.95	A	A	3.93	3.57	1271	0.33
	2.0+4.2	2.45	5.15	---	---	2.28	7.60	9.08	0.44	1.98	2.67	2.02	9.07	12.22	95	3.84	A	A	3.93	3.57	1269	0.33
	2.0+5.0	2.43	6.07	---	---	2.52	8.50	10.61	0.52	2.28	3.01	2.37	10.44	13.78	95	3.73	A	A+	4.04	4.27	1479	0.63
	2.0+6.0	2.33	6.98	---	---	2.79	9.30	10.80	0.54	2.42	2.75	2.45	11.08	12.59	95	3.85	A	A+	4.05	4.27	1474	0.61
	2.0+7.1	2.11	7.49	---	---	3.10	9.60	10.90	0.57	2.47	2.66	2.62	11.31	12.17	95	3.90	A	A+	4.07	4.27	1468	0.59
	2.5+2.5	3.05	3.05	---	---	1.94	6.10	8.54	0.39	1.68	2.37	1.76	7.69	10.85	95	3.64	A	A	3.88	3.27	1179	0.21
	2.5+3.5	3.04	4.26	---	---	2.23	7.30	9.10	0.52	2.02	2.67	2.37	9.25	12.22	95	3.62	A	A	3.94	3.57	1268	0.33
	2.5+4.2	3.06	5.14	---	---	2.44	8.20	9.37	0.54	2.28	2.83	2.45	10.44	12.95	95	3.60	B	A	3.95	3.57	1266	0.32
	2.5+5.0	3.00	6.00	---	---	2.66	9.00	10.70	0.54	2.51	3.10	2.45	11.49	14.19	95	3.59	B	A+	4.07	4.27	1468	0.62
	2.5+6.0	2.82	6.78	---	---	2.94	9.60	10.90	0.55	2.63	2.78	2.54	12.04	12.72	95	3.66	A	A+	4.08	4.27	1463	0.61
	2.5+7.1	2.50	7.10	---	---	3.23	9.60	10.90	0.59	2.50	2.70	2.71	11.45	12.36	95	3.85	A	A+	4.10	4.27	1457	0.59
	3.5+3.5	4.25	4.25	---	---	2.52	8.50	9.55	0.55	2.47	2.87	2.54	11.31	13.14	95	3.45	B	A+	4.04	4.27	1478	0.64
	3.5+4.2	4.09	4.91	---	---	2.71	9.00	10.16	0.57	2.69	3.33	2.62	12.32	15.25	95	3.35	C	A+	4.05	4.27	1475	0.63
	3.5+5.0	3.91	5.59	---	---	2.94	9.50	10.92	0.58	2.66	3.14	2.67	12.18	14.37	95	3.58	B	A+	4.04	4.97	1720	0.93
	3.5+6.0	3.54	6.06	---	---	3.21	9.60	11.03	0.57	2.48	2.77	2.62	11.36	12.68	95	3.88	A	A+	4.06	4.97	1714	0.91
4MXM80N2V1B	3.5+7.1	3.17	6.43	---	---	3.52	9.60	11.05	0.63	2.42	2.61	2.88	11.08	11.95	95	3.98	A	A+	4.07	4.97	1707	0.90
	4.2+4.2	4.75	4.75	---	---	2.91	9.50	9.98	0.59	2.55	2.58	2.71	11.68	11.82	95	3.73	A	A+	4.06	4.27	1472	0.63
	4.2+5.0	4.38	5.22	---	---	3.13	9.60	10.93	0.60	2.59	3.20	2.75	11.86	14.65	95	3.71	A	A+	4.11	4.97	1693	0.93
	4.2+6.0	3.95	5.65	---	---	3.41	9.60	11.05	0.61	2.39	2.80	2.80	10.94	12.81	95	4.03	A	A+	4.12	4.97	1686	0.91
	4.2+7.1	3.57	6.03	---	---	3.70	9.60	11.07	0.66	2.38	2.60	3.01	10.90	11.90	95	4.05	A	A+	4.14	4.97	1680	0.89
	5.0+5.0	4.80	4.80	---	---	3.35	9.60	11.10	0.63	2.46	3.12	2.88	11.26	14.28	95	3.91	A	A+	4.00	6.23	2177	1.49
	5.0+6.0	4.36	5.24	---	---	3.62	9.60	11.12	0.62	2.35	2.73	2.84	10.76	12.49	95	4.10	A	A+	4.02	6.23	2168	1.47
	5.0+7.1	3.97	5.63	---	---	3.93	9.60	11.14	0.66	2.33	2.57	3.01	10.67	11.76	95	4.13	A	A+	4.03	6.23	2160	1.45
	6.0+6.0	4.80	4.80	---	---	3.90	9.60	11.14	0.63	2.27	2.55	2.88	10.39	11.67	95	4.24	A	A+	4.03	6.23	2164	1.47
	6.0+7.1	4.40	5.20	---	---	4.20	9.60	11.16	0.67	2.26	2.54	3.05	10.35	11.62	95	4.26	A	A+	4.04	6.23	2155	1.45
	7.1+7.1	4.80	4.80	---	---	4.51	9.60	11.20	0.73	2.20	2.59	3.36	10.07	11.86	95	4.37	A	A+	4.04	6.23	2156	1.43
	1.5+1.5+1.5	1.83	1.83	1.83	---	1.80	5.50	9.95	0.40	1.14	2.27	1.85	5.22	10.39	95	4.83	A	A	3.92	4.57	1631	0.73
	1.5+1.5+2.0	1.83	1.83	2.44	---	1.94	6.10	10.13	0.41	1.32	2.35	1.89	6.05	10.76	95	4.64	A	A	3.93	4.57	1626	0.72
	1.5+1.5+2.5	1.83	1.83	3.05	---	2.09	6.70	10.21	0.43	1.49	2.38	1.98	6.82	10.89	95	4.51	A	A	3.94	4.57	1621	0.72
	1.5+1.5+3.5	1.85	1.85	4.31	---	2.38	8.00	10.32	0.47	1.88	2.50	2.15	8.61	11.44	95	4.27	A	A	3.94	5.27	1871	1.02
	1.5+1.5+4.2	1.81	1.81	5.08	---	2.58	8.70	10.32	0.49	2.15	2.50	2.24	9.84	11.44	95	4.06	A	A	3.95	5.27	1865	1.02
	1.5+1.5+5.0	1.74	1.74	5.81	---	2.79	9.30	10.49	0.50	2.21	2.58	2.28	10.12	11.81	95	4.22	A	A+	4.04	6.23	2155	1.43
	1.5+1.5+6.0	1.58	1.58	6.33	---	3.07	9.50	11.14	0.51	2.20	2.61	2.32	10.07	11.95	95	4.33	A	A+	4.08	6.23	2138	1.41
	1.5+1.5+7.1	1.43	1.43	6.75	---	3.38	9.60	11.17	0.54	2.21	2.60	2.45	10.12	11.91	95	4.35	A	A+	4.11	6.23	2122	1.40
	1.5+2.0+2.0	1.83	2.44	2.44	---	2.09	6.70	10.29	0.43	1.49	2.42	1.98	6.82	11.08	95	4.51	A	A	3.93	4.57	1624	0.72
	1.5+2.0+2.5	1.83	2.43	3.04	---	2.23	7.30	10.39	0.45	1.68	2.45	2.06	7.69	11.21	95	4.37	A	A	3.96	4.57	1615	0.72
	1.5+2.0+3.5	1.82	2.43	4.25	---	2.52	8.50	10.48	0.49	2.06	2.59	2.24	9.43	11.85	95	4.14	A	A	3.94	5.27	1869	1.02
	1.5+2.0+4.2	1.75	2.34	4.91	---	2.71	9.00	10.49	0.51	2.22	2.58	2.32	10.17	11.81	95	4.06	A	A	3.96	5.27	1863	1.01
	1.5+2.0+5.0	1.69	2.26	5.65	---	2.94	9.60	10.91	0.52	2.34	2.65	2.37	10.71	12.13	95	4.12	A	A+	4.05	6.23	2153	1.43
	1.5+2.0+6.0	1.52	2.02	6.06	---	3.21	9.60	11.14	0.53	2.22	2.61	2.41	10.17	11.95	95	4.33	A	A+	4.08	6.23	2136	1.41
	1.5+2.0+7.1	1.36	1.81	6.43	---	3.52	9.60	11.17	0.56	2.21	2.60	2.58	10.12	11.91	95	4.35	A	A+	4.11	6.23	2120	1.39
	1.5+2.5+2.5	1.85	3.08	3.08	---	2.38	8.00	10.50	0.47	1.95	2.45	2.15	8.93	11.21	95	4.11	A	A	3.97	4.57	1610	0.71
	1.5+2.5+3.5	1.80	3.00	4.20	---	2.66	9.00	10.61	0.51	2.22	2.58	2.32	10.17	11.81	95	4.07	A	A	3.97	5.27	1858	1.01
	1.5+2.5+4.2	1.76	2.93	4.92	---	2.86	9.60	10.61	0.53	2.42	2.58	2.41	11.08	11.81	95	3.97	A	A	3.98	5.27	1852	1.01
	1.5+2.5+5.0	1.60	2.67	5.33	---	3.07	9.60	11.03	0.54	2.34	2.65	2.45	10.71	12.13	95	4.12	A	A+	4.07	6.23	2140	1.43
	1.5+2.5+6.0	1.44	2.40	5.76	---	3.35	9.60	11.14	0.55	2.22	2.61	2.50	10.17	11.95	95	4.33	A	A+	4.10	6.23	2124	1.41
	1.5+2.5+7.1	1.30	2.16	6.14	---	3.65	9.60	11.17	0.58	2.21	2.60	2.67	10.12	11.91	95	4.35	A	A+	4.13	6.23	2108	1.39
	1.5+3.5+3.5	1.69	3.95	3.95	---	2.94	9.60	10.62	0.55	2.38	2.58	2.54	10.90	11.81	95	4.05	A	A+	4.01	6.23	2173	1.44
	1.5+3.5+4.2	1.57	3.65	4.38	---	3.13	9.60	10.77	0.57	2.38	2.73	2.62	10.90	12.48	95	4.05	A	A+	4.01	6.23	2174	1.43

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
4MXM80N2V1B	1.5+3.5+5.0	1.44	3.36	4.80	---	3.35	9.60	10.96	0.57	2.34	2.60	2.62	10.71	11.90	95	4.12	A	A+	4.05	6.23	2149	1.42
	1.5+3.5+6.0	1.31	3.05	5.24	---	3.62	9.60	11.15	0.58	2.22	2.61	2.67	10.17	11.95	95	4.33	A	A+	4.08	6.23	2133	1.40
	1.5+3.5+7.1	1.19	2.78	5.63	---	3.93	9.60	11.18	0.62	2.21	2.59	2.84	10.12	11.86	95	4.35	A	A+	4.11	6.23	2117	1.38
	1.5+4.2+4.2	1.45	4.07	4.07	---	3.33	9.60	10.78	0.59	2.38	2.73	2.71	10.90	12.48	95	4.05	A	A+	4.01	6.23	2174	1.43
	1.5+4.2+5.0	1.35	3.77	4.49	---	3.54	9.60	11.02	0.62	2.34	2.68	2.84	10.71	12.27	95	4.12	A	A+	4.07	6.23	2142	1.42
	1.5+4.2+6.0	1.23	3.45	4.92	---	3.81	9.60	11.15	0.60	2.22	2.60	2.75	10.17	11.91	95	4.33	A	A+	4.10	6.23	2126	1.40
	1.5+4.2+7.1	1.13	3.15	5.33	---	4.12	9.60	11.19	0.67	2.21	2.59	3.05	10.12	11.86	95	4.35	A	A+	4.13	6.23	2111	1.38
	1.5+5.0+5.0	1.25	4.17	4.17	---	3.76	9.60	11.04	0.62	2.25	2.64	2.84	10.30	12.08	95	4.27	A	A+	4.08	6.23	2135	1.41
	1.5+5.0+6.0	1.15	3.84	4.61	---	4.04	9.60	11.28	0.63	2.14	2.61	2.88	9.80	11.95	95	4.50	A	A+	4.11	6.23	2119	1.40
	1.5+5.0+7.1	1.06	3.53	5.01	---	4.35	9.60	11.32	0.67	2.13	2.60	3.05	9.75	11.91	95	4.52	A	A+	4.14	6.23	2104	1.38
	1.5+6.0+6.0	1.07	4.27	4.27	---	4.31	9.60	11.52	0.64	2.07	2.53	2.93	9.48	11.60	95	4.65	A	A+	4.12	6.23	2113	1.39
	2.0+2.0+2.0	2.50	2.50	2.50	---	2.23	7.50	10.47	0.45	1.73	2.49	2.06	7.92	11.40	95	4.34	A	A	3.89	4.57	1644	0.71
	2.0+2.0+2.5	2.46	2.46	3.08	---	2.38	8.00	10.55	0.47	1.87	2.53	2.15	8.56	11.58	95	4.28	A	A	3.90	4.57	1638	0.70
	2.0+2.0+3.5	2.40	2.40	4.20	---	2.66	9.00	10.66	0.51	2.21	2.66	2.32	10.12	12.17	95	4.08	A	A	3.91	5.37	1919	1.04
	2.0+2.0+4.2	2.29	2.29	4.81	---	2.86	9.40	10.66	0.53	2.41	2.62	2.41	11.03	11.99	95	3.91	A	A	3.93	5.37	1913	1.04
	2.0+2.0+5.0	2.13	2.13	5.33	---	3.07	9.60	10.90	0.54	2.38	2.73	2.45	10.90	12.49	95	4.05	A	A+	4.01	6.23	2172	1.41
	2.0+2.0+6.0	1.92	1.92	5.76	---	3.35	9.60	11.14	0.55	2.26	2.61	2.50	10.35	11.95	95	4.25	A	A+	4.04	6.23	2156	1.40
	2.0+2.0+7.1	1.73	1.73	6.14	---	3.65	9.60	11.17	0.58	2.25	2.60	2.67	10.30	11.91	95	4.27	A	A+	4.07	6.23	2140	1.38
	2.0+2.5+2.5	2.43	3.04	3.04	---	2.52	8.50	10.57	0.49	2.10	2.62	2.24	9.62	11.99	95	4.07	A	A	3.93	4.77	1697	0.79
	2.0+2.5+3.5	2.33	2.91	4.07	---	2.79	9.30	10.66	0.53	2.39	2.66	2.41	10.94	12.17	95	3.90	A	A	3.95	5.37	1902	1.04
	2.0+2.5+4.2	2.21	2.76	4.63	---	2.99	9.60	10.67	0.55	2.50	2.64	2.54	11.45	12.08	95	3.85	A	A	3.96	5.37	1896	1.04
	2.0+2.5+5.0	2.02	2.53	5.05	---	3.21	9.60	11.09	0.55	2.34	2.76	2.54	10.71	12.63	95	4.12	A	A+	4.05	6.23	2152	1.41
	2.0+2.5+6.0	1.83	2.29	5.49	---	3.49	9.60	11.14	0.56	2.22	2.61	2.58	10.17	11.95	95	4.33	A	A+	4.08	6.23	2137	1.39
	2.0+2.5+7.1	1.66	2.07	5.88	---	3.79	9.60	11.17	0.60	2.21	2.60	2.75	10.12	11.91	95	4.35	A	A+	4.11	6.23	2121	1.37
	2.0+3.5+3.5	2.13	3.73	3.73	---	3.07	9.60	10.76	0.55	2.38	2.73	2.54	10.90	12.48	95	4.05	A	A+	4.10	6.23	2124	1.42
	2.0+3.5+4.2	1.98	3.46	4.16	---	3.26	9.60	10.77	0.59	2.38	2.73	2.71	10.90	12.48	95	4.05	A	A+	4.11	6.23	2118	1.42
	2.0+3.5+5.0	1.83	3.20	4.57	---	3.49	9.60	11.14	0.59	2.34	2.83	2.71	10.71	12.95	95	4.12	A	A+	4.17	6.23	2088	1.41
	2.0+3.5+6.0	1.67	2.92	5.01	---	3.76	9.60	11.15	0.60	2.22	2.61	2.75	10.17	11.95	95	4.33	A	A+	4.20	6.23	2073	1.39
	2.0+3.5+7.1	1.52	2.67	5.41	---	4.07	9.60	11.18	0.65	2.21	2.59	2.97	10.12	11.86	95	4.35	A	A+	4.23	6.23	2058	1.37
	2.0+4.2+4.2	1.85	3.88	3.88	---	3.46	9.60	10.78	0.61	2.38	2.73	2.80	10.90	12.48	95	4.05	A	A+	4.13	6.23	2111	1.41
	2.0+4.2+5.0	1.71	3.60	4.29	---	3.68	9.60	10.91	0.64	2.34	2.68	2.93	10.71	12.26	95	4.12	A	A+	4.19	6.23	2081	1.40
	2.0+4.2+6.0	1.57	3.30	4.72	---	3.96	9.60	11.15	0.63	2.22	2.60	2.88	10.17	11.91	95	4.33	A	A+	4.22	6.23	2066	1.38
	2.0+4.2+7.1	1.44	3.03	5.12	---	4.26	9.60	11.19	0.69	2.21	2.59	3.14	10.12	11.86	95	4.35	A	A+	4.25	6.23	2052	1.37
	2.0+5.0+5.0	1.60	4.00	4.00	---	3.90	9.60	11.04	0.64	2.25	2.64	2.93	10.30	12.08	95	4.27	A	A+	4.20	6.23	2075	1.40
	2.0+5.0+6.0	1.48	3.69	4.43	---	4.17	9.60	11.28	0.65	2.14	2.61	2.97	9.80	11.95	95	4.50	A	A+	4.23	6.23	2060	1.38
	2.0+5.0+7.1	1.36	3.40	4.83	---	4.48	9.60	11.32	0.70	2.13	2.60	3.18	9.75	11.91	95	4.52	A	A+	4.26	6.23	2046	1.36
	2.0+6.0+6.0	1.37	4.11	4.11	---	4.45	9.60	11.52	0.66	2.07	2.53	3.01	9.48	11.60	95	4.65	A	A+	4.24	6.23	2054	1.38
	2.5+2.5+2.5	3.20	3.20	3.20	---	2.66	9.60	10.70	0.51	2.49	2.65	2.32	11.40	12.13	95	3.86	A	A+	4.04	4.77	1651	0.77
	2.5+2.5+3.5	2.82	2.82	3.95	---	2.94	9.60	10.90	0.55	2.46	2.73	2.54	11.26	12.49	95	3.91	A	A+	4.06	5.37	1850	1.03
	2.5+2.5+4.2	2.61	2.61	4.38	---	3.13	9.60	11.02	0.57	2.44	2.93	2.62	11.17	13.40	95	3.94	A	A+	4.07	5.37	1844	1.02
	2.5+2.5+5.0	2.40	2.40	4.80	---	3.35	9.60	11.10	0.57	2.35	2.79	2.62	10.76	12.77	95	4.10	A	A+	4.15	6.23	2100	1.40
	2.5+2.5+6.0	2.18	2.18	5.24	---	3.62	9.60	11.14	0.58	2.26	2.61	2.67	10.35	11.95	95	4.25	A	A+	4.18	6.23	2084	1.38
	2.5+2.5+7.1	1.98	1.98	5.63	---	3.93	9.60	11.17	0.62	2.26	2.60	2.84	10.35	11.91	95	4.25	A	A+	4.21	6.23	2069	1.36
	2.5+3.5+3.5	2.53	3.54	3.54	---	3.21	9.60	11.03	0.57	2.41	2.73	2.62	11.03	12.49	95	4.00	A	A+	4.10	6.23	2124	1.41
	2.5+3.5+4.2	2.35	3.29	3.95	---	3.41	9.60	11.04	0.61	2.39	2.72	2.80	10.94	12.45	95	4.03	A	A+	4.11	6.23	2118	1.40
	2.5+3.5+5.0	2.18	3.05	4.36	---	3.62	9.60	11.10	0.62	2.30	2.75	2.84	10.53	12.59	95	4.19	A	A+	4.17	6.23	2087	1.39
	2.5+3.5+6.0	2.00	2.80	4.80	---	3.90	9.60	11.15	0.63	2.25	2.61	2.88	10.30	11.95	95	4.27	A	A+	4.20	6.23	2072	1.37
	2.5+3.5+7.1	1.83	2.56	5.20	---	4.20	9.60	11.18	0.67	2.21	2.59	3.05	10.12	11.86	95	4.35	A	A+	4.23	6.23	2058	1.35
	2.5+4.2+4.2	2.20	3.70	3.70	---	3.60	9.60	11.04	0.64	2.37	2.72	2.93	10.85	12.45	95	4.06	A	A+	4.13	6.23	2111	1.40
	2.5+4.2+5.0	2.05	3.45	4.10	---	3.81	9.60	11.10	0.66	2.28	2.57	3.01	10.44	11.76	95	4.22	A	A+	4.19	6.23	2081	1.39
	2.5+4.2+6.0	1.89	3.17	4.54	---	4.09	9.60	11.15	0.65	2.24	2.60	2.97	10.26	11.91	95	4.30	A	A+	4.22	6.23	2066	1.37
	2.5+4.2+7.1	1.74	2.92	4.94	---	4.40	9.60	11.19	0.71	2.20	2.59	3.27	10.07	11.86	95	4.38	A	A+	4.25	6.23	2052	1.35
	2.5+5.0+5.0	1.92	3.84	3.84	---	4.04	9.60	11.04	0.67	2.26	2.64	3.05	10.35	12.08	95	4.25	A	A+	4.20	6.23	2074	1.38
	2.5+5.0+6.0	1.78	3.56	4.27	---	4.31	9.60	11.28	0.68	2.18	2.61	3.10	9.98	11.95	95	4.42	A	A+	4.23	6.23	2059	1.37
	2.5+6.0+6.0	1.66	3.97	3.97	---	4.59	9.60	11.52	0.68	2.11	2.53	3.10	9.66	11.60	95	4.57	A	A+	4.27	6.23	2042	1.36
	3.5+3.5+3.5	3.20	3.20	3.20	---	3.49	9.60	11.09	0.61	2.42	2.80	2.80	11.08	12.81	95	3.97	A	A+	4.13	6.23	2107	1.38
	3.5+3.5+4.2	3.00	3.00	3.60	---	3.68	9.60	11.09	0.66	2.40	2.61	3.01	10.99	11.95	95	4.00	A	A+	4.15	6.23	2101	1.38
	3.5+3.5+5.0	2.80	2.80	4.00	---	3.90	9.60	11.10	0.66	2.37	2.57	3.01	10.85	11.76	95	4.06	A	A+	4.21	6.23	2072	1.37
	3.5+3.5+6.0	2.58	2.58	4.43	---	4.17	9.60	11.15	0.67	2.22	2.60	3.05	10.17	11.91	95	4.33	A	A+	4.24	6.23	2057	1.35
	3.5+3.5+7.1	2.38	2.38	4.83	---	4.48	9.60	11.19	0.71	2.21	2.59	3.27	10.12	11.86	95	4.35	A	A+	4.26	6.23	2043	1.33
	3.5+4.2+4.2	2.82	3.39	3.39	---	3.88	9.60	10.80	0.68	2.38	2.72	3.10	10.90	12.43	95	4.05	A	A+	4.16	6.23	2094	1.37
	3.5+4.2+5.0	2.65	3.17	3.78	---	4.09	9.60	10.92	0.71	2.35	2.68	3.23	10.76	12.26	95	4.10	A	A+	4.22	6.23	2065	1.36
	3.5+4.2+6.0	2.45	2.94	4.20	---	4.37	9.60	11.16	0.70	2.21	2.60	3.18	10.12	11.91	95	4.35	A	A+	4.25	6.23	2051	1.34
	3.5+5.0+5.0	2.49	3.56	3.56	---	4.31	9.60	11.06	0.71	2.25	2.64	3.27	10.30	12.08	95	4.27	A	A+	4.27	6.23	2039	1.36
	3.5+5.0+6.0	2.32	3.31	3.97	---	4.59	9.60	11.29	0.72	2.14	2.61	3.31	9.80	11.95	95	4.50	A	A+	4.30	6.23	2025	1.34
	4.2+4.2+4.2	3.20	3.20	3.20	---	4.07	9.60	10.80	0.71	2.36	2.72	3.23	10.81	12.43	95	4.07	A	A+	4.24	6.23	2056	1.37
	4.2+4.2+5.0	3.01	3.01	3.58	---	4.28	9.60	10.93	0.73	2.33	2.68	3.36	10.67	12.26	95	4.13	A	A+	4.30	6.23	2028	1.36

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
4MXM80N2V1B	4.2+4.2+6.0	2.80	2.80	4.00	---	4.56	9.60	11.17	0.74	2.21	2.60	3.40	10.12	11.91	95	4.35	A	A+	4.33	6.23	2014	1.34
	4.2+5.0+5.0	2.84	3.38	3.38	---	4.51	9.60	11.07	0.76	2.24	2.63	3.48	10.26	12.04	95	4.29	A	A+	4.33	6.23	2014	1.35
	1.5+1.5+1.5+1.5	1.83	1.83	1.83	1.83	2.23	7.30	10.10	0.39	1.61	2.13	1.76	7.37	9.75	95	4.56	A	A+	4.04	6.23	2157	1.40
	1.5+1.5+1.5+2.0	1.85	1.85	1.85	2.46	2.38	8.00	10.28	0.39	1.81	2.20	1.81	8.29	10.07	95	4.43	A	A+	4.04	6.23	2159	1.39
	1.5+1.5+1.5+2.5	1.82	1.82	1.82	3.04	2.52	8.50	10.39	0.41	1.95	2.21	1.89	8.93	10.11	95	4.37	A	A+	4.05	6.23	2151	1.39
	1.5+1.5+1.5+3.5	1.74	1.74	1.74	4.07	2.79	9.30	10.59	0.45	2.13	2.41	2.06	9.75	11.03	95	4.37	A	A+	4.08	6.23	2134	1.38
	1.5+1.5+1.5+4.2	1.66	1.66	1.66	4.63	2.99	9.60	11.16	0.48	2.21	2.60	2.19	10.12	11.91	95	4.35	A	A+	4.10	6.23	2126	1.38
	1.5+1.5+1.5+5.0	1.52	1.52	1.52	5.05	3.21	9.60	11.29	0.49	2.14	2.61	2.24	9.80	11.95	95	4.50	A	A+	4.17	6.23	2089	1.37
	1.5+1.5+1.5+6.0	1.37	1.37	1.37	5.49	3.49	9.60	11.53	0.49	2.06	2.53	2.24	9.43	11.60	95	4.67	A	A+	4.20	6.23	2072	1.36
	1.5+1.5+1.5+7.1	1.24	1.24	1.24	5.88	3.79	9.60	11.56	0.53	2.05	2.52	2.41	9.39	11.56	95	4.69	A	A+	4.24	6.23	2056	1.36
	1.5+1.5+2.0+2.0	1.82	1.82	2.43	2.43	2.52	8.50	10.47	0.41	1.99	2.27	1.89	9.11	10.39	95	4.28	A	A+	4.14	6.23	2106	1.39
	1.5+1.5+2.0+2.5	1.80	1.80	2.40	3.00	2.66	9.00	10.57	0.43	2.14	2.31	1.98	9.80	10.57	95	4.22	A	A+	4.15	6.23	2098	1.38
	1.5+1.5+2.0+3.5	1.69	1.69	2.26	3.95	2.94	9.60	10.67	0.49	2.22	2.30	2.24	10.17	10.53	95	4.33	A	A+	4.18	6.23	2082	1.38
	1.5+1.5+2.0+4.2	1.57	1.57	2.09	4.38	3.13	9.60	11.16	0.50	2.21	2.60	2.28	10.12	11.91	95	4.35	A	A+	4.20	6.23	2075	1.37
	1.5+1.5+2.0+5.0	1.44	1.44	1.92	4.80	3.35	9.60	11.29	0.51	2.14	2.61	2.32	9.80	11.95	95	4.50	A	A+	4.27	6.23	2041	1.36
	1.5+1.5+2.0+6.0	1.31	1.31	1.75	5.24	3.62	9.60	11.53	0.51	2.06	2.53	2.32	9.43	11.60	95	4.67	A	A+	4.30	6.23	2025	1.36
	1.5+1.5+2.0+7.1	1.19	1.19	1.59	5.63	3.93	9.60	11.56	0.55	2.05	2.52	2.50	9.39	11.56	95	4.69	A	A+	4.34	6.23	2009	1.35
	1.5+1.5+2.5+2.5	1.80	1.80	3.00	3.00	2.79	9.60	10.58	0.45	2.21	2.41	2.06	10.12	11.03	95	4.35	A	A+	4.17	6.23	2089	1.38
	1.5+1.5+2.5+3.5	1.60	1.60	2.67	3.73	3.07	9.60	11.15	0.51	2.22	2.60	2.32	10.17	11.91	95	4.33	A	A+	4.20	6.23	2074	1.37
	1.5+1.5+2.5+4.2	1.48	1.48	2.47	4.16	3.26	9.60	11.16	0.52	2.21	2.60	2.37	10.12	11.91	95	4.35	A	A+	4.22	6.23	2066	1.37
	1.5+1.5+2.5+5.0	1.37	1.37	2.29	4.57	3.49	9.60	11.29	0.53	2.14	2.61	2.41	9.80	11.95	95	4.50	A	A+	4.29	6.23	2032	1.36
	1.5+1.5+2.5+6.0	1.25	1.25	2.09	5.01	3.76	9.60	11.53	0.54	2.06	2.53	2.45	9.43	11.60	95	4.67	A	A+	4.32	6.23	2017	1.35
	1.5+1.5+2.5+7.1	1.14	1.14	1.90	5.41	4.07	9.60	11.56	0.58	2.05	2.52	2.67	9.39	11.56	95	4.69	A	A+	4.35	6.23	2001	1.35
	1.5+1.5+3.5+3.5	1.44	1.44	3.36	3.36	3.35	9.60	11.16	0.55	2.21	2.60	2.50	10.12	11.91	95	4.35	A	A+	4.22	6.23	2066	1.37
	1.5+1.5+3.5+4.2	1.35	1.35	3.14	3.77	3.54	9.60	11.17	0.56	2.21	2.60	2.58	10.12	11.91	95	4.35	A	A+	4.23	6.23	2058	1.37
	1.5+1.5+3.5+5.0	1.25	1.25	2.92	4.17	3.76	9.60	11.29	0.58	2.13	2.60	2.67	9.75	11.91	95	4.52	A	A+	4.30	6.23	2024	1.35
	1.5+1.5+3.5+6.0	1.15	1.15	2.69	4.61	4.04	9.60	11.53	0.57	2.06	2.52	2.62	9.43	11.56	95	4.67	A	A+	4.34	6.23	2009	1.35
	1.5+1.5+3.5+7.1	1.06	1.06	2.47	5.01	4.35	9.60	11.58	0.63	2.05	2.52	2.88	9.39	11.51	95	4.69	A	A+	4.37	6.23	1994	1.35
	1.5+1.5+4.2+4.2	1.26	1.26	3.54	3.54	3.73	9.60	11.18	0.60	2.21	2.59	2.75	10.12	11.86	95	4.35	A	A+	4.25	6.23	2050	1.36
	1.5+1.5+4.2+5.0	1.18	1.18	3.30	3.93	3.96	9.60	11.30	0.60	2.13	2.60	2.75	9.75	11.91	95	4.52	A	A+	4.32	6.23	2017	1.35
	1.5+1.5+4.2+6.0	1.09	1.09	3.05	4.36	4.23	9.60	11.54	0.61	2.06	2.52	2.80	9.43	11.56	95	4.67	A	A+	4.35	6.23	2001	1.35
	1.5+1.5+4.2+7.1	1.01	1.01	2.82	4.77	4.54	9.60	11.58	0.65	2.05	2.52	2.97	9.39	11.51	95	4.69	A	A+	4.39	6.23	1986	1.34
	1.5+1.5+5.0+5.0	1.11	1.11	3.69	3.69	4.17	9.60	11.44	0.63	2.09	2.56	2.88	9.57	11.73	95	4.61	A	A+	4.34	6.23	2009	1.35
	1.5+1.5+5.0+6.0	1.03	1.03	3.43	4.11	4.45	9.60	11.68	0.63	1.97	2.49	2.88	9.02	11.38	95	4.88	A	A+	4.37	6.23	1993	1.34
	1.5+2.0+2.0+2.0	1.90	2.53	2.53	2.53	2.66	9.50	10.66	0.43	2.26	2.35	1.98	10.35	10.76	95	4.21	A	A+	4.10	6.23	2125	1.38
	1.5+2.0+2.0+2.5	1.80	2.40	2.40	3.00	2.79	9.60	10.75	0.45	2.26	2.36	2.06	10.35	10.80	95	4.25	A	A+	4.11	6.23	2122	1.38
	1.5+2.0+2.0+3.5	1.60	2.13	2.13	3.73	3.07	9.60	11.15	0.51	2.25	2.60	2.32	10.30	11.91	95	4.28	A	A+	4.12	6.23	2116	1.37
	1.5+2.0+2.0+4.2	1.48	1.98	1.98	4.16	3.26	9.60	11.16	0.52	2.23	2.60	2.37	10.21	11.91	95	4.31	A	A+	4.12	6.23	2113	1.37
	1.5+2.0+2.0+5.0	1.37	1.83	1.83	4.57	3.49	9.60	11.29	0.53	2.14	2.61	2.41	9.80	11.95	95	4.50	A	A+	4.19	6.23	2078	1.35
	1.5+2.0+2.0+6.0	1.25	1.67	1.67	5.01	3.76	9.60	11.53	0.54	2.06	2.53	2.45	9.43	11.60	95	4.67	A	A+	4.23	6.23	2061	1.35
	1.5+2.0+2.0+7.1	1.14	1.52	1.52	5.41	4.07	9.60	11.56	0.58	2.05	2.52	2.67	9.39	11.56	95	4.69	A	A+	4.26	6.23	2045	1.35
	1.5+2.0+2.5+2.5	1.69	2.26	2.82	2.82	2.94	9.60	10.75	0.49	2.22	2.31	2.24	10.17	10.57	95	4.33	A	A+	4.10	6.23	2128	1.37
	1.5+2.0+2.5+3.5	1.52	2.02	2.53	3.54	3.21	9.60	11.15	0.53	2.22	2.60	2.41	10.17	11.91	95	4.33	A	A+	4.13	6.23	2112	1.37
	1.5+2.0+2.5+4.2	1.41	1.88	2.35	3.95	3.41	9.60	11.16	0.55	2.21	2.60	2.50	10.12	11.91	95	4.35	A	A+	4.14	6.23	2104	1.36
	1.5+2.0+2.5+5.0	1.31	1.75	2.18	4.36	3.62	9.60	11.29	0.56	2.14	2.61	2.58	9.80	11.95	95	4.50	A	A+	4.21	6.23	2069	1.35
	1.5+2.0+2.5+6.0	1.20	1.60	2.00	4.80	3.90	9.60	11.53	0.55	2.06	2.53	2.54	9.43	11.60	95	4.67	A	A+	4.24	6.23	2053	1.35
	1.5+2.0+2.5+7.1	1.10	1.47	1.83	5.20	4.20	9.60	11.56	0.61	2.05	2.52	2.80	9.39	11.56	95	4.69	A	A+	4.28	6.23	2038	1.34
	1.5+2.0+3.5+3.5	1.37	1.83	3.20	3.20	3.49	9.60	11.16	0.56	2.21	2.60	2.58	10.12	11.91	95	4.35	A	A+	4.14	6.23	2103	1.36
	1.5+2.0+3.5+4.2	1.29	1.71	3.00	3.60	3.68	9.60	11.17	0.58	2.21	2.60	2.67	10.12	11.91	95	4.35	A	A+	4.16	6.23	2096	1.36
	1.5+2.0+3.5+5.0	1.20	1.60	2.80	4.00	3.90	9.60	11.29	0.60	2.13	2.60	2.75	9.75	11.91	95	4.52	A	A+	4.23	6.23	2061	1.35
	1.5+2.0+3.5+6.0	1.11	1.48	2.58	4.43	4.17	9.60	11.53	0.61	2.06	2.52	2.80	9.43	11.56	95	4.67	A	A+	4.26	6.23	2045	1.34
	1.5+2.0+3.5+7.1	1.02	1.36	2.38	4.83	4.48	9.60	11.58	0.65	2.05	2.52	2.97	9.39	11.51	95	4.69	A	A+	4.29	6.23	2030	1.34
	1.5+2.0+4.2+4.2	1.21	1.61	3.39	3.39	3.88	9.60	11.18	0.62	2.25	2.59	2.84	10.30	11.86	95	4.27	A	A+	4.17	6.23	2087	1.35
	1.5+2.0+4.2+5.0	1.13	1.51	3.17	3.78	4.09	9.60	11.30	0.63	2.13	2.60	2.88	9.75	11.91	95	4.52	A	A+	4.24	6.23	2053	1.34
	1.5+2.0+4.2+6.0	1.05	1.40	2.94	4.20	4.37	9.60	11.54	0.63	2.06	2.52	2.88	9.43	11.56	95	4.67	A	A+	4.28	6.23	2037	1.34
	1.5+2.0+5.0+5.0	1.07	1.42	3.56	3.56	4.31	9.60	11.44	0.65	2.09	2.56	2.97	9.57	11.73	95	4.61	A	A+	4.40	6.23	1979	1.34
	1.5+2.0+5.0+6.0	0.99	1.32	3.31	3.97	4.59	9.60	11.68	0.66	1.97	2.49	3.01	9.02	11.38	95	4.88	A	A+	4.44	6.23	1964	1.34
	1.5+2.5+2.5+2.5	1.60	2.67	2.67	2.67	3.07	9.60	11.14	0.51	2.22	2.61	2.32	10.17	11.95	95	4.33	A	A+	4.09	6.23	2129	1.36
	1.5+2.5+2.5+3.5	1.44	2.40	2.40	3.36	3.35	9.60	11.15	0.55	2.22	2.60	2.50	10.17	11.91	95	4.33	A	A+	4.12	6.23	2113	1.35
	1.5+2.5+2.5+4.2	1.35	2.24	2.24	3.77	3.54	9.60	11.16	0.56	2.21	2.60	2.58	10.12	11.91	95	4.35	A	A+	4.14	6.23	2105	1.35
	1.5+2.5+2.5+5.0	1.25	2.09	2.09	4.17	3.76	9.60	11.29	0.58	2.14	2.61	2.67	9.80	11.95	95	4.50	A	A+	4.21	6.23	2070	1.34
	1.5+2.5+2.5+6.0	1.15	1.92	1.92	4.61	4.04	9.60	11.53	0.57	2.06	2.53	2.62	9.43	11.60	95	4.67	A	A+	4.24	6.23	2054	1.33
	1.5+2.5+2.5+7.1	1.06	1.76	1.76	5.01	4.35	9.60	11.56	0.63	2.05	2.52	2.88	9.39	11.56	95	4.69	A	A+	4.28	6.23	2038	1.33
	1.5+2.5+3.5+3.5	1.31	2.18	3.05	3.05	3.62	9.60	11.16	0.58	2.21	2.60	2.67	10.12	11.91	95	4.35	A	A+	4.14	6.23	2104	1.35
	1.5+2.5+3.5+4.2	1.23	2.05	2.87	3.45	3.81	9.60	11.17	0.60	2.24	2.60	2.75	10.26	11.91	95	4.29	A	A+	4.15	6.23	2101	1.34
	1.5+2.5+3.5+5.0	1.15	1.92	2.69	3.84	4.04	9.60	11.29	0.63	2.13	2.60	2.88	9.75	11.91	95	4.52	A	A+	4.22	6.23	2066	1.33

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)				Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
4MXM80N2V1B	1.5+2.5+3.5+6.0	1.07	1.78	2.49	4.27	4.31	9.60	11.53	0.63	2.06	2.52	2.88	9.43	11.56	95	4.67	A	A+	4.45	6.23	1960	1.33
	1.5+2.5+4.2+4.2	1.16	1.94	3.25	3.25	4.01	9.60	11.18	0.65	2.25	2.59	2.97	10.30	11.86	95	4.28	A	A+	4.15	6.23	2099	1.34
	1.5+2.5+4.2+5.0	1.09	1.82	3.05	3.64	4.23	9.60	11.30	0.65	2.16	2.60	2.97	9.89	11.91	95	4.45	A	A+	4.20	6.23	2077	1.33
	1.5+2.5+4.2+6.0	1.01	1.69	2.84	4.06	4.51	9.60	11.54	0.66	2.06	2.52	3.01	9.43	11.56	95	4.67	A	A+	4.23	6.23	2061	1.32
	1.5+2.5+5.0+5.0	1.03	1.71	3.43	3.43	4.45	9.60	11.44	0.67	2.09	2.56	3.05	9.57	11.73	95	4.61	A	A+	4.26	6.23	2047	1.32
	1.5+3.5+3.5+3.5	1.20	2.80	2.80	2.80	3.90	9.60	11.17	0.62	2.21	2.60	2.84	10.12	11.91	95	4.35	A	A+	4.23	6.23	2062	1.31
	1.5+3.5+3.5+4.2	1.13	2.65	2.65	3.17	4.09	9.60	11.18	0.65	2.25	2.59	2.97	10.30	11.86	95	4.27	A	A+	4.24	6.23	2054	1.31
	1.5+3.5+3.5+5.0	1.07	2.49	2.49	3.56	4.31	9.60	11.30	0.67	2.13	2.60	3.05	9.75	11.91	95	4.52	A	A+	4.31	6.23	2021	1.30
	1.5+3.5+3.5+6.0	0.99	2.32	2.32	3.97	4.59	9.60	11.54	0.68	2.06	2.52	3.10	9.43	11.56	95	4.67	A	A+	4.35	6.23	2005	1.29
	1.5+3.5+4.2+4.2	1.07	2.51	3.01	3.01	4.28	9.60	11.18	0.69	2.25	2.59	3.14	10.30	11.86	95	4.28	A	A+	4.23	6.23	2058	1.31
	1.5+3.5+4.2+5.0	1.01	2.37	2.84	3.38	4.51	9.60	11.32	0.70	2.16	2.60	3.18	9.89	11.91	95	4.45	A	A+	4.30	6.23	2025	1.29
	1.5+4.2+4.2+4.2	1.02	2.86	2.86	2.86	4.48	9.60	11.19	0.71	2.23	2.59	3.27	10.21	11.86	95	4.32	A	A+	4.30	6.23	2026	1.30
	2.0+2.0+2.0+2.0	2.40	2.40	2.40	2.40	2.79	9.60	10.84	0.45	1.94	2.41	2.06	8.88	11.03	95	4.97	A	A+	4.55	6.23	1915	1.37
	2.0+2.0+2.0+2.5	2.26	2.26	2.26	2.82	2.94	9.60	10.93	0.49	2.35	2.42	2.24	10.76	11.08	95	4.09	A	A+	4.57	6.23	1908	1.37
	2.0+2.0+2.0+3.5	2.02	2.02	2.02	3.54	3.21	9.60	11.15	0.53	2.22	2.60	2.41	10.17	11.91	95	4.33	A	A++	4.60	6.23	1894	1.36
	2.0+2.0+2.0+4.2	1.88	1.88	1.88	3.95	3.41	9.60	11.16	0.55	2.21	2.60	2.50	10.12	11.91	95	4.35	A	A++	4.62	6.23	1887	1.36
	2.0+2.0+2.0+5.0	1.75	1.75	1.75	4.36	3.62	9.60	11.29	0.56	2.14	2.61	2.58	9.80	11.95	95	4.50	A	A++	4.69	6.23	1857	1.35
	2.0+2.0+2.0+6.0	1.60	1.60	1.60	4.80	3.90	9.60	11.53	0.55	2.06	2.53	2.54	9.43	11.60	95	4.67	A	A++	4.73	6.23	1843	1.34
	2.0+2.0+2.0+7.1	1.47	1.47	1.47	5.20	4.20	9.60	11.56	0.61	2.05	2.52	2.80	9.39	11.56	95	4.69	A	A++	4.77	6.23	1829	1.34
	2.0+2.0+2.5+2.5	2.13	2.13	2.67	2.67	3.07	9.60	11.14	0.51	2.22	2.61	2.32	10.17	11.95	95	4.33	A	A+	4.59	6.23	1900	1.37
	2.0+2.0+2.5+3.5	1.92	1.92	2.40	3.36	3.35	9.60	11.15	0.55	2.22	2.60	2.50	10.17	11.91	95	4.33	A	A++	4.62	6.23	1887	1.36
	2.0+2.0+2.5+4.2	1.79	1.79	2.24	3.77	3.54	9.60	11.16	0.56	2.21	2.60	2.58	10.12	11.91	95	4.35	A	A++	4.64	6.23	1880	1.35
	2.0+2.0+2.5+5.0	1.67	1.67	2.09	4.17	3.76	9.60	11.29	0.58	2.14	2.61	2.67	9.80	11.95	95	4.50	A	A++	4.71	6.23	1850	1.34
	2.0+2.0+2.5+6.0	1.54	1.54	1.92	4.61	4.04	9.60	11.53	0.57	2.06	2.53	2.62	9.43	11.60	95	4.67	A	A++	4.75	6.23	1836	1.34
	2.0+2.0+2.5+7.1	1.41	1.41	1.76	5.01	4.35	9.60	11.56	0.63	2.05	2.52	2.88	9.39	11.56	95	4.69	A	A++	4.78	6.23	1822	1.34
	2.0+2.0+3.5+3.5	1.75	1.75	3.05	3.05	3.62	9.60	11.16	0.58	2.21	2.60	2.67	10.12	11.91	95	4.35	A	A++	4.64	6.23	1879	1.35
	2.0+2.0+3.5+4.2	1.64	1.64	2.87	3.45	3.81	9.60	11.17	0.60	2.26	2.60	2.75	10.35	11.91	95	4.25	A	A++	4.65	6.23	1872	1.35
	2.0+2.0+3.5+5.0	1.54	1.54	2.69	3.84	4.04	9.60	11.29	0.63	2.13	2.60	2.88	9.75	11.91	95	4.52	A	A++	4.73	6.23	1843	1.34
	2.0+2.0+3.5+6.0	1.42	1.42	2.49	4.27	4.31	9.60	11.53	0.63	2.06	2.52	2.88	9.43	11.56	95	4.67	A	A++	4.77	6.23	1829	1.34
	2.0+2.0+4.2+4.2	1.55	1.55	3.25	3.25	4.01	9.60	11.18	0.62	2.25	2.59	2.84	10.30	11.86	95	4.28	A	A++	4.67	6.23	1865	1.35
	2.0+2.0+4.2+5.0	1.45	1.45	3.05	3.64	4.23	9.60	11.30	0.65	2.16	2.60	2.97	9.89	11.91	95	4.45	A	A++	4.75	6.23	1835	1.34
	2.0+2.0+4.2+6.0	1.35	1.35	2.84	4.06	4.51	9.60	11.54	0.66	2.06	2.52	3.01	9.43	11.56	95	4.67	A	A++	4.78	6.23	1822	1.33
	2.0+2.0+5.0+5.0	1.37	1.37	3.43	3.43	4.45	9.60	11.44	0.68	2.09	2.56	3.10	9.57	11.73	95	4.61	A	A++	4.77	6.23	1828	1.33
	2.0+2.5+2.5+2.5	2.02	2.53	2.53	2.53	3.21	9.60	11.14	0.53	2.22	2.61	2.41	10.17	11.95	95	4.33	A	A++	4.61	6.23	1892	1.35
	2.0+2.5+2.5+3.5	1.83	2.29	2.29	3.20	3.49	9.60	11.15	0.56	2.22	2.60	2.58	10.17	11.91	95	4.33	A	A++	4.64	6.23	1879	1.34
	2.0+2.5+2.5+4.2	1.71	2.14	2.14	3.60	3.68	9.60	11.16	0.58	2.26	2.60	2.67	10.35	11.91	95	4.25	A	A++	4.66	6.23	1872	1.34
	2.0+2.5+2.5+5.0	1.60	2.00	2.00	4.00	3.90	9.60	11.29	0.61	2.18	2.61	2.80	9.98	11.95	95	4.41	A	A++	4.73	6.23	1842	1.33
	2.0+2.5+2.5+6.0	1.48	1.85	1.85	4.43	4.17	9.60	11.53	0.61	2.06	2.53	2.80	9.43	11.60	95	4.67	A	A++	4.77	6.23	1828	1.32
	2.0+2.5+2.5+7.1	1.36	1.70	1.70	4.83	4.48	9.60	11.56	0.65	2.05	2.52	2.97	9.39	11.56	95	4.69	A	A++	4.80	6.23	1815	1.32
	2.0+2.5+3.5+3.5	1.67	2.09	2.92	2.92	3.76	9.60	11.16	0.60	2.25	2.60	2.75	10.30	11.91	95	4.27	A	A++	4.66	6.23	1871	1.34
	2.0+2.5+3.5+4.2	1.57	1.97	2.75	3.30	3.96	9.60	11.17	0.62	2.24	2.60	2.84	10.26	11.91	95	4.29	A	A++	4.67	6.23	1864	1.34
	2.0+2.5+3.5+5.0	1.48	1.85	2.58	3.69	4.17	9.60	11.29	0.65	2.16	2.60	2.97	9.89	11.91	95	4.45	A	A++	4.75	6.23	1835	1.32
	2.0+2.5+3.5+6.0	1.37	1.71	2.40	4.11	4.45	9.60	11.53	0.66	2.06	2.52	3.01	9.43	11.56	95	4.67	A	A++	4.79	6.23	1821	1.32
	2.0+2.5+4.2+4.2	1.49	1.86	3.13	3.13	4.15	9.60	11.18	0.65	2.23	2.59	2.97	10.21	11.86	95	4.32	A	A++	4.69	6.23	1857	1.33
	2.0+2.5+4.2+5.0	1.40	1.75	2.94	3.50	4.37	9.60	11.30	0.67	2.15	2.60	3.05	9.84	11.91	95	4.48	A	A++	4.77	6.23	1828	1.32
	2.0+2.5+5.0+5.0	1.32	1.66	3.31	3.31	4.59	9.60	11.44	0.70	2.12	2.56	3.18	9.71	11.73	95	4.53	A	A++	4.79	6.23	1821	1.32
	2.0+3.5+3.5+3.5	1.54	2.69	2.69	2.69	4.04	9.60	11.17	0.65	2.11	2.60	2.97	9.66	11.91	95	4.55	A	A++	4.66	6.23	1869	1.31
	2.0+3.5+3.5+4.2	1.45	2.55	2.55	3.05	4.23	9.60	11.18	0.67	2.25	2.59	3.05	10.30	11.86	95	4.28	A	A++	4.68	6.23	1862	1.30
	2.0+3.5+3.5+5.0	1.37	2.40	2.40	3.43	4.45	9.60	11.30	0.70	2.16	2.60	3.18	9.89	11.91	95	4.45	A	A++	4.76	6.23	1833	1.29
	2.0+3.5+4.2+4.2	1.38	2.42	2.90	2.90	4.43	9.60	11.18	0.71	2.23	2.59	3.27	10.21	11.86	95	4.32	A	A++	4.70	6.23	1855	1.30
	2.5+2.5+2.5+2.5	2.40	2.40	2.40	2.40	3.35	9.60	11.14	0.55	2.22	2.61	2.50	10.17	11.95	95	4.33	A	A++	4.62	6.23	1884	1.34
	2.5+2.5+2.5+3.5	2.18	2.18	2.18	3.05	3.62	9.60	11.15	0.58	2.26	2.60	2.67	10.35	11.91	95	4.25	A	A++	4.66	6.23	1871	1.34
	2.5+2.5+2.5+4.2	2.05	2.05	2.05	3.45	3.81	9.60	11.16	0.60	2.25	2.60	2.75	10.30	11.91	95	4.28	A	A++	4.68	6.23	1864	1.33
	2.5+2.5+2.5+5.0	1.92	1.92	1.92	3.84	4.04	9.60	11.29	0.63	2.16	2.61	2.88	9.89	11.95	95	4.45	A	A++	4.75	6.23	1835	1.32
	2.5+2.5+2.5+6.0	1.78	1.78	1.78	4.27	4.31	9.60	11.53	0.64	2.06	2.53	2.93	9.43	11.60	95	4.67	A	A++	4.79	6.23	1821	1.32
	2.5+2.5+3.5+3.5	2.00	2.00	2.80	2.80	3.90	9.60	11.16	0.63	2.25	2.60	2.88	10.30	11.91	95	4.28	A	A++	4.68	6.23	1863	1.33
	2.5+2.5+3.5+4.2	1.89	1.89	2.65	3.17	4.09	9.60	11.17	0.65	2.23	2.60	2.97	10.21	11.91	95	4.32	A	A++	4.69	6.23	1857	1.33
	2.5+2.5+3.5+5.0	1.78	1.78	2.49	3.56	4.31	9.60	11.29	0.67	2.15	2.60	3.05	9.84	11.91	95	4.48	A	A++	4.77	6.23	1828	1.32
	2.5+2.5+3.5+6.0	1.66	1.66	2.32	3.97	4.59	9.60	11.53	0.68	2.06	2.52	3.10	9.43	11.56	95	4.67	A	A++	4.80	6.23	1814	1.31
	2.5+2.5+4.2+4.2	1.79	1.79	3.01	3.01	4.28	9.60	11.18	0.67	2.21	2.59	3.05	10.12	11.86	95	4.35	A	A++	4.71	6.23	1850	1.32
	2.5+2.5+4.2+5.0	1.69	1.69	2.84	3.38	4.51	9.60	11.30	0.71	2.13	2.60	3.27	9.75	11.91	95	4.51	A	A++	4.79	6.23	1821	1.31
	2.5+3.5+3.5+3.5	1.85	2.58	2.58	2.58	4.17	9.60	11.17	0.67	2.25	2.60	3.05	10.30	11.91	95	4.28	A	A++	4.68	6.23	1861	1.30
	2.5+3.5+3.5+4.2	1.75	2.45	2.45	2.94	4.37	9.60	11.18	0.70	2.23	2.59	3.18	10.21	11.86	95	4.32	A	A++	4.70	6.23	1855	1.29
	2.5+3.5+3.5+5.0	1.66	2.32	2.32	3.31	4.59	9.60	11.30	0.71	2.15	2.60	3.27	9.84	11.91	95	4.48	A	A++	4.77	6.23	1826	1.28
	2.5+3.5+4.2+4.2	1.67	2.33	2.80	2.80	4.56	9.60	11.18	0.73	2.21	2.59	3.36	10.12	11.86	95	4.35	A	A++	4.72	6.23	1847	1.29
	3.5+3.5+3.5+3.5	2.40	2.40	2.40	2.40	4.45	9.60	11.18	0.71	2.19	2.59	3.27	10.03	11.86	95	4.40	A	A++	4.75	6.23	1835	1.29

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	E room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
5MXM90N2V1B	1.5	1.80	---	---	---	---	1.78	1.80	2.98	0.43	0.48	0.93	1.95	2.20	4.26	95	---	---	---	---	---	---	---
	2.0	2.00	---	---	---	---	1.86	2.00	3.09	0.44	0.56	0.99	2.00	2.57	4.53	95	---	---	---	---	---	---	---
	2.5	2.50	---	---	---	---	1.98	2.50	3.61	0.48	0.71	1.14	2.18	3.25	5.24	95	---	---	---	---	---	---	---
	3.5	3.50	---	---	---	---	2.03	3.50	4.92	0.50	1.14	1.43	2.31	5.22	6.53	95	---	---	---	---	---	---	---
	4.2	---	---	4.20	---	---	2.06	4.20	5.06	0.51	1.46	1.54	2.35	6.69	7.06	95	---	---	---	---	---	---	---
	5.0	---	---	5.00	---	---	2.20	5.00	5.94	0.48	1.52	1.74	2.18	6.96	7.95	95	---	---	---	---	---	---	---
	6.0	---	---	6.00	---	---	2.31	6.00	6.73	0.49	1.89	2.17	2.22	8.65	9.94	95	---	---	---	---	---	---	---
	7.1	---	---	7.10	---	---	2.43	7.10	7.53	0.51	2.57	2.66	2.35	11.77	12.16	95	---	---	---	---	---	---	---
	1.5+1.5	1.50	1.50	---	---	---	2.01	3.00	4.11	0.42	0.51	1.01	1.94	2.34	4.64	95	5.92	A	255	A++	7.08	3.0	149
	1.5+2.0	1.50	2.00	---	---	---	2.03	3.50	4.59	0.46	0.63	1.19	2.11	2.89	5.46	95	5.62	A	315	A++	7.22	3.5	170
	1.5+2.5	1.50	2.50	---	---	---	2.09	4.00	5.06	0.42	0.76	1.23	1.94	3.48	5.62	95	5.32	A	380	A++	7.31	4.0	192
	1.5+3.5	1.50	3.50	---	---	---	2.20	5.00	5.94	0.42	1.03	1.59	1.94	4.72	7.29	95	4.87	A	515	A++	7.45	5.0	235
	1.5+4.2	1.50	---	4.20	---	---	2.27	5.70	6.50	0.42	1.28	1.86	1.94	5.86	8.51	95	4.47	A	640	A++	7.45	5.7	268
	1.5+5.0	1.50	---	5.00	---	---	2.36	6.50	7.11	0.46	1.53	2.15	2.11	7.01	9.86	95	4.27	A	765	A++	7.51	6.5	303
	1.5+6.0	1.50	---	6.00	---	---	2.48	7.50	7.79	0.50	1.89	2.29	2.27	8.65	10.47	95	3.97	A	945	A++	7.45	7.5	352
	1.5+7.1	1.50	---	7.10	---	---	2.64	8.60	8.46	0.52	2.28	2.67	2.40	10.44	12.22	95	3.77	A	1140	A++	7.43	8.6	406
	2.0+2.0	2.00	2.00	---	---	---	2.09	4.00	5.41	0.46	0.75	1.59	2.11	3.44	7.29	95	5.34	A	375	A++	7.30	4.0	192
	2.0+2.5	2.00	2.50	---	---	---	2.14	4.50	5.84	0.46	0.91	1.59	2.11	4.17	7.29	95	4.99	A	455	A++	7.35	4.5	215
	2.0+3.5	2.00	3.50	---	---	---	2.25	5.50	6.49	0.46	1.18	1.86	2.11	5.41	8.51	95	4.67	A	590	A++	7.49	5.5	257
	2.0+4.2	2.00	---	4.20	---	---	2.33	6.20	6.89	0.46	1.43	2.09	2.11	6.55	9.57	95	4.35	A	715	A++	7.50	6.2	290
	2.0+5.0	2.00	---	5.00	---	---	2.42	7.00	7.46	0.46	1.66	2.31	2.11	7.60	10.55	95	4.22	A	830	A++	7.52	7.0	326
	2.0+6.0	1.88	---	5.63	---	---	2.55	7.50	8.12	0.50	1.85	2.50	2.27	8.47	11.45	95	4.05	A	925	A++	7.48	7.5	351
	2.0+7.1	1.76	---	6.24	---	---	2.71	8.00	8.64	0.52	2.00	2.79	2.40	9.16	12.75	95	4.01	A	1000	A++	7.49	8.0	374
	2.5+2.5	2.50	2.50	---	---	---	2.20	5.00	6.32	0.42	1.02	1.77	1.94	4.67	8.11	95	4.92	A	510	A++	7.46	5.0	235
	2.5+3.5	2.50	3.50	---	---	---	2.31	6.00	6.73	0.46	1.40	2.00	2.11	6.41	9.16	95	4.31	A	700	A++	7.48	6.0	281
	2.5+4.2	2.50	---	4.20	---	---	2.39	6.70	7.25	0.46	1.58	2.29	2.11	7.24	10.47	95	4.26	A	790	A++	7.55	6.7	311
	2.5+5.0	2.50	---	5.00	---	---	2.48	7.50	7.79	0.49	1.85	2.51	2.23	8.47	11.49	95	4.05	A	925	A++	7.46	7.5	352
	2.5+6.0	2.35	---	5.65	---	---	2.63	8.00	8.42	0.52	2.00	2.67	2.40	9.16	12.22	95	4.01	A	1000	A++	7.49	8.0	374
	2.5+7.1	2.21	---	6.29	---	---	2.79	8.50	8.64	0.55	2.17	2.79	2.53	9.94	12.75	95	3.93	A	1085	A++	7.47	8.5	398
	3.5+3.5	3.50	3.50	---	---	---	2.42	7.00	7.46	0.49	1.66	2.39	2.23	7.60	10.96	95	4.22	A	830	A++	7.53	7.0	326
	3.5+4.2	3.50	---	4.20	---	---	2.51	7.70	7.81	0.49	1.92	2.60	2.23	8.79	11.89	95	4.02	A	960	A++	7.48	7.7	360
	3.5+5.0	3.29	---	4.71	---	---	2.63	8.00	7.99	0.52	1.99	2.62	2.40	9.11	11.98	95	4.03	A	995	A++	7.46	8.0	375
	3.5+6.0	2.95	---	5.05	---	---	2.77	8.00	8.62	0.55	1.96	2.79	2.53	8.98	12.75	95	4.08	A	980	A++	7.47	8.0	375
	3.5+7.1	2.97	---	6.03	---	---	2.93	9.00	8.64	0.59	2.41	2.79	2.69	11.03	12.75	95	3.73	A	1205	A++	7.35	9.0	429
	4.2+4.2	4.00	---	4.00	---	---	2.61	8.00	7.82	0.52	2.07	2.60	2.36	9.48	11.89	95	3.87	A	1035	A++	7.42	8.0	377
	4.2+5.0	3.65	---	4.35	---	---	2.73	8.00	8.17	0.55	2.02	2.73	2.53	9.25	12.50	95	3.97	A	1010	A++	7.41	8.0	378
	4.2+6.0	3.50	---	5.00	---	---	2.88	8.50	8.63	0.55	2.21	2.79	2.53	10.12	12.75	95	3.85	A	1105	A++	7.38	8.5	404
	4.2+7.1	3.35	---	5.65	---	---	3.04	9.00	8.83	0.59	2.41	2.90	2.69	11.03	13.28	95	3.74	A	1205	A++	7.35	9.0	429
	5.0+5.0	4.25	---	4.25	---	---	2.85	8.50	8.34	0.55	2.10	2.84	2.53	9.62	12.99	95	4.05	A	1050	A++	7.49	8.5	397
	5.0+6.0	4.09	---	4.91	---	---	2.99	9.00	8.81	0.59	2.20	2.89	2.69	10.07	13.24	95	4.10	A	1100	A++	7.54	9.0	418
	5.0+7.1	3.72	---	5.28	---	---	3.16	9.00	9.06	0.62	2.17	3.02	2.82	9.94	13.81	95	4.15	A	1085	A++	7.55	9.0	417
	6.0+6.0	4.50	---	4.50	---	---	3.14	9.00	9.46	0.59	2.19	2.99	2.69	10.03	13.69	95	4.12	A	1095	A++	7.55	9.0	418
	6.0+7.1	4.12	---	4.88	---	---	3.30	9.00	9.48	0.63	2.16	2.99	2.86	9.89	13.69	95	4.17	A	1080	A++	7.56	9.0	417
	7.1+7.1	4.50	---	4.50	---	---	3.46	9.00	9.50	0.65	2.16	2.99	2.99	9.89	13.69	95	4.17	A	1080	A++	7.56	9.0	417
	1.5+1.5+1.5	1.50	1.50	1.50	---	---	2.14	4.50	5.51	0.43	0.83	1.24	1.98	3.80	5.66	95	5.42	A	415	A++	8.03	4.5	197
	1.5+1.5+2.0	1.50	1.50	2.00	---	---	2.20	5.00	5.94	0.43	0.96	1.40	1.98	4.40	6.39	95	5.24	A	480	A++	8.10	5.0	217
	1.5+1.5+2.5	1.50	1.50	2.50	---	---	2.25	5.50	6.34	0.43	1.09	1.57	1.98	4.99	7.17	95	5.06	A	545	A++	8.32	5.5	232
	1.5+1.5+3.5	1.50	1.50	3.50	---	---	2.36	6.50	7.11	0.46	1.38	1.93	2.11	6.32	8.84	95	4.71	A	690	A++	8.33	6.5	273
	1.5+1.5+4.2	1.50	1.50	4.20	---	---	2.44	7.20	7.60	0.46	1.61	2.18	2.11	7.37	9.98	95	4.49	A	805	A++	8.29	7.2	304
	1.5+1.5+5.0	1.41	1.41	4.69	---	---	2.55	7.50	8.12	0.50	1.75	2.41	2.27	8.01	11.04	95	4.30	A	875	A++	8.22	7.5	320
	1.5+1.5+6.0	1.33	1.33	5.33	---	---	2.70	8.00	8.70	0.53	1.96	2.51	2.44	8.98	11.49	95	4.08	A	980	A++	8.16	8.0	344
	1.5+1.5+7.1	1.26	1.26	5.98	---	---	2.86	8.50	9.25	0.56	2.20	2.87	2.57	10.07	13.12	95	3.86	A	1100	A++	8.09	8.5	368
	1.5+2.0+2.0	1.50	2.00	2.00	---	---	2.25	5.50	6.34	0.46	1.09	1.57	2.11	4.99	7.17	95	5.08	A	545	A++	8.30	5.5	232
	1.5+2.0+2.5	1.50	2.00	2.50	---	---	2.31	6.00	6.73	0.43	1.23	1.74	1.98	5.63	7.98	95	4.90	A	615	A++	8.30	6.0	253
	1.5+2.0+3.5	1.50	2.00	3.50	---	---	2.42	7.00	7.46	0.46	1.52	2.14	2.11	6.96	9.78	95	4.62	A	760	A++	8.32	7.0	295
	1.5+2.0+4.2	1.50	2.00	4.20	---	---	2.51	7.70	7.93	0.50	1.83	2.39	2.27	8.38	10.96	95	4.22	A	915	A++	8.23	7.7	328
	1.5+2.0+5.0	1.41	1.88	4.71	---	---	2.63	8.00	8.42	0.50	1.95	2.57	2.27	8.93	11.77	95	4.10	A	975	A++	8.14	8.0	344
	1.5+2.0+6.0	1.26	1.68	5.05	---	---	2.77	8.00	8.96	0.53	1.94	2.68	2.44	8.88	12.26	95	4.12	A	970	A++	8.14	8.0	344
	1.5+2.0+7.1	1.27	1.70	6.03	---	---	2.93	9.00	9.30	0.56	2.39	2.87	2.57	10.94	13.12	95	3.77	A	1195	A++	8.03	9.0	392
	1.5+2.5+2.5	1.50	2.50	2.50	---	---	2.36	6.50	7.11	0.46	1.39	1.93	2.11	6.37	8.84	95	4.70	A	695	A++	8.30	6.5	275
	1.5+2.5+3.5	1.50	2.50	3.50	---	---	2.48	7.50	7.79	0.50	1.72	2.29	2.27	7.88	10.47	95	4.37	A	860	A++	8.28	7.5	317
	1.5+2.5+4.2	1.46	2.44	4.10	---	---	2.58	8.00	8.24	0.50	1.99	2.56	2.27	9.11	11.73	95	4.02	A	995	A++	8.11	8.0	345
	1.5+2.5+5.0	1.33	2.22	4.44	---	---	2.70	8.00	8.70	0.52	1.95	2.75	2.40	8.93	12.59	95	4.10	A	975	A++	8.14	8.0	344
	1.5+2.5+6.0	1.28	2.13	5.10	---	---	2.85	8.50	9.21	0.53	2.20	2.87	2.44	10.07	13.12	95	3.86	A	1100	A++	8.09	8.5	368
	1.5+2.5+7.1	1.22	2.03	5.76	---	---	3.01	9.00	9.49	0.56	2.39	2.99	2.57	10.94	13.69	95	3.77	A	1195	A++	8.03	9.0	392
	1.5+3.5+3.5	1.41	3.29	3.29	---	---	2.63	8.00	8.42	0.52	2.00	2.67	2.40	9.16	12.22	95	4.00	A	1000	A++	8.11	8.0	346
	1.5+3.5+4.2	1.30	3.04	3.65	---	---	2.73	8.00	8.65	0.52	1.99	2.79	2.40	9.11	12.75	95	4.02	A	995	A++	8.10	8.0	346
	1.5+3.5+5.0	1.28	2.98	4.25	---	---	2.85	8.50	8.83	0.56	2.20	2.81	2.57	10.07	12.87	95	3.86	A	1100	A++	8.09	8.5	368
	1.5+3.5+6.0	1.23	2.86	4.91	---	---	2.99	9.00	9.29	0.56	2.39	2.87	2.57	10.94	13.12	95	3.77	A	1195	A++	8.03	9.0	392
	1.5+3.5+7.1	1.12	2.60	5.28	---	---	3.16	9.00	9.50	0.59	2.36	2.99	2.69	10.81	13.69	95	3.82	A	1180	A++	8.05	9.0	392
	1.5+4.2+4.2	1.50	---	4.20	4.20	---	2.83	9.90	8.66	0.55	2.45	2.79	2.53	11.22	12.75	95	4.04	A	1225	A++	8.26	9.9	419
	1.5+4.2+5.0	1.26	---	3.53	4.21	---	2.95	9.00	8.84	0.56	2.18	2.81	2.57	9.98	12.87	95	4.14	A	1090	A++	8.18	9.0	385
	1.5+4.2+6.0	1.15	---	3.23	4.62	---	3.10	9.00	9.49	0.59	2.15	2.99	2.69	9.84	13.69	95	4.19	A	1075	A++	8.19	9.0	385
	1.5+4.2+7.1	1.05	---	2.95	4.99	---	3.26	9.00	9.51	0.63	2.13	2.99	2.86	9.75	13.69	95	4.24	A	1065	A++	8.20	9.0	384
	1.5+5.0+5.0	1.17	---	3.91	3.91	---	3.07	9.00	9.20	0.59	2.04	2.95	2.69	9.34	13.52	95	4.42	A	1020	A++	8.21	9.0	384
	1.5+5.0+6.0	1.08	---	3.60	4.32	---	3.21	9.00	9.66	0.59	2.03	3.02	2.69	9.30	13.81	95	4.44	A	1015	A++	8.22	9.0	384
	1.5+5.0+7.1	0.99	---	3.31	4.70	---	3.38	9.00	9.68	0.63	2.01	3.02	2.86	9.20	13.81	95	4.49	A	1005	A++	8.22	9.0	383
	1.5+6.0+6.0	1.00	---	4.00	4.00	---	3.36	9.00	10.13	0.63	2.02	3.08	2.86	9.25	14.09	95	4.46	A	1010	A++	8.22	9.0	383
	1.5+6.0+7.1	1.19	---	3.58	4.23	---	3.51	9.00	10.15	0.65	2.00	3.08	2.99	9.16	14.09	95	4.51	A	1000	A++	8.23	9.0	383
	2.0+2.0+2.0	2.00	2.00	2.00	---	---	2.31	6.00	6.76	0.46	1.23	1.74	2.11	5.63	7.98	95	4.90	A	615	A++	8.30	6.0	253

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	E room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
5MXM90N2V1B	2.0+2.0+2.5	2.00	2.00	2.50	---	---	2.36	6.50	7.11	0.46	1.39	1.93	2.11	6.37	8.84	95	4.70	A	695	A++	8.30	6.5	275
	2.0+2.0+3.5	2.00	2.00	3.50	---	---	2.48	7.50	7.79	0.50	1.72	2.29	2.27	7.88	10.47	95	4.37	A	860	A++	8.28	7.5	317
	2.0+2.0+4.2	2.00	2.00	4.20	---	---	2.58	8.20	8.24	0.50	2.04	2.56	2.27	9.34	11.73	95	4.02	A	1020	A++	8.13	8.2	353
	2.0+2.0+5.0	1.78	1.78	4.44	---	---	2.70	8.00	8.70	0.52	1.95	2.75	2.40	8.93	12.59	95	4.10	A	975	A++	8.14	8.0	344
	2.0+2.0+6.0	1.70	1.70	5.10	---	---	2.85	8.50	9.21	0.53	2.20	2.87	2.44	10.07	13.12	95	3.86	A	1100	A++	8.08	8.5	368
	2.0+2.0+7.1	1.62	1.62	5.76	---	---	3.01	9.00	9.49	0.56	2.36	2.99	2.57	10.81	13.69	95	3.82	A	1180	A++	8.04	9.0	392
	2.0+2.5+2.5	2.00	2.50	2.50	---	---	2.42	7.00	7.46	0.46	1.52	2.14	2.11	6.96	9.78	95	4.62	A	760	A++	8.32	7.0	295
	2.0+2.5+3.5	1.88	2.34	3.28	---	---	2.55	7.50	8.12	0.50	1.72	2.50	2.27	7.88	11.45	95	4.38	A	860	A++	8.28	7.5	317
	2.0+2.5+4.2	1.84	2.30	3.86	---	---	2.66	8.00	8.53	0.52	1.99	2.73	2.40	9.11	12.50	95	4.03	A	995	A++	8.11	8.0	345
	2.0+2.5+5.0	1.68	2.11	4.21	---	---	2.77	8.00	8.82	0.52	1.95	2.80	2.40	8.93	12.83	95	4.11	A	975	A++	8.14	8.0	344
	2.0+2.5+6.0	1.66	2.07	4.97	---	---	2.92	8.70	9.28	0.56	2.29	2.87	2.57	10.49	13.12	95	3.80	A	1145	A++	8.05	8.7	378
	2.0+2.5+7.1	1.55	1.94	5.51	---	---	3.08	9.00	9.49	0.59	2.35	2.99	2.69	10.76	13.69	95	3.83	A	1175	A++	8.05	9.0	392
	2.0+3.5+3.5	1.78	3.11	3.11	---	---	2.70	8.00	8.64	0.52	1.98	2.79	2.40	9.07	12.75	95	4.04	A	990	A++	8.12	8.0	345
	2.0+3.5+4.2	1.75	3.07	3.68	---	---	2.80	8.50	8.65	0.55	2.17	2.79	2.53	9.94	12.75	95	3.93	A	1085	A++	8.07	8.5	369
	2.0+3.5+5.0	1.66	2.90	4.14	---	---	2.92	8.70	8.83	0.56	2.28	2.81	2.57	10.44	12.87	95	3.82	A	1140	A++	8.04	8.7	379
	2.0+3.5+6.0	1.57	2.74	4.70	---	---	3.07	9.00	9.48	0.59	2.35	2.99	2.69	10.76	13.69	95	3.83	A	1175	A++	8.05	9.0	392
	2.0+3.5+7.1	1.43	2.50	5.07	---	---	3.23	9.00	9.50	0.63	2.32	2.99	2.86	10.62	13.69	95	3.88	A	1160	A++	8.06	9.0	391
	2.0+4.2+4.2	1.67	---	3.51	3.51	---	2.91	8.70	8.66	0.55	2.24	2.79	2.53	10.26	12.75	95	3.89	A	1120	A++	8.06	8.7	378
	2.0+4.2+5.0	1.61	---	3.38	4.02	---	3.02	9.00	9.02	0.59	2.36	2.93	2.69	10.81	13.40	95	3.81	A	1180	A++	8.03	9.0	392
	2.0+4.2+6.0	1.48	---	3.10	4.43	---	3.17	9.00	9.49	0.59	2.33	2.99	2.69	10.67	13.69	95	3.86	A	1165	A++	8.05	9.0	392
	2.0+4.2+7.1	1.35	---	2.84	4.80	---	3.33	9.00	9.51	0.63	2.30	2.99	2.86	10.53	13.69	95	3.91	A	1150	A++	8.06	9.0	391
	2.0+5.0+5.0	1.50	---	3.75	3.75	---	3.14	9.00	9.20	0.59	2.22	2.95	2.69	10.17	13.52	95	4.06	A	1110	A++	8.09	9.0	390
	2.0+5.0+6.0	1.38	---	3.46	4.15	---	3.29	9.00	9.66	0.63	2.19	3.02	2.86	10.03	13.81	95	4.11	A	1095	A++	8.10	9.0	389
	2.0+5.0+7.1	1.28	---	3.19	4.53	---	3.45	9.00	9.68	0.65	2.17	3.02	2.99	9.94	13.81	95	4.16	A	1085	A++	8.11	9.0	388
	2.0+6.0+6.0	1.29	---	3.86	3.86	---	3.43	9.00	10.13	0.63	2.18	3.08	2.86	9.98	14.09	95	4.13	A	1090	A++	8.11	9.0	389
	2.0+6.0+7.1	1.19	---	3.58	4.23	---	3.59	9.00	10.61	0.65	2.16	3.56	2.99	9.89	16.29	95	4.18	A	1080	A++	8.12	9.0	388
	2.5+2.5+2.5	2.50	2.50	2.50	---	---	2.48	7.50	7.79	0.50	1.71	2.29	2.27	7.83	10.47	95	4.39	A	855	A++	8.28	7.5	317
	2.5+2.5+3.5	2.35	2.35	3.29	---	---	2.63	8.00	8.42	0.52	1.98	2.67	2.40	9.07	12.22	95	4.05	A	990	A++	8.13	8.0	345
	2.5+2.5+4.2	2.17	2.17	3.65	---	---	2.73	8.00	8.64	0.52	1.97	2.79	2.40	9.02	12.75	95	4.07	A	985	A++	8.14	8.0	344
	2.5+2.5+5.0	2.13	2.13	4.25	---	---	2.85	8.50	8.82	0.56	2.20	2.80	2.57	10.07	12.83	95	3.87	A	1100	A++	8.07	8.5	369
	2.5+2.5+6.0	2.05	2.05	4.91	---	---	2.99	9.00	9.28	0.56	2.35	2.87	2.57	10.76	13.12	95	3.83	A	1175	A++	8.05	9.0	391
	2.5+2.5+7.1	1.86	1.86	5.28	---	---	3.16	9.00	9.49	0.59	2.32	2.99	2.69	10.62	13.69	95	3.88	A	1160	A++	8.07	9.0	391
	2.5+3.5+3.5	2.11	2.95	2.95	---	---	2.77	8.00	8.64	0.55	1.96	2.79	2.53	8.98	12.75	95	4.08	A	980	A++	8.14	8.0	344
	2.5+3.5+4.2	2.08	2.92	3.50	---	---	2.88	8.50	8.65	0.55	2.19	2.79	2.53	10.03	12.75	95	3.88	A	1095	A++	8.09	8.5	368
	2.5+3.5+5.0	2.05	2.86	4.09	---	---	2.99	9.00	8.83	0.59	2.33	2.81	2.69	10.67	12.87	95	3.87	A	1165	A++	8.05	9.0	392
	2.5+3.5+6.0	1.88	2.63	4.50	---	---	3.14	9.00	9.48	0.59	2.30	2.99	2.69	10.53	13.69	95	3.92	A	1150	A++	8.06	9.0	391
	2.5+3.5+7.1	1.72	2.40	4.88	---	---	3.30	9.00	9.50	0.63	2.27	2.99	2.86	10.39	13.69	95	3.97	A	1135	A++	8.07	9.0	390
	2.5+4.2+4.2	2.06	---	3.47	3.47	---	2.98	9.00	8.61	0.59	2.41	2.79	2.69	11.03	12.75	95	3.74	A	1205	A++	8.01	9.0	394
	2.5+4.2+5.0	1.92	---	3.23	3.85	---	3.10	9.00	9.02	0.59	2.35	2.93	2.69	10.76	13.40	95	3.84	A	1175	A++	7.99	9.0	394
	2.5+4.2+6.0	1.77	---	2.98	4.25	---	3.24	9.00	9.49	0.63	2.32	2.99	2.86	10.62	13.69	95	3.89	A	1160	A++	8.01	9.0	394
	2.5+4.2+7.1	1.63	---	2.74	4.63	---	3.41	9.00	9.51	0.65	2.29	2.99	2.99	10.49	13.69	95	3.94	A	1145	A++	8.02	9.0	393
	2.5+5.0+5.0	1.80	---	3.60	3.60	---	3.21	9.00	9.20	0.62	2.21	3.00	2.82	10.12	13.73	95	4.08	A	1105	A++	8.10	9.0	389
	2.5+5.0+6.0	1.67	---	3.33	4.00	---	3.36	9.00	9.66	0.63	2.18	3.02	2.86	9.98	13.81	95	4.13	A	1090	A++	8.11	9.0	388
	2.5+5.0+7.1	1.54	---	3.08	4.38	---	3.51	9.00	9.68	0.65	2.16	3.02	2.99	9.89	13.81	95	4.18	A	1080	A++	8.12	9.0	388
	2.5+6.0+6.0	1.55	---	3.72	3.72	---	3.50	9.00	10.13	0.65	2.17	3.08	2.99	9.94	14.09	95	4.15	A	1085	A++	8.12	9.0	388
	2.5+6.0+7.1	1.44	---	3.46	4.10	---	3.66	9.00	10.61	0.65	2.15	3.56	2.99	9.84	16.29	95	4.20	A	1075	A++	8.13	9.0	388
	3.5+3.5+3.5	2.90	2.90	2.90	---	---	2.92	8.70	8.77	0.59	2.23	2.90	2.69	10.21	13.28	95	3.91	A	1115	A++	8.05	8.7	378
	3.5+3.5+4.2	2.81	2.81	3.38	---	---	3.02	9.00	8.83	0.59	2.40	2.90	2.69	10.99	13.28	95	3.76	A	1200	A++	7.98	9.0	395
	3.5+3.5+5.0	2.63	2.63	3.75	---	---	3.14	9.00	9.02	0.62	2.33	2.95	2.82	10.67	13.52	95	3.86	A	1165	A++	7.97	9.0	395
	3.5+3.5+6.0	2.42	2.42	4.15	---	---	3.29	9.00	9.49	0.63	2.30	2.99	2.86	10.53	13.69	95	3.91	A	1150	A++	7.99	9.0	395
	3.5+3.5+7.1	2.23	2.23	4.53	---	---	3.45	9.00	9.51	0.65	2.28	2.99	2.99	10.44	13.69	95	3.96	A	1140	A++	8.00	9.0	394
	3.5+4.2+4.2	2.65	---	3.18	3.18	---	3.13	9.00	8.97	0.62	2.38	2.90	2.82	10.90	13.28	95	3.78	A	1190	A++	7.99	9.0	394
	3.5+4.2+5.0	2.48	---	2.98	3.54	---	3.24	9.00	9.18	0.62	2.32	2.93	2.82	10.62	13.40	95	3.88	A	1160	A++	7.98	9.0	395
	3.5+4.2+6.0	2.30	---	2.76	3.94	---	3.39	9.00	9.50	0.65	2.29	2.99	2.99	10.49	13.69	95	3.93	A	1145	A++	7.99	9.0	394
	3.5+4.2+7.1	2.13	---	2.55	4.32	---	3.54	9.00	10.01	0.69	2.26	3.52	3.16	10.35	16.09	95	3.98	A	1130	A++	8.00	9.0	394
	3.5+5.0+5.0	2.33	---	3.33	3.33	---	3.36	9.00	9.20	0.65	2.19	2.98	2.99	10.03	13.65	95	4.12	A	1095	A++	8.11	9.0	388
	3.5+5.0+6.0	2.17	---	3.10	3.72	---	3.50	9.00	9.67	0.65	2.16	3.02	2.99	9.89	13.81	95	4.17	A	1080	A++	8.13	9.0	388
	3.5+5.0+7.1	2.02	---	2.88	4.10	---	3.66	9.00	10.14	0.69	2.14	3.48	3.16	9.80	15.93	95	4.22	A	1070	A++	8.14	9.0	387
	3.5+6.0+6.0	2.03	---	3.48	3.48	---	3.65	9.00	10.59	0.65	2.15	3.56	2.99	9.84	16.29	95	4.19	A	1075	A++	8.13	9.0	388
	4.2+4.2+4.2	3.00	---	3.00	3.00	---	3.23	9.00	9.18	0.65	2.37	2.91	2.99	10.85	13.32	95	3.80	A	1185	A++	8.00	9.0	394
	4.2+4.2+5.0	2.82	---	2.82	3.36	---	3.35	9.00	9.26	0.65	2.31	2.93	2.99	10.58	13.40	95	3.90	A	1155	A++	7.99	9.0	395
	4.2+4.2+6.0	2.63	---	2.63	3.75	---	3.48	9.00	9.51	0.65	2.28	2.99	2.99	10.44	13.69	95	3.95	A	1140	A++	8.00	9.0	394
	4.2+4.2+7.1	2.44	---	2.44	4.12	---	3.65	9.00	10.02	0.69	2.25	3.52	3.16	10.30	16.09	95	4.00	A	1125	A++	8.01	9.0	394
	4.2+5.0+5.0	2.66	---	3.17	3.17	---	3.46	9.00	9.21	0.68	2.30	2.95	3.12	10.53	13.52	95	3.92	A	1150	A++	7.99	9.0	394
	4.2+5.0+6.0	2.49	---	2.96	3.55	---	3.60	9.00	10.18	0.69	2.27	3.54	3.16	10.39	16.21	95	3.97	A	1135	A++	8.00	9.0	394
	5.0+5.0+5.0	3.00	---	3.00	3.00	---	3.57	9.00	9.98	0.69	2.29	3.62	3.16	10.49	16.58	95	3.94	A	1145	A++	8.00	9.0	394
	1.5+1.5+1.5+1.5	1.50	1.50	1.50	1.50	---	2.31	6.00	6.73	0.44	1.25	1.44	2.02	5.73	6.60	95	4.82	A	625	A++	8.33	6.0	252
	1.5+1.5+1.5+2.0	1.50	1.50	1.50	2.00	---	2.36	6.50	7.11	0.47	1.38	1.62	2.15	6.32	7.41	95	4.72	A	690	A++	8.44	6.5	270
	1.5+1.5+1.5+2.5	1.50	1.50	1.50	2.50	---	2.42	7.00	7.46	0.47	1.50	1.76	2.15	6.87	8.06	95	4.68	A	750	A+++	8.57	7.0	286
	1.5+1.5+1.5+3.5	1.41	1.41	1.41	3.28	---	2.55	7.50	8.12	0.50	1.63	2.06	2.27	7.46	9.45	95	4.62	A	815	A+++	8.58	7.5	306
	1.5+1.5+1.5+4.2	1.38	1.38	1.38	3.86	---	2.66	8.00	8.53	0.50	1.94	2.39	2.27	8.88	10.96	95	4.12	A	970	A++	8.38	8.0	335
	1.5+1.5+1.5+5.0	1.26	1.26	1.26	4.21	---	2.77	8.00	8.96	0.53	1.90	2.58	2.44	8.70	11.81	95	4.22	A	950	A++	8.37	8.0	335
	1.5+1.5+1.5+6.0	1.24	1.24	1.24	4.97	---	2.92	8.70	9.44	0.53	2.34	2.63	2.44	10.71	12.02	95	3.72	A	1170	A++	8.15	8.7	374
	1.5+1.5+1.5+7.1	1.16	1.16	1.16	5.51	---	3.08	9.00	9.86	0.56	2.39	2.88	2.57	10.94	13.20	95	3.77	A	1195	A++	8.20	9.0	385
	1.5+1.5+2.0+2.0	1.50	1.50	2.00	2.00	---	2.42	7.00	7.46	0.47	1.50	1.76	2.15	6.87	8.06	95	4.68	A	750	A+++	8.57	7.0	286
	1.5+1.5+2.0+2.5	1.50	1.50	2.00	2.50	---	2.48	7.50	7.79	0.47	1.63	1.91	2.15	7.46	8.76	95	4.61	A	815	A+++	8.57	7.5	307
	1.5+1.5+2.0+3.5	1.41	1.41	1.88	3.29	---	2.63	8.00	8.42	0.50	1.94	2.23	2.27	8.88	10.18	95	4.12	A	970	A++	8.38	8.0	335
	1.5+1.5+2.0+4.2	1.30	1.30	1.74	3.65	---	2.73	8.00	8.80	0.53	1.94	2.56	2.44	8.88	11.73	95	4.14	A	970	A++	8.38	8.0	334
	1.5+1.5+2.0+5.0	1.28	1.28	1.70	4.25	---	2.85	8.50	9.21	0.53	2.23	2.77	2.44	10.21	12.67	95	3.82	A	1115	A++	8.20	8.5	363

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	E room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
5MXM90N2V1B	1.5+1.5+2.0+6.0	1.23	1.23	1.64	4.91	---	2.99	9.00	9.64	0.56	2.39	2.75	2.57	10.94	12.59	95	3.77	A	1195	A++	8.20	9.0	385
	1.5+1.5+2.0+7.1	1.12	1.12	1.49	5.28	---	3.16	9.00	10.04	0.60	2.36	3.02	2.74	10.81	13.81	95	3.82	A	1180	A++	8.21	9.0	384
	1.5+1.5+2.5+2.5	1.41	1.41	2.34	2.34	---	2.55	7.50	8.12	0.50	1.63	2.06	2.27	7.46	9.45	95	4.61	A	815	A+++	8.57	7.5	307
	1.5+1.5+2.5+3.5	1.33	1.33	2.22	3.11	---	2.70	8.00	8.70	0.53	1.94	2.51	2.44	8.88	11.49	95	4.14	A	970	A++	8.39	8.0	334
	1.5+1.5+2.5+4.2	1.31	1.31	2.19	3.68	---	2.80	8.50	9.06	0.53	2.25	2.74	2.44	10.30	12.55	95	3.78	A	1125	A++	8.18	8.5	364
	1.5+1.5+2.5+5.0	1.24	1.24	2.07	4.14	---	2.92	8.70	9.44	0.56	2.33	2.89	2.57	10.67	13.24	95	3.74	A	1165	A++	8.16	8.7	373
	1.5+1.5+2.5+6.0	1.17	1.17	1.96	4.70	---	3.07	9.00	9.83	0.56	2.43	2.88	2.57	11.13	13.20	95	3.71	A	1215	A++	8.15	9.0	387
	1.5+1.5+2.5+7.1	1.07	1.07	1.79	5.07	---	3.23	9.00	10.16	0.60	2.40	3.08	2.74	10.99	14.09	95	3.76	A	1200	A++	8.17	9.0	386
	1.5+1.5+3.5+3.5	1.28	1.28	2.98	2.98	---	2.85	8.50	9.21	0.53	2.25	2.80	2.44	10.30	12.83	95	3.78	A	1125	A++	8.18	8.5	364
	1.5+1.5+3.5+4.2	1.26	1.26	2.94	3.53	---	2.95	9.00	9.32	0.56	2.47	2.87	2.57	11.31	13.12	95	3.65	A	1235	A++	8.13	9.0	388
	1.5+1.5+3.5+5.0	1.17	1.17	2.74	3.91	---	3.07	9.00	9.68	0.59	2.40	3.02	2.69	10.99	13.81	95	3.75	A	1200	A++	8.13	9.0	388
	1.5+1.5+3.5+6.0	1.08	1.08	2.52	4.32	---	3.21	9.00	10.15	0.59	2.37	3.08	2.69	10.85	14.09	95	3.80	A	1185	A++	8.15	9.0	387
	1.5+1.5+3.5+7.1	0.99	0.99	2.32	4.70	---	3.38	9.00	10.17	0.63	2.34	3.08	2.86	10.71	14.09	95	3.85	A	1170	A++	8.16	9.0	386
	1.5+1.5+4.2+4.2	1.18	1.18	3.32	3.32	---	3.05	9.00	9.52	0.59	2.45	2.99	2.69	11.22	13.69	95	3.67	A	1225	A++	8.14	9.0	387
	1.5+1.5+4.2+5.0	1.11	1.11	3.10	3.69	---	3.17	9.00	9.69	0.59	2.39	3.02	2.69	10.94	13.81	95	3.77	A	1195	A++	8.14	9.0	387
	1.5+1.5+4.2+6.0	1.02	1.02	2.86	4.09	---	3.32	9.00	10.16	0.60	2.36	3.08	2.74	10.81	14.09	95	3.82	A	1180	A++	8.15	9.0	387
	1.5+1.5+4.2+7.1	0.94	0.94	2.64	4.47	---	3.47	9.00	10.18	0.63	2.33	3.08	2.86	10.67	14.09	95	3.87	A	1165	A++	8.17	9.0	386
	1.5+1.5+5.0+5.0	1.04	1.04	3.46	3.46	---	3.29	9.00	9.87	0.63	2.24	3.04	2.86	10.26	13.93	95	4.02	A	1120	A++	8.19	9.0	385
	1.5+1.5+5.0+6.0	0.96	0.96	3.21	3.86	---	3.43	9.00	10.34	0.63	2.21	3.11	2.86	10.12	14.22	95	4.07	A	1105	A++	8.20	9.0	384
	1.5+1.5+5.0+7.1	0.89	0.89	2.98	4.23	---	3.59	9.00	10.67	0.65	2.19	3.45	2.99	10.03	15.80	95	4.12	A	1095	A++	8.21	9.0	384
	1.5+1.5+6.0+6.0	0.90	0.90	3.60	3.60	---	3.57	9.00	10.66	0.63	2.20	3.10	2.86	10.07	14.17	95	4.09	A	1100	A++	8.21	9.0	384
	1.5+2.0+2.0+2.0	1.50	2.00	2.00	2.00	---	2.48	7.50	7.79	0.47	1.63	1.91	2.15	7.46	8.76	95	4.61	A	815	A+++	8.57	7.5	307
	1.5+2.0+2.0+2.5	1.41	1.88	1.88	2.34	---	2.55	7.50	8.12	0.50	1.62	2.06	2.27	7.42	9.45	95	4.63	A	810	A++	8.44	7.5	311
	1.5+2.0+2.0+3.5	1.33	1.78	1.78	3.11	---	2.70	8.00	8.70	0.53	1.94	2.34	2.44	8.88	10.71	95	4.14	A	970	A++	8.39	8.0	334
	1.5+2.0+2.0+4.2	1.31	1.75	1.75	3.68	---	2.80	8.50	9.06	0.53	2.25	2.74	2.44	10.30	12.55	95	3.78	A	1125	A++	8.18	8.5	364
	1.5+2.0+2.0+5.0	1.24	1.66	1.66	4.14	---	2.92	8.70	9.44	0.56	2.34	2.89	2.57	10.71	13.24	95	3.72	A	1170	A++	8.15	8.7	374
	1.5+2.0+2.0+6.0	1.17	1.57	1.57	4.70	---	3.07	9.00	9.83	0.56	2.43	2.88	2.57	11.13	13.20	95	3.71	A	1215	A++	8.15	9.0	387
	1.5+2.0+2.0+7.1	1.07	1.43	1.43	5.07	---	3.23	9.00	10.16	0.60	2.40	3.08	2.74	10.99	14.09	95	3.76	A	1200	A++	8.17	9.0	386
	1.5+2.0+2.5+2.5	1.41	1.88	2.35	2.35	---	2.63	8.00	8.42	0.50	1.95	2.23	2.27	8.93	10.18	95	4.10	A	975	A++	8.35	8.0	336
	1.5+2.0+2.5+3.5	1.26	1.68	2.11	2.95	---	2.77	8.00	8.96	0.53	1.94	2.69	2.44	8.88	12.30	95	4.14	A	970	A++	8.37	8.0	335
	1.5+2.0+2.5+4.2	1.25	1.67	2.08	3.50	---	2.88	8.50	9.30	0.56	2.24	2.87	2.57	10.26	13.12	95	3.80	A	1120	A++	8.17	8.5	364
	1.5+2.0+2.5+5.0	1.23	1.64	2.05	4.09	---	2.99	9.00	9.49	0.56	2.44	2.89	2.57	11.17	13.24	95	3.69	A	1220	A++	8.14	9.0	387
	1.5+2.0+2.5+6.0	1.13	1.50	1.88	4.50	---	3.14	9.00	10.01	0.59	2.41	3.01	2.69	11.03	13.77	95	3.74	A	1205	A++	8.16	9.0	386
	1.5+2.0+2.5+7.1	1.03	1.37	1.72	4.88	---	3.30	9.00	10.16	0.60	2.38	3.08	2.74	10.90	14.09	95	3.79	A	1190	A++	8.17	9.0	386
	1.5+2.0+3.5+3.5	1.24	1.66	2.90	2.90	---	2.92	8.70	9.31	0.56	2.34	2.87	2.57	10.71	13.12	95	3.72	A	1170	A++	8.15	8.7	374
	1.5+2.0+3.5+4.2	1.21	1.61	2.81	3.38	---	3.02	9.00	9.51	0.56	2.45	2.99	2.57	11.22	13.69	95	3.67	A	1225	A++	8.14	9.0	387
	1.5+2.0+3.5+5.0	1.13	1.50	2.63	3.75	---	3.14	9.00	9.68	0.59	2.39	3.02	2.69	10.94	13.81	95	3.77	A	1195	A++	8.14	9.0	387
	1.5+2.0+3.5+6.0	1.04	1.38	2.42	4.15	---	3.29	9.00	10.15	0.59	2.36	3.08	2.69	10.81	14.09	95	3.82	A	1180	A++	8.15	9.0	387
	1.5+2.0+3.5+7.1	0.96	1.28	2.23	4.53	---	3.45	9.00	10.17	0.63	2.33	3.08	2.86	10.67	14.09	95	3.87	A	1165	A++	8.17	9.0	386
	1.5+2.0+4.2+4.2	1.13	1.51	3.18	3.18	---	3.13	9.00	9.52	0.59	2.44	2.99	2.69	11.17	13.69	95	3.69	A	1220	A++	8.15	9.0	387
	1.5+2.0+4.2+5.0	1.06	1.42	2.98	3.54	---	3.24	9.00	9.69	0.63	2.38	3.02	2.86	10.90	13.81	95	3.79	A	1190	A++	8.14	9.0	387
	1.5+2.0+4.2+6.0	0.99	1.31	2.76	3.94	---	3.39	9.00	10.16	0.63	2.35	3.08	2.86	10.76	14.09	95	3.84	A	1175	A++	8.16	9.0	386
	1.5+2.0+4.2+7.1	0.91	1.22	2.55	4.32	---	3.54	9.00	10.63	0.65	2.32	3.57	2.99	10.62	16.33	95	3.89	A	1160	A++	8.18	9.0	386
	1.5+2.0+5.0+5.0	1.00	1.33	3.33	3.33	---	3.36	9.00	9.87	0.63	2.26	3.04	2.86	10.35	13.93	95	3.99	A	1130	A++	8.19	9.0	385
	1.5+2.0+5.0+6.0	0.93	1.24	3.10	3.72	---	3.50	9.00	10.34	0.63	2.23	3.11	2.86	10.21	14.22	95	4.04	A	1115	A++	8.20	9.0	384
	1.5+2.0+5.0+7.1	0.87	1.15	2.88	4.10	---	3.66	9.00	10.71	0.65	2.20	3.45	2.99	10.07	15.80	95	4.09	A	1100	A++	8.22	9.0	384
	1.5+2.0+6.0+6.0	0.87	1.16	3.48	3.48	---	3.65	9.00	10.70	0.65	2.22	3.10	2.99	10.17	14.17	95	4.06	A	1110	A++	8.21	9.0	384
	1.5+2.5+2.5+2.5	1.33	2.22	2.22	2.22	---	2.70	8.00	8.70	0.53	1.94	2.39	2.44	8.88	10.96	95	4.14	A	970	A++	8.37	8.0	335
	1.5+2.5+2.5+3.5	1.28	2.13	2.13	2.98	---	2.85	8.50	9.21	0.53	2.24	2.87	2.44	10.26	13.12	95	3.80	A	1120	A++	8.17	8.5	364
	1.5+2.5+2.5+4.2	1.26	2.10	2.10	3.53	---	2.95	9.00	9.31	0.56	2.44	2.87	2.57	11.17	13.12	95	3.69	A	1220	A++	8.15	9.0	387
	1.5+2.5+2.5+5.0	1.17	1.96	1.96	3.91	---	3.07	9.00	9.68	0.59	2.38	3.02	2.69	10.90	13.81	95	3.79	A	1190	A++	8.14	9.0	387
	1.5+2.5+2.5+6.0	1.08	1.80	1.80	4.32	---	3.21	9.00	10.14	0.59	2.35	3.08	2.69	10.76	14.09	95	3.84	A	1175	A++	8.16	9.0	386
	1.5+2.5+2.5+7.1	0.99	1.65	1.65	4.70	---	3.38	9.00	10.16	0.63	2.32	3.08	2.86	10.62	14.09	95	3.89	A	1160	A++	8.18	9.0	386
	1.5+2.5+3.5+3.5	1.23	2.05	2.86	2.86	---	2.99	9.00	9.31	0.56	2.36	2.87	2.57	10.81	13.12	95	3.82	A	1180	A++	8.22	9.0	384
	1.5+2.5+3.5+4.2	1.15	1.92	2.69	3.23	---	3.10	9.00	9.51	0.59	2.35	2.99	2.69	10.76	13.69	95	3.84	A	1175	A++	8.22	9.0	383
	1.5+2.5+3.5+5.0	1.08	1.80	2.52	3.60	---	3.21	9.00	9.68	0.59	2.29	3.02	2.69	10.49	13.81	95	3.94	A	1145	A++	8.22	9.0	384
	1.5+2.5+3.5+6.0	1.00	1.67	2.33	4.00	---	3.36	9.00	10.15	0.63	2.26	3.08	2.86	10.35	14.09	95	3.99	A	1130	A++	8.23	9.0	383
	1.5+2.5+3.5+7.1	0.92	1.54	2.16	4.38	---	3.51	9.00	10.17	0.65	2.23	3.08	2.99	10.21	14.09	95	4.04	A	1115	A++	8.25	9.0	382
	1.5+2.5+4.2+4.2	1.09	1.81	3.05	3.05	---	3.20	9.00	9.52	0.59	2.33	2.99	2.69	10.67	13.69	95	3.86	A	1165	A++	8.23	9.0	383
	1.5+2.5+4.2+5.0	1.02	1.70	2.86	3.41	---	3.32	9.00	9.69	0.63	2.28	3.02	2.86	10.44	13.81	95	3.96	A	1140	A++	8.22	9.0	383
	1.5+2.5+4.2+6.0	0.95	1.58	2.66	3.80	---	3.46	9.00	10.16	0.63	2.25	3.08	2.86	10.30	14.09	95	4.01	A	1125	A++	8.24	9.0	383
	1.5+2.5+4.2+7.1	0.88	1.47	2.47	4.18	---	3.62	9.00	10.68	0.65	2.22	3.64	2.99	10.17	16.66	95	4.06	A	1110	A++	8.25	9.0	382
	1.5+2.5+5.0+5.0	0.96	1.61	3.21	3.21	---	3.20	9.00	9.52	0.59	2.26	2.99	2.69	10.35	13.69	95	3.98	A	1130	A++	8.23	9.0	383
	1.5+2.5+5.0+6.0	0.90	1.50	3.00	3.60	---	3.32	9.00	9.69	0.63	2.24	3.02	2.86	10.26	13.81	95	4.03	A	1120	A++	8.24	9.0	382
	1.5+3.5+3.5+3.5	1.13	2.63	2.63	2.63	---	3.14	9.00	9.51	0.59	2.35	2.99	2.69	10.76	13.69	95	3.84	A	1175	A++	8.21	9.0	384
	1.5+3.5+3.5+4.2	1.06	2.48	2.48	2.98	---	3.24	9.00	9.52	0.63	2.33	2.99	2.86	10.67	13.69	95	3.86	A	1165	A++	8.22	9.0	384
	1.5+3.5+3.5+5.0	1.00	2.33	2.33	3.33	---	3.36	9.00	9.69	0.63	2.28	3.02	2.86	10.44	13.81	95	3.96	A	1140	A++	8.21	9.0	384
	1.5+3.5+3.5+6.0	0.93	2.17	2.17	3.72	---	3.50	9.00	10.16	0.63	2.25	3.08	2.86	10.30	14.09	95	4.01	A	1125	A++	8.23	9.0	383
	1.5+3.5+3.5+7.1	0.87	2.02	2.02	4.10	---	3.66	9.00	10.71	0.65	2.22	3.71	2.99	10.17	16.99	95	4.06	A	1110	A++	8.24	9.0	383
	1.5+3.5+4.2+4.2	1.01	2.35	2.82	2.82	---	3.35	9.00	9.52	0.63	2.32	3.00	2.86	10.62	13.73	95	3.88	A	1160	A++	8.22	9.0	383
	1.5+3.5+4.2+5.0	0.95	2.22	2.66	3.17	---	3.46	9.00	9.70	0.65	2.26	3.02	2.99	10.35	13.81	95	3.98	A	1130	A++	8.22	9.0	384
	1.5+3.5+4.2+6.0	0.89	2.07	2.49	3.55	---	3.60	9.00	10.68	0.65	2.24	3.71	2.99	10.26	16.99	95	4.03	A	1120	A++	8.23	9.0	383
	1.5+3.5+5.0+5.0	0.90	2.10	3.00	3.00	---	3.57	9.00	10.47	0.65	2.25	3.73	2.99	10.30	17.07	95	4.00	A	1125	A++	8.22	9.0	383
	1.5+4.2+4.2+4.2	0.96	---	2.68	2.68	2.68	3.45	9.00	9.53	0.65	2.31	3.00	2.99	10.58	13.73	95	3.90	A	1155	A++	8.23	9.0	383
	1.5+4.2+4.2+5.0	0.91	---	2.54	2.54	3.02	3.56	9.00	10.29	0.65	2.25	3.69	2.99	10.30	16.90	95	4.00	A	1125	A++	8.22	9.0	383
	2.0+2.0+2.0+2.0	1.88	1.88	1.88	1.88	---	2.55	7.50	8.12	0.50	1.63	2.06	2.27	7.46	9.45	95	4.62	A	815	A+++	8.58	7.5	306
	2.0+2.0+2.0+2.5	1.88	1.88	1.88	2.35	---	2.63	8.00	8.42	0.50	1.90	2.23	2.27	8.70	10.18	95	4.22	A	950	A++	8.38	8.0	334
	2.0+2.0+2.0+3.5	1.68	1.68	1.68	2.95	---	2.77	8.00	8.96	0.53	1.89	2.51	2.44	8.65	11.49	95	4.24	A	945	A++	8.38	8.0	335
	2.0+2.0+2.0+4.2	1.67	1.67	1.67	3.50	---	2.88	8.50	9.30	0.56	2.33	2.87	2.57	10.67	13.12	95	3.65	A	1165	A++	8.02	8.5	371

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	E room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
5MXM90N2V1B	2.0+2.0+2.0+5.0	1.64	1.64	1.64	4.09	---	2.99	9.00	9.49	0.56	2.54	2.89	2.57	11.63	13.24	95	3.55	A	1270	A++	7.93	9.0	398
	2.0+2.0+2.0+6.0	1.50	1.50	1.50	4.50	---	3.14	9.00	10.01	0.60	2.50	3.01	2.74	11.45	13.77	95	3.60	A	1250	A++	7.96	9.0	396
	2.0+2.0+2.0+7.1	1.37	1.37	1.37	4.88	---	3.30	9.00	10.16	0.60	2.48	3.08	2.74	11.36	14.09	95	3.63	A	1240	A++	7.96	9.0	396
	2.0+2.0+2.5+2.5	1.73	1.73	2.17	2.17	---	2.70	7.80	8.70	0.53	1.81	2.39	2.44	8.29	10.96	95	4.32	A	905	A++	8.48	7.8	322
	2.0+2.0+2.5+3.5	1.70	1.70	2.13	2.98	---	2.85	8.50	9.21	0.53	2.33	2.87	2.44	10.67	13.12	95	3.65	A	1165	A++	8.02	8.5	371
	2.0+2.0+2.5+4.2	1.68	1.68	2.10	3.53	---	2.95	9.00	9.31	0.56	2.61	2.87	2.57	11.95	13.12	95	3.45	A	1305	A++	7.93	9.0	398
	2.0+2.0+2.5+5.0	1.57	1.57	1.96	3.91	---	3.07	9.00	9.68	0.59	2.54	3.02	2.69	11.63	13.81	95	3.55	A	1270	A++	7.93	9.0	397
	2.0+2.0+2.5+6.0	1.44	1.44	1.80	4.32	---	3.21	9.00	10.14	0.60	2.50	3.08	2.74	11.45	14.09	95	3.60	A	1250	A++	7.95	9.0	397
	2.0+2.0+2.5+7.1	1.32	1.32	1.65	4.70	---	3.38	9.00	10.16	0.63	2.47	3.08	2.86	11.31	14.09	95	3.65	A	1235	A++	7.97	9.0	396
	2.0+2.0+3.5+3.5	1.64	1.64	2.86	2.86	---	2.99	9.00	9.31	0.56	2.46	2.87	2.57	11.26	13.12	95	3.67	A	1230	A++	8.07	9.0	391
	2.0+2.0+3.5+4.2	1.54	1.54	2.69	3.23	---	3.10	9.00	9.51	0.59	2.44	2.99	2.69	11.17	13.69	95	3.69	A	1220	A++	8.07	9.0	391
	2.0+2.0+3.5+5.0	1.44	1.44	2.52	3.60	---	3.21	9.00	9.68	0.59	2.38	3.02	2.69	10.90	13.81	95	3.79	A	1190	A++	8.07	9.0	391
	2.0+2.0+3.5+6.0	1.33	1.33	2.33	4.00	---	3.36	9.00	10.15	0.63	2.35	3.08	2.86	10.76	14.09	95	3.84	A	1175	A++	8.08	9.0	390
	2.0+2.0+3.5+7.1	1.23	1.23	2.16	4.38	---	3.51	9.00	10.17	0.65	2.32	3.08	2.99	10.62	14.09	95	3.89	A	1160	A++	8.10	9.0	389
	2.0+2.0+4.2+4.2	1.45	1.45	3.05	3.05	---	3.20	9.00	9.52	0.59	2.43	2.99	2.69	11.13	13.69	95	3.71	A	1215	A++	8.08	9.0	390
	2.0+2.0+4.2+5.0	1.36	1.36	2.86	3.41	---	3.32	9.00	9.69	0.63	2.37	3.02	2.86	10.85	13.81	95	3.81	A	1185	A++	8.07	9.0	390
	2.0+2.0+4.2+6.0	1.27	1.27	2.66	3.80	---	3.46	9.00	10.16	0.63	2.33	3.08	2.86	10.67	14.09	95	3.86	A	1165	A++	8.09	9.0	390
	2.0+2.0+4.2+7.1	1.18	1.18	2.47	4.18	---	3.62	9.00	10.68	0.65	2.31	3.57	2.99	10.58	16.33	95	3.91	A	1155	A++	8.11	9.0	389
	2.0+2.0+5.0+5.0	1.29	1.29	3.21	3.21	---	3.43	9.00	9.87	0.63	2.35	3.04	2.86	10.76	13.93	95	3.83	A	1175	A++	8.08	9.0	390
	2.0+2.0+5.0+6.0	1.20	1.20	3.00	3.60	---	3.57	9.00	10.66	0.65	2.32	3.45	2.99	10.62	15.80	95	3.88	A	1160	A++	8.10	9.0	389
	2.0+2.5+2.5+2.5	1.68	2.11	2.11	2.11	---	2.77	8.00	8.96	0.53	1.89	2.51	2.44	8.65	11.49	95	4.24	A	945	A++	8.40	8.0	334
	2.0+2.5+2.5+3.5	1.66	2.07	2.07	2.90	---	2.92	8.70	9.30	0.56	2.39	2.87	2.57	10.94	13.12	95	3.65	A	1195	A++	8.03	8.7	379
	2.0+2.5+2.5+4.2	1.61	2.01	2.01	3.38	---	3.02	9.00	9.50	0.56	2.61	2.99	2.57	11.95	13.69	95	3.45	A	1305	A++	7.93	9.0	398
	2.0+2.5+2.5+5.0	1.50	1.88	1.88	3.75	---	3.14	9.00	9.68	0.59	2.54	3.02	2.69	11.63	13.81	95	3.55	A	1270	A++	7.93	9.0	397
	2.0+2.5+2.5+6.0	1.38	1.73	1.73	4.15	---	3.29	9.00	10.14	0.60	2.50	3.08	2.74	11.45	14.09	95	3.60	A	1250	A++	7.95	9.0	397
	2.0+2.5+2.5+7.1	1.28	1.60	1.60	4.53	---	3.45	9.00	10.16	0.63	2.47	3.08	2.86	11.31	14.09	95	3.65	A	1235	A++	7.97	9.0	396
	2.0+2.5+3.5+3.5	1.57	1.96	2.74	2.74	---	3.07	9.00	9.50	0.59	2.46	2.99	2.69	11.26	13.69	95	3.67	A	1230	A++	8.07	9.0	391
	2.0+2.5+3.5+4.2	1.48	1.84	2.58	3.10	---	3.17	9.00	9.51	0.59	2.44	2.99	2.69	11.17	13.69	95	3.69	A	1220	A++	8.07	9.0	391
	2.0+2.5+3.5+5.0	1.38	1.73	2.42	3.46	---	3.29	9.00	9.68	0.63	2.38	3.02	2.86	10.90	13.81	95	3.79	A	1190	A++	8.07	9.0	391
	2.0+2.5+3.5+6.0	1.29	1.61	2.25	3.86	---	3.43	9.00	10.15	0.63	2.35	3.08	2.86	10.76	14.09	95	3.84	A	1175	A++	8.08	9.0	390
	2.0+2.5+3.5+7.1	1.19	1.49	2.09	4.23	---	3.59	9.00	10.63	0.65	2.32	3.57	2.99	10.62	16.33	95	3.89	A	1160	A++	8.10	9.0	389
	2.0+2.5+4.2+4.2	1.40	1.74	2.93	2.93	---	3.27	9.00	9.52	0.63	2.43	2.99	2.86	11.13	13.69	95	3.71	A	1215	A++	8.08	9.0	390
	2.0+2.5+4.2+5.0	1.31	1.64	2.76	3.28	---	3.39	9.00	9.69	0.63	2.37	3.02	2.86	10.85	13.81	95	3.81	A	1185	A++	8.07	9.0	390
	2.0+2.5+4.2+6.0	1.22	1.53	2.57	3.67	---	3.53	9.00	10.62	0.65	2.33	3.56	2.99	10.67	16.29	95	3.86	A	1165	A++	8.09	9.0	390
	2.0+2.5+5.0+5.0	1.24	1.55	3.10	3.10	---	3.50	9.00	9.87	0.65	2.35	3.04	2.99	10.76	13.93	95	3.83	A	1175	A++	8.08	9.0	390
	2.0+2.5+5.0+6.0	1.16	1.45	2.90	3.48	---	3.65	9.00	10.70	0.65	2.32	3.52	2.99	10.62	16.13	95	3.88	A	1160	A++	8.10	9.0	389
	2.0+3.5+3.5+3.5	1.44	2.52	2.52	2.52	---	3.21	9.00	9.51	0.63	2.43	2.99	2.86	11.13	13.69	95	3.71	A	1215	A++	8.08	9.0	390
	2.0+3.5+3.5+4.2	1.36	2.39	2.39	2.86	---	3.32	9.00	9.52	0.63	2.42	2.99	2.86	11.08	13.69	95	3.73	A	1210	A++	8.08	9.0	390
	2.0+3.5+3.5+5.0	1.29	2.25	2.25	3.21	---	3.43	9.00	9.69	0.65	2.35	3.02	2.99	10.76	13.81	95	3.83	A	1175	A++	8.08	9.0	390
	2.0+3.5+3.5+6.0	1.20	2.10	2.10	3.60	---	3.57	9.00	10.61	0.65	2.32	3.57	2.99	10.62	16.33	95	3.88	A	1160	A++	8.10	9.0	389
	2.0+3.5+4.2+4.2	1.29	2.27	2.72	2.72	---	3.42	9.00	9.52	0.65	2.40	3.00	2.99	10.99	13.73	95	3.75	A	1200	A++	8.09	9.0	390
	2.0+3.5+4.2+5.0	1.22	2.14	2.57	3.06	---	3.53	9.00	10.20	0.65	2.34	3.55	2.99	10.71	16.25	95	3.85	A	1170	A++	8.09	9.0	390
	2.0+3.5+5.0+5.0	1.16	2.03	2.90	2.90	---	3.65	9.00	10.47	0.69	2.34	3.73	3.16	10.71	17.07	95	3.85	A	1170	A++	8.09	9.0	390
	2.0+4.2+4.2+4.2	1.23	---	2.59	2.59	2.59	3.51	9.00	9.53	0.65	2.39	3.00	2.99	10.94	13.73	95	3.77	A	1195	A++	8.10	9.0	389
	2.0+4.2+4.2+5.0	1.17	---	2.45	2.45	2.92	3.63	9.00	10.21	0.69	2.33	3.55	3.16	10.67	16.25	95	3.87	A	1165	A++	8.09	9.0	389
	2.5+2.5+2.5+2.5	2.13	2.13	2.13	2.13	---	2.85	8.50	9.21	0.53	2.28	2.87	2.44	10.44	13.12	95	3.73	A	1140	A++	8.07	8.5	369
	2.5+2.5+2.5+3.5	2.05	2.05	2.05	2.86	---	2.99	9.00	9.30	0.56	2.48	2.87	2.57	11.36	13.12	95	3.63	A	1240	A++	8.04	9.0	392
	2.5+2.5+2.5+4.2	1.92	1.92	1.92	3.23	---	3.10	9.00	9.50	0.59	2.47	2.99	2.69	11.31	13.69	95	3.65	A	1235	A++	8.05	9.0	392
	2.5+2.5+2.5+5.0	1.80	1.80	1.80	3.60	---	3.21	9.00	9.68	0.59	2.40	3.02	2.69	10.99	13.81	95	3.75	A	1200	A++	8.04	9.0	392
	2.5+2.5+2.5+6.0	1.67	1.67	1.67	4.00	---	3.36	9.00	10.14	0.63	2.37	3.08	2.86	10.85	14.09	95	3.80	A	1185	A++	8.06	9.0	391
	2.5+2.5+2.5+7.1	1.54	1.54	1.54	4.38	---	3.51	9.00	10.16	0.65	2.34	3.08	2.99	10.71	14.09	95	3.85	A	1170	A++	8.08	9.0	390
	2.5+2.5+3.5+3.5	1.88	1.88	2.63	2.63	---	3.14	9.00	9.50	0.59	2.47	2.99	2.69	11.31	13.69	95	3.65	A	1235	A++	8.05	9.0	392
	2.5+2.5+3.5+4.2	1.77	1.77	2.48	2.98	---	3.24	9.00	9.51	0.63	2.46	2.99	2.86	11.26	13.69	95	3.67	A	1230	A++	8.05	9.0	391
	2.5+2.5+3.5+5.0	1.67	1.67	2.33	3.33	---	3.36	9.00	9.68	0.63	2.39	3.02	2.86	10.94	13.81	95	3.77	A	1195	A++	8.05	9.0	391
	2.5+2.5+3.5+6.0	1.55	1.55	2.17	3.72	---	3.50	9.00	10.15	0.65	2.36	3.08	2.99	10.81	14.09	95	3.82	A	1180	A++	8.07	9.0	391
	2.5+2.5+3.5+7.1	1.44	1.44	2.02	4.10	---	3.66	9.00	10.63	0.65	2.33	3.57	2.99	10.67	16.33	95	3.87	A	1165	A++	8.09	9.0	390
	2.5+2.5+4.2+4.2	1.68	1.68	2.82	2.82	---	3.35	9.00	9.52	0.63	2.44	2.99	2.86	11.17	13.69	95	3.69	A	1220	A++	8.06	9.0	391
	2.5+2.5+4.2+5.0	1.58	1.58	2.66	3.17	---	3.46	9.00	9.69	0.65	2.38	3.02	2.99	10.90	13.81	95	3.79	A	1190	A++	8.06	9.0	391
	2.5+2.5+4.2+6.0	1.48	1.48	2.49	3.55	---	3.60	9.00	10.68	0.65	2.35	3.56	2.99	10.76	16.29	95	3.84	A	1175	A++	8.08	9.0	390
	2.5+2.5+5.0+5.0	1.50	1.50	3.00	3.00	---	3.57	9.00	10.46	0.65	2.37	3.72	2.99	10.85	17.03	95	3.81	A	1185	A++	8.07	9.0	391
	2.5+3.5+3.5+3.5	1.73	2.42	2.42	2.42	---	3.29	9.00	9.53	0.63	2.46	2.99	2.86	11.26	13.69	95	3.67	A	1230	A++	8.07	9.0	390
	2.5+3.5+3.5+4.2	1.64	2.30	2.30	2.76	---	3.39	9.00	9.52	0.65	2.44	2.99	2.99	11.17	13.69	95	3.69	A	1220	A++	8.08	9.0	390
	2.5+3.5+3.5+5.0	1.55	2.17	2.17	3.10	---	3.50	9.00	9.69	0.65	2.38	3.02	2.99	10.90	13.81	95	3.79	A	1190	A++	8.07	9.0	390
	2.5+3.5+3.5+6.0	1.45	2.03	2.03	3.48	---	3.65	9.00	10.61	0.65	2.35	3.57	2.99	10.76	16.33	95	3.84	A	1175	A++	8.09	9.0	390
	2.5+3.5+4.2+4.2	1.56	2.19	2.63	2.63	---	3.48	9.00	9.52	0.65	2.43	3.00	2.99	11.13	13.73	95	3.71	A	1215	A++	8.08	9.0	390
	2.5+3.5+4.2+5.0	1.48	2.07	2.49	2.96	---	3.60	9.00	10.20	0.69	2.37	3.55	3.16	10.85	16.25	95	3.81	A	1185	A++	8.08	9.0	390
	2.5+4.2+4.2+4.2	1.49	2.50	2.50	2.50	---	3.59	9.00	10.03	0.69	2.42	3.52	3.16	11.08	16.09	95	3.73	A	1210	A++	8.09	9.0	390
	3.5+3.5+3.5+3.5	2.25	2.25	2.25	2.25	---	3.43	9.00	9.51	0.65	2.44	2.99	2.99	11.17	13.69	95	3.69	A	1220	A++	8.08	9.0	390
	3.5+3.5+3.5+4.2	2.14	2.14	2.14	2.57	---	3.53	9.00	10.02	0.69	2.43	3.52	3.16	11.13	16.09	95	3.71	A	1215	A++	8.08	9.0	390
	3.5+3.5+3.5+5.0	2.03	2.03	2.03	2.90	---	3.65	9.00	10.15	0.69	2.37	3.48	3.16	10.85	15.93	95	3.81	A	1185	A++	8.08	9.0	390
	3.5+3.5+4.2+4.2	2.05	2.05	2.45	2.45	---	3.63	9.00	10.03	0.69	2.42	3.52	3.16	11.08	16.09	95	3.73	A	1210	A++	8.09	9.0	390
	1.5+1.5+1.5+1.5+1.5	1.50	1.50	1.50	1.50	1.50	2.48	7.50	7.79	0.48	1.55	1.79	2.19	7.10	8.19	95	4.85	A	775	A++	7.90	7.5	333
	1.5+1.5+1.5+1.5+2.0	1.41	1.41	1.41	1.41	1.88	2.55	7.50	8.12	0.48	1.55	1.94	2.19	7.10	8.88	95	4.87	A	775	A++	7.89	7.5	333
	1.5+1.5+1.5+1.5+2.5	1.41	1.41	1.41	1.41	2.35	2.63	8.00	8.42	0.51	1.75	2.10	2.32	8.01	9.61	95	4.59	A	875	A++	7.80	8.0	359
	1.5+1.5+1.5+1.5+3.5	1.26	1.26	1.26	1.26	2.95	2.77	8.00	8.96	0.53	1.73	2.39	2.44	7.92	10.92	95	4.63	A	865	A++	7.81	8.0	359
	1.5+1.5+1.5+1.5+4.2	1.32	1.32	1.32	1.32	3.71	2.88	9.00	9.30	0.53	2.20	2.56	2.44	10.07	11.73	95	4.10	A	1100	A++	7.66	9.0	411
	1.5+1.5+1.5+1.5+5.0	1.23	1.23	1.23	1.23	4.09	2.99	9.00	9.64	0.56	2.15	2.64	2.57	9.84	12.10	95	4.20	A	1075	A++	7.69	9.0	410
	1.5+1.5+1.5+1.5+6.0	1.13	1.13	1.13	1.13	4.50	3.14	9.00	10.01	0.57	2.12	2.69	2.61	9.71	12.30	95	4.25	A	1060	A++	7.71	9.0	409
	1.5+1.5+1.5+1.5+7.1	1.03	1.03	1.03	1.03	4.88	3.30	9.00	10.32	0.60	2.10	2.82	2.74	9.62	12.91	95	4.30	A	1050	A++	7.73	9.0	408

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	E room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
5MXM90N2V1B	1.5+1.5+1.5+2.0+2.0	1.41	1.41	1.41	1.88	1.88	2.63	8.00	8.42	0.51	1.75	2.10	2.32	8.01	9.61	95	4.59	A	875	A++	7.80	8.0	359
	1.5+1.5+1.5+2.0+2.5	1.33	1.33	1.33	1.78	2.22	2.70	8.00	8.70	0.51	1.75	2.22	2.32	8.01	10.14	95	4.59	A	875	A++	7.80	8.0	359
	1.5+1.5+1.5+2.0+3.5	1.28	1.28	1.28	1.70	2.98	2.85	8.50	9.21	0.53	1.95	2.50	2.44	8.93	11.45	95	4.37	A	975	A++	7.76	8.5	383
	1.5+1.5+1.5+2.0+4.2	1.26	1.26	1.26	1.68	3.53	2.95	9.00	9.52	0.53	2.06	2.69	2.44	9.43	12.30	95	4.37	A	1030	A++	7.81	9.0	404
	1.5+1.5+1.5+2.0+5.0	1.17	1.17	1.17	1.57	3.91	3.07	9.00	9.83	0.56	2.02	2.78	2.57	9.25	12.71	95	4.47	A	1010	A++	7.83	9.0	403
	1.5+1.5+1.5+2.0+6.0	1.08	1.08	1.08	1.44	4.32	3.21	9.00	10.16	0.57	2.00	2.75	2.61	9.16	12.59	95	4.52	A	1000	A++	7.85	9.0	402
	1.5+1.5+1.5+2.0+7.1	0.99	0.99	0.99	1.32	4.70	3.38	9.00	10.43	0.60	1.97	2.96	2.74	9.02	13.56	95	4.57	A	985	A++	7.86	9.0	401
	1.5+1.5+1.5+2.5+2.5	1.26	1.26	1.26	2.11	2.11	2.77	8.00	8.96	0.53	1.74	2.39	2.44	7.97	10.92	95	4.61	A	870	A++	7.81	8.0	359
	1.5+1.5+1.5+2.5+3.5	1.24	1.24	1.24	2.07	2.90	2.92	8.70	9.44	0.53	2.06	2.63	2.44	9.43	12.02	95	4.24	A	1030	A++	7.71	8.7	395
	1.5+1.5+1.5+2.5+4.2	1.21	1.21	1.21	2.01	3.38	3.02	9.00	9.72	0.56	2.19	2.82	2.57	10.03	12.91	95	4.12	A	1095	A++	7.66	9.0	411
	1.5+1.5+1.5+2.5+5.0	1.13	1.13	1.13	1.88	3.75	3.14	9.00	10.01	0.56	2.14	2.90	2.57	9.80	13.28	95	4.22	A	1070	A++	7.69	9.0	410
	1.5+1.5+1.5+2.5+6.0	1.04	1.04	1.04	1.73	4.15	3.29	9.00	10.29	0.60	2.11	2.82	2.74	9.66	12.91	95	4.27	A	1055	A++	7.70	9.0	409
	1.5+1.5+1.5+2.5+7.1	0.96	0.96	0.96	1.60	4.53	3.45	9.00	10.53	0.60	2.09	2.96	2.74	9.57	13.56	95	4.32	A	1045	A++	7.72	9.0	408
	1.5+1.5+1.5+3.5+3.5	1.17	1.17	1.17	2.74	2.74	3.07	9.00	9.83	0.56	2.18	2.88	2.57	9.98	13.20	95	4.14	A	1090	A++	7.68	9.0	411
	1.5+1.5+1.5+3.5+4.2	1.11	1.11	1.11	2.58	3.10	3.17	9.00	10.07	0.60	2.17	3.02	2.74	9.94	13.81	95	4.16	A	1085	A++	7.68	9.0	410
	1.5+1.5+1.5+3.5+5.0	1.04	1.04	1.04	2.42	3.46	3.29	9.00	10.29	0.60	2.12	3.11	2.74	9.71	14.22	95	4.26	A	1060	A++	7.70	9.0	409
	1.5+1.5+1.5+3.5+6.0	0.96	0.96	0.96	2.25	3.86	3.43	9.00	10.52	0.60	2.09	2.95	2.74	9.57	13.52	95	4.31	A	1045	A++	7.72	9.0	408
	1.5+1.5+1.5+3.5+7.1	0.89	0.89	0.89	2.09	4.23	3.59	9.00	10.67	0.63	2.07	3.10	2.86	9.48	14.17	95	4.36	A	1035	A++	7.74	9.0	407
	1.5+1.5+1.5+4.2+4.2	1.05	1.05	1.05	2.93	2.93	3.27	9.00	10.19	0.60	2.16	3.09	2.74	9.89	14.13	95	4.18	A	1080	A++	7.69	9.0	410
	1.5+1.5+1.5+4.2+5.0	0.99	0.99	0.99	2.76	3.28	3.39	9.00	10.36	0.63	2.11	3.11	2.86	9.66	14.22	95	4.28	A	1055	A++	7.71	9.0	409
	1.5+1.5+1.5+4.2+6.0	0.92	0.92	0.92	2.57	3.67	3.53	9.00	10.62	0.63	2.08	3.03	2.86	9.52	13.85	95	4.33	A	1040	A++	7.73	9.0	408
	1.5+1.5+1.5+5.0+5.0	0.93	0.93	0.93	3.10	3.10	3.50	9.00	10.55	0.63	2.10	3.13	2.86	9.62	14.34	95	4.30	A	1050	A++	7.72	9.0	408
	1.5+1.5+1.5+5.0+6.0	0.87	0.87	0.87	2.90	3.48	3.65	9.00	10.70	0.63	2.07	2.98	2.86	9.48	13.65	95	4.35	A	1035	A++	7.74	9.0	407
	1.5+1.5+2.0+2.0+2.0	1.30	1.30	1.73	1.73	1.73	2.70	7.80	8.70	0.51	1.65	2.22	2.32	7.56	10.14	95	4.73	A	825	A++	7.86	7.8	348
	1.5+1.5+2.0+2.0+2.5	1.26	1.26	1.68	1.68	2.11	2.77	8.00	8.96	0.53	1.74	2.39	2.44	7.97	10.92	95	4.61	A	870	A++	7.81	8.0	359
	1.5+1.5+2.0+2.0+3.5	1.24	1.24	1.66	1.66	2.90	2.92	8.70	9.44	0.53	2.05	2.63	2.44	9.39	12.02	95	4.26	A	1025	A++	7.72	8.7	395
	1.5+1.5+2.0+2.0+4.2	1.21	1.21	1.61	1.61	3.38	3.02	9.00	9.72	0.56	2.18	2.82	2.57	9.98	12.91	95	4.14	A	1090	A++	7.67	9.0	411
	1.5+1.5+2.0+2.0+5.0	1.13	1.13	1.50	1.50	3.75	3.14	9.00	10.01	0.56	2.13	2.90	2.57	9.75	13.28	95	4.24	A	1065	A++	7.71	9.0	409
	1.5+1.5+2.0+2.0+6.0	1.04	1.04	1.38	1.38	4.15	3.29	9.00	10.29	0.60	2.10	2.82	2.74	9.62	12.91	95	4.29	A	1050	A++	7.73	9.0	408
	1.5+1.5+2.0+2.0+7.1	0.96	0.96	1.28	1.28	4.53	3.45	9.00	10.53	0.60	2.08	2.96	2.74	9.52	13.56	95	4.34	A	1040	A++	7.75	9.0	407
	1.5+1.5+2.0+2.5+2.5	1.28	1.28	1.70	2.13	2.13	2.85	8.50	9.21	0.53	1.84	2.50	2.44	8.43	11.45	95	4.63	A	920	A++	7.83	8.5	380
	1.5+1.5+2.0+2.5+3.5	1.23	1.23	1.64	2.05	2.86	2.99	9.00	9.64	0.56	2.18	2.75	2.57	9.98	12.59	95	4.14	A	1090	A++	7.67	9.0	411
	1.5+1.5+2.0+2.5+4.2	1.15	1.15	1.54	1.92	3.23	3.10	9.00	9.90	0.56	2.17	2.95	2.57	9.94	13.48	95	4.16	A	1085	A++	7.68	9.0	411
	1.5+1.5+2.0+2.5+5.0	1.08	1.08	1.44	1.80	3.60	3.21	9.00	10.16	0.60	2.12	3.03	2.74	9.71	13.89	95	4.26	A	1060	A++	7.71	9.0	409
	1.5+1.5+2.0+2.5+6.0	1.00	1.00	1.33	1.67	4.00	3.36	9.00	10.41	0.60	2.09	2.95	2.74	9.57	13.52	95	4.31	A	1045	A++	7.73	9.0	408
	1.5+1.5+2.0+2.5+7.1	0.92	0.92	1.23	1.54	4.38	3.51	9.00	10.61	0.63	2.07	3.03	2.86	9.48	13.85	95	4.36	A	1035	A++	7.76	9.0	406
	1.5+1.5+2.0+3.5+3.5	1.13	1.13	1.50	2.63	2.63	3.14	9.00	10.01	0.56	2.17	3.02	2.57	9.94	13.81	95	4.16	A	1085	A++	7.68	9.0	410
	1.5+1.5+2.0+3.5+4.2	1.06	1.06	1.42	2.48	2.98	3.24	9.00	10.18	0.60	2.16	3.08	2.74	9.89	14.09	95	4.18	A	1080	A++	7.69	9.0	410
	1.5+1.5+2.0+3.5+5.0	1.00	1.00	1.33	2.33	3.33	3.36	9.00	10.36	0.60	2.11	3.11	2.74	9.66	14.22	95	4.28	A	1055	A++	7.72	9.0	408
	1.5+1.5+2.0+3.5+6.0	0.93	0.93	1.24	2.17	3.72	3.50	9.00	10.59	0.63	2.08	3.03	2.86	9.52	13.85	95	4.33	A	1040	A++	7.74	9.0	407
	1.5+1.5+2.0+3.5+7.1	0.87	0.87	1.15	2.02	4.10	3.66	9.00	10.71	0.65	2.06	3.10	2.99	9.43	14.17	95	4.38	A	1030	A++	7.76	9.0	406
	1.5+1.5+2.0+4.2+4.2	1.01	1.01	1.34	2.82	2.82	3.35	9.00	10.19	0.63	2.15	3.09	2.86	9.84	14.13	95	4.20	A	1075	A++	7.70	9.0	409
	1.5+1.5+2.0+4.2+5.0	0.95	0.95	1.27	2.66	3.17	3.46	9.00	10.36	0.63	2.10	3.11	2.86	9.62	14.22	95	4.30	A	1050	A++	7.73	9.0	408
	1.5+1.5+2.0+4.2+6.0	0.89	0.89	1.18	2.49	3.55	3.60	9.00	10.68	0.63	2.07	3.10	2.86	9.48	14.17	95	4.35	A	1035	A++	7.75	9.0	407
	1.5+1.5+2.0+5.0+5.0	0.90	0.90	1.20	3.00	3.00	3.57	9.00	10.66	0.63	2.00	3.28	2.86	9.16	14.99	95	4.50	A	1000	A++	7.70	9.0	410
	1.5+1.5+2.5+2.5+2.5	1.24	1.24	2.07	2.07	2.07	2.92	8.70	9.44	0.53	2.04	2.63	2.44	9.34	12.02	95	4.28	A	1020	A++	7.72	8.7	395
	1.5+1.5+2.5+2.5+3.5	1.17	1.17	1.96	1.96	2.74	3.07	9.00	9.83	0.56	2.17	2.88	2.57	9.94	13.20	95	4.16	A	1085	A++	7.67	9.0	411
	1.5+1.5+2.5+2.5+4.2	1.11	1.11	1.84	1.84	3.10	3.17	9.00	10.07	0.60	2.16	3.02	2.74	9.89	13.81	95	4.18	A	1080	A++	7.68	9.0	411
	1.5+1.5+2.5+2.5+5.0	1.04	1.04	1.73	1.73	3.46	3.29	9.00	10.29	0.60	2.11	3.11	2.74	9.66	14.22	95	4.28	A	1055	A++	7.71	9.0	409
	1.5+1.5+2.5+2.5+6.0	0.96	0.96	1.61	1.61	3.86	3.43	9.00	10.52	0.60	2.08	3.03	2.74	9.52	13.85	95	4.33	A	1040	A++	7.73	9.0	408
	1.5+1.5+2.5+2.5+7.1	0.89	0.89	1.49	1.49	4.23	3.59	9.00	10.67	0.63	2.06	3.10	2.86	9.43	14.17	95	4.38	A	1030	A++	7.75	9.0	406
	1.5+1.5+2.5+3.5+3.5	1.08	1.08	1.80	2.52	2.52	3.21	9.00	10.16	0.60	2.16	3.08	2.74	9.89	14.09	95	4.18	A	1080	A++	7.68	9.0	410
	1.5+1.5+2.5+3.5+4.2	1.02	1.02	1.70	2.39	2.86	3.32	9.00	10.18	0.60	2.15	3.08	2.74	9.84	14.09	95	4.20	A	1075	A++	7.69	9.0	410
	1.5+1.5+2.5+3.5+5.0	0.96	0.96	1.61	2.25	3.21	3.43	9.00	10.36	0.63	2.10	3.11	2.86	9.62	14.22	95	4.30	A	1050	A++	7.72	9.0	408
	1.5+1.5+2.5+3.5+6.0	0.90	0.90	1.50	2.10	3.60	3.57	9.00	10.66	0.63	2.07	3.10	2.86	9.48	14.17	95	4.35	A	1035	A++	7.74	9.0	407
	1.5+1.5+2.5+4.2+4.2	0.97	0.97	1.62	2.72	2.72	3.42	9.00	10.19	0.63	2.14	3.09	2.86	9.80	14.13	95	4.22	A	1070	A++	7.70	9.0	410
	1.5+1.5+2.5+4.2+5.0	0.92	0.92	1.53	2.57	3.06	3.53	9.00	10.62	0.63	2.09	3.39	2.86	9.57	15.52	95	4.32	A	1045	A++	7.73	9.0	408
	1.5+1.5+2.5+5.0+5.0	0.87	0.87	1.45	2.90	2.90	3.65	9.00	10.70	0.65	2.02	3.28	2.99	9.25	14.99	95	4.47	A	1010	A++	7.67	9.0	411
	1.5+1.5+3.5+3.5+3.5	1.00	1.00	2.33	2.33	2.33	3.36	9.00	10.18	0.63	2.15	3.08	2.86	9.84	14.09	95	4.20	A	1075	A++	7.69	9.0	410
	1.5+1.5+3.5+3.5+4.2	0.95	0.95	2.22	2.22	2.66	3.46	9.00	10.19	0.63	2.14	3.09	2.86	9.80	14.13	95	4.22	A	1070	A++	7.70	9.0	410
	1.5+1.5+3.5+3.5+5.0	0.90	0.90	2.10	2.10	3.00	3.57	9.00	10.66	0.65	2.09	3.38	2.99	9.57	15.48	95	4.32	A	1045	A++	7.73	9.0	408
	1.5+1.5+3.5+4.2+4.2	0.91	0.91	2.11	2.54	2.54	3.56	9.00	10.65	0.65	2.13	3.57	2.99	9.75	16.33	95	4.24	A	1065	A++	7.71	9.0	409
	1.5+2.0+2.0+2.0+2.0	1.26	1.68	1.68	1.68	1.68	2.77	8.00	8.96	0.53	1.73	2.39	2.44	7.92	10.92	95	4.63	A	865	A++	7.81	8.0	359
	1.5+2.0+2.0+2.0+2.5	1.28	1.70	1.70	1.70	2.13	2.85	8.50	9.21	0.53	1.83	2.50	2.44	8.38	11.45	95	4.65	A	915	A++	7.83	8.5	380
	1.5+2.0+2.0+2.0+3.5	1.23	1.64	1.64	1.64	2.86	2.99	9.00	9.64	0.56	2.17	2.75	2.57	9.94	12.59	95	4.16	A	1085	A++	7.67	9.0	411
	1.5+2.0+2.0+2.0+4.2	1.15	1.54	1.54	1.54	3.23	3.10	9.00	9.90	0.56	2.16	2.95	2.57	9.89	13.48	95	4.18	A	1080	A++	7.68	9.0	411
	1.5+2.0+2.0+2.0+5.0	1.08	1.44	1.44	1.44	3.60	3.21	9.00	10.16	0.60	2.11	3.03	2.74	9.66	13.89	95	4.28	A	1055	A++	7.71	9.0	409
	1.5+2.0+2.0+2.0+6.0	1.00	1.33	1.33	1.33	4.00	3.36	9.00	10.41	0.60	2.08	2.95	2.74	9.52	13.52	95	4.33	A	1040	A++	7.73	9.0	408
	1.5+2.0+2.0+2.0+7.1	0.92	1.23	1.23	1.23	4.38	3.51	9.00	10.61	0.63	2.06	3.03	2.86	9.43	13.85	95	4.38	A	1030	A++	7.76	9.0	406
	1.5+2.0+2.0+2.5+2.5	1.24	1.66	1.66	2.07	2.07	2.92	8.70	9.44	0.53	1.87	2.63	2.44	8.56	12.02	95	4.67	A	935	A++	7.86	8.7	388
	1.5+2.0+2.0+2.5+3.5	1.17	1.57	1.57	1.96	2.74	3.07	9.00	9.83	0.56	1.92	2.88	2.57	8.79	13.20	95	4.71	A	960	A++	7.90	9.0	399
	1.5+2.0+2.0+2.5+4.2	1.11	1.48	1.48	1.84	3.10	3.17	9.00	10.07	0.60	1.91	3.02	2.74	8.75	13.81	95	4.73	A	955	A++	7.90	9.0	399
	1.5+2.0+2.0+2.5+5.0	1.04	1.38	1.38	1.73	3.46	3.29	9.00	10.29	0.60	1.87	3.11	2.74	8.56	14.22	95	4.83	A	935	A++	7.93	9.0	397
	1.5+2.0+2.0+2.5+6.0	0.96	1.29	1.29	1.61	3.86	3.43	9.00	10.52	0.60	1.85	3.03	2.74	8.47	13.85	95	4.88	A	925	A++	7.95	9.0	396
	1.5+2.0+2.0+2.5+7.1	0.89	1.19	1.19	1.49	4.23	3.59	9.00	10.67	0.63	1.83	3.10	2.86	8.38	14.17	95	4.93	A	915	A++	7.97	9.0	395
	1.5+2.0+2.0+3.5+3.5	1.08	1.44	1.44	2.52	2.52	3.21	9.00	10.16	0.60	1.91	3.08	2.74	8.75	14.09	95	4.73	A	955	A++	7.91	9.0	399
	1.5+2.0+2.0+3.5+4.2	1.02	1.36	1.36	2.39	2.86	3.32	9.00	10.18	0.60	1.90	3.08	2.74	8.70	14.09	95	4.75	A	950	A++	7.91	9.0	398
	1.5+2.0+2.0+3.5+5.0	0.96	1.29	1.29	2.25	3.21	3.43	9.00	10.36	0.63	1.86	3.11	2.86	8.52	14.22	95	4.85	A	930	A++	7.94	9.0	397
	1.5+2.0+2.0+3.5+6.0	0.90	1.20	1.20	2.10	3.60	3.57	9.00	10.66	0.63	1.84	3.10	2.86	8.43	14.17	95	4.90	A	920	A++	7.96	9.0	396

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	D room	E room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
5MXM90N2V1B	1.5+2.0+2.0+4.2+4.2	0.97	1.29	1.29	2.72	2.72	3.42	9.00	10.19	0.63	1.89	3.09	2.86	8.65	14.13	95	4.77	A	945	A++	7.92	9.0	398
	1.5+2.0+2.0+4.2+5.0	0.92	1.22	1.22	2.57	3.06	3.53	9.00	10.62	0.63	1.85	3.39	2.86	8.47	15.52	95	4.87	A	925	A++	7.95	9.0	396
	1.5+2.0+2.0+5.0+5.0	0.87	1.16	1.16	2.90	2.90	3.65	9.00	10.70	0.65	1.85	3.28	2.99	8.47	14.99	95	4.87	A	925	A++	7.95	9.0	396
	1.5+2.0+2.5+2.5+2.5	1.23	1.64	2.05	2.05	2.05	2.99	9.00	9.64	0.56	1.92	2.75	2.57	8.79	12.59	95	4.71	A	960	A++	7.89	9.0	399
	1.5+2.0+2.5+2.5+3.5	1.13	1.50	1.88	1.88	2.63	3.14	9.00	10.01	0.56	1.90	3.02	2.57	8.70	13.81	95	4.75	A	950	A++	7.91	9.0	399
	1.5+2.0+2.5+2.5+4.2	1.06	1.42	1.77	1.77	2.98	3.24	9.00	10.17	0.60	1.89	3.08	2.74	8.65	14.09	95	4.77	A	945	A++	7.91	9.0	398
	1.5+2.0+2.5+2.5+5.0	1.00	1.33	1.67	1.67	3.33	3.36	9.00	10.35	0.60	1.85	3.11	2.74	8.47	14.22	95	4.87	A	925	A++	7.94	9.0	397
	1.5+2.0+2.5+2.5+6.0	0.93	1.24	1.55	1.55	3.72	3.50	9.00	10.59	0.63	1.83	3.03	2.86	8.38	13.85	95	4.92	A	915	A++	7.96	9.0	396
	1.5+2.0+2.5+2.5+7.1	0.87	1.15	1.44	1.44	4.10	3.66	9.00	10.71	0.65	1.82	3.10	2.99	8.33	14.17	95	4.97	A	910	A++	7.98	9.0	395
	1.5+2.0+2.5+3.5+3.5	1.04	1.38	1.73	2.42	2.42	3.29	9.00	10.17	0.60	1.89	3.08	2.74	8.65	14.09	95	4.77	A	945	A++	7.92	9.0	398
	1.5+2.0+2.5+3.5+4.2	0.99	1.31	1.64	2.30	2.76	3.39	9.00	10.18	0.63	1.88	3.08	2.86	8.61	14.09	95	4.79	A	940	A++	7.92	9.0	398
	1.5+2.0+2.5+3.5+5.0	0.93	1.24	1.55	2.17	3.10	3.50	9.00	10.36	0.63	1.85	3.11	2.86	8.47	14.22	95	4.89	A	925	A++	7.95	9.0	396
	1.5+2.0+2.5+3.5+6.0	0.87	1.16	1.45	2.03	3.48	3.65	9.00	10.70	0.65	1.83	3.10	2.99	8.38	14.17	95	4.94	A	915	A++	7.97	9.0	396
	1.5+2.0+2.5+4.2+4.2	0.94	1.25	1.56	2.63	2.63	3.48	9.00	10.19	0.63	1.88	3.09	2.86	8.61	14.13	95	4.81	A	940	A++	7.93	9.0	398
	1.5+2.0+2.5+4.2+5.0	0.89	1.18	1.48	2.49	2.96	3.60	9.00	10.68	0.65	1.84	3.46	2.99	8.43	15.84	95	4.91	A	920	A++	7.96	9.0	396
	1.5+2.0+3.5+3.5+3.5	0.96	1.29	2.25	2.25	2.25	3.43	9.00	10.18	0.63	1.88	3.08	2.86	8.61	14.09	95	4.79	A	940	A++	7.93	9.0	398
	1.5+2.0+3.5+3.5+4.2	0.92	1.22	2.14	2.14	2.57	3.53	9.00	10.62	0.65	1.88	3.57	2.99	8.61	16.33	95	4.81	A	940	A++	7.93	9.0	398
	1.5+2.0+3.5+3.5+5.0	0.87	1.16	2.03	2.03	2.90	3.65	9.00	10.70	0.65	1.84	3.45	2.99	8.43	15.80	95	4.91	A	920	A++	7.96	9.0	396
	1.5+2.0+3.5+4.2+4.2	0.88	1.17	2.05	2.45	2.45	3.63	9.00	10.69	0.65	1.87	3.64	2.99	8.56	16.66	95	4.83	A	935	A++	7.94	9.0	397
	1.5+2.5+2.5+2.5+2.5	1.17	1.96	1.96	1.96	1.96	3.07	9.00	9.83	0.56	1.91	2.88	2.57	8.75	13.20	95	4.73	A	955	A++	7.88	9.0	400
	1.5+2.5+2.5+2.5+3.5	1.08	1.80	1.80	1.80	2.52	3.21	9.00	10.16	0.60	1.89	3.08	2.74	8.65	14.09	95	4.77	A	945	A++	7.89	9.0	399
	1.5+2.5+2.5+2.5+4.2	1.02	1.70	1.70	1.70	2.86	3.32	9.00	10.17	0.60	1.88	3.08	2.74	8.61	14.09	95	4.79	A	940	A++	7.89	9.0	399
	1.5+2.5+2.5+2.5+5.0	0.96	1.61	1.61	1.61	3.21	3.43	9.00	10.35	0.63	1.85	3.11	2.86	8.47	14.22	95	4.89	A	925	A++	7.92	9.0	398
	1.5+2.5+2.5+2.5+6.0	0.90	1.50	1.50	1.50	3.60	3.57	9.00	10.66	0.63	1.83	3.10	2.86	8.38	14.17	95	4.94	A	915	A++	7.94	9.0	397
	1.5+2.5+2.5+3.5+3.5	1.00	1.67	1.67	2.33	2.33	3.36	9.00	10.17	0.63	1.88	3.08	2.86	8.61	14.09	95	4.79	A	940	A++	7.90	9.0	399
	1.5+2.5+2.5+3.5+4.2	0.95	1.58	1.58	2.22	2.66	3.46	9.00	10.18	0.63	1.88	3.08	2.86	8.61	14.09	95	4.81	A	940	A++	7.90	9.0	399
	1.5+2.5+2.5+3.5+5.0	0.90	1.50	1.50	2.10	3.00	3.57	9.00	10.66	0.65	1.84	3.38	2.99	8.43	15.48	95	4.91	A	920	A++	7.93	9.0	397
	1.5+2.5+2.5+4.2+4.2	0.91	1.51	1.51	2.54	2.54	3.56	9.00	10.65	0.65	1.87	3.64	2.99	8.56	16.66	95	4.83	A	935	A++	7.91	9.0	398
	1.5+2.5+3.5+3.5+3.5	0.93	1.55	2.17	2.17	2.17	3.50	9.00	10.18	0.63	1.88	3.08	2.86	8.61	14.09	95	4.81	A	940	A++	7.91	9.0	399
	1.5+2.5+3.5+3.5+4.2	0.89	1.48	2.07	2.07	2.49	3.60	9.00	10.68	0.65	1.87	3.64	2.99	8.56	16.66	95	4.83	A	935	A++	7.91	9.0	398
	1.5+3.5+3.5+3.5+3.5	0.87	2.03	2.03	2.03	2.03	3.65	9.00	10.70	0.65	1.87	3.71	2.99	8.56	16.99	95	4.83	A	935	A++	7.92	9.0	398
	2.0+2.0+2.0+2.0+2.0	1.70	1.70	1.70	1.70	1.70	2.85	8.50	9.21	0.53	1.83	2.50	2.44	8.38	11.45	95	4.67	A	915	A++	7.83	8.5	380
	2.0+2.0+2.0+2.0+2.5	1.66	1.66	1.66	1.66	2.07	2.92	8.70	9.44	0.53	2.03	2.63	2.44	9.30	12.02	95	4.30	A	1015	A++	7.72	8.7	395
	2.0+2.0+2.0+2.0+3.5	1.57	1.57	1.57	1.57	2.74	3.07	9.00	9.83	0.56	1.90	2.88	2.57	8.70	13.20	95	4.75	A	950	A++	7.86	9.0	401
	2.0+2.0+2.0+2.0+4.2	1.48	1.48	1.48	1.48	3.10	3.17	9.00	10.07	0.60	1.89	3.02	2.74	8.65	13.81	95	4.77	A	945	A++	7.86	9.0	401
	2.0+2.0+2.0+2.0+5.0	1.38	1.38	1.38	1.38	3.46	3.29	9.00	10.29	0.60	1.85	3.11	2.74	8.47	14.22	95	4.87	A	925	A++	7.89	9.0	399
	2.0+2.0+2.0+2.0+6.0	1.29	1.29	1.29	1.29	3.86	3.43	9.00	10.52	0.60	1.83	3.03	2.74	8.38	13.85	95	4.92	A	915	A++	7.91	9.0	399
	2.0+2.0+2.0+2.0+7.1	1.19	1.19	1.19	1.19	4.23	3.59	9.00	10.67	0.63	1.82	3.10	2.86	8.33	14.17	95	4.97	A	910	A++	7.93	9.0	398
	2.0+2.0+2.0+2.5+2.5	1.64	1.64	1.64	2.05	2.05	2.99	9.00	9.64	0.56	2.09	2.75	2.57	9.57	12.59	95	4.32	A	1045	A++	7.76	9.0	406
	2.0+2.0+2.0+2.5+3.5	1.50	1.50	1.50	1.88	2.63	3.14	9.00	10.01	0.56	2.07	3.02	2.57	9.48	13.81	95	4.36	A	1035	A++	7.77	9.0	405
	2.0+2.0+2.0+2.5+4.2	1.42	1.42	1.42	1.77	2.98	3.24	9.00	10.17	0.60	2.06	3.08	2.74	9.43	14.09	95	4.38	A	1030	A++	7.78	9.0	405
	2.0+2.0+2.0+2.5+5.0	1.33	1.33	1.33	1.67	3.33	3.36	9.00	10.35	0.60	2.01	3.11	2.74	9.20	14.22	95	4.48	A	1005	A++	7.81	9.0	404
	2.0+2.0+2.0+2.5+6.0	1.24	1.24	1.24	1.55	3.72	3.50	9.00	10.59	0.63	1.99	3.03	2.86	9.11	13.85	95	4.53	A	995	A++	7.83	9.0	403
	2.0+2.0+2.0+2.5+7.1	1.15	1.15	1.15	1.44	4.10	3.66	9.00	10.71	0.65	1.97	3.10	2.99	9.02	14.17	95	4.58	A	985	A++	7.85	9.0	401
	2.0+2.0+2.0+3.5+3.5	1.38	1.38	1.38	2.42	2.42	2.99	9.00	9.64	0.56	2.06	2.75	2.57	9.43	12.59	95	4.38	A	1030	A++	7.78	9.0	405
	2.0+2.0+2.0+3.5+4.2	1.31	1.31	1.31	2.30	2.76	3.39	9.00	10.18	0.63	2.05	3.08	2.86	9.39	14.09	95	4.40	A	1025	A++	7.79	9.0	405
	2.0+2.0+2.0+3.5+5.0	1.24	1.24	1.24	2.17	3.10	3.50	9.00	10.36	0.63	2.00	3.11	2.86	9.16	14.22	95	4.50	A	1000	A++	7.82	9.0	403
	2.0+2.0+2.0+3.5+6.0	1.16	1.16	1.16	2.03	3.48	3.65	9.00	10.70	0.65	1.98	3.10	2.99	9.07	14.17	95	4.55	A	990	A++	7.84	9.0	402
	2.0+2.0+2.0+4.2+4.2	1.25	1.25	1.25	2.63	2.63	3.48	9.00	10.19	0.63	2.04	3.09	2.86	9.34	14.13	95	4.42	A	1020	A++	7.80	9.0	404
	2.0+2.0+2.0+4.2+5.0	1.18	1.18	1.18	2.49	2.96	3.60	9.00	10.68	0.65	2.00	3.46	2.99	9.16	15.84	95	4.52	A	1000	A++	7.83	9.0	403
	2.0+2.0+2.5+2.5+2.5	1.57	1.57	1.96	1.96	1.96	3.07	9.00	9.83	0.56	2.08	2.88	2.57	9.52	13.20	95	4.34	A	1040	A++	7.74	9.0	407
	2.0+2.0+2.5+2.5+3.5	1.44	1.44	1.80	1.80	2.52	3.21	9.00	10.16	0.60	2.06	3.08	2.74	9.43	14.09	95	4.38	A	1030	A++	7.76	9.0	406
	2.0+2.0+2.5+2.5+4.2	1.36	1.36	1.70	1.70	2.86	3.32	9.00	9.85	0.60	2.05	3.08	2.74	9.39	14.09	95	4.40	A	1025	A++	7.76	9.0	406
	2.0+2.0+2.5+2.5+5.0	1.29	1.29	1.61	1.61	3.21	3.43	9.00	10.35	0.63	2.00	3.11	2.86	9.16	14.22	95	4.50	A	1000	A++	7.79	9.0	404
	2.0+2.0+2.5+2.5+6.0	1.20	1.20	1.50	1.50	3.60	3.57	9.00	10.66	0.63	1.98	3.10	2.86	9.07	14.17	95	4.55	A	990	A++	7.81	9.0	403
	2.0+2.0+2.5+3.5+3.5	1.33	1.33	1.67	2.33	2.33	3.36	9.00	10.17	0.63	2.05	3.08	2.86	9.39	14.09	95	4.40	A	1025	A++	7.77	9.0	406
	2.0+2.0+2.5+3.5+4.2	1.27	1.27	1.58	2.22	2.66	3.46	9.00	9.85	0.63	2.04	3.08	2.86	9.34	14.09	95	4.42	A	1020	A++	7.77	9.0	406
	2.0+2.0+2.5+3.5+5.0	1.20	1.20	1.50	2.10	3.00	3.57	9.00	10.66	0.65	2.00	3.38	2.99	9.16	15.48	95	4.52	A	1000	A++	7.80	9.0	404
	2.0+2.0+2.5+4.2+4.2	1.21	1.21	1.51	2.54	2.54	3.56	9.00	10.65	0.65	2.03	3.57	2.99	9.30	16.33	95	4.44	A	1015	A++	7.78	9.0	405
	2.0+2.0+3.5+3.5+3.5	1.24	1.24	2.17	2.17	2.17	3.50	9.00	10.18	0.63	2.04	3.08	2.86	9.34	14.09	95	4.42	A	1020	A++	7.77	9.0	405
	2.0+2.0+3.5+3.5+4.2	1.18	1.18	2.07	2.07	2.49	3.60	9.00	10.68	0.65	2.03	3.57	2.99	9.30	16.33	95	4.44	A	1015	A++	7.78	9.0	405
	2.0+2.5+2.5+2.5+2.5	1.50	1.88	1.88	1.88	1.88	3.14	9.00	10.01	0.56	2.07	3.02	2.57	9.48	13.81	95	4.36	A	1035	A++	7.75	9.0	407
	2.0+2.5+2.5+2.5+3.5	1.38	1.73	1.73	1.73	2.42	3.29	9.00	10.16	0.60	2.05	3.08	2.74	9.39	14.09	95	4.40	A	1025	A++	7.76	9.0	406
	2.0+2.5+2.5+2.5+4.2	1.31	1.64	1.64	1.64	2.76	3.39	9.00	10.17	0.63	2.04	3.08	2.86	9.34	14.09	95	4.42	A	1020	A++	7.76	9.0	406
	2.0+2.5+2.5+2.5+5.0	1.24	1.55	1.55	1.55	3.10	3.50	9.00	10.35	0.63	2.00	3.11	2.86	9.16	14.22	95	4.52	A	1000	A++	7.80	9.0	404
	2.0+2.5+2.5+2.5+6.0	1.16	1.45	1.45	1.45	3.48	3.65	9.00	10.70	0.65	1.97	3.10	2.99	9.02	14.17	95	4.57	A	985	A++	7.82	9.0	403
	2.0+2.5+2.5+3.5+3.5	1.29	1.61	1.61	2.25	2.25	3.43	9.00	10.17	0.63	2.04	3.08	2.86	9.34	14.09	95	4.42	A	1020	A++	7.77	9.0	406
	2.0+2.5+2.5+3.5+4.2	1.22	1.53	1.53	2.14	2.57	3.53	9.00	10.62	0.65	2.03	3.57	2.99	9.30	16.33	95	4.44	A	1015	A++	7.77	9.0	405
	2.0+2.5+2.5+3.5+5.0	1.16	1.45	1.45	2.03	2.90	3.65	9.00	10.70	0.65	1.97	3.45	2.99	9.02	15.80	95	4.59	A	985	A++	7.83	9.0	403
	2.0+2.5+2.5+4.2+4.2	1.17	1.46	1.46	2.45	2.45	3.60	9.00	10.68	0.65	2.03	3.57	2.99	9.30	16.33	95	4.45	A	1015	A++	7.77	9.0	406
	2.0+2.5+3.5+3.5+3.5	1.20	1.50	2.10	2.10	2.10	3.57	9.00	10.63	0.65	2.02	3.57	2.99	9.25	16.33	95	4.47	A	1010	A++	7.78	9.0	405
	2.5+2.5+2.5+2.5+2.5	1.80	1.80	1.80	1.80	1.80	3.21	9.00	10.15	0.60	2.02	3.08	2.74	9.25	14.09	95	4.47	A	1010	A++	7.73	9.0	408
	2.5+2.5+2.5+2.5+3.5	1.67	1.67	1.67	1.67	2.33	3.36	9.00	10.16	0.63	2.01	3.08	2.86	9.20	14.09	95	4.49	A	1005	A++	7.74	9.0	407
	2.5+2.5+2.5+2.5+4.2	1.58	1.58	1.58	1.58	2.66	3.46	9.00	10.17	0.63	2.01	3.08	2.86	9.20	14.09	95	4.49	A	1005	A++	7.75	9.0	407
	2.5+2.5+2.5+2.5+5.0	1.50	1.50	1.50	1.50	3.00	3.57	9.00	10.66	0.65	2.00	3.45	2.99	9.16	15.80	95	4.51	A	1000	A++	7.75	9.0	407
	2.5+2.5+2.5+3.5+3.5	1.55	1.55	1.55	2.17	2.17	3.50	9.00	10.17	0.63	2.00	3.08	2.86	9.16	14.09	95	4.51	A	1000	A++	7.76	9.0	406
	2.5+2.5+2.5+3.5+4.2	1.48	1.48	1.48	2.07	2.49	3.60	9.00	10.68	0.65	1.99	3.57	2.99	9.11	16.33	95	4.53	A	995	A++	7.76	9.0	406
	2.5+2.5+3.5+3.5+3.5	1.45	1.45	2.03	2.03	2.03	3.65	9.00	10.63	0.65	1.99	3.57	2.99	9.11	16.33	95	4.53	A	995	A++	7.77	9.0	406

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
	1.5	1.90	---	---	---	---	1.28	1.90	4.15	0.28	0.53	1.31	1.29	2.43	5.98	95	3.59	---	---	---	---	---	---
	2.0	2.49	---	---	---	---	1.33	2.49	4.37	0.34	0.67	1.37	1.55	3.05	6.25	95	3.73	---	---	---	---	---	---
	2.5	3.11	---	---	---	---	1.39	3.11	4.84	0.36	0.88	1.47	1.64	4.04	6.71	95	3.53	---	---	---	---	---	---
	3.5	4.36	---	---	---	---	1.51	4.36	5.31	0.38	1.40	1.93	1.73	6.42	8.84	95	3.11	---	---	---	---	---	---
	4.2	5.23	---	---	---	---	1.56	5.23	6.16	0.40	1.63	2.06	1.82	7.45	9.42	95	3.22	---	---	---	---	---	---
	5.0	6.21	---	---	---	---	1.94	6.21	7.75	0.47	1.76	2.39	2.13	8.08	10.92	95	3.52	---	---	---	---	---	---
	6.0	7.46	---	---	---	---	2.23	7.46	9.05	0.58	2.25	2.86	2.66	10.32	13.09	95	3.31	---	---	---	---	---	---
	7.1	8.82	---	---	---	---	2.55	8.82	9.38	0.65	2.81	3.01	2.97	12.88	13.77	95	3.14	---	---	---	---	---	---
	1.5+1.5	1.85	1.85	---	---	---	1.51	3.70	7.45	0.37	0.88	1.85	1.68	4.03	8.47	95	4.21	A	A	3.87	3.50	1264	0.32
	1.5+2.0	1.84	2.46	---	---	---	1.57	4.30	7.83	0.35	1.04	2.01	1.59	4.76	9.20	95	4.16	A	A	3.88	3.50	1262	0.32
	1.5+2.5	1.84	3.06	---	---	---	1.72	4.90	8.02	0.37	1.20	2.08	1.68	5.50	9.52	95	4.09	A	A	3.89	3.50	1259	0.32
	1.5+3.5	1.83	4.27	---	---	---	2.02	6.10	8.57	0.44	1.68	2.37	2.02	7.69	10.85	95	3.64	A	A	3.91	3.80	1360	0.44
	1.5+4.2	1.84	5.16	---	---	---	2.23	7.00	8.92	0.42	1.99	2.59	1.94	9.11	11.85	95	3.52	B	A	3.92	3.80	1357	0.43
	1.5+5.0	1.85	6.15	---	---	---	2.48	8.00	10.45	0.44	2.17	2.93	2.02	9.94	13.41	95	3.70	A	A+	4.00	4.50	1573	0.73
	1.5+6.0	1.80	7.20	---	---	---	2.77	9.00	10.65	0.48	2.47	2.72	2.19	11.31	12.45	95	3.65	A	A+	4.01	4.50	1570	0.72
	1.5+7.1	1.74	8.26	---	---	---	3.09	10.00	10.67	0.52	2.90	2.70	2.37	13.28	12.36	95	3.45	B	A+	4.02	4.50	1567	0.7
	2.0+2.0	2.45	2.45	---	---	---	1.72	4.90	8.02	0.37	1.19	2.33	1.68	5.45	10.66	95	4.13	A	A	3.86	3.50	1267	0.32
	2.0+2.5	2.44	3.06	---	---	---	1.88	5.50	8.19	0.39	1.37	2.34	1.76	6.28	10.71	95	4.03	A	A	3.87	3.50	1265	0.31
	2.0+3.5	2.44	4.26	---	---	---	2.17	6.70	8.74	0.47	1.75	2.45	2.15	8.01	11.21	95	3.85	A	A	3.92	3.80	1355	0.43
	2.0+4.2	2.45	5.15	---	---	---	2.39	7.60	9.10	0.58	2.04	2.68	2.67	9.34	12.27	95	3.74	A	A	3.93	3.80	1353	0.43
	2.0+5.0	2.43	6.07	---	---	---	2.62	8.50	10.63	0.59	2.35	3.02	2.71	10.76	13.82	95	3.63	A	A+	4.03	4.50	1564	0.73
	2.0+6.0	2.33	6.98	---	---	---	2.92	9.30	10.82	0.61	2.62	2.72	2.80	12.00	12.45	95	3.55	B	A+	4.03	4.50	1560	0.71
	2.0+7.1	2.20	7.80	---	---	---	3.23	10.00	10.92	0.65	2.90	2.93	2.97	13.28	13.41	95	3.46	B	A+	4.04	4.50	1557	0.69
	2.5+2.5	3.05	3.05	---	---	---	2.02	6.10	8.52	0.44	1.73	2.38	2.02	7.92	10.89	95	3.54	B	A	3.88	3.50	1263	0.31
	2.5+3.5	3.04	4.26	---	---	---	2.33	7.30	9.12	0.56	2.08	2.70	2.58	9.52	12.36	95	3.52	B	A	3.93	3.80	1352	0.43
	2.5+4.2	3.06	5.14	---	---	---	2.54	8.20	9.38	0.61	2.35	2.93	2.80	10.76	13.41	95	3.50	B	A	3.94	3.80	1349	0.43
	2.5+5.0	3.00	6.00	---	---	---	2.77	9.00	10.72	0.62	2.58	3.11	2.84	11.81	14.23	95	3.49	B	A+	4.05	4.50	1552	0.73
	2.5+6.0	2.82	6.78	---	---	---	3.06	9.60	10.92	0.63	2.76	2.79	2.88	12.64	12.77	95	3.48	B	A+	4.06	4.50	1549	0.71
	2.5+7.1	2.60	7.40	---	---	---	3.38	10.00	11.20	0.68	2.89	3.18	3.10	13.23	14.55	95	3.47	B	A+	4.07	4.50	1546	0.69
	3.5+3.5	4.25	4.25	---	---	---	2.62	8.50	9.57	0.61	2.54	2.90	2.80	11.63	13.27	95	3.35	C	A+	4.03	4.50	1561	0.74
	3.5+4.2	4.09	4.91	---	---	---	2.83	9.00	10.18	0.66	2.77	3.25	3.01	12.68	14.87	95	3.25	C	A+	4.04	4.50	1558	0.73
	3.5+5.0	3.91	5.59	---	---	---	3.06	9.50	10.94	0.67	2.73	3.15	3.05	12.50	14.42	95	3.48	B	A+	4.09	5.20	1777	1.04
	3.5+6.0	3.68	6.32	---	---	---	3.35	10.00	11.18	0.68	2.77	3.16	3.10	12.68	14.46	95	3.62	A	A+	4.11	5.20	1770	1.02
	3.5+7.1	3.30	6.70	---	---	---	3.66	10.00	11.21	0.72	2.73	3.01	3.31	12.50	13.78	95	3.67	A	A+	4.13	5.20	1763	1
	4.2+4.2	4.75	4.75	---	---	---	3.03	9.50	9.99	0.68	2.62	3.25	3.10	12.00	14.87	95	3.63	A	A+	4.05	4.50	1555	0.73
	4.2+5.0	4.57	5.43	---	---	---	3.26	10.00	10.95	0.69	2.78	3.21	3.14	12.73	14.69	95	3.61	A	A+	4.16	5.20	1748	1.03
	4.2+6.0	4.12	5.88	---	---	---	3.55	10.00	11.19	0.71	2.74	3.15	3.23	12.55	14.42	95	3.66	A	A+	4.18	5.20	1741	1.01
	4.2+7.1	3.72	6.28	---	---	---	3.87	10.00	11.21	0.74	2.69	3.07	3.40	12.32	14.05	95	3.72	A	A+	4.19	5.20	1734	1
	5.0+5.0	5.00	5.00	---	---	---	3.49	10.00	11.12	0.71	2.71	3.13	3.27	12.41	14.32	95	3.70	A	A+	4.05	6.46	2229	1.59
5MXM90N2V1B	5.0+6.0	4.55	5.45	---	---	---	3.77	10.00	11.32	0.71	2.67	3.05	3.23	12.22	13.96	95	3.75	A	A+	4.07	6.46	2220	1.57
	5.0+7.1	4.13	5.87	---	---	---	4.09	10.00	11.35	0.78	2.63	2.83	3.57	12.04	12.95	95	3.80	A	A+	4.09	6.46	2211	1.55
	6.0+6.0	5.00	5.00	---	---	---	4.07	10.00	11.14	0.71	2.65	2.80	3.27	12.13	12.81	95	3.79	A	A+	4.08	6.46	2215	1.57
	6.0+7.1	4.58	5.42	---	---	---	4.39	10.00	11.17	0.79	2.62	2.79	3.61	12.00	12.77	95	3.82	A	A+	4.10	6.46	2206	1.55
	7.1+7.1	5.00	5.00	---	---	---	4.70	10.00	11.20	0.84	2.60	2.78	3.83	11.90	12.72	95	3.86	A	A+	4.09	6.46	2207	1.54
	1.5+1.5+1.5	1.83	1.83	1.83	---	---	1.88	5.50	9.97	0.44	1.20	2.28	2.02	5.50	10.43	95	4.59	A	A+	4.00	4.80	1679	0.83
	1.5+1.5+2.0	1.83	1.83	2.44	---	---	2.02	6.10	10.15	0.46	1.38	2.36	2.11	6.32	10.80	95	4.43	A	A+	4.01	4.80	1674	0.83
	1.5+1.5+2.5	1.83	1.83	3.05	---	---	2.17	6.70	10.23	0.48	1.59	2.39	2.19	7.28	10.94	95	4.23	A	A+	4.02	4.80	1669	0.82
	1.5+1.5+3.5	1.85	1.85	4.31	---	---	2.48	8.00	10.34	0.52	2.05	2.51	2.37	9.39	11.49	95	3.91	A	A+	4.02	5.50	1914	1.12
	1.5+1.5+4.2	1.81	1.81	5.08	---	---	2.68	8.70	10.34	0.56	2.29	2.51	2.58	10.49	11.49	95	3.81	A	A+	4.03	5.50	1908	1.12
	1.5+1.5+5.0	1.74	1.74	5.81	---	---	2.92	9.30	10.51	0.56	2.48	2.61	2.58	11.36	11.95	95	3.76	A	A+	4.12	6.46	2191	1.54
	1.5+1.5+6.0	1.58	1.58	6.33	---	---	3.20	9.50	11.14	0.57	2.48	2.80	2.62	11.36	12.81	95	3.84	A	A+	4.15	6.46	2175	1.52
	1.5+1.5+7.1	1.49	1.49	7.03	---	---	3.52	10.00	11.18	0.61	2.70	2.79	2.80	12.36	12.77	95	3.71	A	A+	4.18	6.46	2159	1.5
	1.5+2.0+2.0	1.83	2.44	2.44	---	---	2.17	6.70	10.31	0.48	1.60	2.43	2.19	7.33	11.12	95	4.21	A	A+	4.01	4.80	1672	0.82
	1.5+2.0+2.5	1.83	2.43	3.04	---	---	2.33	7.30	10.41	0.50	1.77	2.46	2.28	8.11	11.26	95	4.14	A	A+	4.04	4.80	1663	0.82
	1.5+2.0+3.5	1.82	2.43	4.25	---	---	2.63	8.50	10.50	0.54	2.21	2.60	2.45	10.12	11.90	95	3.86	A	A+	4.02	5.50	1912	1.12
	1.5+2.0+4.2	1.75	2.34	4.91	---	---	2.83	9.00	10.51	0.58	2.39	2.66	2.67	10.94	12.17	95	3.77	A	A+	4.03	5.50	1906	1.11
	1.5+2.0+5.0	1.76	2.35	5.88	---	---	3.06	10.00	10.93	0.58	2.77	2.66	2.67	12.68	12.17	95	3.62	A	A+	4.13	6.46	2189	1.53
	1.5+2.0+6.0	1.58	2.11	6.32	---	---	3.35	10.00	11.14	0.60	2.71	2.80	2.75	12.41	12.81	95	3.70	A	A+	4.16	6.46	2173	1.51
	1.5+2.0+7.1	1.42	1.89	6.70	---	---	3.66	10.00	11.18	0.64	2.69	2.79	2.93	12.32	12.77	95	3.73	A	A+	4.19	6.46	2157	1.49
	1.5+2.5+2.5	1.85	3.08	3.08	---	---	2.48	8.00	10.52	0.52	2.00	2.46	2.37	9.16	11.26	95	4.01	A	A+	4.05	4.80	1657	0.82
	1.5+2.5+3.5	1.80	3.00	4.20	---	---	2.77	9.00	10.63	0.56	2.35	2.66	2.58	10.76	12.17	95	3.83	A	A+	4.05	5.50	1901	1.11
	1.5+2.5+4.2	1.83	3.05	5.12	---	---	2.97	10.00	10.63	0.60	2.74	2.66	2.75	12.55	12.17	95	3.66	A	A+	4.06	5.50	1895	1.11
	1.5+2.5+5.0	1.67	2.78	5.56	---	---	3.20	10.00	11.05	0.61	2.63	2.82	2.80	12.04	12.91	95	3.81	A	A+	4.15	6.46	2176	1.53
	1.5+2.5+6.0	1.50	2.50	6.00	---	---	3.49	10.00	11.14	0.62	2.58	2.80	2.84	11.81	12.81	95	3.89	A	A+	4.18	6.46	2160	1.51
	1.5+2.5+7.1	1.35	2.25	6.40	---	---	3.80	10.00	11.18	0.66	2.53	2.79	3.01	11.58	12.77	95	3.97	A	A+	4.21	6.46	2145	1.49
	1.5+3.5+3.5	1.76	4.12	4.12	---	---	3.06	10.00	10.64	0.60	2.74	2.66	2.75	12.55	12.17	95	3.66	A	A+	4.09	6.46	2208	1.54
	1.5+3.5+4.2	1.63	3.80	4.57	---	---	3.26	10.00	10.78	0.65	2.72	2.87	2.97	12.45	13.14	95	3.69	A	A+	4.10	6.46	2201	1.54
	1.5+3.5+5.0	1.50	3.50	5.00	---	---	3.49	10.00	10.98	0.66	2.61	2.82	3.01	11.95	12.91	95	3.84	A	A+	4.16	6.46	2169	1.52
	1.5+3.5+6.0	1.36	3.18	5.45	---	---	3.77	10.00	11.15	0.67	2.56	2.80	3.05	11.72	12.81	95	3.92	A	A+	4.20	6.46	2154	1.51
	1.5+3.5+7.1	1.24	2.89	5.87	---	---	4.09	10.00	11.18	0.73	2.51	2.79	3.36	11.49	12.77	95	4.00	A	A+	4.23	6.46	2138	1.49
	1.5+4.2+4.2	1.52	4.24	4.24	---	---	3.46	10.00	10.90	0.68	2.69	2.92	3.10	12.32	13.36	95	3.72	A	A+	4.12	6.46	2194	1.53
	1.5+4.2+5.0	1.40	3.93	4.67	---	---	3.69	10.00	11.03	0.71	2.59	2.82	3.23	11.86	12.91	95	3.87	A	A+	4.18	6.46	2162	1.52
	1.5+4.2+6.0	1.28	3.59	5.13	---	---	3.98	10.00	11.27	0.71	2.54	2.80	3.27	11.63	12.81	95	3.95	A	A+	4.21	6.46	2147	1.5
	1.5+4.2+7.1	1.17	3.28	5.55	---	---	4.29	10.00	11.30	0.76	2.49	2.78	3.48	11.40	12.72	95	4.03	A	A+	4.24	6.46	2132	1.48
	1.5+5.0+5.0	1.30	4.35	4.35	---	---	3.92	10.00	11.17	0.71	2.50	2.83	3.23	11.45	12.95	95	4.00	A	A+	4.19	6.46	2156	1.52
	1.5+5.0+6.0	1.20	4.00	4.80	---	---	4.21	10.00	11.41	0.71	2.46	2.75	3.27	11.26	12.59	95	4.08	A	A+	4.22	6.46	2140	1.5
	1.5+5.0+7.1	1.10	3.68	5.22	---	---	4.53	10.00	11.44	0.79	2.41	2.73	3.61	11.03	12.49	95	4.16	A	A+	4.25	6.46	2125	1.48
	1.5+6.0+6.0	1.11	4.44	4.44	---	---	4.50	10.00	11.65	0.72	2.42	2.67	3.31	11.08	12.22	95	4.14	A	A+	4.24	6.46	2133	1.49
	1.5+6.0+7.1	1.32	3.97	4.70	---	---	4.81	10.00	11.68	0.79	2.40	2.66	3.61	10.99	12.17	95	4.18	A	A+	4.26	6.46	2119	1.48

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
5MXM90N2V1B	2.0+2.0+2.0	2.50	2.50	2.50	---	---	2.33	7.50	10.49	0.50	1.77	2.50	2.28	8.11	11.44	95	4.24	A	A+	4.03	4.80	1665	0.81
	2.0+2.0+2.5	2.46	2.46	3.08	---	---	2.48	8.00	10.57	0.52	1.92	2.54	2.37	8.79	11.62	95	4.18	A	A+	4.04	4.80	1660	0.8
	2.0+2.0+3.5	2.40	2.40	4.20	---	---	2.77	9.00	10.68	0.56	2.27	2.66	2.58	10.39	12.17	95	3.98	A	A+	4.06	5.60	1931	1.15
	2.0+2.0+4.2	2.29	2.29	4.81	---	---	2.97	9.40	10.68	0.60	2.47	2.66	2.75	11.31	12.17	95	3.81	A	A+	4.07	5.60	1925	1.14
	2.0+2.0+5.0	2.22	2.22	5.56	---	---	3.20	10.00	10.90	0.61	2.76	2.82	2.80	12.64	12.91	95	3.63	A	A+	4.16	6.46	2174	1.52
	2.0+2.0+6.0	2.00	2.00	6.00	---	---	3.49	10.00	11.14	0.62	2.72	2.80	2.84	12.45	12.81	95	3.68	A	A+	4.19	6.46	2158	1.5
	2.0+2.0+7.1	1.80	1.80	6.40	---	---	3.80	10.00	11.18	0.66	2.67	2.79	3.01	12.22	12.77	95	3.75	A	A+	4.22	6.46	2142	1.48
	2.0+2.5+2.5	2.43	3.04	3.04	---	---	2.62	8.50	10.59	0.54	2.15	2.63	2.45	9.84	12.04	95	3.97	A	A+	4.07	5.00	1716	0.89
	2.0+2.5+3.5	2.33	2.91	4.07	---	---	2.92	9.30	10.68	0.58	2.45	2.66	2.67	11.22	12.17	95	3.80	A	A+	4.09	5.60	1913	1.14
	2.0+2.5+4.2	2.30	2.87	4.83	---	---	3.12	10.00	10.77	0.63	2.77	2.87	2.88	12.68	13.14	95	3.62	A	A+	4.11	5.60	1908	1.14
	2.0+2.5+5.0	2.11	2.63	5.26	---	---	3.35	10.00	11.11	0.63	2.73	2.82	2.88	12.50	12.91	95	3.67	A	A+	4.19	6.46	2154	1.51
	2.0+2.5+6.0	1.90	2.38	5.71	---	---	3.63	10.00	11.14	0.64	2.68	2.80	2.93	12.27	12.81	95	3.74	A	A+	4.22	6.46	2139	1.49
	2.0+2.5+7.1	1.72	2.16	6.12	---	---	3.95	10.00	11.18	0.69	2.66	2.79	3.14	12.18	12.77	95	3.77	A	A+	4.25	6.46	2124	1.48
	2.0+3.5+3.5	2.22	3.89	3.89	---	---	3.20	10.00	10.77	0.65	2.76	2.87	2.97	12.64	13.14	95	3.63	A	A+	4.25	6.46	2126	1.52
	2.0+3.5+4.2	2.06	3.61	4.33	---	---	3.41	10.00	10.97	0.68	2.75	2.97	3.10	12.59	13.59	95	3.64	A	A+	4.26	6.46	2120	1.52
	2.0+3.5+5.0	1.90	3.33	4.76	---	---	3.63	10.00	11.34	0.68	2.73	3.04	3.10	12.50	13.91	95	3.67	A	A+	4.32	6.46	2090	1.51
	2.0+3.5+6.0	1.74	3.04	5.22	---	---	3.92	10.00	11.34	0.69	2.68	2.80	3.14	12.27	12.81	95	3.74	A	A+	4.35	6.46	2076	1.49
	2.0+3.5+7.1	1.59	2.78	5.63	---	---	4.23	10.00	11.35	0.76	2.72	2.79	3.48	12.45	12.77	95	3.69	A	A+	4.38	6.46	2062	1.47
	2.0+4.2+4.2	1.92	4.04	4.04	---	---	3.60	10.00	10.98	0.70	2.73	2.97	3.18	12.50	13.59	95	3.67	A	A+	4.28	6.46	2113	1.52
	2.0+4.2+5.0	1.79	3.75	4.46	---	---	3.84	10.00	11.35	0.72	2.71	3.04	3.31	12.41	13.91	95	3.70	A	A+	4.34	6.46	2084	1.51
	2.0+4.2+6.0	1.64	3.44	4.92	---	---	4.12	10.00	11.37	0.73	2.60	2.80	3.36	11.90	12.81	95	3.85	A	A+	4.37	6.46	2069	1.49
	2.0+4.2+7.1	1.50	3.16	5.34	---	---	4.44	10.00	11.40	0.78	2.55	2.78	3.57	11.68	12.72	95	3.92	A	A+	4.40	6.46	2055	1.47
	2.0+5.0+5.0	1.67	4.17	4.17	---	---	4.07	10.00	11.06	0.75	2.59	2.83	3.44	11.86	12.95	95	3.87	A	A+	4.35	6.46	2077	1.5
	2.0+5.0+6.0	1.54	3.85	4.62	---	---	4.36	10.00	11.29	0.74	2.55	2.75	3.40	11.68	12.59	95	3.92	A	A+	4.38	6.46	2063	1.48
	2.0+5.0+7.1	1.42	3.55	5.04	---	---	4.67	10.00	11.33	0.81	2.53	2.73	3.70	11.58	12.49	95	3.95	A	A+	4.41	6.46	2049	1.46
	2.0+6.0+6.0	1.43	4.29	4.29	---	---	4.64	10.00	11.53	0.77	2.44	2.67	3.53	11.17	12.22	95	4.11	A	A+	4.39	6.46	2057	1.48
	2.0+6.0+7.1	1.32	3.97	4.70	---	---	4.96	10.00	11.56	0.82	2.39	2.66	3.74	10.94	12.17	95	4.20	A	A+	4.42	6.46	2043	1.46
	2.5+2.5+2.5	3.33	3.33	3.33	---	---	2.77	10.00	10.72	0.56	2.67	2.66	2.58	12.22	12.17	95	3.76	A	A+	4.09	5.00	1709	0.88
	2.5+2.5+3.5	2.94	2.94	4.12	---	---	3.06	10.00	10.92	0.63	2.63	2.74	2.88	12.04	12.54	95	3.81	A	A+	4.11	5.60	1906	1.13
	2.5+2.5+4.2	2.72	2.72	4.57	---	---	3.26	10.00	11.04	0.65	2.61	2.87	2.97	11.95	13.14	95	3.84	A	A+	4.12	5.60	1900	1.13
	2.5+2.5+5.0	2.50	2.50	5.00	---	---	3.49	10.00	11.33	0.66	2.51	3.04	3.01	11.49	13.91	95	4.00	A	A+	4.20	6.46	2152	1.5
	2.5+2.5+6.0	2.27	2.27	5.45	---	---	3.77	10.00	11.35	0.67	2.46	2.80	3.05	11.26	12.81	95	4.07	A	A+	4.23	6.46	2136	1.48
	2.5+2.5+7.1	2.07	2.07	5.87	---	---	4.09	10.00	11.37	0.73	2.41	2.79	3.36	11.03	12.77	95	4.15	A	A+	4.26	6.46	2121	1.46
	2.5+3.5+3.5	2.63	3.68	3.68	---	---	3.35	10.00	11.19	0.68	2.57	3.08	3.10	11.77	14.10	95	3.90	A	A+	4.15	6.46	2176	1.51
	2.5+3.5+4.2	2.45	3.43	4.12	---	---	3.55	10.00	11.20	0.70	2.55	3.08	3.18	11.68	14.10	95	3.93	A	A+	4.16	6.46	2170	1.51
	2.5+3.5+5.0	2.27	3.18	4.55	---	---	3.77	10.00	11.34	0.71	2.45	3.04	3.23	11.22	13.91	95	4.09	A	A+	4.22	6.46	2139	1.49
	2.5+3.5+6.0	2.08	2.92	5.00	---	---	4.07	10.00	11.35	0.71	2.40	2.80	3.27	10.99	12.81	95	4.17	A	A+	4.25	6.46	2124	1.48
	2.5+3.5+7.1	1.91	2.67	5.42	---	---	4.39	10.00	11.40	0.78	2.36	2.79	3.57	10.81	12.77	95	4.25	A	A+	4.28	6.46	2110	1.46
	2.5+4.2+4.2	2.29	3.85	3.85	---	---	3.75	10.00	11.20	0.72	2.53	3.08	3.31	11.58	14.10	95	3.96	A	A+	4.18	6.46	2163	1.5
	2.5+4.2+5.0	2.14	3.59	4.27	---	---	3.98	10.00	11.35	0.75	2.43	3.04	3.44	11.13	13.91	95	4.12	A	A+	4.24	6.46	2133	1.49
	2.5+4.2+6.0	1.97	3.31	4.72	---	---	4.26	10.00	11.37	0.76	2.39	2.80	3.48	10.94	12.81	95	4.20	A	A+	4.27	6.46	2118	1.47
	2.5+4.2+7.1	1.81	3.04	5.14	---	---	4.58	10.00	11.40	0.81	2.34	2.78	3.70	10.71	12.72	95	4.28	A	A+	4.30	6.46	2103	1.45
	2.5+5.0+5.0	2.00	4.00	4.00	---	---	4.21	10.00	11.06	0.78	2.41	2.83	3.57	11.03	12.95	95	4.15	A	A+	4.25	6.46	2126	1.49
	2.5+5.0+6.0	1.85	3.70	4.44	---	---	4.50	10.00	11.29	0.79	2.37	2.75	3.61	10.85	12.59	95	4.23	A	A+	4.28	6.46	2111	1.47
	2.5+5.0+7.1	1.71	3.42	4.86	---	---	4.81	10.00	11.33	0.84	2.33	2.73	3.83	10.67	12.49	95	4.31	A	A+	4.31	6.46	2097	1.45
	2.5+6.0+6.0	1.72	4.14	4.14	---	---	4.78	10.00	11.53	0.80	2.35	2.67	3.66	10.76	12.22	95	4.26	A	A+	4.29	6.46	2105	1.46
	2.5+6.0+7.1	1.60	3.85	4.55	---	---	5.10	10.00	11.56	0.85	2.31	2.66	3.87	10.58	12.17	95	4.34	A	A+	4.32	6.46	2091	1.45
	3.5+3.5+3.5	3.33	3.33	3.33	---	---	3.63	10.00	11.19	0.72	2.66	3.08	3.31	12.18	14.10	95	3.77	A	A+	4.28	6.46	2111	1.48
	3.5+3.5+4.2	3.13	3.13	3.75	---	---	3.84	10.00	11.20	0.75	2.63	3.08	3.44	12.04	14.10	95	3.80	A	A+	4.29	6.46	2105	1.48
	3.5+3.5+5.0	2.92	2.92	4.17	---	---	4.07	10.00	11.35	0.78	2.53	3.04	3.57	11.58	13.91	95	3.96	A	A+	4.35	6.46	2076	1.47
	3.5+3.5+6.0	2.69	2.69	4.62	---	---	4.36	10.00	11.38	0.79	2.48	2.80	3.61	11.36	12.81	95	4.04	A	A+	4.38	6.46	2062	1.45
	3.5+3.5+7.1	2.48	2.48	5.04	---	---	4.67	10.00	11.39	0.84	2.43	2.78	3.83	11.13	12.72	95	4.12	A	A+	4.41	6.46	2048	1.43
	3.5+4.2+4.2	2.94	3.53	3.53	---	---	4.04	10.00	11.21	0.80	2.61	3.07	3.66	11.95	14.05	95	3.84	A	A+	4.31	6.46	2098	1.48
	3.5+4.2+5.0	2.76	3.31	3.94	---	---	4.26	10.00	11.22	0.80	2.51	2.87	3.66	11.49	13.14	95	4.00	A	A+	4.37	6.46	2070	1.46
	3.5+4.2+6.0	2.55	3.07	4.38	---	---	4.55	10.00	11.25	0.82	2.46	2.79	3.74	11.26	12.77	95	4.07	A	A+	4.40	6.46	2055	1.45
	3.5+4.2+7.1	2.36	2.84	4.80	---	---	4.88	10.00	11.27	0.89	2.41	2.78	4.09	11.03	12.72	95	4.15	A	A+	4.43	6.46	2042	1.43
	3.5+5.0+5.0	2.59	3.70	3.70	---	---	4.50	10.00	11.07	0.84	2.49	2.82	3.83	11.40	12.91	95	4.03	A	A+	4.38	6.46	2063	1.46
	3.5+5.0+6.0	2.41	3.45	4.14	---	---	4.78	10.00	11.29	0.85	2.44	2.74	3.87	11.17	12.54	95	4.11	A	A+	4.41	6.46	2049	1.44
	3.5+5.0+7.1	2.24	3.21	4.55	---	---	5.10	10.00	11.34	0.89	2.39	2.73	4.09	10.94	12.49	95	4.19	A	A+	4.44	6.46	2036	1.42
	3.5+6.0+6.0	2.26	3.87	3.87	---	---	5.07	10.00	11.53	0.86	2.42	2.67	3.91	11.08	12.22	95	4.14	A	A+	4.42	6.46	2043	1.44
	4.2+4.2+4.2	3.33	3.33	3.33	---	---	4.23	10.00	11.22	0.83	2.59	3.07	3.79	11.86	14.05	95	3.87	A	A+	4.32	6.46	2091	1.47
	4.2+4.2+5.0	3.13	3.13	3.73	---	---	4.47	10.00	11.25	0.86	2.49	2.87	3.91	11.40	13.14	95	4.03	A	A+	4.38	6.46	2063	1.46
	4.2+4.2+6.0	2.92	2.92	4.17	---	---	4.75	10.00	11.27	0.86	2.44	2.79	3.96	11.17	12.77	95	4.11	A	A+	4.41	6.46	2049	1.44
	4.2+4.2+7.1	2.71	2.71	4.58	---	---	5.07	10.00	11.30	0.92	2.39	2.78	4.22	10.94	12.72	95	4.19	A	A+	4.44	6.46	2036	1.42
	4.2+5.0+5.0	2.96	3.52	3.52	---	---	4.70	10.00	11.07	0.86	2.47	2.82	3.91	11.31	12.91	95	4.06	A	A+	4.39	6.46	2057	1.46
	4.2+5.0+6.0	2.76	3.29	3.95	---	---	4.99	10.00	11.30	0.87	2.42	2.74	4.00	11.08	12.54	95	4.14	A	A+	4.42	6.46	2043	1.44
	5.0+5.0+5.0	3.33	3.33	3.33	---	---	4.93	10.00	11.20	0.89	2.45	2.78	4.09	11.22	12.72	95	4.09	A	A+	4.41	6.46	2051	1.45
	1.5+1.5+1.5+1.5	1.83	1.83	1.83	1.83	---	2.33	7.30	10.12	0.43	1.71	2.14	1.98	7.83	9.79	95	4.29	A	A+	4.01	6.46	2252	1.5
	1.5+1.5+1.5+2.0	1.85	1.85	1.85	2.46	---	2.48	8.00	10.30	0.45	1.93	2.24	2.06	8.84	10.25	95	4.15	A	A+	4.03	6.46	2242	1.49
	1.5+1.5+1.5+2.5	1.82	1.82	1.82	3.04	---	2.63	8.50	10.41	0.47	2.07	2.24	2.15	9.48	10.25	95	4.11	A	A+	4.05	6.46	2233	1.49
	1.5+1.5+1.5+3.5	1.74	1.74	1.74	4.07	---	2.92	9.30	10.60	0.51	2.32	2.53	2.32	10.62	11.58	95	4.02	A	A+	4.08	6.46	2214	1.48
	1.5+1.5+1.5+4.2	1.72	1.72	1.72	4.83	---	3.12	10.00	11.17	0.55	2.60	2.79	2.54	11.90	12.77	95	3.85	A	A+	4.08	6.46	2216	1.48
	1.5+1.5+1.5+5.0	1.58	1.58	1.58	5.26	---	3.35	10.00	11.29	0.55	2.50	2.74	2.54	11.45	12.54	95	4.01	A	A+	4.15	6.46	2179	1.47
	1.5+1.5+1.5+6.0	1.43	1.43	1.43	5.71	---	3.63	10.00	11.53	0.56	2.45	2.67	2.58	11.22	12.22	95	4.09	A	A+	4.18	6.46	2161	1.46
	1.5+1.5+1.5+7.1	1.29	1.29	1.29	6.12	---	3.95	10.00	11.56	0.62	2.40	2.65	2.84	10.99	12.13	95	4.18	A	A+	4.21	6.46	2145	1.46
	1.5+1.5+2.0+2.0	1.82	1.82	2.43	2.43	---	2.63	8.50	10.49	0.47	2.04	2.28	2.15	9.34	10.43	95	4.18	A	A+	4.13	6.46	2187	1.49
	1.5+1.5+2.0+2.5	1.80	1.80	2.40	3.00	---	2.77	9.00	10.59	0.49	2.19	2.54	2.24	10.03	11.62	95	4.12	A	A+	4.15	6.46	2178	1.49
	1.5+1.5+2.0+3.5	1.76	1.76	2.35	4.12	---	3.06	10.00	10.69	0.55	2.52	2.53	2.54	11.54	11.58	95	3.98	A	A+	4.18	6.46	2160	1.48
	1.5+1.5+2.0+4.2	1.63	1.63	2.17	4.57	---	3.26	10.00	11.17	0.57	2.50	2.79	2.62	11.45	12.77	95	4.01	A	A+	4.18	6.46	2163	1.48

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
5MXM90N2V1B	1.5+1.5+2.0+5.0	1.50	1.50	2.00	5.00	---	3.49	10.00	11.29	0.60	2.40	2.74	2.75	10.99	12.54	95	4.18	A	A+	4.25	6.46	2128	1.46
	1.5+1.5+2.0+6.0	1.36	1.36	1.82	5.45	---	3.77	10.00	11.53	0.58	2.35	2.67	2.67	10.76	12.22	95	4.26	A	A+	4.28	6.46	2112	1.46
	1.5+1.5+2.0+7.1	1.24	1.24	1.65	5.87	---	4.09	10.00	11.56	0.65	2.31	2.65	2.97	10.58	12.13	95	4.34	A	A+	4.31	6.46	2096	1.46
	1.5+1.5+2.5+2.5	1.88	1.88	3.13	3.13	---	2.92	10.00	10.59	0.54	2.54	2.54	2.45	11.63	11.62	95	3.95	A	A+	4.17	6.46	2168	1.48
	1.5+1.5+2.5+3.5	1.67	1.67	2.78	3.89	---	3.20	10.00	11.16	0.57	2.50	2.80	2.62	11.45	12.81	95	4.01	A	A+	4.18	6.46	2162	1.48
	1.5+1.5+2.5+4.2	1.55	1.55	2.58	4.33	---	3.41	10.00	11.17	0.59	2.48	2.79	2.71	11.36	12.77	95	4.05	A	A+	4.19	6.46	2154	1.47
	1.5+1.5+2.5+5.0	1.43	1.43	2.38	4.76	---	3.63	10.00	11.29	0.62	2.38	2.74	2.84	10.90	12.54	95	4.21	A	A+	4.26	6.46	2120	1.46
	1.5+1.5+2.5+6.0	1.30	1.30	2.17	5.22	---	3.92	10.00	11.53	0.63	2.34	2.67	2.88	10.71	12.22	95	4.29	A	A+	4.30	6.46	2104	1.46
	1.5+1.5+2.5+7.1	1.19	1.19	1.98	5.63	---	4.23	10.00	11.56	0.67	2.29	2.65	3.05	10.49	12.13	95	4.37	A	A+	4.33	6.46	2088	1.45
	1.5+1.5+3.5+3.5	1.50	1.50	3.50	3.50	---	3.49	10.00	11.17	0.62	2.48	2.79	2.84	11.36	12.77	95	4.05	A	A+	4.20	6.46	2154	1.47
	1.5+1.5+3.5+4.2	1.40	1.40	3.27	3.93	---	3.69	10.00	11.17	0.64	2.46	2.79	2.93	11.26	12.77	95	4.08	A	A+	4.21	6.46	2146	1.47
	1.5+1.5+3.5+5.0	1.30	1.30	3.04	4.35	---	3.92	10.00	11.30	0.67	2.36	2.74	3.05	10.81	12.54	95	4.24	A	A+	4.28	6.46	2112	1.46
	1.5+1.5+3.5+6.0	1.20	1.20	2.80	4.80	---	4.21	10.00	11.54	0.68	2.32	2.66	3.10	10.62	12.17	95	4.32	A	A+	4.31	6.46	2096	1.45
	1.5+1.5+3.5+7.1	1.10	1.10	2.57	5.22	---	4.53	10.00	11.58	0.74	2.28	2.65	3.40	10.44	12.13	95	4.40	A	A+	4.34	6.46	2080	1.45
	1.5+1.5+4.2+4.2	1.32	1.32	3.68	3.68	---	3.90	10.00	11.18	0.69	2.44	2.79	3.14	11.17	12.77	95	4.11	A	A+	4.23	6.46	2137	1.46
	1.5+1.5+4.2+5.0	1.23	1.23	3.44	4.10	---	4.12	10.00	11.32	0.71	2.34	2.74	3.27	10.71	12.54	95	4.27	A	A+	4.30	6.46	2103	1.45
	1.5+1.5+4.2+6.0	1.14	1.14	3.18	4.55	---	4.41	10.00	11.55	0.72	2.30	2.66	3.31	10.53	12.17	95	4.36	A	A+	4.33	6.46	2088	1.45
	1.5+1.5+4.2+7.1	1.05	1.05	2.94	4.97	---	4.72	10.00	11.59	0.76	2.26	2.65	3.48	10.35	12.13	95	4.44	A	A+	4.36	6.46	2072	1.45
	1.5+1.5+5.0+5.0	1.15	1.15	3.85	3.85	---	4.36	10.00	11.45	0.71	2.33	2.70	3.27	10.67	12.36	95	4.31	A	A+	4.31	6.46	2095	1.45
	1.5+1.5+5.0+6.0	1.07	1.07	3.57	4.29	---	4.64	10.00	11.68	0.72	2.28	2.67	3.31	10.44	12.22	95	4.39	A	A+	4.34	6.46	2080	1.45
	1.5+1.5+5.0+7.1	0.99	0.99	3.31	4.70	---	4.96	10.00	11.72	0.79	2.24	2.65	3.61	10.26	12.13	95	4.47	A	A+	4.38	6.46	2065	1.44
	1.5+1.5+6.0+6.0	1.00	1.00	4.00	4.00	---	4.93	10.00	11.92	0.75	2.27	2.59	3.44	10.39	11.85	95	4.42	A	A+	4.36	6.46	2072	1.44
	1.5+2.0+2.0+2.0	1.90	2.53	2.53	2.53	---	2.77	9.50	10.68	0.49	2.31	2.54	2.24	10.58	11.62	95	4.11	A	A+	4.15	6.46	2176	1.48
	1.5+2.0+2.0+2.5	1.88	2.50	2.50	3.13	---	2.92	10.00	10.77	0.54	2.42	2.54	2.45	11.08	11.62	95	4.15	A	A+	4.17	6.46	2167	1.48
	1.5+2.0+2.0+3.5	1.67	2.22	2.22	3.89	---	3.20	10.00	11.16	0.57	2.40	2.80	2.62	10.99	12.81	95	4.18	A	A+	4.18	6.46	2161	1.47
	1.5+2.0+2.0+4.2	1.55	2.06	2.06	4.33	---	3.41	10.00	11.17	0.59	2.38	2.79	2.71	10.90	12.77	95	4.21	A	A+	4.20	6.46	2153	1.47
	1.5+2.0+2.0+5.0	1.43	1.90	1.90	4.76	---	3.63	10.00	11.29	0.62	2.35	2.74	2.84	10.76	12.54	95	4.26	A	A+	4.26	6.46	2119	1.46
	1.5+2.0+2.0+6.0	1.30	1.74	1.74	5.22	---	3.92	10.00	11.53	0.63	2.31	2.67	2.88	10.58	12.22	95	4.34	A	A+	4.30	6.46	2103	1.45
	1.5+2.0+2.0+7.1	1.19	1.59	1.59	5.63	---	4.23	10.00	11.56	0.67	2.29	2.65	3.05	10.49	12.13	95	4.38	A	A+	4.33	6.46	2087	1.45
	1.5+2.0+2.5+2.5	1.76	2.35	2.94	2.94	---	3.06	10.00	10.77	0.55	2.51	2.54	2.54	11.49	11.62	95	3.99	A	A+	4.19	6.46	2158	1.48
	1.5+2.0+2.5+3.5	1.58	2.11	2.63	3.68	---	3.35	10.00	11.16	0.59	2.47	2.80	2.71	11.31	12.81	95	4.05	A	A+	4.20	6.46	2153	1.47
	1.5+2.0+2.5+4.2	1.47	1.96	2.45	4.12	---	3.55	10.00	11.17	0.62	2.45	2.79	2.84	11.22	12.77	95	4.09	A	A+	4.21	6.46	2145	1.46
	1.5+2.0+2.5+5.0	1.36	1.82	2.27	4.55	---	3.77	10.00	11.29	0.64	2.36	2.74	2.93	10.81	12.54	95	4.25	A	A+	4.28	6.46	2111	1.45
	1.5+2.0+2.5+6.0	1.25	1.67	2.08	5.00	---	4.07	10.00	11.53	0.65	2.31	2.67	2.97	10.58	12.22	95	4.33	A	A+	4.31	6.46	2095	1.45
	1.5+2.0+2.5+7.1	1.15	1.53	1.91	5.42	---	4.39	10.00	11.56	0.70	2.27	2.65	3.18	10.39	12.13	95	4.41	A	A+	4.35	6.46	2079	1.45
	1.5+2.0+3.5+3.5	1.43	1.90	3.33	3.33	---	3.63	10.00	11.17	0.64	2.45	2.79	2.93	11.22	12.77	95	4.09	A	A+	4.21	6.46	2144	1.46
	1.5+2.0+3.5+4.2	1.34	1.79	3.13	3.75	---	3.84	10.00	11.17	0.69	2.43	2.79	3.14	11.13	12.77	95	4.12	A	A+	4.23	6.46	2136	1.46
	1.5+2.0+3.5+5.0	1.25	1.67	2.92	4.17	---	4.07	10.00	11.30	0.69	2.34	2.74	3.14	10.71	12.54	95	4.28	A	A+	4.30	6.46	2102	1.45
	1.5+2.0+3.5+6.0	1.15	1.54	2.69	4.62	---	4.36	10.00	11.54	0.70	2.30	2.66	3.18	10.53	12.17	95	4.36	A	A+	4.33	6.46	2087	1.45
	1.5+2.0+3.5+7.1	1.06	1.42	2.48	5.04	---	4.67	10.00	11.58	0.76	2.25	2.65	3.48	10.30	12.13	95	4.45	A	A+	4.36	6.46	2071	1.44
	1.5+2.0+4.2+4.2	1.26	1.68	3.53	3.53	---	4.04	10.00	11.18	0.71	2.41	2.79	3.23	11.03	12.77	95	4.15	A	A+	4.25	6.46	2128	1.46
	1.5+2.0+4.2+5.0	1.18	1.57	3.31	3.94	---	4.26	10.00	11.32	0.73	2.32	2.74	3.36	10.62	12.54	95	4.31	A	A+	4.31	6.46	2094	1.45
	1.5+2.0+4.2+6.0	1.09	1.46	3.07	4.38	---	4.55	10.00	11.55	0.74	2.28	2.66	3.40	10.44	12.17	95	4.40	A	A+	4.35	6.46	2079	1.44
	1.5+2.0+4.2+7.1	1.01	1.35	2.84	4.80	---	4.88	10.00	11.59	0.79	2.24	2.65	3.61	10.26	12.13	95	4.48	A	A+	4.38	6.46	2064	1.44
	1.5+2.0+5.0+5.0	1.11	1.48	3.70	3.70	---	4.50	10.00	11.45	0.74	2.31	2.70	3.40	10.58	12.36	95	4.35	A	A+	4.33	6.46	2086	1.44
	1.5+2.0+5.0+6.0	1.03	1.38	3.45	4.14	---	4.78	10.00	11.68	0.77	2.26	2.67	3.53	10.35	12.22	95	4.43	A	A+	4.36	6.46	2071	1.44
	1.5+2.0+5.0+7.1	0.96	1.28	3.21	4.55	---	5.10	10.00	11.72	0.82	2.22	2.65	3.74	10.17	12.13	95	4.51	A	A+	4.40	6.46	2056	1.43
	1.5+2.0+6.0+6.0	0.97	1.29	3.87	3.87	---	5.07	10.00	11.92	0.78	2.25	2.59	3.57	10.30	11.85	95	4.46	A	A+	4.38	6.46	2063	1.43
	1.5+2.5+2.5+2.5	1.67	2.78	2.78	2.78	---	3.20	10.00	11.15	0.57	2.49	2.80	2.62	11.40	12.81	95	4.02	A	A+	4.19	6.46	2158	1.46
	1.5+2.5+2.5+3.5	1.50	2.50	2.50	3.50	---	3.49	10.00	11.16	0.62	2.45	2.80	2.84	11.22	12.81	95	4.09	A	A+	4.22	6.46	2143	1.45
	1.5+2.5+2.5+4.2	1.40	2.34	2.34	3.93	---	3.69	10.00	11.17	0.64	2.43	2.79	2.93	11.13	12.77	95	4.12	A	A+	4.23	6.46	2135	1.45
	1.5+2.5+2.5+5.0	1.30	2.17	2.17	4.35	---	3.92	10.00	11.29	0.67	2.34	2.74	3.05	10.71	12.54	95	4.28	A	A+	4.30	6.46	2101	1.44
	1.5+2.5+2.5+6.0	1.20	2.00	2.00	4.80	---	4.21	10.00	11.53	0.68	2.30	2.67	3.10	10.53	12.22	95	4.36	A	A+	4.33	6.46	2085	1.43
	1.5+2.5+2.5+7.1	1.10	1.84	1.84	5.22	---	4.53	10.00	11.56	0.74	2.25	2.65	3.40	10.30	12.13	95	4.45	A	A+	4.36	6.46	2070	1.43
	1.5+2.5+3.5+3.5	1.36	2.27	3.18	3.18	---	3.77	10.00	11.17	0.67	2.43	2.79	3.05	11.13	12.77	95	4.12	A	A+	4.23	6.46	2134	1.45
	1.5+2.5+3.5+4.2	1.28	2.14	2.99	3.59	---	3.98	10.00	11.17	0.71	2.41	2.79	3.27	11.03	12.77	95	4.15	A	A+	4.25	6.46	2127	1.45
	1.5+2.5+3.5+5.0	1.20	2.00	2.80	4.00	---	4.21	10.00	11.30	0.71	2.32	2.74	3.27	10.62	12.54	95	4.31	A	A+	4.32	6.46	2093	1.43
	1.5+2.5+3.5+6.0	1.11	1.85	2.59	4.44	---	4.50	10.00	11.54	0.72	2.28	2.66	3.31	10.44	12.17	95	4.40	A	A+	4.35	6.46	2078	1.43
	1.5+2.5+3.5+7.1	1.03	1.71	2.40	4.86	---	4.81	10.00	11.58	0.79	2.24	2.65	3.61	10.26	12.13	95	4.48	A	A+	4.38	6.46	2062	1.43
	1.5+2.5+4.2+4.2	1.21	2.02	3.39	3.39	---	4.18	10.00	11.18	0.73	2.40	2.79	3.36	10.99	12.77	95	4.18	A	A+	4.27	6.46	2118	1.44
	1.5+2.5+4.2+5.0	1.14	1.89	3.18	3.79	---	4.41	10.00	11.32	0.76	2.31	2.74	3.48	10.58	12.54	95	4.35	A	A+	4.33	6.46	2085	1.43
	1.5+2.5+4.2+6.0	1.06	1.76	2.96	4.23	---	4.70	10.00	11.55	0.77	2.26	2.66	3.53	10.35	12.17	95	4.43	A	A+	4.37	6.46	2070	1.43
	1.5+2.5+4.2+7.1	0.98	1.63	2.75	4.64	---	5.02	10.00	11.59	0.85	2.22	2.65	3.87	10.17	12.13	95	4.51	A	A+	4.40	6.46	2055	1.42
	1.5+2.5+5.0+5.0	1.07	1.79	3.57	3.57	---	4.18	10.00	11.46	0.73	2.29	2.79	3.36	10.49	12.77	95	4.38	A	A+	4.35	6.46	2077	1.43
	1.5+2.5+5.0+6.0	1.00	1.67	3.33	4.00	---	4.41	10.00	11.48	0.76	2.25	2.74	3.48	10.30	12.54	95	4.46	A	A+	4.38	6.46	2062	1.42
	1.5+3.5+3.5+3.5	1.25	2.92	2.92	2.92	---	4.07	10.00	11.17	0.71	2.43	2.79	3.27	11.13	12.77	95	4.12	A	A+	4.24	6.46	2132	1.42
	1.5+3.5+3.5+4.2	1.18	2.76	2.76	3.31	---	4.26	10.00	11.18	0.76	2.41	2.79	3.48	11.03	12.77	95	4.15	A	A+	4.25	6.46	2124	1.41
	1.5+3.5+3.5+5.0	1.11	2.59	2.59	3.70	---	4.50	10.00	11.32	0.79	2.32	2.74	3.61	10.62	12.54	95	4.31	A	A+	4.32	6.46	2091	1.4
	1.5+3.5+3.5+6.0	1.03	2.41	2.41	4.14	---	4.78	10.00	11.55	0.80	2.28	2.66	3.66	10.44	12.17	95	4.40	A	A+	4.35	6.46	2075	1.4
	1.5+3.5+3.5+7.1	0.96	2.24	2.24	4.55	---	5.10	10.00	11.59	0.85	2.24	2.65	3.87	10.26	12.13	95	4.48	A	A+	4.39	6.46	2060	1.39
	1.5+3.5+4.2+4.2	1.12	2.61	3.13	3.13	---	4.47	10.00	11.19	0.78	2.40	2.78	3.57	10.99	12.72	95	4.18	A	A+	4.27	6.46	2116	1.41
	1.5+3.5+4.2+5.0	1.06	2.46	2.96	3.52	---	4.70	10.00	11.33	0.81	2.31	2.74	3.70	10.58	12.54	95	4.35	A	A+	4.34	6.46	2083	1.4
	1.5+3.5+4.2+6.0	0.99	2.30	2.76	3.95	---	4.99	10.00	11.56	0.82	2.26	2.66	3.74	10.35	12.17	95	4.43	A	A+	4.37	6.46	2067	1.39
	1.5+3.5+5.0+5.0	1.00	2.33	3.33	3.33	---	4.93	10.00	11.45	0.85	2.29	2.70	3.87	10.49	12.36	95	4.38	A	A+	4.36	6.46	2075	1.39
	1.5+4.2+4.2+4.2	1.06	2.98	2.98	2.98	---	4.67	10.00	11.20	0.84	2.38	2.78	3.83	10.90	12.72	95	4.22	A	A+	4.29	6.46	2107	1.4
	1.5+4.2+4.2+5.0	1.01	2.82	2.82	3.36	---	4.90	10.00	11.34	0.86	2.29	2.73	3.96	10.49	12.49	95	4.38	A	A+	4.36	6.46	2075	1.39
	2.0+2.0+2.0+2.0	2.50	2.50	2.50	2.50	---	2.92	10.00	10.86	0.54	2.53	2.54	2.45	11.58	11.62	95	3.96	A	A+	4.17	6.46	2166	1.48
	2.0+2.0+2.0+2.5	2.35	2.35	2.35	2.94	---	3.06	10.00	10.95	0.55	2.51	2.54	2.54	11.49	11.62	95	3.99	A	A+	4.19	6.46	2157	1.47
	2.0+2.0+2.0+3.5	2.11	2.11	2.11	3.68	---	3.35	10.00	11.16	0.59	2.47	2.80	2.71	11.31	12.81	95	4.05	A	A+	4.20	6.46	2152	1.46

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
5MXM90N2V1B	2.0+2.0+2.0+4.2	1.96	1.96	1.96	4.12	---	3.55	10.00	11.17	0.62	2.45	2.79	2.84	11.22	12.77	95	4.09	A	A+	4.21	6.46	2144	1.46
	2.0+2.0+2.0+5.0	1.82	1.82	1.82	4.55	---	3.77	10.00	11.29	0.64	2.36	2.75	2.93	10.81	12.59	95	4.25	A	A+	4.28	6.46	2110	1.45
	2.0+2.0+2.0+6.0	1.67	1.67	1.67	5.00	---	4.07	10.00	11.53	0.65	2.31	2.67	2.97	10.58	12.22	95	4.33	A	A+	4.32	6.46	2094	1.45
	2.0+2.0+2.0+7.1	1.53	1.53	1.53	5.42	---	4.39	10.00	11.56	0.70	2.27	2.65	3.18	10.39	12.13	95	4.41	A	A+	4.35	6.46	2078	1.44
	2.0+2.0+2.5+2.5	2.22	2.22	2.78	2.78	---	3.20	10.00	11.15	0.57	2.49	2.80	2.62	11.40	12.81	95	4.02	A	A+	4.19	6.46	2159	1.47
	2.0+2.0+2.5+3.5	2.00	2.00	2.50	3.50	---	3.49	10.00	11.16	0.62	2.45	2.80	2.84	11.22	12.81	95	4.09	A	A+	4.22	6.46	2143	1.46
	2.0+2.0+2.5+4.2	1.87	1.87	2.34	3.93	---	3.69	10.00	11.17	0.64	2.43	2.79	2.93	11.13	12.77	95	4.12	A	A+	4.23	6.46	2135	1.46
	2.0+2.0+2.5+5.0	1.74	1.74	2.17	4.35	---	3.92	10.00	11.29	0.67	2.34	2.75	3.05	10.71	12.59	95	4.28	A	A+	4.30	6.46	2102	1.45
	2.0+2.0+2.5+6.0	1.60	1.60	2.00	4.80	---	4.21	10.00	11.53	0.68	2.30	2.67	3.10	10.53	12.22	95	4.36	A	A+	4.33	6.46	2086	1.44
	2.0+2.0+2.5+7.1	1.47	1.47	1.84	5.22	---	4.53	10.00	11.56	0.74	2.25	2.65	3.40	10.30	12.13	95	4.45	A	A+	4.36	6.46	2070	1.44
	2.0+2.0+3.5+3.5	1.82	1.82	3.18	3.18	---	3.77	10.00	11.17	0.67	2.43	2.79	3.05	11.13	12.77	95	4.12	A	A+	4.23	6.46	2135	1.46
	2.0+2.0+3.5+4.2	1.71	1.71	2.99	3.59	---	3.98	10.00	11.17	0.71	2.41	2.79	3.27	11.03	12.77	95	4.15	A	A+	4.25	6.46	2127	1.45
	2.0+2.0+3.5+5.0	1.60	1.60	2.80	4.00	---	4.21	10.00	11.30	0.71	2.32	2.74	3.27	10.62	12.54	95	4.31	A	A+	4.32	6.46	2093	1.44
	2.0+2.0+3.5+6.0	1.48	1.48	2.59	4.44	---	4.50	10.00	11.54	0.72	2.28	2.66	3.31	10.44	12.17	95	4.40	A	A+	4.35	6.46	2078	1.44
	2.0+2.0+3.5+7.1	1.37	1.37	2.40	4.86	---	4.81	10.00	11.58	0.79	2.24	2.65	3.61	10.26	12.13	95	4.48	A	A+	4.38	6.46	2063	1.43
	2.0+2.0+4.2+4.2	1.61	1.61	3.39	3.39	---	4.18	10.00	11.18	0.73	2.40	2.79	3.36	10.99	12.77	95	4.18	A	A+	4.26	6.46	2119	1.45
	2.0+2.0+4.2+5.0	1.52	1.52	3.18	3.79	---	4.41	10.00	11.32	0.76	2.31	2.74	3.48	10.58	12.54	95	4.35	A	A+	4.33	6.46	2085	1.44
	2.0+2.0+4.2+6.0	1.41	1.41	2.96	4.23	---	4.70	10.00	11.55	0.77	2.26	2.66	3.53	10.35	12.17	95	4.43	A	A+	4.37	6.46	2070	1.43
	2.0+2.0+4.2+7.1	1.31	1.31	2.75	4.64	---	5.02	10.00	11.59	0.85	2.22	2.65	3.87	10.17	12.13	95	4.51	A	A+	4.40	6.46	2055	1.43
	2.0+2.0+5.0+5.0	1.43	1.43	3.57	3.57	---	4.64	10.00	11.45	0.79	2.29	2.70	3.61	10.49	12.36	95	4.38	A	A+	4.35	6.46	2077	1.43
	2.0+2.0+5.0+6.0	1.33	1.33	3.33	4.00	---	4.93	10.00	11.68	0.80	2.25	2.67	3.66	10.30	12.22	95	4.46	A	A+	4.38	6.46	2062	1.43
	2.0+2.5+2.5+2.5	2.11	2.63	2.63	2.63	---	3.35	10.00	11.15	0.60	2.47	2.80	2.75	11.31	12.81	95	4.05	A	A+	4.20	6.46	2149	1.45
	2.0+2.5+2.5+3.5	1.90	2.38	2.38	3.33	---	3.63	10.00	11.16	0.64	2.43	2.80	2.93	11.13	12.81	95	4.12	A	A+	4.23	6.46	2134	1.45
	2.0+2.5+2.5+4.2	1.79	2.23	2.23	3.75	---	3.84	10.00	11.17	0.69	2.41	2.79	3.14	11.03	12.77	95	4.15	A	A+	4.25	6.46	2126	1.44
	2.0+2.5+2.5+5.0	1.67	2.08	2.08	4.17	---	4.07	10.00	11.29	0.69	2.32	2.75	3.14	10.62	12.59	95	4.31	A	A+	4.32	6.46	2093	1.43
	2.0+2.5+2.5+6.0	1.54	1.92	1.92	4.62	---	4.36	10.00	11.53	0.70	2.28	2.67	3.18	10.44	12.22	95	4.40	A	A+	4.35	6.46	2077	1.43
	2.0+2.5+2.5+7.1	1.42	1.77	1.77	5.04	---	4.67	10.00	11.56	0.77	2.24	2.65	3.53	10.26	12.13	95	4.48	A	A+	4.38	6.46	2062	1.42
	2.0+2.5+3.5+3.5	1.74	2.17	3.04	3.04	---	3.92	10.00	11.17	0.69	2.41	2.79	3.14	11.03	12.77	95	4.15	A	A+	4.25	6.46	2126	1.44
	2.0+2.5+3.5+4.2	1.64	2.05	2.87	3.44	---	4.12	10.00	11.17	0.73	2.40	2.79	3.36	10.99	12.77	95	4.18	A	A+	4.27	6.46	2118	1.44
	2.0+2.5+3.5+5.0	1.54	1.92	2.69	3.85	---	4.36	10.00	11.30	0.73	2.31	2.74	3.36	10.58	12.54	95	4.35	A	A+	4.33	6.46	2085	1.43
	2.0+2.5+3.5+6.0	1.43	1.79	2.50	4.29	---	4.64	10.00	11.54	0.77	2.26	2.66	3.53	10.35	12.17	95	4.43	A	A+	4.37	6.46	2070	1.42
	2.0+2.5+3.5+7.1	1.32	1.66	2.32	4.70	---	4.96	10.00	11.58	0.82	2.22	2.65	3.74	10.17	12.13	95	4.51	A	A+	4.40	6.46	2055	1.42
	2.0+2.5+4.2+4.2	1.55	1.94	3.26	3.26	---	4.32	10.00	11.18	0.76	2.38	2.79	3.48	10.90	12.77	95	4.22	A	A+	4.28	6.46	2110	1.43
	2.0+2.5+4.2+5.0	1.46	1.82	3.07	3.65	---	4.55	10.00	11.32	0.79	2.29	2.74	3.61	10.49	12.54	95	4.38	A	A+	4.35	6.46	2077	1.42
	2.0+2.5+4.2+6.0	1.36	1.70	2.86	4.08	---	4.85	10.00	11.55	0.80	2.25	2.66	3.66	10.30	12.17	95	4.46	A	A+	4.38	6.46	2062	1.42
	2.0+2.5+5.0+5.0	1.38	1.72	3.45	3.45	---	4.78	10.00	11.45	0.82	2.27	2.70	3.74	10.39	12.36	95	4.41	A	A+	4.37	6.46	2069	1.42
	2.0+2.5+5.0+6.0	1.29	1.61	3.23	3.87	---	5.07	10.00	11.68	0.83	2.23	2.67	3.79	10.21	12.22	95	4.49	A	A+	4.40	6.46	2054	1.42
	2.0+3.5+3.5+3.5	1.60	2.80	2.80	2.80	---	4.21	10.00	11.17	0.73	2.41	2.79	3.36	11.03	12.77	95	4.15	A	A+	4.26	6.46	2123	1.41
	2.0+3.5+3.5+4.2	1.52	2.65	2.65	3.18	---	4.41	10.00	11.18	0.79	2.40	2.79	3.61	10.99	12.77	95	4.18	A	A+	4.27	6.46	2115	1.4
	2.0+3.5+3.5+5.0	1.43	2.50	2.50	3.57	---	4.64	10.00	11.32	0.82	2.31	2.74	3.74	10.58	12.54	95	4.35	A	A+	4.34	6.46	2082	1.39
	2.0+3.5+3.5+6.0	1.33	2.33	2.33	4.00	---	4.93	10.00	11.55	0.82	2.26	2.66	3.74	10.35	12.17	95	4.43	A	A+	4.37	6.46	2067	1.39
	2.0+3.5+4.2+4.2	1.44	2.52	3.02	3.02	---	4.61	10.00	11.19	0.84	2.38	2.78	3.83	10.90	12.72	95	4.22	A	A+	4.29	6.46	2107	1.4
	2.0+3.5+4.2+5.0	1.36	2.38	2.86	3.40	---	4.85	10.00	11.33	0.84	2.29	2.74	3.83	10.49	12.54	95	4.38	A	A+	4.36	6.46	2075	1.39
	2.0+3.5+5.0+5.0	1.29	2.26	3.23	3.23	---	5.07	10.00	11.45	0.86	2.29	2.70	3.96	10.49	12.36	95	4.38	A	A+	4.36	6.46	2075	1.39
	2.0+4.2+4.2+4.2	1.37	2.88	2.88	2.88	---	4.81	10.00	11.20	0.86	2.36	2.78	3.96	10.81	12.72	95	4.25	A	A+	4.30	6.46	2099	1.4
	2.0+4.2+4.2+5.0	1.30	2.73	2.73	3.25	---	5.04	10.00	11.34	0.89	2.27	2.73	4.09	10.39	12.49	95	4.41	A	A+	4.37	6.46	2067	1.39
	2.5+2.5+2.5+2.5	2.50	2.50	2.50	2.50	---	3.49	10.00	11.15	0.62	2.45	2.80	2.84	11.22	12.81	95	4.09	A	A+	4.22	6.46	2141	1.45
	2.5+2.5+2.5+3.5	2.27	2.27	2.27	3.18	---	3.77	10.00	11.16	0.67	2.41	2.80	3.05	11.03	12.81	95	4.15	A	A+	4.25	6.46	2125	1.44
	2.5+2.5+2.5+4.2	2.14	2.14	2.14	3.59	---	3.98	10.00	11.17	0.71	2.40	2.79	3.27	10.99	12.77	95	4.18	A	A+	4.27	6.46	2118	1.43
	2.5+2.5+2.5+5.0	2.00	2.00	2.00	4.00	---	4.21	10.00	11.29	0.71	2.31	2.75	3.27	10.58	12.59	95	4.35	A	A+	4.33	6.46	2085	1.42
	2.5+2.5+2.5+6.0	1.85	1.85	1.85	4.44	---	4.50	10.00	11.53	0.72	2.26	2.67	3.31	10.35	12.22	95	4.43	A	A+	4.37	6.46	2069	1.42
	2.5+2.5+2.5+7.1	1.71	1.71	1.71	4.86	---	4.81	10.00	11.56	0.79	2.22	2.65	3.61	10.17	12.13	95	4.51	A	A+	4.40	6.46	2054	1.42
	2.5+2.5+3.5+3.5	2.08	2.08	2.92	2.92	---	4.07	10.00	11.17	0.71	2.40	2.79	3.27	10.99	12.77	95	4.18	A	A+	4.27	6.46	2117	1.43
	2.5+2.5+3.5+4.2	1.97	1.97	2.76	3.31	---	4.26	10.00	11.17	0.76	2.38	2.79	3.48	10.90	12.77	95	4.22	A	A+	4.28	6.46	2109	1.43
	2.5+2.5+3.5+5.0	1.85	1.85	2.59	3.70	---	4.50	10.00	11.30	0.79	2.29	2.74	3.61	10.49	12.54	95	4.38	A	A+	4.35	6.46	2077	1.42
	2.5+2.5+3.5+6.0	1.72	1.72	2.41	4.14	---	4.78	10.00	11.54	0.80	2.25	2.66	3.66	10.30	12.17	95	4.46	A	A+	4.38	6.46	2062	1.42
	2.5+2.5+3.5+7.1	1.60	1.60	2.24	4.55	---	5.10	10.00	11.58	0.85	2.21	2.65	3.87	10.12	12.13	95	4.54	A	A+	4.41	6.46	2047	1.41
	2.5+2.5+4.2+4.2	1.87	1.87	3.13	3.13	---	4.47	10.00	11.18	0.79	2.36	2.79	3.61	10.81	12.77	95	4.25	A	A+	4.30	6.46	2101	1.43
	2.5+2.5+4.2+5.0	1.76	1.76	2.96	3.52	---	4.70	10.00	11.32	0.82	2.27	2.74	3.74	10.39	12.54	95	4.41	A	A+	4.37	6.46	2069	1.42
	2.5+2.5+4.2+6.0	1.64	1.64	2.76	3.95	---	4.99	10.00	11.55	0.82	2.23	2.66	3.74	10.21	12.17	95	4.49	A	A+	4.40	6.46	2054	1.41
	2.5+2.5+5.0+5.0	1.67	1.67	3.33	3.33	---	4.93	10.00	11.45	0.85	2.25	2.70	3.87	10.30	12.36	95	4.45	A	A+	4.38	6.46	2061	1.41
	2.5+3.5+3.5+3.5	1.92	2.69	2.69	2.69	---	4.36	10.00	11.17	0.79	2.40	2.79	3.61	10.99	12.77	95	4.18	A	A+	4.27	6.46	2114	1.4
	2.5+3.5+3.5+4.2	1.82	2.55	2.55	3.07	---	4.55	10.00	11.18	0.81	2.38	2.79	3.70	10.90	12.77	95	4.22	A	A+	4.29	6.46	2107	1.4
	2.5+3.5+3.5+5.0	1.72	2.41	2.41	3.45	---	4.78	10.00	11.32	0.84	2.29	2.74	3.83	10.49	12.54	95	4.38	A	A+	4.36	6.46	2074	1.39
	2.5+3.5+3.5+6.0	1.61	2.26	2.26	3.87	---	5.07	10.00	11.55	0.85	2.25	2.66	3.87	10.30	12.17	95	4.46	A	A+	4.39	6.46	2059	1.38
	2.5+3.5+4.2+4.2	1.74	2.43	2.92	2.92	---	4.75	10.00	11.19	0.86	2.36	2.78	3.96	10.81	12.72	95	4.25	A	A+	4.31	6.46	2099	1.39
	2.5+3.5+4.2+5.0	1.64	2.30	2.76	3.29	---	4.99	10.00	11.33	0.86	2.27	2.74	3.96	10.39	12.54	95	4.41	A	A+	4.37	6.46	2066	1.38
	2.5+4.2+4.2+4.2	1.66	2.78	2.78	2.78	---	4.96	10.00	11.20	0.89	2.34	2.78	4.09	10.71	12.72	95	4.28	A	A+	4.32	6.46	2091	1.39
	3.5+3.5+3.5+3.5	2.50	2.50	2.50	2.50	---	4.64	10.00	11.18	0.84	2.33	2.79	3.83	10.67	12.77	95	4.30	A	A+	4.33	6.46	2085	1.4
	3.5+3.5+3.5+4.2	2.38	2.38	2.38	2.86	---	4.85	10.00	11.19	0.86	2.31	2.78	3.96	10.58	12.72	95	4.33	A	A+	4.35	6.46	2077	1.39
	3.5+3.5+3.5+5.0	2.26	2.26	2.26	3.23	---	5.07	10.00	11.33	0.89	2.23	2.74	4.09	10.21	12.54	95	4.49	A	A+	4.42	6.46	2046	1.38
	3.5+3.5+4.2+4.2	2.27	2.27	2.73	2.73	---	5.04	10.00	11.20	0.92	2.30	2.78	4.22	10.53	12.72	95	4.36	A	A+	4.37	6.46	2069	1.39
	1.5+1.5+1.5+1.5+1.5	2.00	2.00	2.00	2.00	2.00	2.77	10.00	10.90	0.42	2.14	2.47	1.94	9.80	11.30	95	4.68	A	A+	4.25	6.46	2127	1.25
	1.5+1.5+1.5+1.5+2.0	1.88	1.88	1.88	1.88	2.50	2.92	10.00	10.90	0.44	2.13	2.47	2.02	9.75	11.30	95	4.72	A	A+	4.26	6.46	2119	1.24
	1.5+1.5+1.5+1.5+2.5	1.76	1.76	1.76	1.76	2.94	3.06	10.00	10.90	0.48	2.11	2.47	2.19	9.66	11.30	95	4.75	A	A+	4.28	6.46	2111	1.24
	1.5+1.5+1.5+1.5+3.5	1.58	1.58	1.58	1.58	3.68	3.35	10.00	11.55	0.52	2.08	2.66	2.37	9.52	12.17	95	4.81	A	A+	4.31	6.46	2096	1.23
	1.5+1.5+1.5+1.5+4.2	1.47	1.47	1.47	1.47	4.12	3.55	10.00	11.55	0.55	2.07	2.66	2.54	9.48	12.17	95	4.84	A	A+	4.33	6.46	2088	1.23
	1.5+1.5+1.5+1.5+5.0	1.36	1.36	1.36	1.36	4.55	3.77	10.00	11.69	0.56	2.00	2.67	2.58	9.16	12.22	95	5.00	A	A+	4.40	6.46	2055	1.22

Combination tables

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
5MXM90N2V1B	1.5+1.5+1.5+1.5+6.0	1.25	1.25	1.25	1.25	5.00	4.07	10.00	11.93	0.56	1.99	2.59	2.58	9.11	11.85	95	5.04	A	A+	4.42	6.46	2043	1.21
	1.5+1.5+1.5+1.5+7.1	1.15	1.15	1.15	1.15	5.42	4.39	10.00	11.96	0.62	1.96	2.57	2.84	8.98	11.76	95	5.12	A	A+	4.43	6.46	2039	1.21
	1.5+1.5+1.5+2.0+2.0	1.76	1.76	1.76	2.35	2.35	3.06	10.00	10.90	0.48	2.11	2.47	2.19	9.66	11.30	95	4.75	A	A+	4.28	6.46	2110	1.24
	1.5+1.5+1.5+2.0+2.5	1.67	1.67	1.67	2.22	2.78	3.20	10.00	11.54	0.50	2.10	2.66	2.28	9.62	12.17	95	4.78	A	A+	4.30	6.46	2102	1.24
	1.5+1.5+1.5+2.0+3.5	1.50	1.50	1.50	2.00	3.50	3.49	10.00	11.55	0.54	2.07	2.66	2.45	9.48	12.17	95	4.84	A	A+	4.33	6.46	2087	1.23
	1.5+1.5+1.5+2.0+4.2	1.40	1.40	1.40	1.87	3.93	3.69	10.00	11.55	0.58	2.06	2.66	2.67	9.43	12.17	95	4.88	A	A+	4.35	6.46	2079	1.22
	1.5+1.5+1.5+2.0+5.0	1.30	1.30	1.30	1.74	4.35	3.92	10.00	11.69	0.58	1.99	2.67	2.67	9.11	12.22	95	5.04	A	A+	4.42	6.46	2046	1.21
	1.5+1.5+1.5+2.0+6.0	1.20	1.20	1.20	1.60	4.80	4.21	10.00	11.93	0.61	1.96	2.59	2.80	8.98	11.85	95	5.12	A	A+	4.45	6.46	2031	1.21
	1.5+1.5+1.5+2.0+7.1	1.10	1.10	1.10	1.47	5.22	4.53	10.00	11.96	0.65	1.93	2.57	2.97	8.84	11.76	95	5.20	A	A+	4.48	6.46	2018	1.21
	1.5+1.5+1.5+2.5+2.5	1.58	1.58	1.58	2.63	2.63	3.35	10.00	11.54	0.52	2.08	2.66	2.37	9.52	12.17	95	4.81	A	A+	4.32	6.46	2094	1.23
	1.5+1.5+1.5+2.5+3.5	1.43	1.43	1.43	2.38	3.33	3.63	10.00	11.55	0.56	2.06	2.66	2.58	9.43	12.17	95	4.88	A	A+	4.35	6.46	2078	1.22
	1.5+1.5+1.5+2.5+4.2	1.34	1.34	1.34	2.23	3.75	3.84	10.00	11.55	0.60	2.04	2.66	2.75	9.34	12.17	95	4.91	A	A+	4.36	6.46	2071	1.22
	1.5+1.5+1.5+2.5+5.0	1.25	1.25	1.25	2.08	4.17	4.07	10.00	11.69	0.62	1.98	2.67	2.84	9.07	12.22	95	5.07	A	A+	4.43	6.46	2038	1.21
	1.5+1.5+1.5+2.5+6.0	1.15	1.15	1.15	1.92	4.62	4.36	10.00	11.93	0.63	1.95	2.59	2.88	8.93	11.85	95	5.15	A	A+	4.44	6.46	2034	1.21
	1.5+1.5+1.5+2.5+7.1	1.06	1.06	1.06	1.77	5.04	4.67	10.00	11.96	0.67	1.92	2.57	3.05	8.79	11.76	95	5.23	A	A+	4.47	6.46	2022	1.2
	1.5+1.5+1.5+3.5+3.5	1.30	1.30	1.30	3.04	3.04	3.92	10.00	11.55	0.62	2.04	2.66	2.84	9.34	12.17	95	4.91	A	A+	4.37	6.46	2070	1.22
	1.5+1.5+1.5+3.5+4.2	1.23	1.23	1.23	2.87	3.44	4.12	10.00	11.56	0.65	2.03	2.66	2.97	9.30	12.17	95	4.94	A	A+	4.38	6.46	2062	1.22
	1.5+1.5+1.5+3.5+5.0	1.15	1.15	1.15	2.69	3.85	4.36	10.00	11.70	0.67	1.97	2.66	3.05	9.02	12.17	95	5.10	A	A+	4.45	6.46	2030	1.21
	1.5+1.5+1.5+3.5+6.0	1.07	1.07	1.07	2.50	4.29	4.64	10.00	11.94	0.68	1.94	2.58	3.10	8.88	11.81	95	5.18	A	A+	4.46	6.46	2027	1.2
	1.5+1.5+1.5+3.5+7.1	0.99	0.99	0.99	2.32	4.70	4.96	10.00	11.97	0.74	1.91	2.57	3.40	8.75	11.76	95	5.26	A	A+	4.48	6.46	2015	1.2
	1.5+1.5+1.5+4.2+4.2	1.16	1.16	1.16	3.26	3.26	4.32	10.00	11.58	0.69	2.02	2.65	3.14	9.25	12.13	95	4.97	A	A+	4.40	6.46	2054	1.21
	1.5+1.5+1.5+4.2+5.0	1.09	1.09	1.09	3.07	3.65	4.55	10.00	11.71	0.71	1.97	2.66	3.27	9.02	12.17	95	5.08	A	A+	4.44	6.46	2037	1.2
	1.5+1.5+1.5+4.2+6.0	1.02	1.02	1.02	2.86	4.08	4.85	10.00	11.95	0.72	1.91	2.58	3.31	8.75	11.81	95	5.26	A	A+	4.49	6.46	2013	1.2
	1.5+1.5+1.5+5.0+5.0	1.03	1.03	1.03	3.45	3.45	4.78	10.00	11.84	0.71	1.90	2.61	3.27	8.70	11.95	95	5.28	A	A+	4.52	6.46	2000	1.2
	1.5+1.5+1.5+5.0+6.0	0.97	0.97	0.97	3.23	3.87	5.07	10.00	12.07	0.74	1.87	2.53	3.40	8.56	11.58	95	5.36	A	A+	4.55	6.46	1987	1.19
	1.5+1.5+2.0+2.0+2.0	1.67	1.67	2.22	2.22	2.22	3.20	10.00	11.54	0.50	2.10	2.66	2.28	9.62	12.17	95	4.78	A	A+	4.30	6.46	2103	1.24
	1.5+1.5+2.0+2.0+2.5	1.58	1.58	2.11	2.11	2.63	3.35	10.00	11.54	0.52	2.09	2.66	2.37	9.57	12.17	95	4.79	A	A+	4.31	6.46	2095	1.24
	1.5+1.5+2.0+2.0+3.5	1.43	1.43	1.90	1.90	3.33	3.63	10.00	11.55	0.56	2.09	2.66	2.58	9.57	12.17	95	4.81	A	A+	4.34	6.46	2080	1.23
	1.5+1.5+2.0+2.0+4.2	1.34	1.34	1.79	1.79	3.75	3.84	10.00	11.55	0.60	2.08	2.66	2.75	9.52	12.17	95	4.82	A	A+	4.36	6.46	2073	1.23
	1.5+1.5+2.0+2.0+5.0	1.25	1.25	1.67	1.67	4.17	4.07	10.00	11.69	0.62	2.07	2.67	2.84	9.48	12.22	95	4.84	A	A+	4.43	6.46	2040	1.22
	1.5+1.5+2.0+2.0+6.0	1.15	1.15	1.54	1.54	4.62	4.36	10.00	11.93	0.63	2.07	2.59	2.88	9.48	11.85	95	4.85	A	A+	4.44	6.46	2037	1.21
	1.5+1.5+2.0+2.0+7.1	1.06	1.06	1.42	1.42	5.04	4.67	10.00	11.96	0.67	2.06	2.57	3.05	9.43	11.76	95	4.86	A	A+	4.46	6.46	2025	1.21
	1.5+1.5+2.0+2.5+2.5	1.50	1.50	2.00	2.50	2.50	3.49	10.00	11.54	0.55	2.09	2.66	2.50	9.57	12.17	95	4.80	A	A+	4.33	6.46	2087	1.24
	1.5+1.5+2.0+2.5+3.5	1.36	1.36	1.82	2.27	3.18	3.77	10.00	11.55	0.58	2.08	2.66	2.67	9.52	12.17	95	4.82	A	A+	4.36	6.46	2072	1.23
	1.5+1.5+2.0+2.5+4.2	1.28	1.28	1.71	2.14	3.59	3.98	10.00	11.55	0.62	2.08	2.66	2.84	9.52	12.17	95	4.83	A	A+	4.38	6.46	2064	1.22
	1.5+1.5+2.0+2.5+5.0	1.20	1.20	1.60	2.00	4.00	4.21	10.00	11.69	0.65	2.07	2.67	2.97	9.48	12.22	95	4.85	A	A+	4.45	6.46	2032	1.21
	1.5+1.5+2.0+2.5+6.0	1.11	1.11	1.48	1.85	4.44	4.50	10.00	11.93	0.65	2.03	2.59	2.97	9.30	11.85	95	4.95	A	A+	4.47	6.46	2022	1.21
	1.5+1.5+2.0+2.5+7.1	1.03	1.03	1.37	1.71	4.86	4.81	10.00	11.96	0.71	2.02	2.57	3.27	9.25	11.76	95	4.95	A	A+	4.50	6.46	2010	1.21
	1.5+1.5+2.0+3.5+3.5	1.25	1.25	1.67	2.92	2.92	4.07	10.00	11.55	0.65	2.08	2.66	2.97	9.52	12.17	95	4.83	A	A+	4.38	6.46	2064	1.22
	1.5+1.5+2.0+3.5+4.2	1.18	1.18	1.57	2.76	3.31	4.26	10.00	11.56	0.67	2.07	2.66	3.05	9.48	12.17	95	4.84	A	A+	4.39	6.46	2056	1.22
	1.5+1.5+2.0+3.5+5.0	1.11	1.11	1.48	2.59	3.70	4.50	10.00	11.70	0.70	2.06	2.66	3.18	9.43	12.17	95	4.86	A	A+	4.46	6.46	2024	1.21
	1.5+1.5+2.0+3.5+6.0	1.03	1.03	1.38	2.41	4.14	4.78	10.00	11.94	0.70	2.02	2.58	3.18	9.25	11.81	95	4.95	A	A+	4.49	6.46	2015	1.21
	1.5+1.5+2.0+3.5+7.1	0.96	0.96	1.28	2.24	4.55	5.10	10.00	11.97	0.76	1.99	2.57	3.48	9.11	11.76	95	5.05	A	A+	4.53	6.46	1995	1.2
	1.5+1.5+2.0+4.2+4.2	1.12	1.12	1.49	3.13	3.13	4.47	10.00	11.58	0.71	2.07	2.65	3.27	9.48	12.13	95	4.84	A	A+	4.41	6.46	2048	1.22
	1.5+1.5+2.0+4.2+5.0	1.06	1.06	1.41	2.96	3.52	4.70	10.00	11.71	0.74	2.06	2.66	3.40	9.43	12.17	95	4.87	A	A+	4.45	6.46	2028	1.21
	1.5+1.5+2.0+4.2+6.0	0.99	0.99	1.32	2.76	3.95	4.99	10.00	11.95	0.74	2.05	2.58	3.40	9.39	11.81	95	4.88	A	A+	4.48	6.46	2016	1.2
	1.5+1.5+2.0+5.0+5.0	1.00	1.00	1.33	3.33	3.33	4.93	10.00	11.84	0.77	2.00	2.61	3.53	9.16	11.95	95	5.02	A	A++	4.60	6.46	1966	1.18
	1.5+1.5+2.5+2.5+2.5	1.43	1.43	2.38	2.38	2.38	3.63	10.00	11.54	0.56	2.08	2.66	2.58	9.52	12.17	95	4.82	A	A+	4.36	6.46	2071	1.23
	1.5+1.5+2.5+2.5+3.5	1.30	1.30	2.17	2.17	3.04	3.92	10.00	11.55	0.63	2.07	2.66	2.88	9.48	12.17	95	4.84	A	A+	4.39	6.46	2057	1.22
	1.5+1.5+2.5+2.5+4.2	1.23	1.23	2.05	2.05	3.44	4.12	10.00	11.55	0.65	2.07	2.66	2.97	9.48	12.17	95	4.84	A	A+	4.41	6.46	2049	1.22
	1.5+1.5+2.5+2.5+5.0	1.15	1.15	1.92	1.92	3.85	4.36	10.00	11.69	0.67	2.06	2.67	3.05	9.43	12.22	95	4.87	A	A+	4.45	6.46	2030	1.21
	1.5+1.5+2.5+2.5+6.0	1.07	1.07	1.79	1.79	4.29	4.64	10.00	11.93	0.68	2.05	2.59	3.10	9.39	11.85	95	4.88	A	A+	4.48	6.46	2018	1.2
	1.5+1.5+2.5+2.5+7.1	0.99	0.99	1.66	1.66	4.70	4.96	10.00	11.96	0.74	2.05	2.57	3.40	9.39	11.76	95	4.89	A	A+	4.51	6.46	2006	1.2
	1.5+1.5+2.5+3.5+3.5	1.20	1.20	2.00	2.80	2.80	4.21	10.00	11.55	0.67	2.07	2.66	3.05	9.48	12.17	95	4.84	A	A+	4.41	6.46	2048	1.22
	1.5+1.5+2.5+3.5+4.2	1.14	1.14	1.89	2.65	3.18	4.41	10.00	11.56	0.71	2.07	2.66	3.27	9.48	12.17	95	4.85	A	A+	4.43	6.46	2041	1.21
	1.5+1.5+2.5+3.5+5.0	1.07	1.07	1.79	2.50	3.57	4.64	10.00	11.70	0.71	2.05	2.66	3.27	9.39	12.17	95	4.88	A	A+	4.47	6.46	2023	1.2
	1.5+1.5+2.5+3.5+6.0	1.00	1.00	1.67	2.33	4.00	4.93	10.00	11.94	0.74	2.05	2.58	3.40	9.39	11.81	95	4.89	A	A+	4.49	6.46	2011	1.2
	1.5+1.5+2.5+4.2+4.2	1.08	1.08	1.80	3.02	3.02	4.61	10.00	11.58	0.74	2.06	2.65	3.40	9.43	12.13	95	4.86	A	A+	4.44	6.46	2033	1.21
	1.5+1.5+2.5+4.2+5.0	1.02	1.02	1.70	2.86	3.40	4.85	10.00	11.71	0.77	2.05	2.66	3.53	9.39	12.17	95	4.89	A	A+	4.48	6.46	2016	1.2
	1.5+1.5+2.5+5.0+5.0	0.97	0.97	1.61	3.23	3.23	5.07	10.00	11.84	0.79	2.00	2.61	3.61	9.16	11.95	95	5.00	A	A++	4.60	6.46	1964	1.2
	1.5+1.5+3.5+3.5+3.5	1.11	1.11	2.59	2.59	2.59	4.50	10.00	11.56	0.71	2.05	2.66	3.27	9.39	12.17	95	4.90	A	A+	4.48	6.46	2018	1.21
	1.5+1.5+3.5+3.5+4.2	1.06	1.06	2.46	2.46	2.96	4.70	10.00	11.58	0.76	2.04	2.65	3.48	9.34	12.13	95	4.91	A	A+	4.49	6.46	2011	1.21
	1.5+1.5+3.5+3.5+5.0	1.00	1.00	2.33	2.33	3.33	4.93	10.00	11.71	0.79	2.03	2.66	3.61	9.30	12.17	95	4.94	A	A+	4.53	6.46	1994	1.2
	1.5+1.5+3.5+4.2+4.2	1.01	1.01	2.35	2.82	2.82	4.90	10.00	11.59	0.82	2.04	2.65	3.74	9.34	12.13	95	4.92	A	A+	4.51	6.46	2003	1.21
	1.5+2.0+2.0+2.0+2.0	1.58	2.11	2.11	2.11	2.11	3.35	10.00	11.54	0.52	2.07	2.66	2.37	9.48	12.17	95	4.84	A	A+	4.40	6.46	2056	1.22
	1.5+2.0+2.0+2.0+2.5	1.50	2.00	2.00	2.00	2.50	3.49	10.00	11.54	0.55	2.07	2.66	2.50	9.48	12.17	95	4.84	A	A+	4.41	6.46	2048	1.22
	1.5+2.0+2.0+2.0+3.5	1.36	1.82	1.82	1.82	3.18	3.77	10.00	11.55	0.58	2.06	2.66	2.67	9.43	12.17	95	4.86	A	A+	4.44	6.46	2034	1.21
	1.5+2.0+2.0+2.0+4.2	1.28	1.71	1.71	1.71	3.59	3.98	10.00	11.55	0.62	2.06	2.66	2.84	9.43	12.17	95	4.87	A	A+	4.46	6.46	2027	1.21
	1.5+2.0+2.0+2.0+5.0	1.20	1.60	1.60	1.60	4.00	4.21	10.00	11.69	0.65	2.05	2.67	2.97	9.39	12.22	95	4.90	A	A+	4.49	6.46	2011	1.19
	1.5+2.0+2.0+2.0+6.0	1.11	1.48	1.48	1.48	4.44	4.50	10.00	11.70	0.65	2.04	2.65	2.97	9.34	12.13	95	4.91	A	A+	4.52	6.46	1999	1.19
	1.5+2.0+2.0+2.0+7.1	1.03	1.37	1.37	1.37	4.86	4.81	10.00	11.96	0.71	2.00	2.66	3.27	9.16	12.17	95	5.00	A	A++	4.60	6.46	1964	1.17
	1.5+2.0+2.0+2.5+2.5	1.43	1.90	1.90	2.38	2.38	3.63	10.00	11.54	0.56	2.07	2.61	2.58	9.48	11.95	95	4.85	A	A+	4.43	6.46	2040	1.21
	1.5+2.0+2.0+2.5+3.5	1.30	1.74	1.74	2.17	3.04	3.92	10.00	11.55	0.63	2.06	2.66	2.88	9.43	12.17	95	4.87	A	A+	4.46	6.46	2026	1.21
	1.5+2.0+2.0+2.5+4.2	1.23	1.64	1.64	2.05	3.44	4.12	10.00	11.55	0.65	2.05	2.65	2.97	9.39	12.13	95	4.88	A	A+	4.48	6.46	2019	1.2
	1.5+2.0+2.0+2.5+5.0	1.15	1.54	1.54	1.92	3.85	4.36	10.00	11.69	0.67	2.04	2.66	3.05	9.34	12.17	95	4.91	A	A+	4.51	6.46	2005	1.19
	1.5+2.0+2.0+2.5+6.0	1.07	1.43	1.43	1.79	4.29	4.64	10.00	11.72	0.68	2.04	2.65	3.10	9.34	12.13	95	4.92	A	A+	4.53	6.46	1993	1.19
	1.5+2.0+2.0+2.5+7.1	0.99	1.32	1.32	1.66	4.70	4.96	10.00	11.96	0.74	2.00	2.66	3.40	9.16	12.17	95	5.01	A	A++	4.62	6.46	1958	1.17
	1.5+2.0+2.0+3.5+3.5	1.20	1.60	1.60	2.80	2.80	4.21	10.00	11.55	0.67	2.05	2.66	3.05	9.39	12.17	95	4.88	A	A+	4.48	6.46	2018	1.2
	1.5+2.0+2.0+3.5+4.2	1.14	1.52	1.52	2.65	3.18	4.41	10.00	11.56	0.71	2.05	2.66	3.27	9.39	12.17	95	4.89	A	A+	4.47	6.46	2023	1.2
	1.5+2.0+2.0+3.5+5.0	1.07	1.43	1.43	2.50	3.57	4.64	10.00	11.70	0.71	2.04	2.67	3.27	9.34	12.22	95	4.92	A	A+	4.52	6.46	1998	1.19
	1.5+2.0+2.0+3.5+6.0	1.00	1.33	1.33	2.33	4.00	4.93	10.00	11.94	0.74	2.00	2.65	3.40	9.16	12.13	95	5.01	A	A++	4.60	6.46	1963	1.17

Combination tables

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)					Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	ENERGY LABEL	Seasonal data				
		A room	B room	B room	C room	D room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
5MXM90N2V1B	1.5+2.0+2.0+4.2+4.2	1.08	1.44	1.44	3.02	3.02	4.61	10.00	11.58	0.74	2.05	2.66	3.40	9.39	12.17	95	4.90	A	A+	4.48	6.46	2016	1.19
	1.5+2.0+2.0+4.2+5.0	1.02	1.36	1.36	2.86	3.40	4.85	10.00	11.71	0.77	2.03	2.61	3.53	9.30	11.95	95	4.93	A	A+	4.54	6.46	1991	1.18
	1.5+2.0+2.0+5.0+5.0	0.97	1.29	1.29	3.23	3.23	5.07	10.00	11.84	0.79	2.00	2.66	3.61	9.16	12.17	95	5.02	A	A++	4.63	6.46	1954	1.16
	1.5+2.0+2.5+2.5+2.5	1.36	1.82	2.27	2.27	2.27	3.77	10.00	11.54	0.58	2.07	2.66	2.67	9.48	12.17	95	4.85	A	A+	4.43	6.46	2041	1.21
	1.5+2.0+2.5+2.5+3.5	1.25	1.67	2.08	2.08	2.92	4.07	10.00	11.55	0.65	2.06	2.66	2.97	9.43	12.17	95	4.87	A	A+	4.46	6.46	2027	1.21
	1.5+2.0+2.5+2.5+4.2	1.18	1.57	1.97	1.97	3.31	4.26	10.00	11.55	0.67	2.05	2.66	3.05	9.39	12.17	95	4.88	A	A+	4.47	6.46	2020	1.2
	1.5+2.0+2.5+2.5+5.0	1.11	1.48	1.85	1.85	3.70	4.50	10.00	11.69	0.70	2.04	2.67	3.18	9.34	12.22	95	4.91	A	A+	4.51	6.46	2005	1.19
	1.5+2.0+2.5+2.5+6.0	1.03	1.38	1.72	1.72	4.14	4.78	10.00	11.93	0.70	2.04	2.59	3.18	9.34	11.85	95	4.92	A	A+	4.53	6.46	1993	1.19
	1.5+2.0+2.5+2.5+7.1	0.96	1.28	1.60	1.60	4.55	5.10	10.00	11.96	0.77	2.00	2.57	3.53	9.16	11.76	95	5.01	A	A++	4.61	6.46	1959	1.18
	1.5+2.0+2.5+3.5+3.5	1.15	1.54	1.92	2.69	2.69	4.36	10.00	11.55	0.70	2.05	2.66	3.18	9.39	12.17	95	4.88	A	A+	4.48	6.46	2019	1.2
	1.5+2.0+2.5+3.5+4.2	1.09	1.46	1.82	2.55	3.07	4.55	10.00	11.56	0.74	2.05	2.66	3.40	9.39	12.17	95	4.89	A	A+	4.47	6.46	2024	1.2
	1.5+2.0+2.5+3.5+5.0	1.03	1.38	1.72	2.41	3.45	4.78	10.00	11.70	0.77	2.04	2.66	3.53	9.34	12.17	95	4.92	A	A+	4.52	6.46	1998	1.19
	1.5+2.0+2.5+3.5+6.0	0.97	1.29	1.61	2.26	3.87	5.07	10.00	11.94	0.77	2.00	2.66	3.53	9.16	12.17	95	5.02	A	A++	4.61	6.46	1962	1.16
	1.5+2.0+2.5+4.2+4.2	1.04	1.39	1.74	2.92	2.92	4.75	10.00	11.58	0.76	2.05	2.65	3.48	9.39	12.13	95	4.90	A	A+	4.48	6.46	2017	1.19
	1.5+2.0+2.5+4.2+5.0	0.99	1.32	1.64	2.76	3.29	4.99	10.00	11.71	0.79	1.99	2.66	3.61	9.11	12.17	95	5.04	A	A++	4.63	6.46	1950	1.18
	1.5+2.0+3.5+3.5+3.5	1.07	1.43	2.50	2.50	2.50	4.64	10.00	11.56	0.77	2.05	2.66	3.53	9.39	12.17	95	4.89	A	A+	4.49	6.46	2012	1.2
	1.5+2.0+3.5+3.5+4.2	1.02	1.36	2.38	2.38	2.86	4.85	10.00	11.58	0.79	2.05	2.65	3.61	9.39	12.13	95	4.90	A	A+	4.50	6.46	2006	1.19
	1.5+2.0+3.5+3.5+5.0	0.97	1.29	2.26	2.26	3.23	5.07	10.00	11.71	0.82	2.00	2.66	3.74	9.16	12.17	95	5.01	A	A++	4.61	6.46	1962	1.18
	1.5+2.0+3.5+4.2+4.2	0.97	1.30	2.27	2.73	2.73	5.04	10.00	11.59	0.85	2.04	2.65	3.87	9.34	12.13	95	4.91	A	A+	4.52	6.46	1999	1.19
	1.5+2.5+2.5+2.5+2.5	1.30	2.17	2.17	2.17	2.17	3.92	10.00	11.54	0.63	2.06	2.66	2.88	9.43	12.17	95	4.87	A	A+	4.46	6.46	2026	1.21
	1.5+2.5+2.5+2.5+3.5	1.20	2.00	2.00	2.00	2.80	4.21	10.00	11.55	0.67	2.03	2.66	3.05	9.30	12.17	95	4.94	A	A+	4.47	6.46	2020	1.2
	1.5+2.5+2.5+2.5+4.2	1.14	1.89	1.89	1.89	3.18	4.41	10.00	11.55	0.71	2.03	2.66	3.27	9.30	12.17	95	4.95	A	A+	4.49	6.46	2013	1.19
	1.5+2.5+2.5+2.5+5.0	1.07	1.79	1.79	1.79	3.57	4.64	10.00	11.69	0.71	1.98	2.67	3.27	9.07	12.22	95	5.06	A	A++	4.60	6.46	1964	1.18
	1.5+2.5+2.5+2.5+6.0	1.00	1.67	1.67	1.67	4.00	4.93	10.00	11.93	0.75	1.98	2.59	3.44	9.07	11.85	95	5.06	A	A++	4.63	6.46	1952	1.18
	1.5+2.5+2.5+3.5+3.5	1.11	1.85	1.85	2.59	2.59	4.50	10.00	11.55	0.71	2.03	2.66	3.27	9.30	12.17	95	4.95	A	A+	4.49	6.46	2013	1.19
	1.5+2.5+2.5+3.5+4.2	1.06	1.76	1.76	2.46	2.96	4.70	10.00	11.56	0.77	2.02	2.66	3.53	9.25	12.17	95	4.95	A	A+	4.50	6.46	2007	1.19
	1.5+2.5+2.5+3.5+5.0	1.00	1.67	1.67	2.33	3.33	4.93	10.00	11.70	0.79	1.97	2.66	3.61	9.02	12.17	95	5.09	A	A++	4.62	6.46	1957	1.18
	1.5+2.5+2.5+4.2+4.2	1.01	1.68	1.68	2.82	2.82	4.90	10.00	11.58	0.82	2.02	2.65	3.74	9.25	12.13	95	4.96	A	A+	4.52	6.46	2000	1.19
	1.5+2.5+3.5+3.5+3.5	1.03	1.72	2.41	2.41	2.41	4.78	10.00	11.56	0.79	2.02	2.66	3.61	9.25	12.17	95	4.95	A	A+	4.51	6.46	2006	1.19
	1.5+2.5+3.5+3.5+4.2	0.99	1.64	2.30	2.30	2.76	4.99	10.00	11.58	0.82	2.02	2.65	3.74	9.25	12.13	95	4.96	A	A+	4.52	6.46	2000	1.19
	1.5+3.5+3.5+3.5+3.5	0.97	2.26	2.26	2.26	2.26	5.07	10.00	11.58	0.85	2.00	2.65	3.87	9.16	12.13	95	5.00	A	A+	4.56	6.46	1981	1.18
	2.0+2.0+2.0+2.0+2.0	2.00	2.00	2.00	2.00	2.00	3.49	10.00	11.54	0.55	2.05	2.66	2.50	9.39	12.17	95	4.89	A	A+	4.47	6.46	2023	1.2
	2.0+2.0+2.0+2.0+2.5	1.90	1.90	1.90	1.90	2.38	3.63	10.00	11.54	0.56	2.05	2.66	2.58	9.39	12.17	95	4.90	A	A+	4.48	6.46	2017	1.19
	2.0+2.0+2.0+2.0+3.5	1.74	1.74	1.74	1.74	3.04	3.92	10.00	11.55	0.63	2.04	2.66	2.88	9.34	12.17	95	4.92	A	A+	4.51	6.46	2006	1.19
	2.0+2.0+2.0+2.0+4.2	1.64	1.64	1.64	1.64	3.44	4.12	10.00	11.55	0.65	2.03	2.66	2.97	9.30	12.17	95	4.93	A	A+	4.52	6.46	2000	1.18
	2.0+2.0+2.0+2.0+5.0	1.54	1.54	1.54	1.54	3.85	4.36	10.00	11.69	0.67	2.00	2.67	3.05	9.16	12.22	95	5.02	A	A++	4.61	6.46	1959	1.17
	2.0+2.0+2.0+2.0+6.0	1.43	1.43	1.43	1.43	4.29	4.64	10.00	11.93	0.68	1.99	2.59	3.10	9.11	11.85	95	5.03	A	A++	4.64	6.46	1948	1.17
	2.0+2.0+2.0+2.0+7.1	1.32	1.32	1.32	1.32	4.70	4.96	10.00	11.96	0.74	1.99	2.57	3.40	9.11	11.76	95	5.04	A	A++	4.66	6.46	1937	1.16
	2.0+2.0+2.0+2.5+2.5	1.82	1.82	1.82	2.27	2.27	3.77	10.00	11.54	0.58	2.04	2.66	2.67	9.34	12.17	95	4.91	A	A+	4.49	6.46	2010	1.19
	2.0+2.0+2.0+2.5+3.5	1.67	1.67	1.67	2.08	2.92	4.07	10.00	11.55	0.65	2.03	2.66	2.97	9.30	12.17	95	4.93	A	A+	4.52	6.46	1999	1.18
	2.0+2.0+2.0+2.5+4.2	1.57	1.57	1.57	1.97	3.31	4.26	10.00	11.55	0.67	2.03	2.66	3.05	9.30	12.17	95	4.94	A	A+	4.53	6.46	1993	1.18
	2.0+2.0+2.0+2.5+5.0	1.48	1.48	1.48	1.85	3.70	4.50	10.00	11.69	0.70	1.99	2.67	3.18	9.11	12.22	95	5.04	A	A++	4.62	6.46	1955	1.17
	2.0+2.0+2.0+2.5+6.0	1.38	1.38	1.38	1.72	4.14	4.78	10.00	11.93	0.70	1.99	2.59	3.18	9.11	11.85	95	5.05	A	A++	4.65	6.46	1944	1.16
	2.0+2.0+2.0+2.5+7.1	1.28	1.28	1.28	1.60	4.55	5.10	10.00	11.96	0.77	1.98	2.57	3.53	9.07	11.76	95	5.06	A	A++	4.67	6.46	1933	1.16
	2.0+2.0+2.0+3.5+3.5	1.54	1.54	1.54	2.69	2.69	3.77	10.00	11.54	0.58	2.03	2.66	2.67	9.30	12.17	95	4.94	A	A+	4.54	6.46	1992	1.18
	2.0+2.0+2.0+3.5+4.2	1.46	1.46	1.46	2.55	3.07	4.55	10.00	11.56	0.74	2.03	2.66	3.40	9.30	12.17	95	4.95	A	A+	4.55	6.46	1986	1.18
	2.0+2.0+2.0+3.5+5.0	1.38	1.38	1.38	2.41	3.45	4.78	10.00	11.70	0.77	1.99	2.66	3.53	9.11	12.17	95	5.04	A	A++	4.65	6.46	1941	1.16
	2.0+2.0+2.0+3.5+6.0	1.29	1.29	1.29	2.26	3.87	5.07	10.00	11.94	0.77	1.99	2.58	3.53	9.11	11.81	95	5.05	A	A++	4.68	6.46	1931	1.16
	2.0+2.0+2.0+4.2+4.2	1.39	1.39	1.39	2.92	2.92	4.75	10.00	11.58	0.76	2.02	2.65	3.48	9.25	12.13	95	4.95	A	A++	4.61	6.46	1961	1.17
	2.0+2.0+2.0+4.2+5.0	1.32	1.32	1.32	2.76	3.29	4.99	10.00	11.71	0.79	2.01	2.71	3.61	9.20	12.40	95	4.98	A	A++	4.66	6.46	1938	1.16
	2.0+2.0+2.5+2.5+2.5	1.74	1.74	2.17	2.17	2.17	3.92	10.00	11.54	0.63	2.04	2.66	2.88	9.34	12.17	95	4.91	A	A+	4.49	6.46	2011	1.19
	2.0+2.0+2.5+2.5+3.5	1.60	1.60	2.00	2.00	2.80	4.21	10.00	11.55	0.67	2.03	2.66	3.05	9.30	12.17	95	4.93	A	A+	4.52	6.46	1999	1.18
	2.0+2.0+2.5+2.5+4.2	1.52	1.52	1.89	1.89	3.18	4.41	10.00	11.55	0.70	2.03	2.66	3.18	9.30	12.17	95	4.94	A	A+	4.53	6.46	1993	1.18
	2.0+2.0+2.5+2.5+5.0	1.43	1.43	1.79	1.79	3.57	4.64	10.00	11.69	0.71	1.99	2.67	3.27	9.11	12.22	95	5.03	A	A++	4.63	6.46	1953	1.17
	2.0+2.0+2.5+2.5+6.0	1.33	1.33	1.67	1.67	4.00	4.93	10.00	11.93	0.75	1.99	2.59	3.44	9.11	11.85	95	5.04	A	A++	4.65	6.46	1942	1.16
	2.0+2.0+2.5+3.5+3.5	1.48	1.48	1.85	2.59	2.59	4.50	10.00	11.55	0.71	1.99	2.66	3.27	9.11	12.17	95	5.03	A	A++	4.60	6.46	1963	1.18
	2.0+2.0+2.5+3.5+4.2	1.41	1.41	1.76	2.46	2.96	4.70	10.00	11.56	0.77	1.99	2.66	3.53	9.11	12.17	95	5.04	A	A++	4.62	6.46	1957	1.18
	2.0+2.0+2.5+3.5+5.0	1.33	1.33	1.67	2.33	3.33	4.93	10.00	11.70	0.79	1.98	2.66	3.61	9.07	12.17	95	5.06	A	A++	4.67	6.46	1934	1.16
	2.0+2.0+2.5+4.2+4.2	1.34	1.34	1.68	2.82	2.82	4.90	10.00	11.58	0.82	1.99	2.70	3.74	9.11	12.36	95	5.05	A	A++	4.63	6.46	1951	1.17
	2.0+2.0+3.5+3.5+3.5	1.38	1.38	2.41	2.41	2.41	4.78	10.00	11.56	0.79	1.99	2.66	3.61	9.11	12.17	95	5.04	A	A++	4.62	6.46	1957	1.18
	2.0+2.0+3.5+3.5+4.2	1.32	1.32	2.30	2.30	2.76	4.99	10.00	11.58	0.82	1.99	2.70	3.74	9.11	12.36	95	5.05	A	A++	4.63	6.46	1951	1.17
	2.0+2.5+2.5+2.5+2.5	1.67	2.08	2.08	2.08	2.08	4.07	10.00	11.54	0.65	2.03	2.66	2.97	9.30	12.17	95	4.93	A	A+	4.52	6.46	1999	1.18
	2.0+2.5+2.5+2.5+3.5	1.54	1.92	1.92	1.92	2.69	4.36	10.00	11.55	0.70	2.03	2.66	3.18	9.30	12.17	95	4.95	A	A+	4.55	6.46	1987	1.18
	2.0+2.5+2.5+2.5+4.2	1.46	1.82	1.82	1.82	3.07	4.55	10.00	11.55	0.74	2.02	2.66	3.40	9.25	12.17	95	4.95	A	A+	4.56	6.46	1981	1.17
	2.0+2.5+2.5+2.5+5.0	1.38	1.72	1.72	1.72	3.45	4.78	10.00	11.69	0.77	1.99	2.67	3.53	9.11	12.22	95	5.05	A	A++	4.65	6.46	1942	1.16
	2.0+2.5+2.5+2.5+6.0	1.29	1.61	1.61	1.61	3.87	5.07	10.00	11.93	0.77	1.98	2.59	3.53	9.07	11.85	95	5.06	A	A++	4.68	6.46	1931	1.16
	2.0+2.5+2.5+3.5+3.5	1.43	1.79	1.79	2.50	2.50	4.64	10.00	11.55	0.77	1.99	2.66	3.53	9.11	12.17	95	5.03	A	A++	4.60	6.46	1963	1.17
	2.0+2.5+2.5+3.5+4.2	1.36	1.70	1.70	2.38	2.86	4.85	10.00	11.56	0.79	1.99	2.66	3.61	9.11	12.17	95	5.04	A	A++	4.62	6.46	1957	1.17
	2.0+2.5+2.5+3.5+5.0	1.29	1.61	1.61	2.26	3.23	5.07	10.00	11.70	0.82	1.98	2.66	3.74	9.07	12.17	95	5.06	A	A++	4.67	6.46	1934	1.16
	2.0+2.5+2.5+4.2+4.2	1.30	1.62	1.62	2.73	2.73	5.04	10.00	11.58	0.85	1.99	2.70	3.87	9.11	12.36	95	5.05	A	A++	4.63	6.46	1951	1.16
	2.0+2.5+3.5+3.5+3.5	1.33	1.67	2.33	2.33	2.33	4.93	10.00	11.56	0.82	1.99	2.66	3.74	9.11	12.17	95	5.04	A	A++	4.62	6.46	1957	1.17
	2.5+2.5+2.5+2.5+2.5	2.00	2.00	2.00	2.00	2.00	4.21	10.00	11.54	0.68	2.03	2.66	3.10	9.30	12.17	95	4.95	A	A+	4.55	6.46	1987	1.18
	2.5+2.5+2.5+2.5+3.5	1.85	1.85	1.85	1.85	2.59	4.50	10.00	11.55	0.72	2.02	2.66	3.31	9.25	12.17	95	4.96	A	A+	4.57	6.46	1975	1.17
	2.5+2.5+2.5+2.5+4.2	1.76	1.76	1.76	1.76	2.96	4.70	10.00	11.55	0.77	2.02	2.66	3.53	9.25	12.17	95	4.97	A	A+	4.59	6.46	1970	1.16
	2.5+2.5+2.5+2.5+5.0	1.67	1.67	1.67	1.67	3.33	4.93	10.00	11.69	0.80	2.00	2.67	3.66	9.16	12.22	95	5.00	A	A++	4.64	6.46	1946	1.15
	2.5+2.5+2.5+3.5+3.5	1.72	1.72	1.72	2.41	2.41	4.78	10.00	11.55	0.80	2.02	2.66	3.66	9.25	12.17	95	4.97	A	A++	4.60	6.46	1965	1.16
	2.5+2.5+2.5+3.5+4.2	1.64	1.64	1.64	2.30	2.76	4.99	10.00	11.56	0.82	2.01	2.66	3.74	9.20	12.17	95	4.98	A	A++	4.61	6.46	1959	1.16
	2.5+2.5+3.5+3.5+3.5	1.61	1.61	2.26	2.26	2.26	5.07	10.00	11.57	0.85	1.99	2.66	3.87	9.11	12.17	95	5.03	A	A++	4.66	6.46	1940	1.15

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
2AMXM40M3V1B	2.0	2.00	---	1.30	2.00	2.40	0.33	0.44	0.57	1.78	2.38	3.09	79	---	---	---	---	---	---	---
	2.5	2.50	---	1.30	2.50	3.00	0.33	0.61	0.80	1.78	3.33	4.40	79	---	---	---	---	---	---	---
	3.5	3.50	---	1.30	3.50	4.00	0.33	1.04	1.35	1.78	5.71	7.38	79	---	---	---	---	---	---	---
	2.0+2.0	2.00	2.00	1.50	4.00	4.20	0.30	0.99	1.04	1.67	5.47	5.75	79	4.03	A	497	A+++	8.51	4.00	165
	2.0+2.5	1.78	2.22	1.50	4.00	4.30	0.30	0.97	1.04	1.67	5.34	5.75	79	4.13	A	485	A+++	8.50	4.00	165
	2.0+3.5	1.45	2.55	1.50	4.00	4.50	0.30	0.97	1.10	1.67	5.36	6.03	79	4.11	A	487	A++	8.17	4.00	172
	2.5+2.5	2.00	2.00	1.50	4.00	4.40	0.30	0.98	1.08	1.67	5.39	5.93	79	4.09	A	489	A++	8.34	4.00	168
	2.5+3.5	1.67	2.33	1.50	4.00	4.60	0.30	0.96	1.11	1.67	5.31	6.11	79	4.15	A	482	A++	8.09	4.00	173

Heating

Outdoor unit	Indoor unit	Heating capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	Energy label	Seasonal data				
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				Label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
2AMXM40M3V1B	2.0	3.00	---	1.00	3.00	3.70	0.26	0.83	1.26	1.43	4.52	6.78	79	---	---	---	---	---	---	---
	2.5	3.40	---	1.00	3.40	4.10	0.26	1.02	1.50	1.43	5.59	8.09	79	---	---	---	---	---	---	---
	3.5	3.80	---	1.00	3.80	4.40	0.26	1.28	1.73	1.43	7.02	9.40	79	---	---	---	---	---	---	---
	2.0+2.0	2.10	2.10	1.30	4.20	4.60	0.24	1.00	1.10	1.31	5.53	6.06	79	4.18	A	A++	4.60	3.20	973	0.60
	2.0+2.5	1.87	2.33	1.30	4.20	4.70	0.24	1.00	1.12	1.31	5.48	6.14	79	4.22	A	A++	4.60	3.20	974	0.50
	2.0+3.5	1.53	2.67	1.30	4.20	4.80	0.24	0.97	1.12	1.31	5.37	6.14	79	4.31	A	A++	4.60	3.20	974	0.40
	2.5+2.5	2.10	2.10	1.30	4.20	4.70	0.24	0.98	1.10	1.31	5.42	6.07	79	4.27	A	A++	4.60	3.20	973	0.50
	2.5+3.5	1.75	2.45	1.30	4.20	4.80	0.24	0.96	1.10	1.31	5.31	6.07	79	4.36	A	A++	4.60	3.20	974	0.40

Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
2AMXM50M3V1B	2.0	2.00	---	1.40	2.00	2.60	0.31	0.47	0.69	1.53	2.25	3.37	89	---	---	---	---	---	---	---
	2.5	2.50	---	1.40	2.50	3.10	0.31	0.67	0.92	1.53	3.27	4.50	89	---	---	---	---	---	---	---
	3.5	3.50	---	1.40	3.50	4.00	0.31	1.09	1.42	1.53	5.32	6.95	89	---	---	---	---	---	---	---
	5.0	5.00	---	1.60	5.00	5.30	0.33	0.96	1.46	1.64	4.67	7.11	89	---	---	---	---	---	---	---
	2.0+2.0	2.00	2.00	1.80	4.00	5.00	0.43	0.96	1.30	2.12	4.71	5.89	89	4.15	A	482	A+++	8.68	4.00	162
	2.0+2.5	2.00	2.50	1.80	4.50	5.10	0.44	1.09	1.33	2.14	5.35	6.07	89	4.11	A	548	A+++	8.65	4.50	183
	2.0+3.5	1.82	3.18	1.80	5.00	5.40	0.46	1.27	1.51	2.24	6.20	6.70	89	3.94	A	635	A+++	8.51	5.00	206
	2.0+5.0	1.43	3.57	1.80	5.00	5.50	0.45	1.25	1.46	2.20	6.10	6.71	89	4.01	A	624	A+++	8.50	5.00	206
	2.5+2.5	2.50	2.50	1.80	5.00	5.30	0.46	1.28	1.44	2.25	6.25	6.63	89	3.91	A	640	A+++	8.51	5.00	206
	2.5+3.5	2.08	2.92	1.80	5.00	5.40	0.46	1.26	1.45	2.23	6.17	6.67	89	3.96	A	632	A+++	8.53	5.00	206
	2.5+5.0	1.67	3.33	1.80	5.00	5.50	0.45	1.24	1.40	2.19	6.07	6.68	89	4.03	A	621	A+++	8.51	5.00	206
	3.5+3.5	2.50	2.50	1.80	5.00	5.40	0.45	1.25	1.43	2.20	6.10	6.59	89	4.01	A	624	A+++	8.55	5.00	205
	3.5+5.0	2.06	2.94	1.80	5.00	5.50	0.44	1.23	1.35	2.16	5.99	6.59	89	4.08	A	613	A+++	8.50	5.00	206

Heating

Outdoor unit	Indoor unit	Heating capacity (kW)		Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	Energy label	Seasonal data				
		A room	B room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				Label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
2AMXM50M3V1B	2.0	3.00	---	1.10	3.00	3.70	0.27	0.82	1.15	1.33	3.99	5.52	89	---	---	---	---	---	---	---
	2.5	3.40	---	1.10	3.40	4.10	0.25	0.99	1.36	1.23	4.81	6.54	89	---	---	---	---	---	---	---
	3.5	4.00	---	1.10	4.00	4.60	0.25	1.24	1.55	1.23	6.03	7.46	89	---	---	---	---	---	---	---
	5.0	5.50	---	1.20	5.50	5.60	0.23	1.23	1.58	1.12	6.01	9.01	89	---	---	---	---	---	---	---
	2.0+2.0	2.60	2.60	1.20	5.20	5.70	0.30	1.30	1.42	1.47	6.37	6.99	89	3.99	A	A++	4.60	4.00	1216	0.60
	2.0+2.5	2.49	3.11	1.20	5.60	5.80	0.30	1.40	1.44	1.47	6.84	7.09	89	4.00	A	A++	4.60	4.10	1246	0.70
	2.0+3.5	2.04	3.56	1.20	5.60	5.90	0.30	1.40	1.45	1.47	6.83	7.20	89	4.01	A	A++	4.60	4.20	1278	0.80
	2.0+5.0	1.60	4.00	1.20	5.60	6.20	0.30	1.38	1.52	1.45	6.76	7.49	89	4.05	A	A++	4.67	4.20	1258	0.80
	2.5+2.5	2.80	2.80	1.20	5.60	5.80	0.30	1.41	1.44	1.48	6.88	7.13	89	3.98	A	A++	4.60	4.20	1278	0.80
	2.5+3.5	2.33	3.27	1.20	5.60	6.00	0.31	1.42	1.50	1.49	6.93	7.43	89	3.95	A	A++	4.61	4.20	1274	0.80
	2.5+5.0	1.87	3.73	1.30	5.60	6.30	0.33	1.42	1.60	1.61	6.93	7.80	89	3.95	A	A++	4.70	4.20	1252	0.80
	3.5+3.5	2.80	2.80	1.30	5.60	6.10	0.33	1.41	1.54	1.60	6.88	7.50	89	3.98	A	A++	4.65	4.20	1264	0.80
	3.5+5.0	2.31	3.29	1.30	5.60	6.40	0.33	1.43	1.65	1.63	7.00	8.00	89	3.91	A	A++	4.74	4.20	1240	0.80

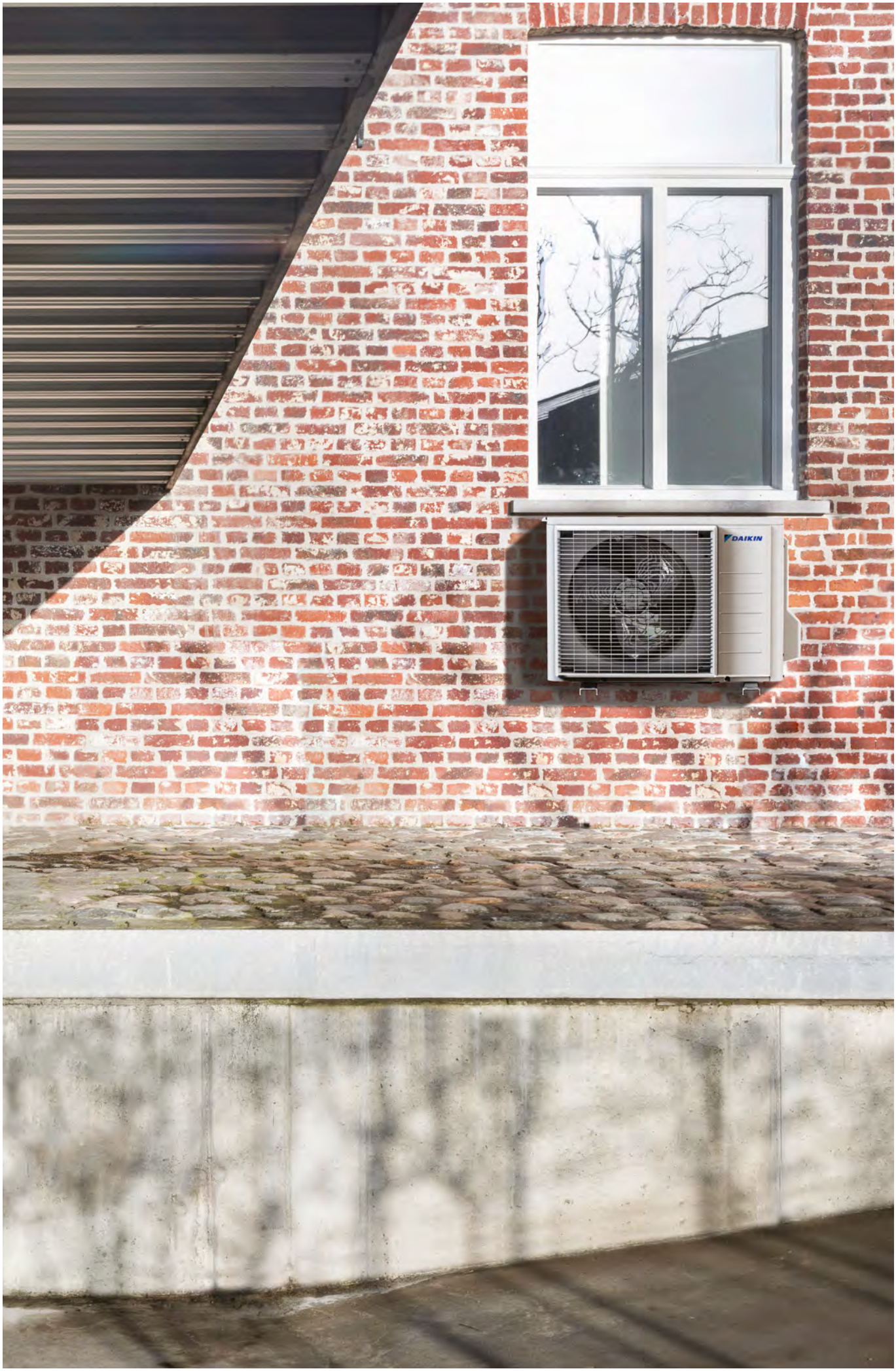
Combination tables

Cooling

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	EER	Energy label	AEC (kWh)	Seasonal data			
		A room	B room	C room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					Label	SEER	Pdesign	AEC
3AMXM52M3V1B	2.0	2.00	---	---	1.60	2.00	3.00	0.36	0.48	0.78	1.60	2.17	3.51	96	---	---	---	---	---	---	---
	2.5	2.50	---	---	1.60	2.50	3.20	0.36	0.64	0.87	1.62	2.89	3.92	96	---	---	---	---	---	---	---
	3.5	3.50	---	---	1.60	3.50	4.20	0.37	0.98	1.30	1.63	4.43	5.88	96	---	---	---	---	---	---	---
	5.0	---	5.00	---	1.60	5.00	5.40	0.35	1.76	2.03	1.55	7.94	9.18	96	---	---	---	---	---	---	---
	2.0+2.0	2.00	2.00	---	1.70	4.00	6.00	0.35	0.87	2.61	1.55	3.95	11.81	96	4.62	A	433	A+++	8.50	4.00	165
	2.0+2.5	2.00	2.50	---	1.70	4.50	6.20	0.35	0.96	2.35	1.55	4.35	10.61	96	4.72	A	477	A+++	8.50	4.50	186
	2.0+3.5	1.89	3.31	---	1.70	5.20	6.30	0.35	1.14	2.50	1.55	5.17	11.31	96	4.60	A	566	A+++	8.50	5.20	215
	2.0+5.0	1.49	3.71	---	1.70	5.20	6.50	0.35	1.11	2.37	1.55	5.03	10.72	96	4.72	A	551	A+++	8.50	5.20	215
	2.5+2.5	2.50	2.50	---	1.70	5.00	6.30	0.35	1.18	2.50	1.55	5.35	11.32	96	4.24	A	590	A+++	8.50	5.00	206
	2.5+3.5	2.17	3.03	---	1.70	5.20	6.30	0.35	1.25	2.40	1.55	5.67	10.83	96	4.18	A	623	A+++	8.50	5.20	215
	2.5+5.0	1.73	3.47	---	1.70	5.20	6.50	0.35	1.21	2.39	1.55	5.49	10.82	96	4.32	A	602	A+++	8.50	5.20	214
	3.5+3.5	2.60	2.60	---	1.70	5.20	6.40	0.35	1.24	2.37	1.55	5.62	10.72	96	4.22	A	617	A+++	8.50	5.20	214
	3.5+5.0	2.14	3.06	---	1.70	5.20	6.60	0.35	1.20	2.39	1.55	5.44	10.82	96	4.34	A	600	A+++	8.50	5.20	214
	2.0+2.0+2.0	1.73	1.73	1.73	1.80	5.20	7.00	0.37	1.22	2.20	1.65	5.53	9.94	96	4.27	A	609	A+++	8.50	5.20	215
	2.0+2.0+2.5	1.60	1.60	2.00	1.80	5.20	7.00	0.37	1.20	2.19	1.65	5.44	9.89	96	4.34	A	600	A+++	8.50	5.20	215
	2.0+2.0+3.5	1.39	1.39	2.43	1.90	5.20	7.20	0.39	1.20	2.15	1.75	5.44	9.69	96	4.36	A	597	A+++	8.50	5.20	214
	2.0+2.0+5.0	1.16	1.16	2.89	2.00	5.20	7.30	0.37	1.17	2.06	1.65	5.30	9.29	96	4.45	A	585	A++	8.09	5.20	225
	2.0+2.5+2.5	1.49	1.86	1.86	1.80	5.20	7.10	0.39	1.19	2.10	1.75	5.39	9.49	96	4.38	A	594	A+++	8.50	5.20	215
	2.0+2.5+3.5	1.30	1.63	2.28	1.90	5.20	7.20	0.39	1.18	2.12	1.75	5.35	9.59	96	4.41	A	590	A+++	8.50	5.20	215
	2.0+3.5+3.5	1.16	2.02	2.02	1.90	5.20	7.30	0.39	1.18	2.12	1.75	5.35	9.59	96	4.42	A	589	A+++	8.50	5.20	215
	2.5+2.5+2.5	1.73	1.73	1.73	1.90	5.20	7.10	0.39	1.19	2.17	1.75	5.39	9.79	96	4.40	A	591	A+++	8.50	5.20	215
	2.5+2.5+3.5	1.53	1.53	2.14	1.90	5.20	7.20	0.39	1.18	2.13	1.75	5.35	9.64	96	4.42	A	589	A+++	8.50	5.20	215

Heating

Outdoor unit	Indoor unit	Cooling capacity (kW)			Total capacity (kW)			Power input (kW)			Total current (A)			Power factor (%)	COP	Energy label	Seasonal data				
		A room	B room	C room	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				Label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
3AMXM52M3V1B	2.0	2.70	---	---	1.10	2.70	3.80	0.30	0.76	1.29	1.34	3.40	5.57	96	---	---	---	---	---	---	---
	2.5	3.40	---	---	1.10	3.40	4.00	0.30	1.01	1.38	1.34	4.54	5.78	96	---	---	---	---	---	---	---
	3.5	4.20	---	---	1.10	4.20	4.80	0.30	1.42	1.76	1.34	6.39	7.73	96	---	---	---	---	---	---	---
	5.0	---	5.80	---	1.10	5.80	6.80	0.30	2.17	2.60	1.34	9.80	11.76	96	---	---	---	---	---	---	---
	2.0+2.0	3.40	3.40	---	1.20	6.80	7.00	0.32	1.63	2.28	1.44	7.39	10.61	96	4.18	A	A+	4.23	4.80	1588	0.9
	2.0+2.5	3.02	3.78	---	1.20	6.80	7.00	0.32	1.62	2.27	1.44	7.34	10.51	96	4.22	A	A+	4.26	4.80	1577	0.9
	2.0+3.5	2.47	4.33	---	1.20	6.80	7.10	0.32	1.61	2.28	1.44	7.30	10.41	96	4.24	A	A+	4.29	4.80	1566	0.8
	2.0+5.0	1.94	4.86	---	1.40	6.80	7.20	0.32	1.56	2.30	1.44	7.07	10.32	96	4.36	A	A+	4.46	4.80	1505	0.7
	2.5+2.5	3.40	3.40	---	1.20	6.80	7.00	0.32	1.57	2.25	1.44	7.12	10.62	96	4.35	A	A+	4.34	4.80	1533	0.9
	2.5+3.5	2.83	3.97	---	1.30	6.80	7.20	0.32	1.56	2.37	1.44	7.07	10.73	96	4.36	A	A+	4.37	4.80	1537	0.8
	2.5+5.0	2.27	4.53	---	1.40	6.80	7.40	0.32	1.54	2.35	1.44	6.98	10.52	96	4.44	A	A+	4.49	4.80	1495	0.7
	3.5+3.5	3.40	3.40	---	1.40	6.80	7.30	0.32	1.55	2.40	1.44	7.02	11.02	96	4.40	A	A+	4.36	5.00	1604	0.9
	3.5+5.0	2.80	4.00	---	1.45	6.80	7.50	0.32	1.53	2.32	1.44	6.93	10.72	96	4.46	A	A+	4.48	5.00	1548	0.8
	2.0+2.0+2.0	2.27	2.27	2.27	1.30	6.80	8.00	0.32	1.42	2.15	1.44	6.44	9.99	96	4.81	A	A++	4.60	5.00	1521	0.9
	2.0+2.0+2.5	2.09	2.09	2.62	1.30	6.80	8.00	0.32	1.41	2.13	1.44	6.39	9.89	96	4.85	A	A++	4.61	5.00	1519	0.9
	2.0+2.0+3.5	1.81	1.81	3.17	1.40	6.80	8.10	0.32	1.40	2.14	1.44	6.35	9.99	96	4.88	A	A++	4.62	5.00	1514	0.9
	2.0+2.0+5.0	1.51	1.51	3.78	1.60	6.80	8.30	0.32	1.31	2.10	1.44	5.94	9.59	96	5.20	A	A++	4.76	5.00	1468	0.8
	2.0+2.5+2.5	1.94	2.43	2.43	1.30	6.80	8.00	0.32	1.40	2.11	1.44	6.35	9.79	96	4.89	A	A++	4.62	5.00	1514	0.9
	2.0+2.5+3.5	1.70	2.13	2.98	1.50	6.80	8.10	0.32	1.38	2.13	1.44	6.25	9.89	96	4.93	A	A++	4.63	5.00	1510	0.9
	2.0+3.5+3.5	1.51	2.64	2.64	1.50	6.80	8.20	0.32	1.38	2.17	1.44	6.25	9.69	96	4.95	A	A++	4.64	5.00	1507	0.9
	2.5+2.5+2.5	2.27	2.27	2.27	1.40	6.80	8.00	0.32	1.39	2.09	1.44	6.30	9.69	96	4.92	A	A++	4.61	5.00	1505	0.9
	2.5+2.5+3.5	2.00	2.00	2.80	1.50	6.80	8.10	0.32	1.38	2.11	1.44	6.25	9.74	96	4.95	A	A++	4.64	5.00	1509	0.9


DAIKIN



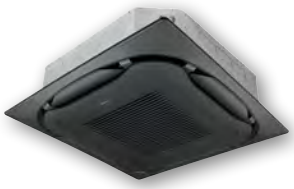
New round flow cassette

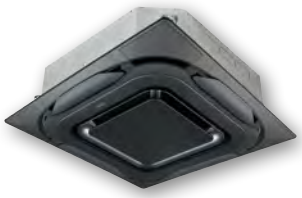
› **Bigger flaps** and **new sensor logic** further improves equal air distribution in the room

› **Widest ever choice in panels** for cassette units, with up to 8 different panels

› Comes with the known benefits: **360° air flow discharge and intelligent sensors**

› **Auto cleaning** panels available in black and white


Black auto cleaning panel


Black designer panel


Full white standard panel


White designer panel

VISIT OUR BIM APPLICATION SUITE ON WWW.DAIKIN.EU/BIM

Sky Air

Light commercial applications

Sky Air the solution for the light commercial sector

Sky Air is Daikin's industry-leading light commercial range, which has been designed for optimum seasonal energy efficiency. Providing the ideal solution for all kinds of small commercial spaces, the Sky Air series offers a complete comfort solution that puts you in total control of your heating and cooling, ventilation and air curtains.

Sky Air A-series 238
Why choose a Daikin Sky Air 240
In the spotlight 242
Products overview indoor units 248
Benefits overview indoor units 250

UNIQUE Ceiling mounted cassettes 254
NEW FCAHG-H R-32 / R-410A 257 / 290
NEW FCAG-B R-32 / R-410A 258 / 292
FFA-A9 R-32 / R-410A 264 / 296

Concealed ceiling units 266
UNIQUE Auto cleaning filter for concealed ceiling units 266
Multi zoning kit 267
FDXM-F9 R-32 / R-410A 268 / 297
FBA-A(9) R-32 / R-410A 270 / 298
FDA-A R-32 / R-410A 274 / 301
FDQ-B R-410A 302
NEW ADEA-A R-32 / R-410A 275 / 303
ABQ-C R-410A 304

Wall mounted units 276 / 305
FAA-A R-32 / R-410A 276 / 305
NEW FTXM-N R-32 279

Ceiling suspended units 280 / 307
FHA-A(9) R-32 / R-410A 280 / 307
AHQ-C R-410A 310
UNIQUE FUA-A R-32 / R-410A 284 / 311

Floor standing units 286 / 313
FVA-A R-32 / R-410A 286 / 313

Concealed floor standing units 288 / 315
FNA-A9 R-32 / R-410A 288 / 315

Products overview outdoor units 318
Benefits overview outdoor units 319
Why choose Sky Air A-series 320
R-32 Bluevolution range 322
NEW RZAG-A/MV1/MY1 Sky Air Alpha-series 322
RZASG-MV1/MY1 Sky Air Advance-series 323
NEW ARXM-N9 /AZAS-MV1/MY1 Sky Air Active-series 324
R-410A range 326
RZQG-L9V1/L(8)Y1 Seasonal Smart 326
RZQSG-L3/L9V1/LY1 Seasonal Classic 327
ARXS-L(3) /AZQS-B8V1/BY1 328
RZQ-C Super Inverter 329

Rooftop 330
UATYQ-ABAY1 330
UATYQ-AFC2Y1 330
UATYQ-AFC3Y1 330
UATYQ-CY1 + Economiser 334
UATYP-AY1(B) 335

Options & accessories 336



Discover Sky Air A-series

on page 320

Get ahead

of the competition

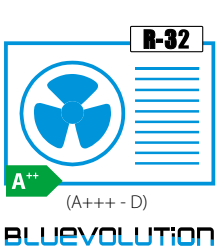
THE ENERGY AWARDS 17
Headline Sponsor
Resource Data Management
REWARDING EXCELLENCE IN THE ENERGY BUSINESS
WINNER

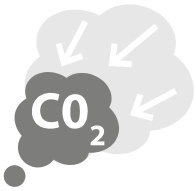
NATIONAL ACR HEAT PUMP AWARDS
2018 winner

WINNER
fac COOLING INDUSTRY AWARDS 17
CLIMATE CENTER

☑ Europe's first light commercial system using R-32 refrigerant

- R-32 Global Warming Potential (GWP) is 68% lower than the industry standard R-410A
- Highest efficiency **(SEER up to 8.02)** in the market
- Does not require yearly refrigerant containment checks, which reduces maintenance costs
- 16% less refrigerant charge





BLUEVOLUTION

☑ App Control

- Control your device at anytime from anywhere
- Intuitive
- Via smartphone, tablet or cloud

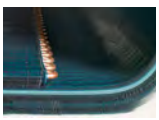


☑ Lighter and more compact units for easy installation. Unique single fan range up to 14 kW

3-row heat exchanger

- Unique 3-row heat exchanger to allow compact casing up to 14 kW



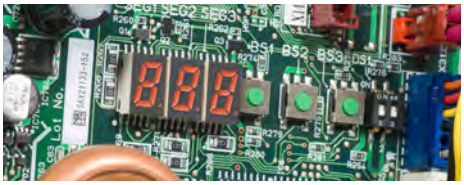




☑ Redesigned **pivoting front plate** for easy access to vital system components



☑ New **7-segment display** to do outdoor unit settings and view operating conditions



https://www.daikin.eu/sky-air-bluevolution



Sky Air, the solution for the light commercial sector.

7 reasons why Sky Air is unique in the market

1 Full Sky Air R-32 range delivering future-proofed, best-in-class climate control

More details on page 320

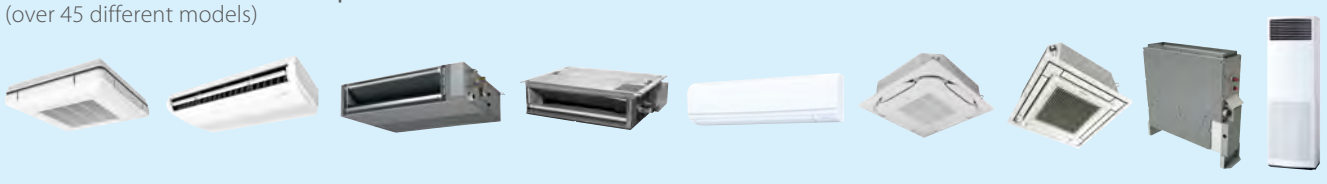
SkyAir A-series BLUEVOLUTION



System	Type	Model	Product name	PG	35	50	60	71	100	125	140
					3.5 kW	5.0 kW	6.0 kW	6.8 kW	9.5 kW	12.1 kW	13.4 kW
Air cooled	Heat pump	**SkyAir Alpha-series** R-32 A++ (A+++ - D) - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature (RZAG-M* series) - Maximum piping length up to 85m (50m for RZAG35-50-60) - Replacement technology - Extended operation range down to -20°C in both heating and cooling - Pair, twin, triple and double twin application (RZAG-M* series)	RZAG-A RZAG-MV1	322	NEW	NEW	NEW				
NEW			RZAG-MY1	322							
		SkyAir Advance-series R-32 A+ (A+++ - D) - Technology and comfort combined for commercial applications - Very compact and easy to install outdoor units - Maximum piping length up to 50m - Replacement technology - Operation range down to -15°C both cooling and in heating - Pair, twin, triple and double twin application	RZASG-MV1	323							
			RZASG-MY1	323							
		SkyAir Active-series R-32 A (A+++ - D) - Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to 30m - Replacement technology - Easy-to-mount outdoor units: roof, terrace or wall - Exclusively offered for pair applications	ARXM-N9 AZAS-MV1	324				NEW			
			AZAS-MY1	324							

Full indoor line up available for R-32 and R-410A

(over 45 different models)



2 High energy efficiency

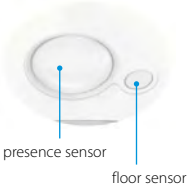
- **Top seasonal efficiency**
  - SEER up to 8.02 and A++ label in cooling and heating
  - Variable Refrigerant Temperature that automatically adapts the refrigerant temperature to the load
- Round flow and concealed ceiling units with **auto cleaning filter**





3 Best comfort

- **Variable Refrigerant Temperature** preventing cold draughts
- **Low sound** indoor and outdoor units
- **Presence and floor sensors** direct the air flow away from persons, while ensuring an even temperature distribution
- Operation down to **-20°C in heating and cooling** operation
- Fresh air intake integrated in indoor unit



4 Top reliability

- For **infrastructure cooling**
  - unique boosted capacity indoor unit systems
  - duty rotation control
- **Refrigerant cooled PCB**
- New refrigerant passes keeping heat exchanger and drain holes completely open at all times
- **Most extensive testing** before new units leave the factory
- **Widest support network** and after sales service
- All spare parts available in Europe



bottom plate refrigerant pass

5 Market leading controls

- **Remote connectivity**
  - **Intuitive app** control
  - **Daikin Cloud Service** offering online control, energy monitoring and comparison of multiple sites
- **User-friendly wired remote controller with premium design**
  - Intuitive touch button control
  - 3 color versions
  - Advanced settings can be easily done via your smartphone
- **Dedicated control solutions**
  - for retail applications
  - for infrastructure cooling



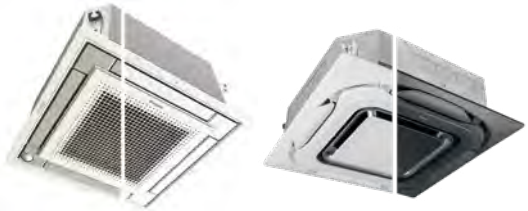


BRC1H51(9)W

6 Superior aesthetics

- **Fully flat cassette** design unit that integrates fully flat into the ceiling
- **Auto cleaning** units ensure dirt-free ceilings with high efficiency filters for regular and dust prone areas

NEW
- Widest ever range cassette panels
  - Available in **white and black**
  - Sleek **designer panel** range



7 Unique installation benefits

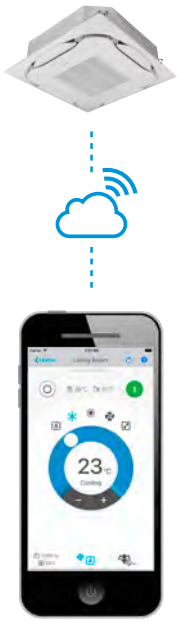
NEW
- **4-way blow ceiling suspended cassette** (FUA) for rooms without false ceiling.
- Plug & play Daikin air handling unit with ERQ condensing units
- Total solution for cooling, heating, air curtains and ventilation
- Dedicated assymetric combinations for infrastructure cooling
- Reliably replace Daikin and non-Daikin systems without the need for pipe cleaning thanks to the new hepta filtration
- Use up to 4 indoor units linked to one outdoor unit for long or irregularly shaped rooms







Always in control,
no matter where you are

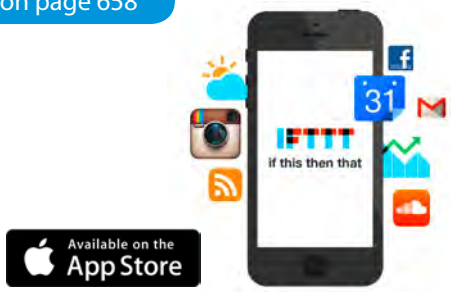


BRP069*

Online Controller

› Simple control from your smartphone
› Control your device at anytime from anywhere
› For single shop control
› 3rd party products and services integration via IFTTT

More details on page 658



All unified indoor units connectable

Connectable units overview:

Ceiling mounted
› FCAHG-H
› FCAG-B
› FFA-A9

Concealed ceiling
› FDXM-F9
› FBA-A(9)
› FDA-A
› ADEA-A

Wall mounted
› FAA-A

Ceiling suspended
› FHA-A(9)
› FUA-A

Floor standing
› FVA-A
› FNA-A9

If this, then that

› IFTTT is a solution that connects compatible 3rd party products and services (smart meters, lights, thermostats, ...), so they work best for you.



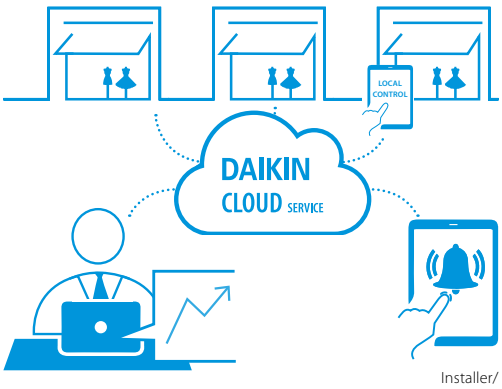
DCC601A51

Intelligent Tablet Controller

› User-friendly touch screen to centrally control your A/C and alarms
› Connects to the Daikin Cloud Service
› Built for multi-site control and monitoring
› Installers and technical managers can see alarms so they can provide remote assistance

More details on page 668

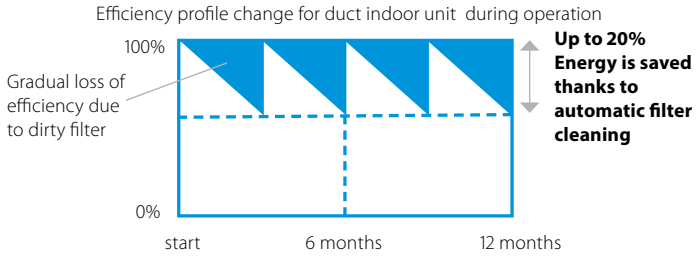
From one to ∞ sites



Unique
auto cleaning technology



Reduce running costs
› Automatic filter cleaning ensures high efficiencies and low maintenance costs because the filter is always clean



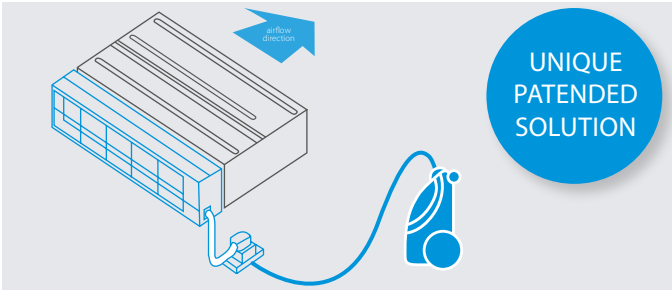
Minimal time required for filter cleaning
› The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
› No more dirty ceilings

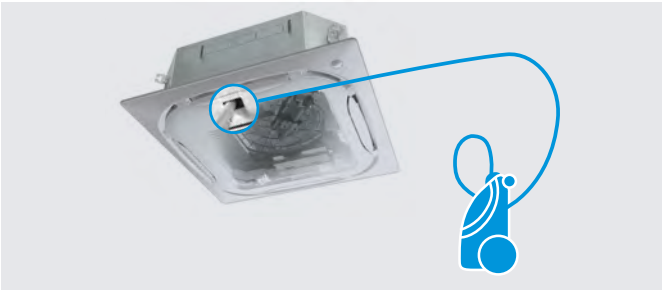
Unique technology
› Unique and innovative filter technology inspired by the Daikin auto cleaning cassette

Unique in the market

Improved indoor air quality
› Optimum airflow eliminates draft and insulates sound

How does it work?
1 Scheduled automatic filter cleaning
2 Dust collects in a dust box that's integrated into the unit
3 The dust can easily be removed with a vacuum cleaner





Concealed ceiling units
› Ideal for hotels and residential applications
› Cleaning team /owner can clean the filter

More details on page 266

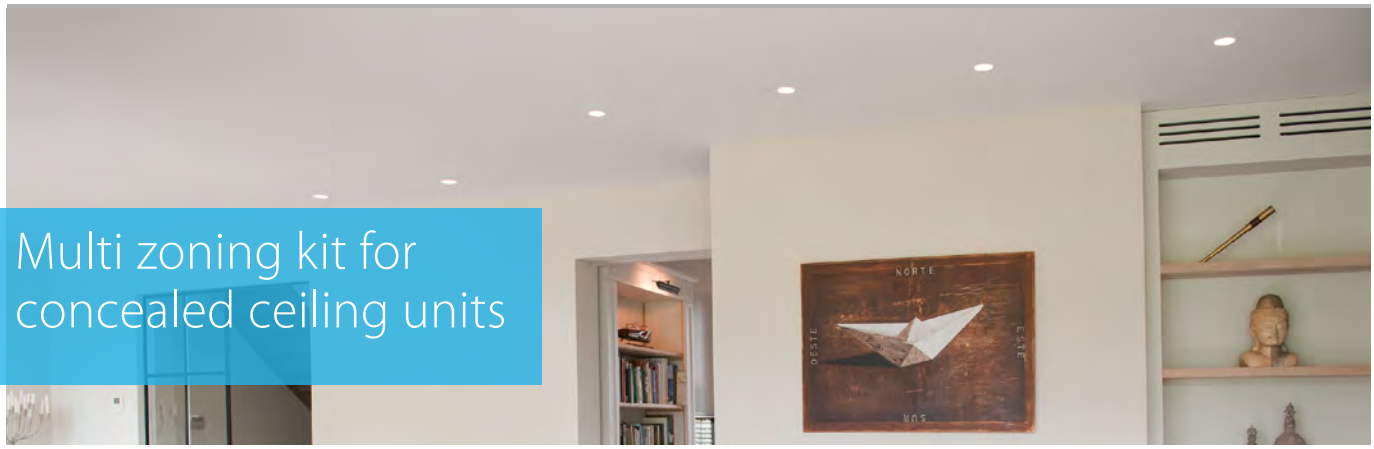
Round flow cassette
› Ideal for retail
› Staff/owner can clean the filter
› No need to use a ladder to reach the unit
› Available in standard white and black

More details on page 254

Combination table

	Split / Sky Air				VRV						
	FDXM-F9				FXDQ-A3						
	25	35	50	60	15	20	25	32	40	50	63
BAE20A62	•	•			•	•	•	•			
BAE20A82									•	•	
BAE20A102			•	•							•

			Sky Air		VRV
			FCAG-B	FCAHG-H	FXFQ-B
	BYCQ140EG	☐	•	•	•
	BYCQ140EGF (fine mesh)	☐	•	•	•
NEW	BYCQ140EGFB (fine mesh)	■	•	•	•



Multi zoning kit for concealed ceiling units

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

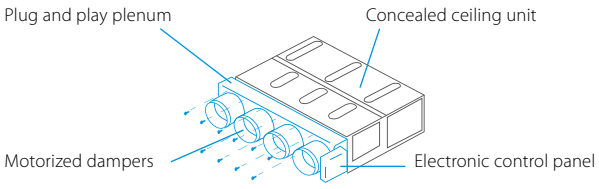
Benefits

Increased comfort

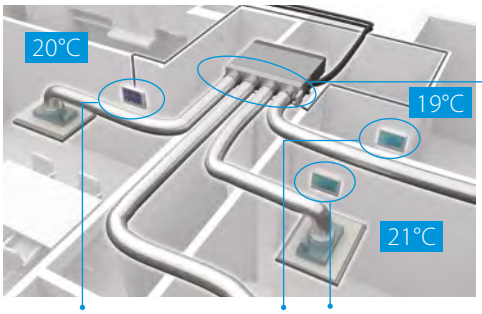
› Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

Easy to install

› Automatic air flow adjustment according to the demand
› Easy to install, integrates with the Daikin indoor units and system controls
› Time saving as plenum comes fully pre-assembled with dampers, and control boards
› Reduces the amount of refrigerant required in the installation



How does it work?





Zoning box: fully pre-assembled plenum with dampers

Individual zone thermostats

Blueface - Airzone Main Thermostat
› Color graphic interface for controlling zones
› Wired communication



AZCE6BLUEFACECB

Airzone Zone Thermostat
› Graphic interface with low-energy e-ink screen for controlling zones
› Radio communication



AZCE6THINKRB

Airzone Zone Thermostat
› Thermostat with buttons for controlling the temperature
› Radio communication



AZCE6LITERB

Compatibility

	Number of motorised dampers	Reference	Dimensions H x W x D (mm)	SkyAir FDXM-F9 25	35	50	60	SkyAir FBA-A(9) 35	50	60	71	100	125	140	SkyAir ADEA-A 71	100	125	VRV FXDQ-A3 15	20	25	32	40	50	63	VRV FXSQ-A 15	20	25	32	40	50	63	71	80	100	125	140
Standard Ceiling Void	2	AZEZ6DAIST07XS2	300 x 930 x 454																						●	●	●	●							
		AZEZ6DAIST07S2						●	●																				●	●					
	3	AZEZ6DAIST07XS3	300 x 930 x 454																						●	●	●	●							
		AZEZ6DAIST07S3						●	●																				●	●					
	4	AZEZ6DAIST07S4	300 x 930 x 454					●	●																				●	●					
		AZEZ6DAIST07M4	300 x 1,140 x 454							●	●				●																●		●		
	5	AZEZ6DAIST07M5	300 x 1,425 x 454							●	●				●																●		●		
		AZEZ6DAIST07L5										●	●	●		●	●																●	●	
	6	AZEZ6DAIST07M6	300 x 1,638 x 454							●	●				●																●		●		
		AZEZ6DAIST07L6										●	●	●		●	●																●	●	
	7	AZEZ6DAIST07L7	515 x 1,425 x 454									●	●	●		●	●																●	●	
		AZEZ6DAIST07XL7																																	●
	8	AZEZ6DAIST07L8	515 x 1,425 x 454									●	●	●		●	●																●	●	
		AZEZ6DAIST07XL8																																	●
Compact Ceiling Void	2	AZEZ6DAISL01S2	210 x 720 x 444	●	●													●	●	●	●														
	3	AZEZ6DAISL01S3	210 x 720 x 444	●	●													●	●	●	●														
	4	AZEZ6DAISL01M4	210 x 930 x 444																			●	●												
	5	AZEZ6DAISL01L5	210 x 1,140 x 444			●	●																	●											



Infrastructure cooling

Unique in the market

NEW
RZAG-A range with small capacities (35-50-60 class)

Infrastructure cooling

› For rooms and enclosures that require round-the-clock cooling
› Where continuous uptime is the absolute requirement for server data protection

Between **20-40%** sensible capacity increase

Reliable

Guaranteed system operation:
› Oversized indoor units boost cooling capacity and prevent freeze-ups on the indoor side
› Wide operating range envelope: operation range in cooling down to -20°C and up to +52°C

Efficient

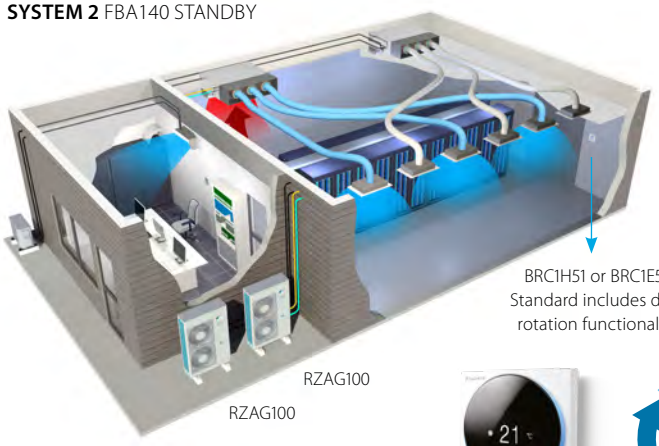
Optimum return on investment:
› Lowers running costs by using highly efficient direct expansion cooling systems
› Lower running costs compared to other DX systems and water based chillers.
› Minimises environmental impact with A++ energy labels (A+++ - D)
› Reduces mechanical cooling and energy consumption with the free cooling option for single phase systems

Flexible

› Scalable in capacity
› Improved infrastructure control and management
› Lower physical footprint since no floor space is occupied
› Wide range of indoor units to suit application preferences (ceiling suspended cassettes, wall mounted indoors, concealed ceiling ducted type indoors)

Duty rotation application example

SYSTEM 1 FBA140 IN OPERATION
SYSTEM 2 FBA140 STANDBY

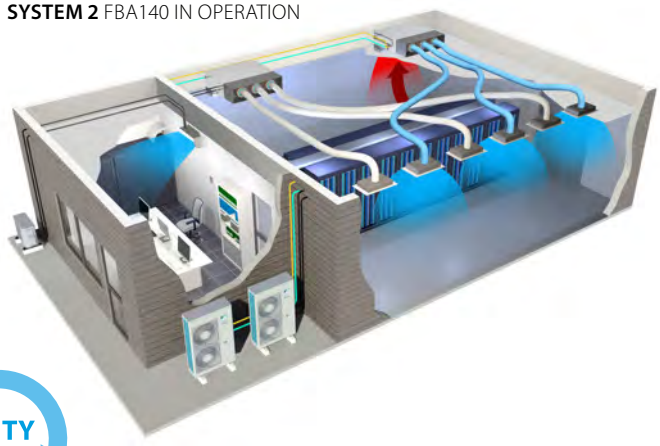




BRC1H519W



SYSTEM 1 FBA140 STANDBY
SYSTEM 2 FBA140 IN OPERATION





Variable Refrigerant Temperature

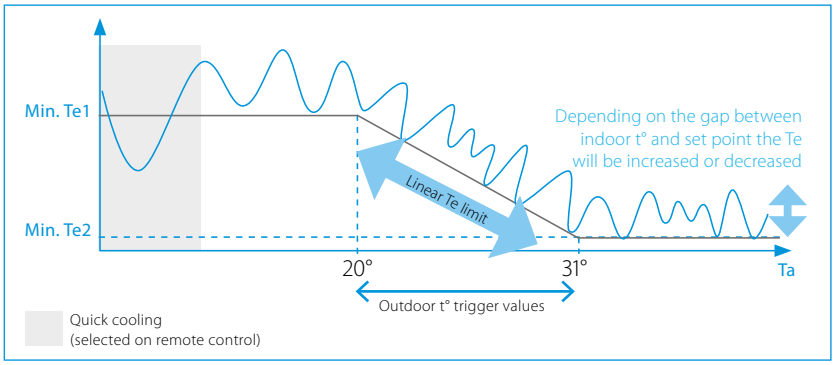
The ultimate customer experience

- ☑ **Increases air discharge temperature and eliminates cold drafts!**
- ☑ **Increased customer comfort and reduced energy consumption!**

› The system automatically increases its evaporating temperature (Te) when the gap between the actual indoor temperature (Tin) and the setpoint (Tset) is becoming smaller
› Possibility to customize the evaporating limits

Weather dependent limitation

› Two defined outdoor temperatures trigger the changeover of the Te
› Between those two trigger values the Te will change linear



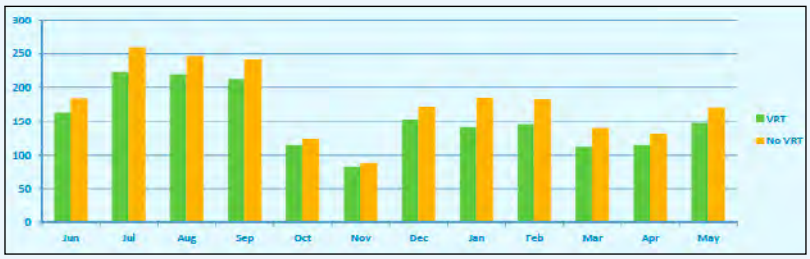
Case study: JBC, Vilvoorde

- ☑ **Two pair systems are installed in the same zone allowing comparison**

	Outdoor	Indoor	Deco panel	Control
System 1 = VRT enabled (Alpha 1)	RZAG125MV1	FCAG125A	BYCQ140D	1 x BRC1E53A
System 2 = Factory settings (Alpha 2)	RZAG125MV1	FCAG125A	BYCQ140D	

- ☑ **More energy efficient: up to 20% lower energy consumption**

Average energy consumption over a full year was 14% less!



- ☑ **Improved comfort: higher discharge temperatures**

› More stable and continuous operation
› Average discharge temperature increased with 3~4°C





Replacement technology

The quick and quality way of upgrading R-22 and R-410A systems

Benefits to increase your profit

Optimise your business

Less installation time
Tackle more projects in less time thanks to faster installation. It is more profitable than replacing the full system with new piping.

Lower installation costs
Reducing installation costs enables you to offer customers the most cost-effective solution and improve your competitive edge.

Replace non-Daikin systems

NON DAIKIN → DAIKIN

It is a trouble-free replacement solution for Daikin systems and for systems made by other manufacturers.

Easy as one-two-three
A simple solution for replacement technology enables you to handle more projects for more customers in less time and offer them the best price! Everybody gains.

The benefits will convice your customer

- ☑ To prevent unexpected breakdown
- ☑ To lower running costs
- ☑ To protect the environment
- ☑ To improve comfort

Your copper pipes will last for multiple generations

- copper pipes used in air conditioning systems tested by Daikin will last over 60 years after installation.

- Japan/China have replaced with VRV Q-series already 10 years ago!

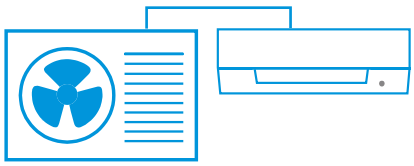
Umeda Center Building, Japan
- original A/C system: 20 years in use
- replacement with VRV Q-series: 2006 - 2009
- capacity up from 1620HP to 2322HP
- SHASE renewal award: 2013 (1st)



How does it work?

The Daikin low-cost upgrade solution

! Replace indoor units
Contact your local dealer to check compatibility in case you need to keep the indoor units.

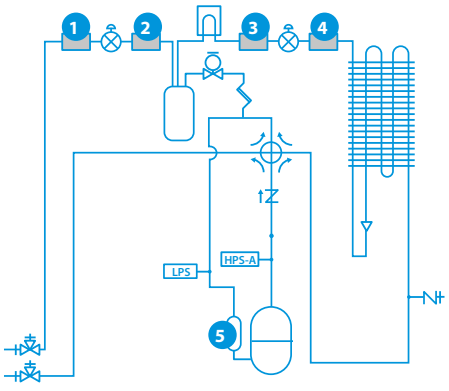


✓ Replace outdoor units

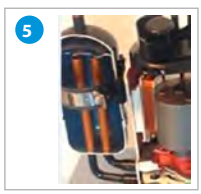
Learn more about Daikin replacement solutions at www.daikin.eu/en_us/knowledge-center/replacement-technology.html

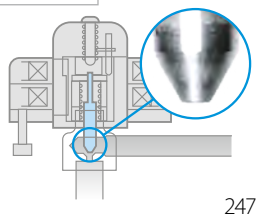
Unique technologies

› Cleaning free piping re-usage thanks to unique hepta filtering for maximum particle reduction



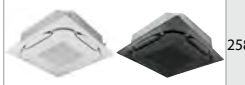
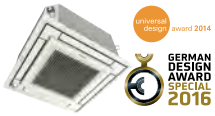






› New expansion valve needle material, with high corrosion resistance
› New type oil for maximum system protection

Product overview SkyAir

Type	Model	Product name		PG	
Ceiling mounted cassette	UNIQUE High COP, Round flow cassette NEW Black and designer panels	FCAHG-H		257/290	360° air discharge for the highest efficiency and comfort - High COP cassette ensures top performance for commercial applications - Auto cleaning function ensures high efficiency - Intelligent sensors save energy and maximize comfort - Flexibility to suit every room layout - Widest choice ever in decoration panel designs and colors ROUND FLOW
	UNIQUE Round flow cassette NEW Black and designer panels	FCAG-B		258/292	360° air discharge for the highest efficiency and comfort - Auto cleaning function ensures high efficiency - Intelligent sensors save energy and maximize comfort - Flexibility to suit every room layout - Lowest installation height in the market - Widest choice ever in decoration panel designs and colors ROUND FLOW
	UNIQUE Fully flat cassette	FFA-A9		264/296	Unique design in the market that integrates fully flat into the ceiling - Perfect integration in standard architectural ceiling tiles - Blend of iconic design and engineering excellence with a white or silver and white finish - Intelligent sensors save energy and maximize comfort - Flexibility to suit every room layout without changing the location of the unit! - Quietest 600 x 600 cassette on the market
Concealed ceiling	Slim concealed ceiling unit Auto cleaning option Multi zoning option	FDXM-F9		268/297	Slim design for flexible installation - Compact dimensions enable installation in narrow ceiling voids - Medium external static pressure up to 40Pa - Small capacity unit developed for small of well insulated rooms - Auto cleaning function ensures high efficiency and reliability
	Concealed ceiling unit with medium ESP Multi zoning option	FBA-A(9)		270	Slimmest yet most powerfull medium static pressure unit on the market! - Slimmest unit in class, only 245mm - Low operating sound level - Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths - Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort
	Concealed ceiling unit with high ESP	FDA-A		274/301	ESP up to 200Pa, ideal for large sized buildings - Discretely concealed in the ceiling: only the grilles are visible - Possibility to change ESP via wired remote control allows optimisation of the supply air volume - Flexible installation as the air suction direction can be altered from rear to bottom suction
	Concealed ceiling unit with high ESP	FDQ-B		302	ESP up to 250Pa, Ideal for extra large sized spaces - Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible - Up to 26.4kW in heating mode
	NEW Concealed ceiling unit	ADEA-A		275/303	Ideal for residential applications with false ceilings - Energy label up to A - Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths - Slimmest unit in class, only 245mm - Exclusively offered for pair applications
	Concealed ceiling unit	ABQ-C		304	Ideal for medium sized shops with false ceilings - Discretely concealed in the ceiling: only the grilles are visible - Best protection against possible water leakage
Wall mounted	Wall mounted unit	FAA-A		276/305	For rooms with no false ceilings nor free floor space - The air is comfortably spread up- and downwards thanks to 5 different discharge angles - Easy maintenance as this can be done from the front of the unit - Easy to install: 100 class is 35% lighter than previous model - Flexible to install: pipe connection can be bottom, left or right
	NEW Perfera wall mounted unit	FTXM-N		279	For rooms with no false ceilings nor free floor space - Practically inaudible - 2 area motion detection sensor - Flash streamer technology - 3D air flow
Ceiling suspended	Ceiling suspended unit	FHA-A(9)		280/308	For wide rooms with no false ceilings nor free floor space - Ideal for comfortable air flow in wide rooms thanks to Coanda effect - Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily! - Can be mounted in corners or narrow spaces without any problem
	UNIQUE 4-way blow ceiling suspended unit	FUA-A		284/311	Unique Daikin unit for high rooms with no false ceilings nor free floor space - Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily! - Flexibility to suit every room layout without changing the location of the unit! - Optimum comfort guaranteed with automatic air flow adjustment to the required load - The air is comfortably spread up- and downwards thanks to 5 different discharge angles
	Ceiling suspended unit	AHQ-C		310	For wide rooms with no false ceilings nor free floor space - Guarantees a stable temperature
Floor standing	Floor standing unit	FVA-A		286/313	For spaces with high ceilings - Ideal solution for commercial spaces with no or narrow false ceilings - Even rooms with very high ceilings can be heated up or cooled down very easily! - Guarantees a stable temperature - Vertical and horizontal outblow
	Concealed floor standing unit	FNA-A9		288/315	Designed to be concealed in walls, only grilles remain visible - Slimmest unit on the market with a depth of only 200mm! - Both window sill or ducted installation are possible thanks to sufficient ESP - Whisper quiet operation allows installation in any location

Full R-32 BLUEVOLUTION line up

Capacity class										Outdoor unit combination						
										R-32			R-410A			
25	35	50	60	71	100	125	140	200	250	Sky Air Alpha-series RZAG*	Sky Air Advance-series RZASG*	Sky Air Active-series ARXM*/ AZAS*	Seasonal Smart RZQG*	Seasonal Classic RZQSG*	AZQS*	Super Inverter RZQ*
				•	•	•	•			✓			✓	✓		
	•	•	•	•	•	•	•			✓	✓	✓	✓	✓	✓	✓
•	•	•	•							✓	✓		✓	✓		✓
•	•	•	•							✓	✓		✓	✓		✓
	•	•	•	•	•	•	•			✓	✓	✓	✓	✓		✓
						•				✓	✓		✓	✓		✓
								•	•							✓
				•	•	•						✓ NEW			✓	
					•	•	•								✓	
				•	•					✓	✓	✓	✓	✓		✓
	•	•	•							✓						
	•	•	•	•	•	•	•			✓	✓		✓	✓		✓
				•	•	•				✓	✓		✓	✓		✓
				•	•	•	•								✓	
				•	•	•	•			✓	✓		✓	✓		✓
•	•	•	•							✓	✓		✓	✓		✓

Benefits overview SkyAir

We care	Seasonal efficiency - Smart use of energy	Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season.
	Home leave operation	During absence, the indoor temperature can be maintained at a certain level.
	Fan only	The air conditioner can be used as fan, blowing air without cooling or heating.
	Auto cleaning filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.
	Floor and presence sensor	The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.
Comfort	Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired.
	Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood.
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.
Air treatment	Air filter	Removes airborne dust particles to ensure a steady supply of clean air.
Humidity control	Dry programme	Allows humidity levels to be reduced without variations in room temperature.
Air flow	Ceiling soiling prevention	A special function prevents air blowing out too long in horizontal position, to prevent ceiling stains.
	Vertical auto swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.
	Fan speed steps	Allows to select up to the given number of fan speed.
	Individual flap control	Individual flap control via the wired remote controller makes it simple to fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well.
Remote control & timer	Online controller	Can control and monitor the status of your Daikin heating or air conditioning system
	Weekly timer	Timer can be set to start operation anytime on a daily or weekly basis
	Infrared remote control	Infrared remote control with LCD to start, stop and regulate the air conditioner from a distance.
	Wired remote control	Wired remote control to start, stop and regulate the air conditioner from a distance.
	Centralised control	Centralised control to start, stop and regulate several air conditioners from one central point.
	Multi zoning	Allows up to 6 individual climate zones with one indoor unit
Other functions	Infrastructure cooling	Remove in a reliable, efficient and flexible way the heat constantly generated by the IT and server equipment to ensure maximum uptime while offering the best return on investment (RZAG* or RZQG* outdoor unit must be used).
	Auto-restart	The unit restarts automatically at the original settings after power failure.
	Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies.
	Drain pump kit	Facilitates condensation draining from the indoor unit.
	Twin/triple/double twin application	2, 3 or 4 indoor units can be connected to only 1 outdoor unit. All indoor units operate within the same mode (cooling or heating) from one remote control.
	Multi model application	Up to 5 indoor units (even different capacities) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.
	VRV for residential application	Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

Ceiling mounted cassette units			Concealed ceiling units						Ceiling suspended units	4-Way blow ceiling suspended unit	Ceiling suspended units	Wall mounted unit	Perfera wall mounted unit	Floor standing units	
NEW FCAHG-H	NEW FCAG-B	FFA-A9	FDXM-F9	FBA-A(9)	FDA-A	FDQ-B	NEW ADEA-A	ABQ-C	FHA-A(9)	FUA-A	AHQ-C	FAA-A	NEW FTXM-N	FVA-A	FNA-A9
															
●	●	●	●	●	●		●		●	●		●	●	●	●
●	●	●	●	●	●	●	●		●	●		●		●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●		●												
●	●	●													
●	●	●								●					
●	●	●		●			●						●		
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	● ●	●	●	●	●	●	● (incl. Flash streamer)	●	●
●	●	●	●	●	●		●		●	●		●	●	●	●
●	●	●													
●	●	●							●	●		●	● (incl. 3D air flow)	●	
5	5	3	3	3	3	2	3	3	3	3	3	3	5	3	3
●	●	●								●					
●	●	●	●	●	●		●		●	●		●	●	●	●
●	●	●	● depending on controller	●	●	●	●	●	●	●	●	●	●	●	●
optional	optional	optional	optional	optional	optional		optional		optional	optional	standard	optional	standard		optional
optional	optional	optional	optional	optional	optional	optional	optional	standard	optional	optional	optional	optional	optional	optional	optional
optional	optional	optional	optional	optional	optional	optional	optional		optional	optional		optional	optional	optional	optional
			●	●											
●	●	●	●	●	●		●		●	●		●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●		●		●	●		●	●	●	●
standard	standard	standard		standard	standard	●	optional		optional	standard		optional			
●	●	●	●	●	●		●		●	●		●			●
	●	●	●	●			●		●				●		●
	●	●	●	●					●						●



FULLY FLAT CASSETTE



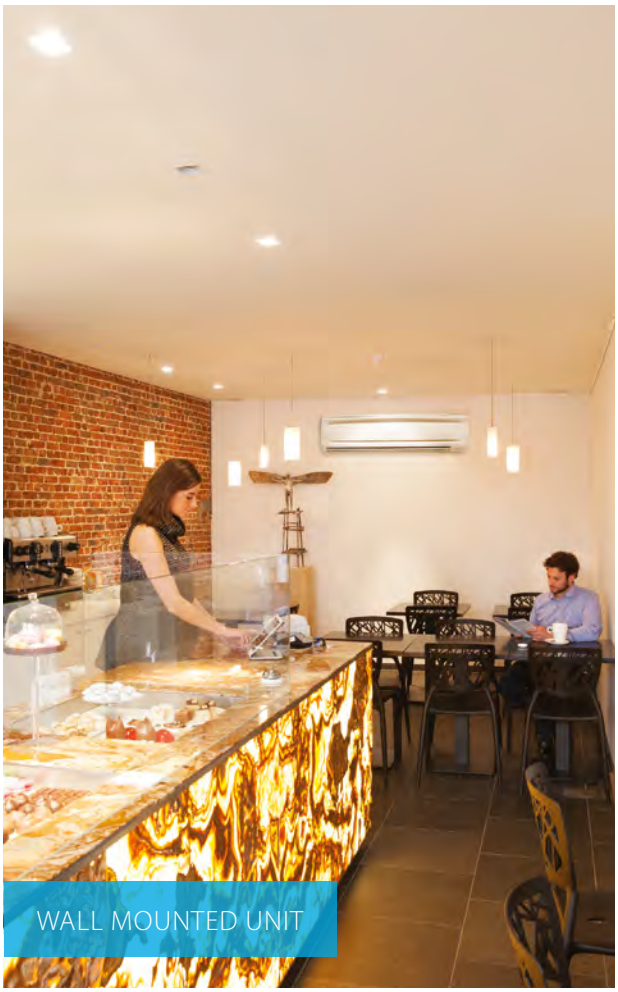
CONCEALED CEILING UNIT



CONCEALED FLOOR STANDING UNIT



4-WAY BLOW CEILING SUSPENDED CASSETTE



WALL MOUNTED UNIT



CEILING SUSPENDED UNIT



ROUND FLOW CASSETTE, DESIGNER PANEL

Round flow cassette



360° air discharge for improved comfort

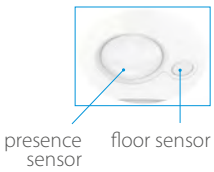
› Industry-first and proven design.
NEW › Wider flaps to even further improve equal temperature distribution

More energy efficient and user-friendly than any other cassette

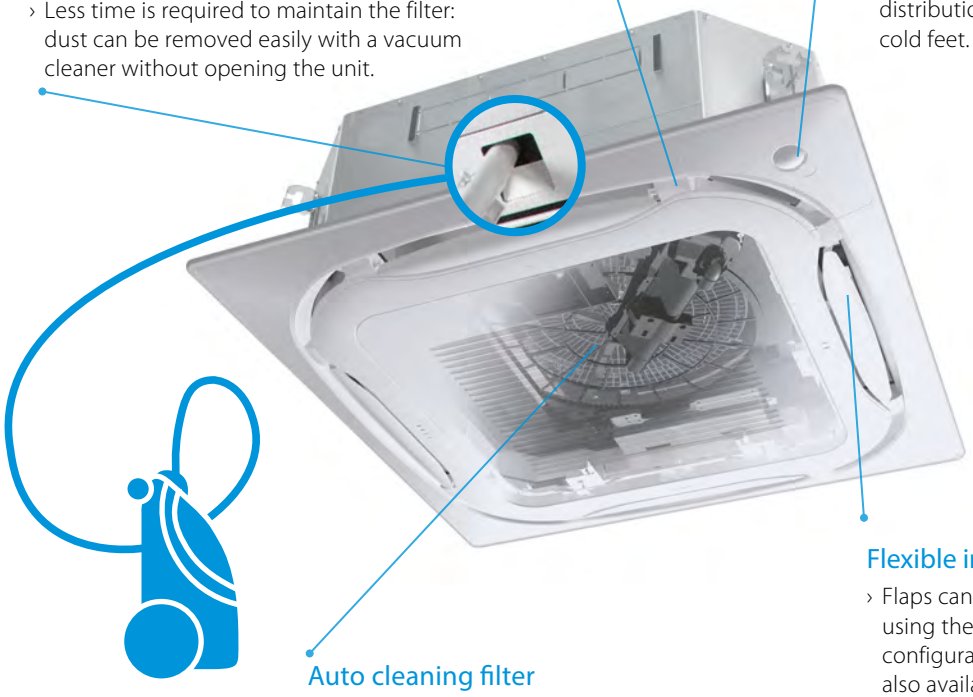
› Running costs can be reduced down to 50% compared with standard solutions
› Automatic filter cleaning.
› Less time is required to maintain the filter: dust can be removed easily with a vacuum cleaner without opening the unit.

Intelligent sensors improve efficiency and comfort even more

› The presence sensor adjusts the set point if no one is detected in the room leading to up to 27% savings. It also automatically directs air flow away from any person to avoid draught.

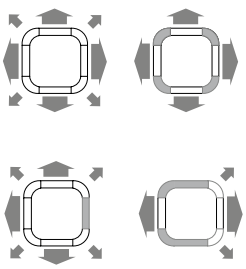


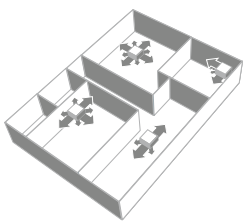
› The infrared floor sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor to prevent cold feet.



Flexible installation

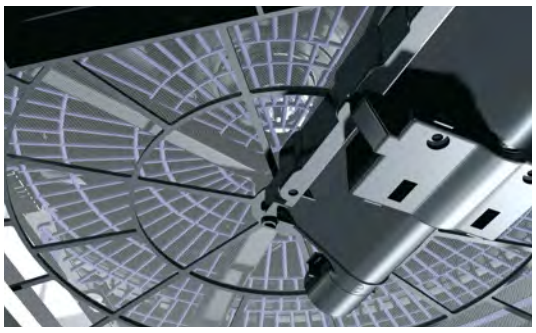
› Flaps can be individually controlled or closed using the wired remote control, to suit room configuration. Optional closure kits are also available.





Auto cleaning filter

Dust can simply be removed using a vacuum cleaner without opening the unit.



* Available as an option

NEW

Widest ever range of decoration panels to fit the interior and application

Standard panels availabe in white and black

› The unqiue Daikin round flow cassette with 360° air flow, wide flaps and optional intelligent sensors



BYCQ140E
white standard panel



BYCQ140EW
Full white standard panel



BYCQ140EB
black standard panel

Auto cleaning panels availabe in white and black

› The unique Daikin auto cleaning cassette with wide flaps and optional intelligent sensors
› Finer mesh panel for dust prone areas (i.e. clothing and book shops)



BYCQ140EG
White auto cleaning panel



BYCQ140EG(F)
White auto cleaning panel
with fine dust filter



BYCQ140EGFB
Black auto cleaning panel
with fine dust filter

Designer panel in white and black

› New line of design panels hiding air intake grilles for a more stylized outlook
› With 360° air flow, wide flaps and optional intelligent sensors



White BYCQ140EP
White designer panel panel



BYCQ140EPB
Black designer panel



ROUND FLOW CASSETTE, BLACK DESIGNER PANEL



ROUND FLOW CASSETTE AUTO
CLEANING PANEL WITH FINE MESH FILTER

ROUND FLOW

SkyAir Alpha-series BLUEVOLUTION

High COP, round flow cassette

360° air discharge for optimum efficiency and comfort

- High COP cassette ensures top performance and great energy savings
- Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter
- Two optional intelligent sensors improve energy efficiency and comfort
- NEW Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- NEW Bigger flaps improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed



FCAHG-H



RZAG100-140MV1_MY1



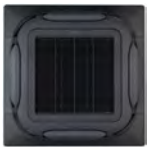
BRC1H519W, BRP069B82



White panel



White design panel



Black panel



Black design panel

Efficiency data				FCAHG + RZAG	71H + 71MV1	100H + 100MV1	125H + 125MV1	140H + 140MV1	71H + 71MY1	100H + 100MY1	125H + 125MY1	140H + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++		-		A++		-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				7.72	7.35	8.02	7.93	7.72	7.35	8.02	7.93
	ηs,c			%	-		318	314	-		318	314
	Annual energy consumption			kWh/a	308	452	905	1,014	308	452	905	1,014
Space heating (Average climate)	Energy efficiency class				A++		-		A++		-	
	Capacity		Pdesign	kW	4.70		9.52		4.70		9.52	
	SCOP/A				4.61	4.81	4.53	4.44	4.61	4.81	4.53	4.44
	ηs,h			%	-		178	175	-		178	175
	Annual energy consumption			kWh/a	1,427	2,771	2,942	3,002	1,427	2,771	2,942	3,002
Indoor unit				**FCAHG**	**71H**	**100H**	**125H**	**140H**	**71H**	**100H**	**125H**	**140H**
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840							
Weight	Unit			kg	25							
Air filter	Type				Resin net							
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels (F = fine mesh): BYCQ140EG(F) - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black							
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950							
	Weight			kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4							
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.2/16.7 /21.2	19.0/25.7 /32.3	19.9/26.7 /33.5	21.1/27.3 /33.5	12.2/16.7 /21.2	19.0/25.7 /32.3	19.9/26.7 /33.5	21.1/27.3 /33.5
		Heating	Low/Medium/High	m^3/min	12.2/16.7 /21.2	19.0/25.7 /32.3	19.9/26.7 /33.5	21.1/27.3 /33.5	12.2/16.7 /21.2	19.0/25.7 /32.3	19.9/26.7 /33.5	21.1/27.3 /33.5
Sound power level	Cooling			dBA	53		61		53		61	
	Heating			dBA	53		61		53		61	
Sound pressure level	Cooling	Low/High		dBA	29/36	33/44	35/45	37/45	29/36	33/44	35/45	37/45
	Heating	Low/High		dBA	29/36	33/44	35/45	37/45	29/36	33/44	35/45	37/45
Control systems	Infrared remote control				BRC7FA532F							
	Wired remote control				BRC1H519W/S/K, BRC1E53A/B/C, BRC1D52							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							
Outdoor unit				**RZAG**	**71MV1**	**100MV1**	**125MV1**	**140MV1**	**71MY1**	**100MY1**	**125MY1**	**140MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	70	92			70	92		
Sound power level	Cooling			dBA	64	66	69	70	65	66	69	70
	Heating			dBA	-		69	70	-		69	70
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA	49	51	52		49	51	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52							
	Heating	Ambient	Min.~Max.	°CWB	-20~18.0							
Refrigerant	Type/GWP				R-32/675							
	Charge			kg/TCO2Eq	2.95/1.99	3.75/2.53			2.95/1.99	3.75/2.53		
Piping connections	Liquid/Gas	OD		mm	952/15.9							
	Piping length	OU - IU	Max.	m	55	85			55	85		
		System	Equivalent	m	75	100			75	100		
			Chargeless	m	40							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference	IU - OU	Max.	m	30.0							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16			

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

ROUND FLOW

SkyAir Alpha-series BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- Two optional intelligent sensors improve energy efficiency and comfort
- NEW › Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- NEW › Bigger flaps improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed
- NEW › RZAG-A mini Sky Air Alpha-series includes technical cooling function!



FCAG-B

RZAG100-140MV1_MY1

BRC1H519W, BRP069B82



White panel | White design panel | Black panel | Black design panel

Efficiency data				FCAG + RZAG	35A + 35A	50A + 50A	60A + 60A	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	71A + 71MY1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	3,5	5,0	6,0	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.			kW	4,0	5,8	7,0	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++			A++		-		A++		-	
	Capacity		Pdesign	kW	3,5	5,0	6,0	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				7,30	6,80	6,60	6.86	7.14	7.80	7.17	6.86	7.14	7.80	7.17
	ηs,c			%	-			-		309	284	-		309	284
	Annual energy consumption			kWh/a	-			347	466	931	1,121	347	466	931	1,121
Space heating (Average climate)	Energy efficiency class				A+			A+	A++	-		A+	A++	-	
	Capacity		Pdesign	kW	3,3	4,3	4,6	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A				4,30	4,30	4,25	4.41	4.61	4.34		4.41	4.61	4.34	
	ηs,h			%	-			-		171		-		171	
	Annual energy consumption			kWh/a	-			1,492	2,369	3,071		1,492	2,369	3,071	

Indoor unit				FCAG	35A	50A	60A	71A	100A	125A	140A	71A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840				246x840x840			204x840x840	246x840x840		
Weight	Unit			kg	18	19		21	24			21	24		
Air filter	Type				Resin net										
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels (F = fine mesh): BYCQ140EG(F) - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black										
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950										
	Weight			kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4										
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	8.7/10.6/12.5	8.7/10.7/12.6	8.7/11.2/13.6	9.3/12.5 /15.3	12.4/17.6 /22.8	12.4/19.2 /26.0		9.3/12.5 /15.3	12.4/17.6 /22.8	12.4/19.2 /26.0	
		Heating	Low/Medium/High	m^3/min	9.3/11.6/13.9	8.7/10.7/12.6	8.7/11.2/13.6	9.1/12.1 /15.0	12.4/17.6 /22.8	12.4/19.2 /26.0		9.1/12.1 /15.0	12.4/17.6 /22.8	12.4/19.2 /26.0	
Sound power level	Cooling			dBA	49		51	54	58			51	54	58	
	Heating			dBA	49		51	54	58			51	54	58	
Sound pressure level	Cooling	Low/High		dBA	27/31		28/35	29/37	29/41			28/35	29/37	29/41	
	Heating	Low/High		dBA	27/31		28/33	29/37	29/41			28/33	29/37	29/41	
Control systems	Infrared remote control				BRC7FA532F / BRC7FA532FB										
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52										
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220										

Outdoor unit				RZAG	35A	50A	60A	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401			990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	52			70	92			70	92		
Sound power level	Cooling			dBA	62	63	64	64	66	69	70	65	66	69	70
	Heating			dBA	-			-		69	70	-		69	70
Sound pressure level	Cooling	Nom.		dBA	48	49	50	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA	-			49	51	52		49	51	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 / +52			-20~52							
	Heating	Ambient	Min.~Max.	°CWB	-20 / +24			-20~18.0							
Refrigerant	Type/GWP				R-32 / 675			R-32/675							
	Charge			kg/TCO2Eq	-			2.95/1.99	3.75/2.53			2.95/1.99	3.75/2.53		
Piping connections	Liquid/Gas	OD		mm	-			9.52/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	30			40							
	Additional refrigerant charge			kg/m	-			See installation manual							
	Level difference	IU - OU	Max.	m	30			30.0							
Power supply	Phase/Frequency/Voltage			Hz/V	Single / 50 / 230			1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	20	20	32			16			

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

ROUND FLOW

SkyAir Advance-series BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- Two optional intelligent sensors improve energy efficiency and comfort
- NEW Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- NEW Bigger flaps improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed



FCAG-B



RZASG100-140MV1_MY1





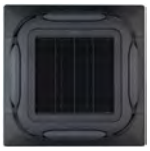
BRC1H519W, BRP069B82



White panel



White design panel



Black panel



Black design panel

Efficiency data				FCAG + RZASG	71B + 71MV1	100B + 100MV1	125B + 125MV1	140B + 140MV1	100B + 100MY1	125B + 125MY1	140B + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++		-		A++	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				6.47	6.55	5.76	6.53	6.55	5.76	6.53
	ηs,c			%	-		227	258	-	227	258
	Annual energy consumption			kWh/a	368	507	1,261	1,231	507	1,261	1,231
Space heating (Average climate)	Energy efficiency class				A	A+	-		A+	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				4.00	4.17	4.05	4.31	4.17	4.05	4.31
	ηs,h			%	-		159	169	-	159	169
	Annual energy consumption			kWh/a	1,575	2,016	2,074	2,534	2,016	2,074	2,534

Indoor unit				FCAG	71B	100B	125B	140B	100B	125B	140B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840					
Weight	Unit			kg	21	24					
Air filter	Type				Resin net						
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels (F = fine mesh): BYCQ140EG(F) - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black					
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950						
	Weight			kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	9.3/12.5 /15.3	12.4/17.6 /22.8	12.4/19.2 /26.0		12.4/17.6 /22.8	12.4/19.2 /26.0	
		Heating	Low/Medium/High	m^3/min	9.1/12.1 /15.0	12.4/17.6 /22.8	12.4/19.2 /26.0		12.4/17.6 /22.8	12.4/19.2 /26.0	
Sound power level	Cooling			dBA	51	54	58		54	58	
	Heating			dBA	51	54	58		54	58	
Sound pressure level	Cooling	Low/High		dBA	28/35	29/37	29/41		29/37	29/41	
	Heating	Low/High		dBA	28/33	29/37	29/41		29/37	29/41	
Control systems	Infrared remote control				BRC7FA532F / BRC7FA532FB						
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference IU - OU		Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25		32	16		

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

ROUND FLOW

SkyAir Active-series BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Ideal solution for small businesses and shops
- Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- Two optional intelligent sensors improve energy efficiency and comfort
- NEW Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- NEW Bigger flaps improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed



FCAG-B



AZAS100-140MV1_MY1





BRC1H519W, BRP069B82









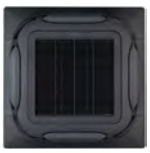




White panel



White design panel



Black panel



Black design panel

NEW

Efficiency data				FCAG + ARXM/AZAS	71B + ARXM71	100B + 100MV1	125B + 125MV1	140B + 140MV1	100B + 100MY1	125B + 125MY1	140B + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+	A+	-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER				5.57	5.67	5.40	6.00	5.67	5.40	6.00
	ηs,c			%	-	-	213	237	-	213	237
	Annual energy consumption			kWh/a	-	586	1,345	1,300	586	1,345	1,300
Space heating (Average climate)	Energy efficiency class				A	A	-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				3.81	3.85	3.80	4.31	3.85	3.80	4.31
	ηs,h			%	-	-	149	169	-	149	169
	Annual energy consumption			kWh/a	-	2,182	2,211	2,534	2,182	2,211	2,534

Indoor unit				FCAG	71B	100B	125B	140B	100B	125B	140B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840					
Weight	Unit			kg	21	24					
Air filter	Type				Resin net						
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels (F = fine mesh): BYCQ140EG(F) - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black					
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950						
	Weight			kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	9.3/12.5 /15.3	12.4/17.6 /22.8	12.4/19.2 /26.0		12.4/17.6 /22.8	12.4/19.2 /26.0	
		Heating	Low/Medium/High	m^3/min	9.1/12.1 /15.0	12.4/17.6 /22.8	12.4/19.2 /26.0		12.4/17.6 /22.8	12.4/19.2 /26.0	
Sound power level	Cooling			dBA	51	54	58		54	58	
	Heating			dBA	51	54	58		54	58	
Sound pressure level	Cooling	Low/High		dBA	28/35	29/37	29/41		29/37	29/41	
	Heating	Low/High		dBA	28/33	29/37	29/41		29/37	29/41	
Control systems	Infrared remote control				BRC7FA532F / BRC7FA532FB						
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				ARXM/AZAS	ARXM71N9	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320					
Weight	Unit			kg	50	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	65	-	71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	52	53		54	53		54
	Heating	Nom.		dBA	52	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~24	-15~15.5					
Refrigerant	Type/GWP				R-32/675	R-32/675					
	Charge			kg/TCO2Eq	-	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9	9.52/15.9					
	Piping length	OU - IU	Max.	m	-	30					
		System	Equivalent	m	-	50					
			Chargeless	m	-	30					
	Additional refrigerant charge			kg/m	-	See installation manual					
	Level difference	IU - OU	Max.	m	-	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	1~/50/220-240			3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	32		16		

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with split outdoor units is ideal for small retail, offices or residential applications
- Ideal solution for small businesses and shops
- Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- Two optional intelligent sensors improve energy efficiency and comfort
- NEW Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- NEW Bigger flaps improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed




White panel | White design panel | Black panel | Black design panel

Efficiency data				FCAG + RXM	35B + 35N9	50B + 50N9	60B + 60N9
Cooling capacity	Nom.			kW	3.50	5.00	5.70
Heating capacity	Nom.			kW	4.20	6.00	7.00
Power input	Cooling		Nom.	kW	0.94	1.39	1.72
	Heating		Nom.	kW	1.11	1.62	2.07
Seasonal efficiency (according to EN14825)	Cooling		Energy efficiency class		A++		
			Pdesign	kW	3.50	5.00	5.70
			SEER		6.35	6.54	6.40
			Annual energy consumption	kWh	193	266	312
	Heating (Average climate)		Energy efficiency class		A++	A+	
			Pdesign	kW	3.32	4.36	4.71
			SCOP/A		4.90	4.30	4.20
			Annual energy consumption	kWh	948	1,419	1,569

Indoor unit				FCAG	35B	50B	60B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840		
Weight	Unit			kg	18	19	
Air filter	Type				Resin net		
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels (F = fine mesh): BYCQ140EG(F) - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black		
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950		
	Weight			kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	8.7/10.6/12.5	8.7/10.7/12.6	8.7/11.2/13.6
		Heating	Low/Medium/High	m^3/min	9.3/11.6/13.9	8.7/10.7/12.6	8.7/11.2/13.6
Sound power level	Cooling			dBA	49		51
	Heating			dBA	49		51
Sound pressure level	Cooling	Low/High		dBA	27/31		28/33
	Heating	Low/High		dBA	27/31		28/33
Control systems	Infrared remote control				BRC7FA532F / BRC7FA532FB		
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		

Outdoor unit				RXM	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth		mm	-		
Weight	Unit			kg	-		
Sound power level	Cooling			dBA	61	62.0	63.0
	Heating			dBA	61	62.0	63.0
Sound pressure level	Cooling	Nom.		dBA	49	48.0	
	Heating	Nom.		dBA	49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg/TCO2Eq	-		
Piping connections	Liquid	OD		mm	-		
	Gas	OD		mm	-		
	Piping length	OU - IU	Max.	m	-		
		System	Chargeless	m	-		
	Additional refrigerant charge			kg/m	-		
	Level difference	IU - OU	Max.	m	-		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

Fully Flat Cassette

Design & Genius in one



Why choose fully flat cassette

- Unique design in the market that integrates fully flat into the ceiling
- Advanced technology and top efficiency combined
- Most quiet cassette available on the market

FFA-A9 / FXZQ-A



Choice between grey or white panel

universal design award 2014

GERMAN DESIGN AWARD SPECIAL 2016

Benefits for the installer

› Unique product in the market!
› Most quiet unit (25dBA)
› The user-friendly remote control, available in several languages, enables the easy set-up of sensor option and control of the individual flap position
› Meeting European design taste.

Benefits for the consultant

› Unique product in the market!
› Blends seamlessly in any modern office interior design
› Ideal product to improve BREEAM score/EPBD in combination with Sky Air (FFA*) or VRV IV heat pump units (FXZQ*).

Benefits for the end user

› Engineering excellence and unique design in one
› Most quiet unit (25dBA)
› Perfect working conditions: no more cold draughts
› Save up to 27% on your energy bill thanks to the optional sensors
› Flexible usage of space and suits any room configuration thanks to individual flap control
› User-friendly remote control, available in several languages.

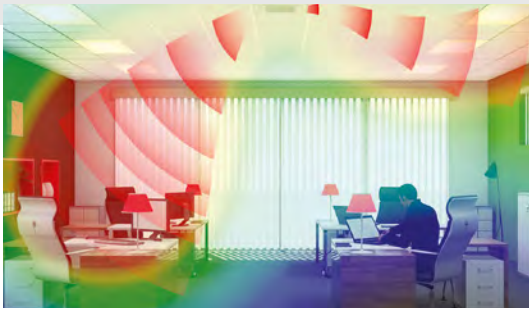




Unique design

› Designed by a European design office to fully meet the European taste.
› Fully flat into the ceiling, leaving only 8mm.
› Fully integrated in the one ceiling tile, enabling lights, speakers and sprinklers to be installed in adjoining ceiling tiles.
› Decoration panel available in 2 colours (white and white-silver).



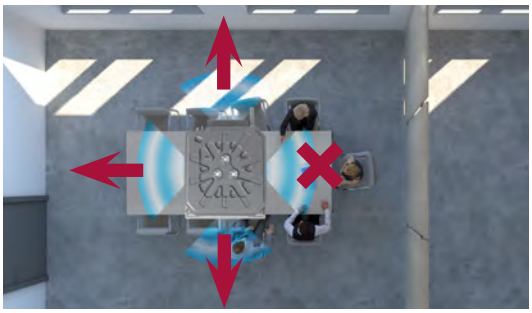


Differentiating in technology

Optional presence sensor
› When the room is empty, it can adjust the set temperature or switch off the unit – saving energy.
› When people are detected, the direction of the airflow is adapted to avoid cold draughts being directed towards occupants.

Optional floor sensor
› Detects the temperature difference and re-directs the airflow to ensure even temperature distribution.





Top efficiency

› Seasonal efficiency labels up to A++*
› When the room is empty, the sensor option can adjust the set temperature or switch off the unit – saving up to 27% energy.

* for FFA25,35A9 in combination with RXM25,35M9

Other benefits

› Individual flap control: easily control one or more flaps via the wired remote controller (BRC1E/BRC1H) when rearranging the room. When fully closing or blocking the flaps, the option "Sealing member of air discharge outlet" is needed.
› Most silent cassette in the market (25dBA), important for office applications.

Marketing tools

› https://www.daikin.eu/en_us/product-group/fully-flat-cassette.html
› www.youtube.com/DaikinEurope

Sky Air Alpha-series BLUEVOLUTION

Fully flat cassette

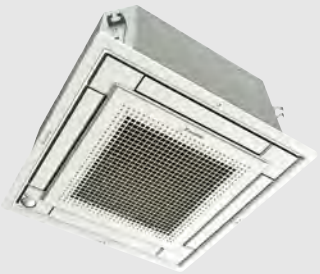
Unique design in the market that integrates fully flat into the ceiling

Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance

- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort



- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 630mm lift increases flexibility and installation speed



FFA-A9



RZAG35-60A



BRC1H519W



BRP069A81











NEW
RZAG-A mini Sky Air Alpha-series includes technical cooling function!

Efficiency data				FFA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A
Cooling capacity	Nom.			kW	3.5	5.0	6.0
Heating capacity	Nom.			kW	4.0	5.8	7.0
Power input	Cooling		Nom.	kW		-	
	Heating		Nom.	kW		-	
Space cooling	Energy efficiency class				A++		A+
	Capacity		Pdesign	kW	3.5	5	6
	SEER				6.40	6.3	5.80
	Annual energy consumption			kWh/a		-	
Space heating (Average climate)	Energy efficiency class				A	A+	
	Capacity		Pdesign	kW	4.2	4.3	4.5
	SCOP/A				3.80	4.01	4.04
	Annual energy consumption			kWh/a		-	

Indoor unit				FFA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm		260x575x575	
Weight	Unit			kg	16.0	17.5	
Air filter	Type					Resin net	
Decoration panel	Model					BYFQ60C2W1W/BYFQ60C2W1S/BYFQ60B2W1/BYFQ60B3W1	
	Colour					White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)	
	Dimensions	HeightxWidthxDepth		mm		46x620x620 / 46x620x620 / 55x700x700 / 55x700x700	
	Weight			kg		2.8/2.8/2.7/2.7	
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	6.5/8.5/10.0	7.5/10.0/12.0	9.5/12.5/14.5
		Heating	Low/Medium/High	m^3/min	6.5/8.5/10.0	7.5/10.0/12.0	9.5/12.5/14.5
Sound power level	Cooling			dBA	51	56	60
Sound pressure level	Cooling	Low/High		dBA	25.0/34.0	27.0/39.0	32.0/43.0
	Heating	Low/High		dBA	25.0/34.0	27.0/39.0	32.0/43.0
Control systems	Infrared remote control					BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)	
	Wired remote control					BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	

Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm		734x954x401	
Weight	Unit			kg		52	
Sound power level	Cooling			dBA	62	63	64
	Heating			dBA		-	
Sound power level	Cooling			dBA	48	49	50
	Heating			dBA		-	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-20 / +52	
	Heating	Ambient	Min.~Max.	°CWB		-20 / +24	
Refrigerant	Type					R32	
	GWP					675	
	Charge			kg/TCO2Eq		-	
Piping connections	Liquid	OD		mm		-	
	Gas	OD		mm		-	
	Piping length	OU - IU	Max.	m		50	
		System	Chargeless	m		30	
	Additional refrigerant charge			kg/m		-	
	Level difference	IU - OU	Max.	m		30	
Power supply	Phase/Frequency/Voltage			Hz/V		Single / 50 / 230	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	20

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

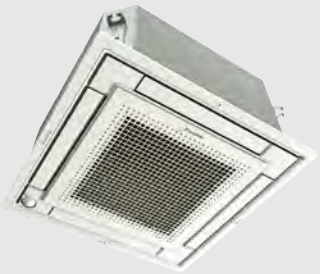
Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort



- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 630mm lift increases flexibility and installation speed



FFA-A9



RXM20-35N9



BRC1H519W



BRP069A81











Efficiency data				FFA + RXM	25A9 + 25M9	35A9 + 35M9	50A9 + 50M9	60A9 + 60M9
Cooling capacity	Nom.			kW	2.50	3.40	5.00	5.70
Heating capacity	Nom.			kW	3.20	4.20	5.80	7.00
Power input	Cooling		Nom.	kW	0.55	0.89	1.54	1.87
	Heating		Nom.	kW	0.82	1.20	1.66	2.05
Seasonal efficiency (according to EN14825)	Cooling		Energy efficiency class		A++		A+	
			Pdesign	kW	2.50	3.40	5.00	5.70
			SEER		6.17	6.38	5.98	5.76
			Annual energy consumption	kWh	142	186	292	347
	Heating (Average climate)		Energy efficiency class		A+		A	A+
			Pdesign	kW	2.31	3.10	3.84	3.96
			SCOP/A		4.24	4.10	3.90	4.04
			Annual energy consumption	kWh	762	1,058	1,377	1,372

Indoor unit				FFA	25A9	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575			
Weight	Unit			kg	16.0		17.5	
Air filter	Type				Resin net			
Decoration panel	Model				BYFQ60C2W1W/BYFQ60C2W1S/BYFQ60B2W1/BYFQ60B3W1			
	Colour				White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)			
	Dimensions	HeightxWidthxDepth		mm	46x620x620 / 46x620x620 / 55x700x700 / 55x700x700			
	Weight			kg	2.8/2.8/2.7/2.7			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	6.5/8.0/9.0	6.5/8.5/10.0	7.5/10.0/12.0	9.5/12.5/14.5
		Heating	Low/Medium/High	m^3/min	6.5/8.0/9.0	6.5/8.5/10.0	7.5/10.0/12.0	9.5/12.5/14.5
Sound power level	Cooling			dBA	48	51	56	60
Sound pressure level	Cooling	Low/High		dBA	25.0/31.0	25.0/34.0	27.0/39.0	32.0/43.0
	Heating	Low/High		dBA	25.0/31.0	25.0/34.0	27.0/39.0	32.0/43.0
Control systems	Infrared remote control				BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)			
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			

Outdoor unit				RXM	25N9	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth		mm	-			
Weight	Unit			kg	-			
Sound power level	Cooling			dBA	58	61	62.0	63.0
	Heating			dBA	59	61	62.0	63.0
Sound pressure level	Cooling	Nom.		dBA	46	49	48.0	
	Heating	Nom.		dBA	47	49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50			
	Heating	Ambient	Min.~Max.	°CWB	-20~24			
Refrigerant	Type				R-32			
	GWP				675.0			
	Charge			kg/TCO2Eq	-			
Piping connections	Liquid	OD		mm	-			
	Gas	OD		mm	-			
	Piping length	OU - IU	Max.	m	-			
		System	Chargeless	m	-			
	Additional refrigerant charge			kg/m	-			
	Level difference	IU - OU	Max.	m	-			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

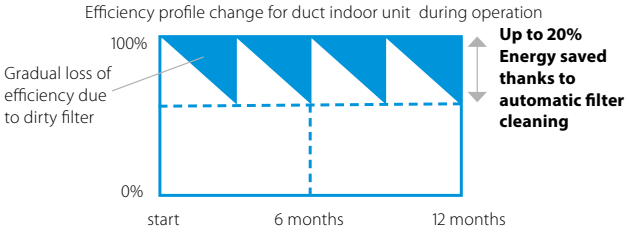
Auto cleaning filter for concealed ceiling units



The unique automatic cleaning filter achieves higher efficiency and comfort with lower maintenance costs

Reduce running costs

› Automatic filter cleaning ensures low maintenance costs because the filter is always clean



Minimal time required for filter cleaning

› The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
› No more dirty ceilings

Improved indoor air quality

› Optimum airflow eliminates draft and insulates sound

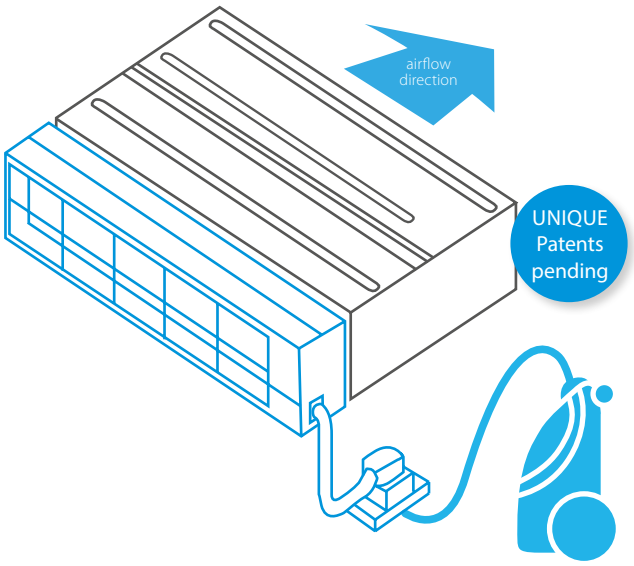
Superb reliability

› Prevents clogged filters for seamless operation

Unique technology

› Unique and innovative filter technology inspired by the Daikin auto cleaning cassette





How does it work?

❶ Scheduled automatic filter cleaning
❷ Dust collects in a dust box that's integrated into the unit
❸ The dust can easily be removed with a vacuum cleaner

YouTube

www.youtube.com/DaikinEurope

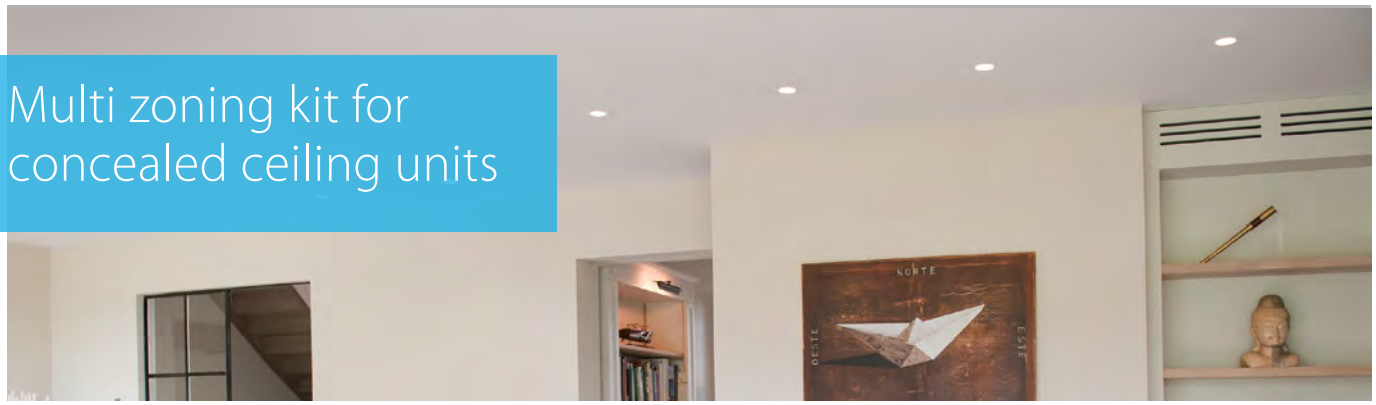
Combination table

	Split / Sky Air				VRV						
	FDXM-F9				FXDQ-A3						
	25	35	50	60	15	20	25	32	40	50	63
BAE20A62	•	•			•	•	•	•			
BAE20A82									•	•	
BAE20A102			•	•							•

Specifications

	BAE20A62	BAE20A82	BAE20A102
Heigth (mm)	212		
Width (mm)	764	964	1164
Width (mm) (incl. hanger bracket)	984	1094	1294
Depth (mm)	201		

Multi zoning kit for concealed ceiling units



The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

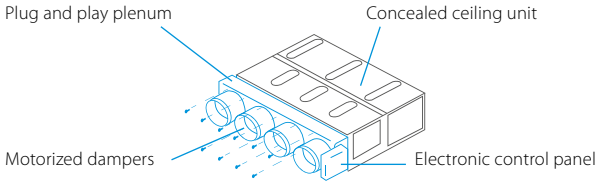
Benefits

Increased comfort

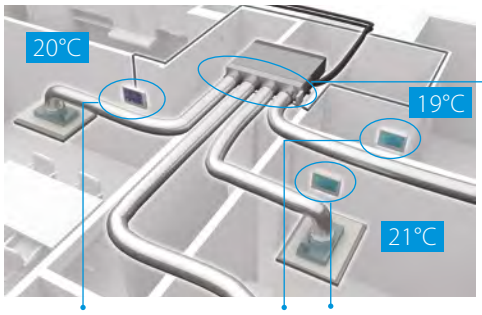
› Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

Easy to install

› Automatic air flow adjustment according to the demand
› Easy to install, integrates with the Daikin indoor units and system controls
› Time saving as plenum comes fully pre-assembled with dampers, and control boards
› Reduces the amount of refrigerant required in the installation



How does it work?



Individual zone thermostats



Zoning box: fully pre-assembled plenum with dampers

Blueface - Airzone Main Thermostat
› Color graphic interface for controlling zones
› Wired communication



AZCE6BLUEFACECB

Airzone Zone Thermostat
› Graphic interface with low-energy e-ink screen for controlling zones
› Radio communication



AZCE6THINKRB

Airzone Zone Thermostat
› Thermostat with buttons for controlling the temperature
› Radio communication



AZCE6LITERB

Compatibility

Number of motorised dampers		Reference	Dimensions H x W x D (mm)	Sky Air FDXM-F9 25	35	50	60	Sky Air FBA-A(9) 35	50	60	71	100	125	140	Sky Air ADEA-A 71	100	125	VRV FXDQ-A3 15	20	25	32	40	50	63	VRV FXSQ-A 15	20	25	32	40	50	63	71	80	100	125	140
Standard Ceiling Void	2	AZEZ6DAIST07XS2	300 x 930 x 454																						•	•	•	•							
		AZEZ6DAIST07S2						•	•																				•	•					
	3	AZEZ6DAIST07XS3	300 x 930 x 454																						•	•	•	•							
		AZEZ6DAIST07S3						•	•																				•	•					
	4	AZEZ6DAIST07S4	300 x 930 x 454					•	•																				•	•					
		AZEZ6DAIST07M4	300 x 1,140 x 454							•	•				•																•		•		
	5	AZEZ6DAIST07M5	300 x 1,425 x 454							•	•				•																•		•		
		AZEZ6DAIST07L5										•	•	•		•	•																•	•	
	6	AZEZ6DAIST07M6	300 x 1,638 x 454							•	•				•																•		•		
		AZEZ6DAIST07L6										•	•	•		•	•																•	•	
	7	AZEZ6DAIST07L7	515 x 1,425 x 454									•	•	•		•	•																•	•	
		AZEZ6DAIST07XL7																																	•
	8	AZEZ6DAIST07L8	515 x 1,425 x 454									•	•	•		•	•																•	•	
		AZEZ6DAIST07XL8																																	•
Compact Ceiling Void	2	AZEZ6DAISL01S2	210 x 720 x 444	•	•													•	•	•	•														
	3	AZEZ6DAISL01S3	210 x 720 x 444	•	•													•	•	•	•														
	4	AZEZ6DAISL01M4	210 x 930 x 444																			•	•												
	5	AZEZ6DAISL01L5	210 x 1,140 x 444			•	•																	•											

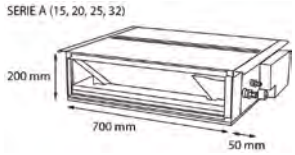
SkyAir Alpha-series BLUEVOLUTION

Concealed ceiling unit

Compact concealed ceiling unit, with a height of only 200mm

Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance

› Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
› Compact dimensions, can easily be mounted in a ceiling void of only 240mm



› Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
› Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
› Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit



NEW
RZAG-A mini Sky Air Alpha-series includes technical cooling function!

Efficiency data				**FDXM + RZAG**	**35F9 + 35A**	**50F9 + 50A**	**60F9 + 60A**
Cooling capacity	Nom.			kW	3.5	5.0	6.0
Heating capacity	Nom.			kW	4.0	5.0	7.0
Power input	Cooling		Nom.	kW		-	
	Heating		Nom.	kW		-	
Space cooling	Energy efficiency class					A+	
	Capacity		Pdesign	kW	3.5	5	6
	SEER				5.90	5.90	5.70
	Annual energy consumption			kWh/a		-	
Space heating (Average climate)	Energy efficiency class					A	
	Capacity		Pdesign	kW	4.2	4.3	4.5
	SCOP/A				3.90	3.90	3.90
	Annual energy consumption			kWh/a		-	

Indoor unit				**FDXM**	**35F3**	**50F3**	**60F3**
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620	200x1,150x620	
Weight	Unit			kg	21	28	
Air filter	Type					Removable / washable	
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	7.3/8.0/8.7	13.3/14.6/15.8	13.5/14.8/16.0
		Heating	Low/Medium/High	m^3/min	7.3/8.0/8.7	13.3/14.6/15.8	13.5/14.8/16.0
	External static pressure	Nom.		Pa	30	40	
Sound power level	Cooling			dBA	53	55	56
	Heating			dBA	53	55	56
Sound pressure level	Cooling	Low/High		dBA	27/35	30/38	
	Heating	Low/High		dBA	27/35	30/38	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	

Outdoor unit				**RZAG**	**35A**	**50A**	**60A**
Dimensions	Unit	HeightxWidthxDepth		mm		734x954x401	
Weight	Unit			kg		52	
Sound power level	Cooling			dBA	62	63	64
	Heating			dBA		-	
Sound power level	Cooling			dBA	48	49	50
	Heating			dBA		-	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-20 / +52	
	Heating	Ambient	Min.~Max.	°CWB		-20 / +24	
Refrigerant	Type					R32	
	GWP					675	
	Charge			kg/TCO2Eq		-	
Piping connections	Liquid	OD		mm		-	
	Gas	OD		mm		-	
	Piping length	OU - IU	Max.	m		50	
		System	Chargeless	m		30	
	Additional refrigerant charge			kg/m		-	
	Level difference	IU - OU	Max.	m		30	
Power supply	Phase/Frequency/Voltage			Hz/V		Single / 50 / 230	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	20

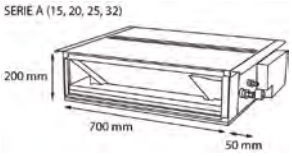
(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter(earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

Concealed ceiling unit

Compact concealed ceiling unit, with a height of only 200mm

› Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
› Compact dimensions, can easily be mounted in a ceiling void of only 240mm



› Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
› Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
› Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit



Efficiency data				FDXM + RXM	25F9 + 25N9	35F9 + 35N9	50F9 + 50N9	60F9 + 60N9
Cooling capacity	Min./Nom./Max.			kW	-/2.40/-	-/3.40/-	1.70/5.00/5.30	1.70/6.00/6.50
Heating capacity	Min./Nom./Max.			kW	-/3.20/-	-/4.00/-	1.70/5.80/6.00	1.70/7.00/7.10
Power input	Cooling		Nom.	kW	0.64	1.14	1.63	2.05
	Heating		Nom.	kW	0.80	1.15	1.87	2.18
Space cooling	Energy efficiency class				A+	A	A+	A
	Capacity		Pdesign	kW	2.40	3.40	5.00	6.00
	SEER				5.68	5.26	5.77	5.56
	Annual energy consumption			kWh/a	148	226	303	378
Space heating (Average climate)	Energy efficiency class				A+	A		
	Capacity		Pdesign	kW	2.60	2.90	4.00	4.60
	SCOP/A				4.24	3.88	3.93	3.80
	Annual energy consumption			kWh/a	858	1,046	1,424	1,693
Nominal efficiency	EER				3.77	2.98	3.06	2.93
	COP				4.00	3.48	3.10	3.21
	Annual energy consumption			kWh	318	570	816	1,024
	Energy labeling Directive		Cooling/Heating		A/A	C/B	B/D	C/C

Indoor unit				FDXM	25F3	35F3	50F3	60F3
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620		200x1,150x620	
Weight	Unit			kg	21		28	
Air filter	Type				Removable / washable			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	7.3/8.0/8.7		13.3/14.6/15.8	13.5/14.8/16.0
		Heating	Low/Medium/High	m^3/min	7.3/8.0/8.7		13.3/14.6/15.8	13.5/14.8/16.0
	External static pressure	Nom.		Pa	30		40	
Sound power level	Cooling			dBA	53		55	56
	Heating			dBA	53		55	56
Sound pressure level	Cooling	Low/High		dBA	27/35		30/38	
	Heating	Low/High		dBA	27/35		30/38	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			

Outdoor unit				RXM	25N9	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth		mm	-			
Weight	Unit			kg	-			
Sound power level	Cooling			dBA	58	61	62.0	63.0
	Heating			dBA	59	61	62.0	63.0
Sound pressure level	Cooling	Nom.		dBA	46	49	48.0	
	Heating	Nom.		dBA	47	49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50			
	Heating	Ambient	Min.~Max.	°CWB	-20~24			
Refrigerant	Type				R-32			
	GWP				675.0			
	Charge			kg/TCO2Eq	-			
Piping connections	Liquid	OD		mm	-			
	Gas	OD		mm	-			
	Piping length	OU - IU	Max.	m	-			
		System	Chargeless	m	-			
	Additional refrigerant charge			kg/m	-			
	Level difference	IU - OU	Max.	m	-			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter(earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

SkyAir Alpha-series
BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed

NEW - RZAG-A mini Sky Air Alpha-series includes technical cooling function



NEW
RZAG-A mini Sky Air Alpha-series includes technical cooling function!

Efficiency data				FBA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A	71A9 + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	71A9 + 71MY1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	3.5	5.0	6.0	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.			kW	4.0	6.0	7.0	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++	A+	A++	A++		-		A++		-	
	Capacity		Pdesign	kW	3.5	5.0	6.0	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				6.12	6.3	6.15	6.22	6.47	6.19	6.42	6.22	6.47	6.19	6.42
	ηs,c			%	-			-		245	254	-		245	254
	Annual energy consumption			kWh/a	-			382	514	1,173	1,252	382	514	1,173	1,252
Space heating (Average climate)	Energy efficiency class				A+			A+		-		A+		-	
	Capacity		Pdesign	kW	4.2	4.3	4.5	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A				4.10	4.10	4.10	4.20	4.36	4.12	4.11	4.20	4.36	4.12	4.11
	ηs,h			%	-			-		162	161	-		162	161
	Annual energy consumption			kWh/a	-			1,566	2,505	3,235	3,243	1,566	2,505	3,235	3,243

Indoor unit				FBA	35A9	50A9	60A9	71A9	100A	125A	140A	71A9	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x700x800		245x1,000x800	245x1,000x800	245x1,400x800			245x1,000x800	245x1,400x800		
Weight	Unit			kg	28.0		35.0	35.0	46.0			35.0	46.0		
Air filter	Type				Resin net			Resin net							
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.5/12.5 /15.0		12.5/15.0 /18.0	12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0		12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0	
		Heating	Low/Medium/High	m^3/min	10.5/12.5 /15.0		12.5/15.0 /18.0	12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0		12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0	
	External static pressure	Nom./High		Pa	30/150			30/150	40/150	50/150		30/150	40/150	50/150	
Sound power level	Cooling			dBA	60		56	56	58	62		56	58	62	
Sound pressure level	Cooling	Low/High		dBA	29.0/35.0		25.0/30.0	25.0/30.0	30.0/34.0	32.0/37.0		25.0/30.0	30.0/34.0	32.0/37.0	
	Heating	Low/High		dBA	29.0/37.0		25.0/31.0	25.0/31.0	30.0/36.0	32.0/38.0		25.0/31.0	30.0/36.0	32.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66			BRC4C65 / BRC4C66							
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52			BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			1~/50/60/220-240/220							

Outdoor unit				RZAG	35A	50A	60A	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401			990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	52			70	92			70	92		
Sound power level	Cooling			dBA	62	63	64	64	66	69	70	65	66	69	70
	Heating			dBA	-			-		69	70	-		69	70
Sound pressure level	Cooling	Nom.		dBA	48	49	50	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA	-			49	51	52		49	51	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 / +52			-20~52							
	Heating	Ambient	Min.~Max.	°CWB	-20 / +24			-20~18.0							
Refrigerant	Type/GWP				R32 / 675			R-32/675							
	Charge			kg/TCO2Eq	-			2.95/1.99	3.75/2.53			2.95/1.99	3.75/2.53		
Piping connections	Liquid/Gas	OD		mm	-			9.52/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	30			40							
	Additional refrigerant charge			kg/m	-			See installation manual							
	Level difference	IU - OU	Max.	m	30			30.0							
Power supply	Phase/Frequency/Voltage			Hz/V	Single / 50 / 230			1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	20	20	32			16			

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter(earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

SkyAir Advance-series
BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



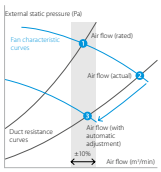
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed

Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



Efficiency data				FBA + RZASG	71A9 + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++	A+	-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				6.19	5.83	5.49	5.81	5.83	5.49	5.81
	ηs,c			%	-		217	229	-	217	229
	Annual energy consumption			kWh/a	385	570	1,322	1,384	570	1,322	1,384
Space heating (Average climate)	Energy efficiency class				A+	A	-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				4.01	3.85	3.63	3.85		3.63	3.85
	ηs,h			%	-		142	151	-	142	151
	Annual energy consumption			kWh/a	1,571	2,182	2,314	2,836	2,182	2,314	2,836

Indoor unit				FBA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800					
Weight	Unit			kg	35.0	46.0					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0		23.0/26.0 /29.0	23.5/29.0 /34.0	
		Heating	Low/Medium/High	m^3/min	12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0		23.0/26.0 /29.0	23.5/29.0 /34.0	
	External static pressure	Nom./High		Pa	30/150	40/150	50/150		40/150	50/150	
Sound power level	Cooling			dBA	56	58	62		58	62	
Sound pressure level	Cooling	Low/High		dBA	25.0/30.0	30.0/34.0	32.0/37.0		30.0/34.0	32.0/37.0	
	Heating	Low/High		dBA	25.0/31.0	30.0/36.0	32.0/38.0		30.0/36.0	32.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66						
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference IU - OU		Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25		32	16		

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

SkyAir Active-series BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Ideal solution for small businesses and shops
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



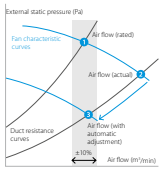
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed

Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



NEW

Efficiency data				FBA + AZAS	71A9 + ARXM71N9	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A	A	-		A	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER				5.57	5.25	4.85	5.50	5.25	4.85	5.50
	ηs,c			%	-	-	191	217	-	191	217
	Annual energy consumption			kWh/a	-	633	1,497	1,418	633	1,497	1,418
Space heating (Average climate)	Energy efficiency class				A	A	-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				3.81	3.81	3.55	3.85	3.81	3.55	3.85
	ηs,h			%	-	-	139	151	-	139	151
	Annual energy consumption			kWh/a	-	2,205	2,366	2,836	2,205	2,366	2,836

Indoor unit				FBA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800					
Weight	Unit			kg	35.0	46.0					
Air filter	Type				Resin net	Resin net					
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0		23.0/26.0 /29.0	23.5/29.0 /34.0	
		Heating	Low/Medium/High	m^3/min	12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0		23.0/26.0 /29.0	23.5/29.0 /34.0	
	External static pressure	Nom./High		Pa	30/150	40/150	50/150		40/150	50/150	
Sound power level	Cooling			dBA	56	58	62		58	62	
Sound pressure level	Cooling	Low/High		dBA	25.0/30.0	30.0/34.0	32.0/37.0		30.0/34.0	32.0/37.0	
	Heating	Low/High		dBA	25.0/31.0	30.0/36.0	32.0/38.0		30.0/36.0	32.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66	BRC4C65 / BRC4C66					
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52	BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220	1~/50/60/220-240/220					

Outdoor unit				AZAS/AZAS	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320					
Weight	Unit			kg	50	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	65	-	71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	52	53		54	53		54
	Heating	Nom.		dBA	52	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~24	-15~15.5					
Refrigerant	Type/GWP				R-32/675	R-32/675					
	Charge			kg/TCO2Eq	-	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9	9.52/15.9					
	Piping length	OU - IU	Max.	m	-	30					
		System	Equivalent	m	-	50					
			Chargeless	m	-	30					
	Additional refrigerant charge			kg/m	-	See installation manual					
	Level difference	IU - OU	Max.	m	-	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	1~/50/220-240			3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	32		16		

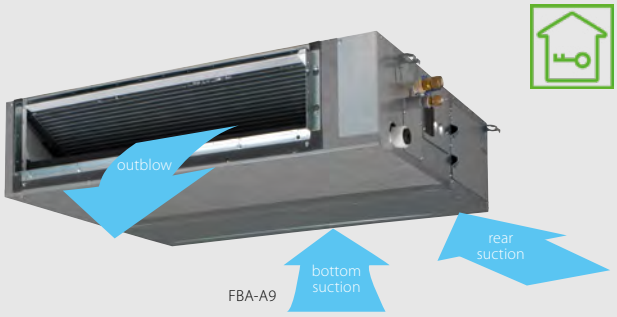
(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Combination with split outdoor units is ideal for small retail, offices or residential applications
- Slimmest unit in class, only 245mm (300mm built-in height)
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit




RXM20-35N9



BRC1H519W BRP069A81

with multi zoning option

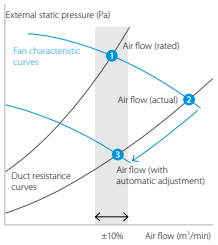
Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance →
the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature

Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically
(10 or more fan curves are available on every model), making installation much faster



Efficiency data				**FBA + RXM**	**35A9 + 35N9**	**50A9 + 50N9**	**60A9 + 60N9**
Cooling capacity	Nom.			kW	3.40	5.00	5.70
Heating capacity	Nom.			kW	4.00	5.50	7.00
Power input	Cooling		Nom.	kW	0.85	1.41	1.64
	Heating		Nom.	kW	1.00	1.44	1.89
Seasonal efficiency (according to EN14825)	Cooling		Energy efficiency class		A++		A+
			Pdesign	kW	3.40	5.00	5.70
			SEER		6.23	6.27	5.91
			Annual energy consumption	kWh	191	279	337
	Heating (Average climate)		Energy efficiency class		A+		
			Pdesign	kW	2.90	4.40	4.60
			SCOP/A		4.07	4.06	4.01
			Annual energy consumption	kWh	996	1,517	1,607
Indoor unit				**FBA**	**35A9**	**50A9**	**60A9**
Dimensions	Unit	HeightxWidthxDepth		mm	245x700x800		245x1,000x800
Weight	Unit			kg	28.0		35.0
Air filter	Type				Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.5/12.5/15.0		12.5/15.0/18.0
		Heating	Low/Medium/High	m^3/min	10.5/12.5/15.0		12.5/15.0/18.0
	External static pressure	Nom./High		Pa	30/150		
Sound power level	Cooling			dBA	60		56
Sound pressure level	Cooling	Low/High		dBA	29.0/35.0		25.0/30.0
	Heating	Low/High		dBA	29.0/37.0		25.0/31.0
Control systems	Infrared remote control				BRC4C65 / BRC4C66		
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		
Outdoor unit				**RXM**	**35N9**	**50N9**	**60N9**
Dimensions	Unit	HeightxWidthxDepth		mm	-		
Weight	Unit			kg	-		
Sound power level	Cooling			dBA	61	62.0	63.0
	Heating			dBA	61	62.0	63.0
Sound pressure level	Cooling	Nom.		dBA	49	48.0	
	Heating	Nom.		dBA	49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg/TCO2Eq	-		
Piping connections	Liquid	OD		mm	-		
	Gas	OD		mm	-		
	Piping length	OU - IU	Max.	m	-		
		System	Chargeless	m	-		
	Additional refrigerant charge			kg/m	-		
	Level difference	IU - OU	Max.	m	-		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing

*Note: blue cells contain preliminary data

Concealed ceiling unit with high ESP

ESP up to 200, ideal for large sized spaces

- High external static pressure up to 200Pa facilitates extensive duct and grille network
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Flexible installation, as the air suction direction can be altered from rear to bottom suction
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed

SkyAir Alpha-series BLUEVOLUTION

SkyAir Advance-series BLUEVOLUTION



					Sky Air Alpha-series		Sky Air Advance-series	
Efficiency data				**FDA + RZAG /RZASG**	**125A + 125MV1**	**125A + 125MY1**	**125A + 125MV1**	**125A + 125MY1**
Cooling capacity	Nom.			kW	12.1			
Heating capacity	Nom.			kW	13.5			
Space cooling	Energy efficiency class				-			
	Capacity		Pdesign	kW	12.1			
	SEER				6.59		5.03	
	ηs,c			%	261		198	
	Annual energy consumption			kWh/a	1,102		1,444	
Space heating (Average climate)	Energy efficiency class				-			
	Capacity		Pdesign	kW	9.52		6.00	
	SCOP/A				4.08		3.58	
	ηs,h			%	160		140	
	Annual energy consumption			kWh/a	3,267		2,346	
Indoor unit				**FDA**	**125A**	**125A**	**125A**	**125A**
Dimensions	Unit	HeightxWidthxDepth		mm	300x1,400x700			
Weight	Unit			kg	45			
Required ceiling void >				mm	350			
Air filter	Type				Resin net			
Decoration panel	Model				BYBS125DJW1			
	Colour				White (10Y9/0.5)			
	Dimensions	HeightxWidthxDepth		mm	55x1,500x500			
	Weight			kg	6.5			
Fan	Air flow rate	Cooling	Low/High	m^3/min	28.0/39.0			
		Heating	Low/High	m^3/min	28.0/39.0			
	External static pressure	Nom./High		Pa	50/200			
Sound power level	Cooling			dBA	66			
Sound pressure level	Cooling	Low/High		dBA	33/40			
	Heating	Low/High		dBA	33/40			
Control systems	Infrared remote control				BRC4C65 / BRC4C66			
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C, BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			
Outdoor unit					**RZAG125MV1**	**RZAG125MY1**	**RZASG125MV1**	**RZASG125MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	1,430x940x320		990x940x320	
Weight	Unit			kg	92		70	
Sound power level	Cooling			dBA	69		71	
	Heating			dBA	69		71	
Sound pressure level	Cooling	Nom.		dBA	50		53	
	Heating	Nom.		dBA	52		57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		-15~46	
	Heating	Ambient	Min.~Max.	°CWB	-20~18.0		-15~15.5	
Refrigerant	Type/GWP				R-32/675			
	Charge			kg/TCO2Eq	3.75/2.53		2.60/1.76	
Piping connections	Liquid/Gas	OD		mm	9.52/15.9			
	Piping length	OU - IU	Max.	m	85		50	
		System	Equivalent	m	100		70	
			Chargeless	m	40		30	
	Additional refrigerant charge			kg/m	See installation manual			
	Level difference IU - OU		Max.	m	30.0			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	3~/50/380-415	1~/50/220-240	3~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	32	16	32	16

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing

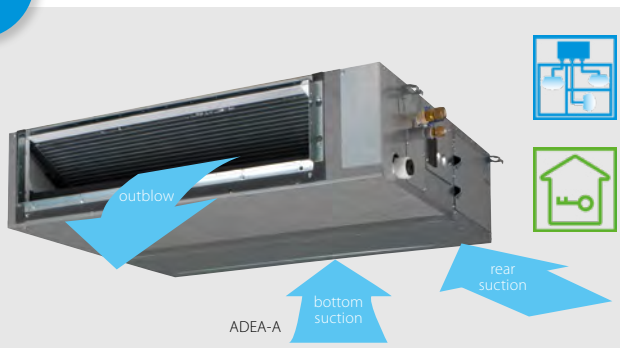
NEW

SkyAir Active-series BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Ideal solution for small businesses and shops
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed




AZAS100-140MV1_MY1

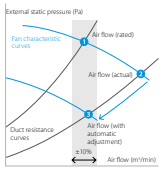

BRC1E53A/B/C, BRP069A81

Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



Efficiency data				ADEA + AZAS	71A + ARXM71N9	100A + 100MV1	125A + 125MV1
Cooling capacity	Nom.			kW	6.80	9.50	12.10
Heating capacity	Nom.			kW	7.50	10.8	13.50
Space cooling	Energy efficiency class				A		B
	Capacity		Pdesign	kW	6.80	9.50	12.10
	SEER				5.35	5.13	4.73
	Annual energy consumption			kWh/a	-		
Space heating (Average climate)	Energy efficiency class				A		
	Capacity		Pdesign	kW	6.00		
	SCOP/A				3.80	3.81	3.50
	Annual energy consumption			kWh/a	-		

Indoor unit				ADEA	71A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800	
Weight	Unit			kg	35.0	46.0	
Air filter	Type				Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0
		Heating	Low/Medium/High	m^3/min	12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0
	External static pressure	Nom./High		Pa	30/150	40/150	50/150
Sound power level	Cooling			dBA	56	58	62
Sound pressure level	Cooling	Low/High		dBA	25.0/30.0	30.0/34.0	32.0/37.0
	Heating	Low/High		dBA	25.0/31.0	30.0/36.0	32.0/38.0
Control systems	Infrared remote control				BRC4C65 / BRC4C66		
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		

Outdoor unit				ARXM/AZAS	ARXM71N9	100MV1	125MV1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320	
Weight	Unit			kg	50	70	
Sound power level	Cooling			dBA	65	70	71
	Heating			dBA	65	-	71
Sound pressure level	Cooling	Nom.		dBA	52	53	
	Heating	Nom.		dBA	52	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46	
	Heating	Ambient	Min.~Max.	°CWB	-15~24	-15~15.5	
Refrigerant	Type/GWP				R-32/675	R-32/675	
	Charge			kg/TCO2Eq	-	2.60/1.76	
Piping connections	Liquid/Gas	OD		mm	9.52/15.9	9.52/15.9	
	Piping length	OU - IU	Max.	m	-	30	
		System	Equivalent	m	-	50	
			Chargeless	m	-	30	
	Additional refrigerant charge			kg/m	-	See installation manual	
	Level difference IU - OU		Max.	m	-	30.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	32

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit



FAA-A



RZAG100-140MV1_MY1





BRC1H519W, BRP069A81

Efficiency data				**FAA + RZAG**	**71A + 71MV1**	**100A + 100MV1**	**71A + 71MY1**	**100A + 100MY1**
Cooling capacity	Nom.			kW	6.80	9.50	6.80	9.50
Heating capacity	Nom.			kW	7.50	10.8	7.50	10.8
Space cooling	Energy efficiency class				A++			
	Capacity		Pdesign	kW	6.80	9.50	6.80	9.50
	SEER				6.58	6.42	6.58	6.42
	ηs,c			%	-			
	Annual energy consumption			kWh/a	362	518	362	518
Space heating (Average climate)	Energy efficiency class				A+			
	Capacity		Pdesign	kW	4.70	7.80	4.70	7.80
	SCOP/A				4.02	4.01	4.02	4.01
	ηs,h			%	-			
	Annual energy consumption			kWh/a	1,637	2,723	1,637	2,723

Indoor unit				**FAA**	**71A**	**100A**	**71A**	**100A**
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240	290x1,050x238	340x1,200x240
Weight	Unit			kg	13.0	17.0	13.0	17.0
Air filter	Type				-			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/16 /18.0	19.0/23 /26.0	14.0/16 /18.0	19.0/23 /26.0
		Heating	Low/Medium/High	m^3/min	14.0/16.0 /18.0	19.0/23.0 /26.0	14.0/16.0 /18.0	19.0/23.0 /26.0
Sound power level	Cooling			dBA	61	65	61	65
	Heating			dBA	61	65	61	65
Sound pressure level	Cooling	Low/High		dBA	40/45	41/49	40/45	41/49
	Heating	Low/High		dBA	40/45	41/49	40/45	41/49
Control systems	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			

Outdoor unit				**RZAG/RZAG**	**71MV1**	**100MV1**	**71MY1**	**100MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320	990x940x320	1,430x940x320
Weight	Unit			kg	70	92	70	92
Sound power level	Cooling			dBA	64	66	65	66
Sound pressure level	Cooling	Nom.		dBA	46	47	46	47
	Heating	Nom.		dBA	49	51	49	51
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52			
	Heating	Ambient	Min.~Max.	°CWB	-20~18.0			
Refrigerant	Type/GWP				R-32/675			
	Charge			kg/TCO2Eq	2.95/1.99	3.75/2.53	2.95/1.99	3.75/2.53
Piping connections	Liquid/Gas OD			mm	9.52/15.9			
	Piping length	OU - IU	Max.	m	55	85	55	85
		System	Equivalent	m	75	100	75	100
			Chargeless	m	40			
	Additional refrigerant charge			kg/m	See installation manual			
	Level difference	IU - OU	Max.	m	30.0			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32	16	

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

SkyAir Advance-series
BLUEVOLUTION

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit



FAA-A



RZASG100-140MV1_MY1





BRC1H519W, BRP069A81

Efficiency data				FAA + RZASG	71A + 71MV1	100A + 100MV1	100A + 100MY1
Cooling capacity	Nom.			kW	6.80	9.50	
Heating capacity	Nom.			kW	7.50	10.8	
Space cooling	Energy efficiency class				A++	A+	
	Capacity		Pdesign	kW	6.80	9.50	
	SEER				6.41	5.83	
	ηs,c			%	-		
	Annual energy consumption			kWh/a	371	570	
Space heating (Average climate)	Energy efficiency class				A		
	Capacity		Pdesign	kW	4.50	6.00	
	SCOP/A				3.90	3.85	
	ηs,h			%	-		
	Annual energy consumption			kWh/a	1,615	2,182	

Indoor unit				FAA	71A	100A	100A
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240	
Weight	Unit			kg	13.0	17.0	
Air filter	Type				-		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/16 /18.0	19.0/23 /26.0	
		Heating	Low/Medium/High	m^3/min	14.0/16.0 /18.0	19.0/23.0 /26.0	
Sound power level	Cooling			dBA	61	65	
	Heating			dBA	61	65	
Sound pressure level	Cooling	Low/High		dBA	40/45	41/49	
	Heating	Low/High		dBA	40/45	41/49	
Control systems	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Outdoor unit				RZASG/RZASG	71MV1	100MV1	100MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	
Weight	Unit			kg	60	70	
Sound power level	Cooling			dBA	65	70	
Sound pressure level	Cooling	Nom.		dBA	46	53	
	Heating	Nom.		dBA	47	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5		
Refrigerant	Type/GWP				R-32/675		
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76	
Piping connections	Liquid/Gas	OD		mm	9.52/15.9		
	Piping length	OU - IU	Max.	m	50		
		System	Equivalent	m	70		
			Chargeless	m	30		
	Additional refrigerant charge			kg/m	See installation manual		
	Level difference	IU - OU	Max.	m	30.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		3~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	16

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

SkyAir Active-series
BLUEVOLUTION

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Ideal solution for small businesses and shops
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit



FAA-A



AZAS100-140MV1_MY1





BRC1H519W, BRP069A81

NEW

Efficiency data				FAA + ARXM/AZAS	ARXM71N9 + 71MV1	100A + 100MV1	100A + 100MY1
Cooling capacity	Nom.			kW	6.80	9.50	
Heating capacity	Nom.			kW	7.50	10.8	
Space cooling	Energy efficiency class				A+	A	
	Capacity		Pdesign	kW	6.80	9.50	
	SEER				5.77	5.25	
	ηs,c			%	-	-	
	Annual energy consumption			kWh/a	-	633	
Space heating (Average climate)	Energy efficiency class				A	A	
	Capacity		Pdesign	kW	4.50	6.00	
	SCOP/A				3.81	3.81	
	ηs,h			%	-	-	
	Annual energy consumption			kWh/a	-	2,205	

Indoor unit				FAA	71A	100A	100A
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240	
Weight	Unit			kg	13.0	17.0	
Air filter	Type				-		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/16 /18.0	19.0/23 /26.0	
		Heating	Low/Medium/High	m^3/min	14.0/16.0 /18.0	19.0/23.0 /26.0	
Sound power level	Cooling			dBA	61	65	
	Heating			dBA	61	65	
Sound pressure level	Cooling	Low/High		dBA	40/45	41/49	
	Heating	Low/High		dBA	40/45	41/49	
Control systems	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Outdoor unit				ARXM/AZAS	ARXM71N9	100MV1	100MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320	
Weight	Unit			kg	50	70	
Sound power level	Cooling			dBA	65	70	
Sound pressure level	Cooling	Nom.		dBA	52	53	
	Heating	Nom.		dBA	52	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46	
	Heating	Ambient	Min.~Max.	°CWB	-15~24	-15~15.5	
Refrigerant	Type/GWP				R-32/675	R-32/675	
	Charge			kg/TCO2Eq	-	2.60/1.76	
Piping connections	Liquid/Gas	OD		mm	9.52/15.9	9.52/15.9	
	Piping length	OU - IU	Max.	m	-	30	
		System	Equivalent	m	-	50	
			Chargeless	m	-	30	
	Additional refrigerant charge			kg/m	-	See installation manual	
	Level difference IU - OU		Max.	m	-	30.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	1~/50/220-240	3~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	16

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

perfera

SkyAir Alpha-series BLUEVOLUTION

Wall mounted unit

Attractive, wall mounted design with perfect indoor air quality

Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance

- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- 2 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces



NEW
RZAG-A mini Sky Air Alpha-series includes technical cooling function!

Efficiency data				**FTXM + RZAG**	**35N + 35A**	**50N + 50A**	**60N + 60A**
Cooling capacity	Nom.			kW	3,5	5,0	6,0
Heating capacity	Nom.			kW	4,0	6,0	7,0
Power input	Cooling		Min./Nom./Max.	kW		-	
	Heating		Min./Nom./Max.	kW		-	
Space cooling	Energy efficiency class					A++	
	Capacity		Pdesign	kW	3,5	5	6
	SEER				7,70	7,41	6,90
	Annual energy consumption			kWh/a		-	
Space heating	Energy efficiency class				A++		A+
(Average climate)	Capacity		Pdesign	kW	2,6	4,5	4,6
	SCOP/A				4,60	4,60	4,35
	Annual energy consumption			kWh/a		-	

Indoor unit				**FTXM**	**35N**	**50N**	**60N**
Dimensions	Unit	HeightxWidthxDepth		mm		-	
Weight	Unit			kg		-	
Air filter	Type					-	
Fan	Air flow rate	Cooling	Silent operation/Low/High	m^3/min		-	
		Heating	Silent operation/Low/High	m^3/min		-	
Sound power level	Cooling			dBA	60	59	60
	Heating			dBA	54	58	59
Sound pressure level	Cooling	Silent operation/Low/Nom./High		dBA	19/45	44/27	30/46
	Heating	Silent operation/Low/Nom./High		dBA	20/39	31/43	33/45
Control systems	Infrared remote control					ARC466A33	
	Wired remote control				BRC944B2 / BRC073A1	BRC944B2 / BRC073	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	

Outdoor unit				**RZAG**	**35A**	**50A**	**60A**
Dimensions	Unit	HeightxWidthxDepth		mm		734x954x401	
Weight	Unit			kg		52	
Sound power level	Cooling			dBA	62	63	64
	Heating			dBA		-	
Sound power level	Cooling			dBA	48	49	50
	Heating			dBA		-	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-20 / +52	
	Heating	Ambient	Min.~Max.	°CWB		-20 / +24	
Refrigerant	Type					R32	
	GWP					675	
	Charge			kg/TCO2Eq		-	
Piping connections	Liquid	OD		mm		-	
	Gas	OD		mm		-	
	Piping length	OU - IU	Max.	m		50	
		System	Chargeless	m		30	
	Additional refrigerant charge			kg/m		-	
	Level difference	IU - OU	Max.	m		30	
Power supply	Phase/Frequency/Voltage			Hz/V		Single / 50 / 230	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	20

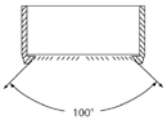
(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



- Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



- 5 different fan speeds available for maximum comfort
- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



FHA-A(9)



RZAG100-140MV1_MY1





BRC1H519W, BRP069A81

NEW
RZAG-A mini Sky Air Alpha-series includes technical cooling function!

Efficiency data				FHA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A	71A9 + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	71A9 + 71MY1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	3,5	5,0	6,0	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.			kW	4,0	5,8	7,0	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++			A++		-		A++		-	
	Capacity		Pdesign	kW	3,5	5,0	6,0	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				6,4	6,8	6,6	7.11	6.42	8.22	6.42	7.11	6.42	8.22	6.42
	ηs,c			%	-			-		326	254	-		326	254
	Annual energy consumption			kWh/a	-			335	518	883	1,252	335	518	883	1,252
Space heating (Average climate)	Energy efficiency class				A+			A+	A++	-		A+	A++	-	
	Capacity		Pdesign	kW	3,1	4,0	4,6	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A				4,1	4,3	4,2	4.32	4.61	4.09	4.30	4.32	4.61	4.09	4.30
	ηs,h			%	-			-		161	169	-		161	169
	Annual energy consumption			kWh/a	-			1,523	2,369	3,259	3,100	1,523	2,369	3,259	3,100

Indoor unit				FHA	35A	50A	60A	71A9	100A	125A	140A	71A9	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690	235x1,270x690	235x960x690	235x1,270x690	235x1,590x690			235x1,270x690	235x1,590x690		
Weight	Unit			kg	24.0	31.0	25.0	32.0	38.0			32.0	38.0		
Air filter	Type				Resin net										
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.0/11.5 /14.0	11.5/15.0 /19.5	10.0/12.0 /15.0	14.0/17.0 /20.5	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0	14.0/17.0 /20.5	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0
		Heating	Low/Medium/High	m^3/min	10.0/11.5 /14.0	11.5/15.0 /19.5	10.0/12.0 /15.0	14.0/17.0 /20.5	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0	14.0/17.0 /20.5	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0
Sound power level	Cooling			dBA	53	54		55	60	62	64	55	60	62	64
Sound pressure level	Cooling	Low/High		dBA	31/36	33/37	32/37	34/38	34/42	37/44	38/46	34/38	34/42	37/44	38/46
	Heating	Nom./High		dBA	34/36	35/37		36/38	38/42	41/44	42/46	36/38	38/42	41/44	42/46
Control systems	Infrared remote control				BRC7GA53 / BRC7GA56										
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52										
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240										

Outdoor unit				RZAG	35A	50A	60A	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401			990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	52			70	92			70	92		
Sound power level	Cooling			dBA	62	63	64	64	66	69	70	65	66	69	70
	Heating			dBA	-			-		69	70	-		69	70
Sound pressure level	Cooling	Nom.		dBA	48	49	50	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA	-			49	51	52		49	51	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 / +52			-20~52							
	Heating	Ambient	Min.~Max.	°CWB	-20 / +24			-20~18.0							
Refrigerant	Type/GWP				R32 / 675			R-32/675							
	Charge			kg/TCO2Eq	-			2.95/1.99	3.75/2.53			2.95/1.99	3.75/2.53		
Piping connections	Liquid/Gas	OD		mm	-			9.52/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	30			40							
	Additional refrigerant charge			kg/m	-			See installation manual							
	Level difference	IU - OU	Max.	m	30			30.0							
Power supply	Phase/Frequency/Voltage			Hz/V	Single / 50 / 230			1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	20	20	32			16			

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter(earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

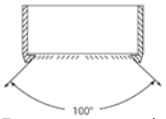
*Note: blue cells contain preliminary data

SkyAir Advance-series
BLUEVOLUTION

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

› Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
› Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



› Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
› Can easily be installed in both new and refurbishment projects
› Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



› 5 different fan speeds available for maximum comfort
› Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



FHA-A(9)

RZASG100-140MV1_MY1

BRC1H519W, BRP069A81

Efficiency data				FHA + RZASG	71A9 + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+		-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				5.95	5.83		5.88	5.83		5.88
	ηs,c			%	-		230	232	-	230	232
	Annual energy consumption			kWh/a	400	570	1,246	1,368	570	1,246	1,368
Space heating (Average climate)	Energy efficiency class				A		-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				3.90	3.91	3.83	3.81	3.91	3.83	3.81
	ηs,h			%	-		150	149	-	150	149
	Annual energy consumption			kWh/a	1,616	2,148	2,193	2,866	2,148	2,193	2,866

Indoor unit				FHA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	235x1,270x690	235x1,590x690					
Weight	Unit			kg	32.0	38.0					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/17.0 /20.5	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0
		Heating	Low/Medium/High	m^3/min	14.0/17.0 /20.5	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0
Sound power level	Cooling			dBA	55	60	62	64	60	62	64
Sound pressure level	Cooling	Low/High		dBA	34/38	34/42	37/44	38/46	34/42	37/44	38/46
	Heating	Nom./High		dBA	36/38	38/42	41/44	42/46	38/42	41/44	42/46
Control systems	Infrared remote control				BRC7G53						
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240						

Outdoor unit				RZASG/RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference IU - OU		Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		16		

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

› Combination with split outdoor units is ideal for small retail, offices or residential applications
› Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
› Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
› Can easily be installed in both new and refurbishment projects



Efficiency data				FHA + RXM	35A9 + 35M9	50A9 + 50M9	60A9 + 60M9
Cooling capacity	Nom.			kW	3.40	5.00	5.70
Heating capacity	Nom.			kW	4.00	6.00	7.20
Power input	Cooling		Nom.	kW	0.91	1.56	1.73
	Heating		Nom.	kW	0.98	1.79	2.17
Seasonal efficiency (according to EN14825)	Cooling		Energy efficiency class		A++	A+	
			Pdesign	kW	3.40	5.00	5.70
			SEER		6.24	5.92	6.08
			Annual energy consumption	kWh	191	295	328
	Heating (Average climate)		Energy efficiency class		A+	A	
			Pdesign	kW	3.10	4.35	4.71
			SCOP/A		4.43	3.86	3.87
			Annual energy consumption	kWh	979	1,578	1,704

Indoor unit				FHA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690		235x1,270x690
Weight	Unit			kg	24.0	25.0	31.0
Air filter	Type				Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5
		Heating	Low/Medium/High	m^3/min	10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5
Sound power level	Cooling			dBA	53	54	
Sound pressure level	Cooling	Low/High		dBA	31/36	32/37	33/37
	Heating	Nom./High		dBA	34/36	35/37	
Control systems	Infrared remote control				BRC7G53		
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Outdoor unit				RXM	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth		mm		-	
Weight	Unit			kg		-	
Sound power level	Cooling			dBA	61	62.0	63.0
	Heating			dBA	61	62.0	63.0
Sound pressure level	Cooling	Nom.		dBA	49	48.0	
	Heating	Nom.		dBA		49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~50	
	Heating	Ambient	Min.~Max.	°CWB		-20~24	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge			kg/TCO2Eq		-	
Piping connections	Liquid	OD		mm		-	
	Gas	OD		mm		-	
	Piping length	OU - IU	Max.	m		-	
		System	Chargeless	m		-	
	Additional refrigerant charge			kg/m		-	
	Level difference	IU - OU	Max.	m		-	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A		-	

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

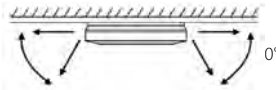
UNIQUE

SkyAir Alpha-series BLUEVOLUTION

4-way blow ceiling suspended unit

Unique Daikin unit for high rooms with no false ceilings nor free floor space

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- 5 different discharge angles between 0 and 60°can be programmed via the remote control
- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- Optimum comfort guaranteed with automatic air flow adjustment to the required load





FUA-A



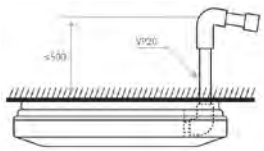
RZAG100-140MV1_MY1





BRC1H519W, BRP069A81

- Standard drain pump with 500mm lift increases flexibility and installation speed



Efficiency data				FUA + RZAG	71A + 71MV1	100A + 100MV1	125A + 125MV1	71A + 71MY1	100A + 100MY1	125A + 125MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	6.80	9.50	12.1
Heating capacity	Nom.			kW	7.50	10.8	13.5	7.50	10.8	13.5
Space cooling	Energy efficiency class				A++		-	A++		-
	Capacity		Pdesign	kW	6.80	9.50	12.1	6.80	9.50	12.1
	SEER				7.02	6.42	6.39	7.02	6.42	6.39
	ηs,c			%	-		253	-		253
	Annual energy consumption			kWh/a	339	518	1,136	339	518	1,136
Space heating (Average climate)	Energy efficiency class				A+		-	A+		-
	Capacity		Pdesign	kW	4.70	7.80	9.52	4.70	7.80	9.52
	SCOP/A				4.20	4.50	4.26	4.20	4.50	4.26
	ηs,h			%	-		167	-		167
	Annual energy consumption			kWh/a	1,567	2,427	3,129	1,567	2,427	3,129

Indoor unit				FUA	71A	100A	125A	71A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950					
Weight	Unit			kg	25.0	26.0		25.0	26.0	
Air filter	Type				Resin net					
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	16.0/19.5 /23.0	20.0/25.5 /31.0	20.5/26.5 /32.5	16.0/19.5 /23.0	20.0/25.5 /31.0	20.5/26.5 /32.5
		Heating	Low/Medium/High	m^3/min	16.0/19.5 /23.0	20.0/25.5 /31.0	20.5/26.5 /32.5	16.0/19.5 /23.0	20.0/25.5 /31.0	20.5/26.5 /32.5
Sound power level	Cooling			dBA	59	64	65	59	64	65
	Heating			dBA	59	64	-	59	64	-
Sound pressure level	Cooling	Low/High		dBA	35/41	39/46	40/47	35/41	39/46	40/47
	Heating	Low/High		dBA	35/41	39/46	40/47	35/41	39/46	40/47
Control systems	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52					
Power supply	Phase/Frequency/Voltage			Hz/V	-/-/-					

Outdoor unit				RZAG/RZAG	71MV1	100MV1	125MV1	71MY1	100MY1	125MY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320		990x940x320	1,430x940x320	
Weight	Unit			kg	70	92		70	92	
Sound power level	Cooling			dBA	64	66	69	65	66	69
	Heating			dBA	-		69	-		69
Sound pressure level	Cooling	Nom.		dBA	46	47	50	46	47	50
	Heating	Nom.		dBA	49	51	52	49	51	52
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52					
	Heating	Ambient	Min.~Max.	°CWB	-20~18.0					
Refrigerant	Type/GWP				R-32/675					
	Charge			kg/TCO2Eq	2.95/1.99	3.75/2.53		2.95/1.99	3.75/2.53	
Piping connections	Liquid/Gas	OD		mm	9.52/15.9					
	Piping length	OU - IU	Max.	m	55	85		55	85	
		System	Equivalent	m	75	100		75	100	
			Chargeless	m	40					
	Additional refrigerant charge			kg/m	See installation manual					
	Level difference IU - OU		Max.	m	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32		16		

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

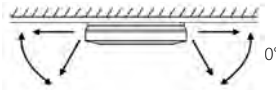
UNIQUE

SkyAir Advance-series
BLUEVOLUTION

4-way blow ceiling suspended unit

Unique Daikin unit for high rooms with no false ceilings nor free floor space

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- 5 different discharge angles between 0 and 60°can be programmed via the remote control
- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- Optimum comfort guaranteed with automatic air flow adjustment to the required load





FUA-A



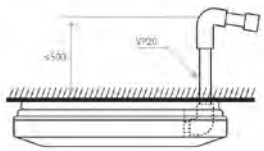
RZASG100-140MV1_MY1





BRC1H519W, BRP069A81

- Standard drain pump with 500mm lift increases flexibility and installation speed



Efficiency data				FUA + RZASG	71A + 71MV1	100A + 100MV1	125A + 125MV1	100A + 100MY1	125A + 125MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	9.50	12.1
Heating capacity	Nom.			kW	7.50	10.8	13.5	10.8	13.5
Space cooling	Energy efficiency class				A++	A+	-	A+	-
	Capacity		Pdesign	kW	6.80	9.50	12.1	9.50	12.1
	SEER				6.16	5.83	5.49	5.83	5.49
	ηs,c			%	-		217	-	217
	Annual energy consumption			kWh/a	386	570	1,322	570	1,322
Space heating (Average climate)	Energy efficiency class				A	A+	-	A+	-
	Capacity		Pdesign	kW	4.50	6.00			
	SCOP/A				3.90	4.01	3.84	4.01	3.84
	ηs,h			%	-		151	-	151
	Annual energy consumption			kWh/a	1,615	2,095	2,188	2,095	2,188

Indoor unit				FUA	71A	100A	125A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950				
Weight	Unit			kg	25.0	26.0			
Air filter	Type				Resin net				
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	16.0/19.5 /23.0	20.0/25.5 /31.0	20.5/26.5 /32.5	20.0/25.5 /31.0	20.5/26.5 /32.5
		Heating	Low/Medium/High	m^3/min	16.0/19.5 /23.0	20.0/25.5 /31.0	20.5/26.5 /32.5	20.0/25.5 /31.0	20.5/26.5 /32.5
Sound power level	Cooling			dBA	59	64	65	64	65
	Heating			dBA	59	64	-	64	-
Sound pressure level	Cooling	Low/High		dBA	35/41	39/46	40/47	39/46	40/47
	Heating	Low/High		dBA	35/41	39/46	40/47	39/46	40/47
Control systems	Wired remote control				BRC1H519W/K/S / BRC1E53A/B/C / BRC1D52				
Power supply	Phase/Frequency/Voltage			Hz/V	-/-/-				

Outdoor unit				RZASG/RZASG	71MV1	100MV1	125MV1	100MY1	125MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320			
Weight	Unit			kg	60	70			
Sound power level	Cooling			dBA	65	70	71	70	71
	Heating			dBA	-		71	-	71
Sound pressure level	Cooling	Nom.		dBA	46	53			
	Heating	Nom.		dBA	47	57			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46				
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5				
Refrigerant	Type/GWP				R-32/675				
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76			
Piping connections	Liquid/Gas	OD		mm	9.52/15.9				
	Piping length	OU - IU	Max.	m	50				
		System	Equivalent	m	70				
			Chargeless	m	30				
	Additional refrigerant charge			kg/m	See installation manual				
	Level difference IU - OU		Max.	m	30.0				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32	16	

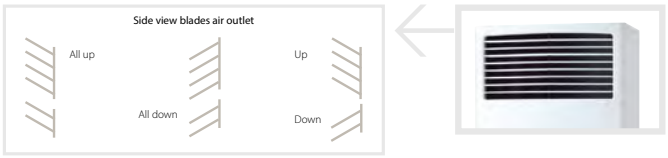
(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Floor standing unit

For commercial spaces with high ceilings

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
- Improved comfort as a result of better airflow distribution from the vertical out blow which allows manual adjustment of air outlet blades at the top of the unit.
- Selectable horizontal out blow to better suit the layout of the room (via wired remote controller BRC1E*/BRC1H*)





Efficiency data				FVA + RZAG	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	71A + 71MY1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++	A+	-		A++	A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				6.37	6.00	6.41	6.12	6.37	6.00	6.41	6.12
	ηs,c			%	-		253	242	-		253	242
	Annual energy consumption			kWh/a	374	554	1,133	1,314	374	554	1,133	1,314
Space heating (Average climate)	Energy efficiency class				A+		-		A+		-	
	Capacity		Pdesign	kW	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A				4.05	4.20	4.15	3.94	4.05	4.20	4.15	3.94
	ηs,h			%	-		163	155	-		163	155
	Annual energy consumption			kWh/a	1,625	2,600	3,209	3,383	1,625	2,600	3,209	3,383

Indoor unit				FVA	71A	100A	125A	140A	71A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350			1,850x600x270	1,850x600x350		
Weight	Unit			kg	42	50			42	50		
Air filter	Type				Resin net							
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14/16 /18	22/25 /28	24/26 /28	26/28 /30	14/16 /18	22/25 /28	24/26 /28	26/28 /30
		Heating	Low/Medium/High	m^3/min	14/16 /18	22/25 /28	24/26 /28	26/28 /30	14/16 /18	22/25 /28	24/26 /28	26/28 /30
Sound power level	Cooling			dBA	55	62	63	65	55	62	63	65
Sound pressure level	Cooling	Low/High		dBA	38/43	44/50	46/51	48/53	38/43	44/50	46/51	48/53
	Heating	Nom./High		dBA	41/43	47/50	48/51	51/53	41/43	47/50	48/51	51/53
Control systems	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							

Outdoor unit				RZAG/RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	70	92			70	92		
Sound power level	Cooling			dBA	64	66	69	70	65	66	69	70
	Heating			dBA	-		69	70	-		69	70
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA	49	51	52		49	51	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52							
	Heating	Ambient	Min.~Max.	°CWB	-20~18.0							
Refrigerant	Type/GWP				R-32/675							
	Charge			kg/TCO2Eq	2.95/1.99	3.75/2.53			2.95/1.99	3.75/2.53		
Piping connections	Liquid/Gas	OD		mm	9.52/15.9							
	Piping length	OU - IU	Max.	m	55	85			55	85		
		System	Equivalent	m	75	100			75	100		
			Chargeless	m	40							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference	IU - OU	Max.	m	30.0							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16			

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

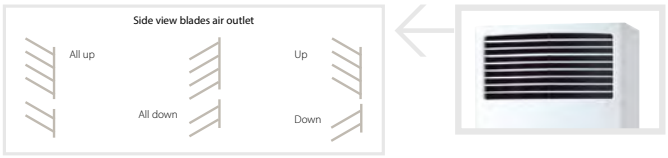
SkyAir Advance-series
BLUEVOLUTION

Floor standing unit

For commercial spaces with high ceilings

› Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
› Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
› Improved comfort as a result of better airflow distribution from the vertical out blow which allows manual adjustment of air outlet blades at the top of the unit.
› Selectable horizontal out blow to better suit the layout of the room (via wired remote controller BRC1E*/BRC1H*)





Efficiency data				FVA + RZASG	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+		-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				5.83	5.72	5.52	5.63	5.72	5.52	5.63
	ηs,c			%	-		218	222	-	218	222
	Annual energy consumption			kWh/a	408	581	1,314	1,428	581	1,314	1,428
Space heating (Average climate)	Energy efficiency class				A+	A	-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				4.04	3.83	3.64	3.81	3.83	3.64	3.81
	ηs,h			%	-		143	149	-	143	149
	Annual energy consumption			kWh/a	1,559	2,193	2,308	2,866	2,193	2,308	2,866

Indoor unit				FVA	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350					
Weight	Unit			kg	42	50					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14/16 /18	22/25 /28	24/26 /28	26/28 /30	22/25 /28	24/26 /28	26/28 /30
		Heating	Low/Medium/High	m^3/min	14/16 /18	22/25 /28	24/26 /28	26/28 /30	22/25 /28	24/26 /28	26/28 /30
Sound power level	Cooling			dBA	55	62	63	65	62	63	65
Sound pressure level	Cooling	Low/High		dBA	38/43	44/50	46/51	48/53	44/50	46/51	48/53
	Heating	Nom./High		dBA	41/43	47/50	48/51	51/53	47/50	48/51	51/53
Control systems	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZASG/RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		16		

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Concealed floor standing unit

Designed to be concealed in walls

Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance

- Ideal for installation in offices, hotels and residential applications
- Blends unobtrusively with any interior design: only the suction and discharge grills are visible
- Its low height (620 mm) enables the unit to fit perfectly beneath a window
- Requires very little installation space as the depth is only 200mm
- High ESP allows flexible installation



FNQ-A9



RZAG35-60A



BRC1H519W



BRP069A81

NEW
RZAG-A mini Sky Air Alpha-series includes technical cooling function!

Efficiency data				FNA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A
Cooling capacity	Nom.			kW	3.5	5.0	6.0
Heating capacity	Nom.			kW	4.0	5.8	7.0
Power input	Cooling	Nom.		kW		-	
	Heating	Nom.		kW		-	
Space cooling	Energy efficiency class					A+	
	Capacity	Pdesign		kW	3.5	5	6
	SEER				5.90	5.90	5.70
	Annual energy consumption			kWh/a		-	
Space heating (Average climate)	Energy efficiency class					A	
	Capacity	Pdesign		kW	4.2	4.3	4.5
	SCOP/A				3.90	3.90	3.90
	Annual energy consumption			kWh/a		-	

Indoor unit				FNA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	620 / 720(2)x750x200	620 / 720(2)x1,150x200	
Weight	Unit			kg	23	30	
Air filter	Type					Resin net	
Fan - Air flow rate	Cooling	High/Low		m^3/min	8.7/7.3	16.0/13.5	
	Heating	High/Low		m^3/min	8.7/7.3	16.0/13.5	
Fan - External static pressure	High/Nom./Maximum available/High			Pa	48/30/-	49/40/-	
Sound power level	Cooling			dBA	53	56	
Sound pressure level	Cooling	High/Low		dBA	33/28	36/30	
	Heating	High/Low		dBA	33/28	36/30	
Refrigerant	Type					R-32 / R-410A	
Control systems	Infrared remote control					BRC4C65	
	Wired remote control					BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52	
Power supply	Phase / Frequency / Voltage			Hz / V		1~ / 50/60 / 220-240/220	

Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm		734x954x401	
Weight	Unit			kg		52	
Sound power level	Cooling			dBA	62	63	64
	Heating			dBA		-	
Sound power level	Cooling			dBA	48	49	50
	Heating			dBA		-	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-20 / +52	
	Heating	Ambient	Min.~Max.	°CWB		-20 / +24	
Refrigerant	Type					R32	
	GWP					675	
	Charge			kg/TCO2Eq		-	
Piping connections	Liquid	OD		mm		-	
	Gas	OD		mm		-	
	Piping length	OU - IU	Max.	m		50	
		System	Chargeless	m		30	
	Additional refrigerant charge			kg/m		-	
	Level difference	IU - OU	Max.	m		30	
Power supply	Phase/Frequency/Voltage			Hz/V		Single / 50 / 230	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	20

(1) Including installation legs (3) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

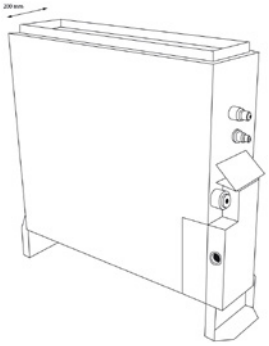
*Note: blue cells contain preliminary data

Concealed floor standing unit

Designed to be concealed in walls

Combination with split outdoor units is ideal for small retail, offices or residential applications

- Ideal for installation in offices, hotels and residential applications
- Blends unobtrusively with any interior design: only the suction and discharge grills are visible
- Its low height (620 mm) enables the unit to fit perfectly beneath a window
- Requires very little installation space as the depth is only 200mm
- High ESP allows flexible installation





FNA-A9



RXM35N9



BRC1H519W



BRP069A81

Efficiency data			FNA + RXM	25A9 + 25N9	35A9 + 35N9	50A9 + 50N9	60A9 + 60N9
Cooling capacity	Nom.		kW	2,60	3,40	5,00	6,00
Heating capacity	Nom.		kW	3,20	4,00	5,80	7,00
Power input	Cooling	Nom.	kW	0,68	1,10	1,48	2,22
	Heating	Nom.	kW	0,80	1,15	1,74	2,25
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A+		A
		Pdesign	kW	2,60	3,40	5,00	6,00
		SEER		5,68	5,70	5,77	5,56
		Annual energy consumption	kWh	160	209	303	378
	Heating (Average climate)	Energy efficiency class			A+		
		Pdesign	kW	2,80	2,90	4,00	4,60
		SCOP/A		4,24	4,05	4,09	4,16
		Annual energy consumption	kWh	924	1002	1369	1547

Indoor unit			FNA	25A9	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth	mm	620 / 720(2)x750x200		620 / 720(2)x1,150x200	
Weight	Unit		kg	23		30	
Air filter	Type			Resin net			
Fan - Air flow rate	Cooling	High/Low	m^3/min	8.7/7.3		16.0/13.5	
	Heating	High/Low	m^3/min	8.7/7.3		16.0/13.5	
Fan - External static pressure	High/Nom./Maximum available/High		Pa	48/30/-		49/40/-	
Sound power level	Cooling		dBA	53		56	
Sound pressure level	Cooling	High/Low	dBA	33/28		36/30	
	Heating	High/Low	dBA	33/28		36/30	
Refrigerant	Type			R-32 / R-410A			
Control systems	Infrared remote control			BRC4C65			
	Wired remote control			BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52			
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220			

Outdoor unit				RXM	25N9	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth		mm	-			
Weight	Unit			kg	-			
Sound power level	Cooling			dBA	58	61	62.0	63.0
	Heating			dBA	59	61	62.0	63.0
Sound pressure level	Cooling	Nom.		dBA	46	49	48.0	
	Heating	Nom.		dBA	47	49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50			
	Heating	Ambient	Min.~Max.	°CWB	-20~24			
Refrigerant	Type				R-32			
	GWP				675.0			
	Charge			kg/TCO2Eq	-			
Piping connections	Liquid	OD		mm	-			
	Gas	OD		mm	-			
	Piping length	OU - IU	Max.	m	-			
		System	Chargeless	m	-			
	Additional refrigerant charge			kg/m	-			
	Level difference	IU - OU	Max.	m	-			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			

(1) Including installation legs (3) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

ROUND FLOW

Seasonal Smart

High COP, round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Seasonal Smart ensures best in class quality, highest efficiency and performance
- High COP cassette ensures top performance, great savings in energy consumption and a comfortable environment for commercial applications
- Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- Two optional intelligent sensors improve energy efficiency and comfort

NEW
- Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)

NEW
- Bigger flaps improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed



FCAHG-H



RZQG100-140L9V1/L(8)Y1





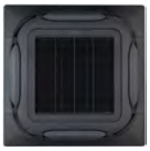
BRC1H519W, BRP069B82



White panel



White design panel



Black panel



Black design panel

Efficiency data				**FCAHG + RZQG**	**71H + 71L9V1**	**100H + 100L9V1**	**125H + 125L9V1**	**140H + 140L9V1**	**71H + 71L8Y1**	**100H + 100L8Y1**	**125H + 125L8Y1**	**140H + 140LY1**
Cooling capacity	Nom.			kW	6.80	9.50	12.0	13.4	6.80	9.50	12.0	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class					A++		-		A++		-
	Capacity		Pdesign	kW	6.80	9.50	12.0	13.4	6.80	9.50	12.0	13.4
	SEER				6.91	7.00	6.61	6.75	6.91	7.00	6.61	6.75
	ηs,c			%		-		266.9		-		266.9
	Annual energy consumption			kWh/a	345	475	636	1,191	345	475	636	1,191
Space heating (Average climate)	Energy efficiency class				A+	A++		-	A+	A++		-
	Capacity		Pdesign	kW	7.60	11.3	12.7	11.8	7.60	11.3	12.7	11.8
	SCOP/A				4.54	4.80	4.63	4.38	4.54	4.80	4.63	4.38
	ηs,h			%		-		172.1		-		172.1
	Annual energy consumption			kWh/a	2,344	3,296	3,829	3,766	2,344	3,296	3,829	3,766

Indoor unit				**FCAHG**	**71H**	**100H**	**125H**	**140H**	**71H**	**100H**	**125H**	**140H**
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840							
Weight	Unit			kg	25							
Air filter	Type				Resin net							
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels (F = fine mesh): BYCQ140EG(F) - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black							
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950							
	Weight			kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4							
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.2/16.7 /21.2	19.0/25.7 /32.3	19.9/26.7 /33.5	21.1/27.3 /33.5	12.2/16.7 /21.2	19.0/25.7 /32.3	19.9/26.7 /33.5	21.1/27.3 /33.5
		Heating	Low/Medium/High	m^3/min	12.2/16.7 /21.2	19.0/25.7 /32.3	19.9/26.7 /33.5	21.1/27.3 /33.5	12.2/16.7 /21.2	19.0/25.7 /32.3	19.9/26.7 /33.5	21.1/27.3 /33.5
Sound power level	Cooling			dBA	53	61			53	61		
	Heating			dBA	53	61			53	61		
Sound pressure level	Cooling	Low/High		dBA	29/36	33/44	35/45	37/45	29/36	33/44	35/45	37/45
	Heating	Low/High		dBA	29/36	33/44	35/45	37/45	29/36	33/44	35/45	37/45
Control systems	Infrared remote control				BRC7FA532F / BRC7FA532FB							
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							

Outdoor unit				**RZQG/RZQG**	**71L9V1**	**100L9V1**	**125L9V1**	**140L9V1**	**71L8Y1**	**100L8Y1**	**125L8Y1**	**140LY1**
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	69.0	95.0			80.0	101.0		
Sound power level	Cooling			dBA	64.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0
	Heating			dBA	64.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0							
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5							
Refrigerant	Type/GWP				R-410A/2,087.5							
	Charge			kg/TCO2Eq	2.9/6.05	4.0/8.35			2.9/6.05	4.0/8.35		
Piping connections	Liquid/Gas	OD		mm	9.52/15.9							
	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
			Chargeless	m	30							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference	IU - OU	Max.	m	30.0							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	25	40			16	25		

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

ROUND FLOW

Seasonal Classic

High COP, round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Seasonal Classic ensures good value for money for all types of commercial applications
- High COP cassette ensures top performance, great savings in energy consumption and a comfortable environment for commercial applications
- Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- Two optional intelligent sensors improve energy efficiency and comfort
- NEW Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- NEW Bigger flaps improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed



FCAHG-H



RZQSG71-100-125L3/9V1





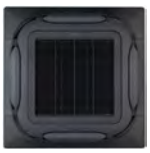
BRC1H519W, BRP069B82



White panel



White design panel



Black panel



Black design panel

Efficiency data				FCAHG + RZQSG	71H + 71L3V1	100H + 100L9V1	125H + 125L9V1	140H + 140L9V1	100H + 100L8Y1	125H + 125L8Y1	140H + 140LY1
Cooling capacity	Nom.			kW	6.80	9.50	12.0	13.4	9.50	12.0	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++		A	-	A++	A	-
	Capacity		Pdesign	kW	6.80	9.50	12.0	13.4	9.50	12.0	13.4
	SEER				6.50	6.70	5.40	6.61	6.70	5.40	6.61
	ηs,c			%	261.6	-			-		261.6
	Annual energy consumption			kWh/a	367	497	778	1,215	497	778	1,215
Space heating (Average climate)	Energy efficiency class				A+			-	A+		-
	Capacity		Pdesign	kW	7.60	8.03		11.8	8.03		11.8
	SCOP/A				4.15	4.30	4.10	4.29	4.30	4.10	4.29
	ηs,h			%	261.6	-		168.6	-		168.6
	Annual energy consumption			kWh/a	2,563	2,615	2,742	3,843	2,615	2,742	3,843

Indoor unit				FCAHG	71H	100H	125H	140H	100H	125H	140H
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840						
Weight	Unit			kg	25						
Air filter	Type				Resin net						
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels (F = fine mesh): BYCQ140EG(F) - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black						
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950						
	Weight			kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.2/16.7 /21.2	19.0/25.7 /32.3	19.9/26.7 /33.5	21.1/27.3 /33.5	19.0/25.7 /32.3	19.9/26.7 /33.5	21.1/27.3 /33.5
		Heating	Low/Medium/High	m^3/min	12.2/16.7 /21.2	19.0/25.7 /32.3	19.9/26.7 /33.5	21.1/27.3 /33.5	19.0/25.7 /32.3	19.9/26.7 /33.5	21.1/27.3 /33.5
Sound power level	Cooling			dBA	53	61					
	Heating			dBA	53	61					
Sound pressure level	Cooling	Low/High		dBA	29/36	33/44	35/45	37/45	33/44	35/45	37/45
	Heating	Low/High		dBA	29/36	33/44	35/45	37/45	33/44	35/45	37/45
Control systems	Infrared remote control				BRC7FA532F / BRC7FA532FB						
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZQSG/RZQSG	71L3V1	100L9V1	125L9V1	140L9V1	100L8Y1	125L8Y1	140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	72.0	74.0	95.0	82.0		101.0
Sound power level	Cooling			dBA	65	70.0		69.0	70.0		69.0
	Heating			dBA	-	70.0		69.0	70.0		69.0
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/-	54/-	53/-		54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~46	-15.0~46.0					
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5	-15.0~15.5					
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	2.75/5.7	2.9/6.05		4.0/8.35	2.9/6.05		4.0/8.35
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	15	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	40			20		25

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Seasonal Smart ensures best in class quality, highest efficiency and performance
- Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- Two optional intelligent sensors improve energy efficiency and comfort
- NEW Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- NEW Bigger flaps improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed



FCAG-B



RZQG100-125-140L9V1/L(8)Y1





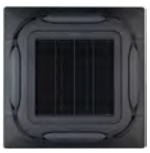
BRC1H519W, BRP069B82



White panel



White design panel



Black panel



Black design panel

Efficiency data				**FCAG + RZQG**	**71B + 71L9V1**	**100B + 100L9V1**	**125B + 125L9V1**	**140B + 140L9V1**	**71B + 71L8Y1**	**100B + 100L8Y1**	**125B + 125L8Y1**	**140B + 140LY1**
Cooling capacity	Nom.			kW	6.80	9.50	12.0	13.4	6.80	9.50	12.0	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++		A+	-	A++		A+	-
	Capacity		Pdesign	kW	6.80	9.50	12.0	13.4	6.80	9.50	12.0	13.4
	SEER				6.72	6.80	6.00	6.44	6.72	6.80	6.00	6.44
	ηs,c			%		-		254.6		-		254.6
	Annual energy consumption			kWh/a	355	489	700	1,249	355	489	700	1,249
Space heating (Average climate)	Energy efficiency class				A+	A++	A+	-	A+	A++	A+	-
	Capacity		Pdesign	kW	6.33	11.3	12.7	11.6	6.33	11.3	12.7	11.6
	SCOP/A				4.20	4.61	4.10	4.27	4.20	4.61	4.10	4.27
	ηs,h			%		-		167.6		-		167.6
	Annual energy consumption			kWh/a	2,110	3,432	4,323	3,795	2,110	3,432	4,323	3,795

Indoor unit				**FCAG**	**71B**	**100B**	**125B**	**140B**	**71B**	**100B**	**125B**	**140B**
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840			204x840x840	246x840x840		
Weight	Unit			kg	21	24			21	24		
Air filter	Type				Resin net							
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels (F = fine mesh): BYCQ140EG(F) - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black							
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950							
	Weight			kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4							
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	9.3/12.5 /15.3	12.4/17.6 /22.8	12.4/19.2 /26.0		9.3/12.5 /15.3	12.4/17.6 /22.8	12.4/19.2 /26.0	
		Heating	Low/Medium/High	m^3/min	9.1/12.1 /15.0	12.4/17.6 /22.8	12.4/19.2 /26.0		9.1/12.1 /15.0	12.4/17.6 /22.8	12.4/19.2 /26.0	
Sound power level	Cooling			dBA	51	54	58		51	54	58	
	Heating			dBA	51	54	58		51	54	58	
Sound pressure level	Cooling	Low/High		dBA	28/35	29/37	29/41		28/35	29/37	29/41	
	Heating	Low/High		dBA	28/33	29/37	29/41		28/33	29/37	29/41	
Control systems	Infrared remote control				BRC7FA532F / BRC7FA532FB							
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							

Outdoor unit				**RZQG/RZQG**	**71L9V1**	**100L9V1**	**125L9V1**	**140L9V1**	**71L8Y1**	**100L8Y1**	**125L8Y1**	**140LY1**
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	69.0	95.0			80.0	101.0		
Sound power level	Cooling			dBA	64.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0
	Heating			dBA	64.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0							
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5							
Refrigerant	Type/GWP				R-410A/2,087.5							
	Charge			kg/TCO2Eq	2.9/6.05	4.0/8.35			2.9/6.05	4.0/8.35		
Piping connections	Liquid/Gas	OD		mm	9.52/15.9							
	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
			Chargeless	m	30							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference IU - OU		Max.	m	30.0							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	25	40			16	25		

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

ROUND FLOW

Seasonal Classic

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Seasonal Classic ensures good value for money for all types of commercial applications
- Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- Two optional intelligent sensors improve energy efficiency and comfort
- NEW Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- NEW Bigger flaps improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed



FCAG-B



RZQSG71-100-125L3/9V1





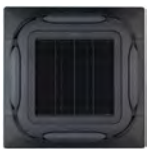
BRC1H519W, BRP069B82



White panel



White design panel



Black panel



Black design panel

Efficiency data				FCAG + RZQSG	71B + 71L3V1	100B + 100L9V1	125B + 125L9V1	140B + 140L9V1	100B + 100L8Y1	125B + 125L8Y1	140B + 140LY1
Cooling capacity	Nom.			kW	6.80	9.50	12.0	13.4	9.50	12.0	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++		A	-	A++	A	-
	Capacity		Pdesign	kW	6.80	9.50	12.0	13.4	9.50	12.0	13.4
	SEER				6.10	6.50	5.30	6.18	6.50	5.30	6.18
	ηs,c			%	-			244.4	-		244.4
	Annual energy consumption			kWh/a	391	512	793	1,300	512	793	1,300
Space heating (Average climate)	Energy efficiency class				A+			-	A+		-
	Capacity		Pdesign	kW	6.33	7.60	8.03	11.6	7.60	8.03	11.6
	SCOP/A				4.10		4.01	4.18	4.10	4.01	4.18
	ηs,h			%	-			164.2	-		164.2
	Annual energy consumption			kWh/a	2,162	2,596	2,804	3,872	2,596	2,804	3,872
Indoor unit				**FCAG**	**71B**	**100B**	**125B**	**140B**	**100B**	**125B**	**140B**
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840					
Weight	Unit			kg	21	24					
Air filter	Type				Resin net						
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels (F = fine mesh): BYCQ140EG(F) - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black						
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950						
	Weight			kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	9.3/12.5 /15.3	12.4/17.6 /22.8	12.4/19.2 /26.0		12.4/17.6 /22.8	12.4/19.2 /26.0	
		Heating	Low/Medium/High	m^3/min	9.1/12.1 /15.0	12.4/17.6 /22.8	12.4/19.2 /26.0		12.4/17.6 /22.8	12.4/19.2 /26.0	
Sound power level	Cooling			dBA	51	54	58		54	58	
	Heating			dBA	51	54	58		54	58	
Sound pressure level	Cooling	Low/High		dBA	28/35	29/37	29/41		29/37	29/41	
	Heating	Low/High		dBA	28/33	29/37	29/41		29/37	29/41	
Control systems	Infrared remote control				BRC7FA532F / BRC7FA532FB						
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						
Outdoor unit				**RZQSG/RZQSG**	**71L3V1**	**100L9V1**	**125L9V1**	**140L9V1**	**100L8Y1**	**125L8Y1**	**140LY1**
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	72.0	74.0	95.0	82.0		101.0
Sound power level	Cooling			dBA	65	70.0		69.0	70.0		69.0
	Heating			dBA	-	70.0		69.0	70.0		69.0
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/-	54/-	53/-		54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~46	-15.0~46.0					
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5	-15.0~15.5					
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	2.75/5.7	2.9/6.05		4.0/8.35	2.9/6.05		4.0/8.35
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference IU - OU		Max.	m	15	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	40			20		25

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

ROUND FLOW

Round flow cassette

360° air discharge for optimum efficiency and comfort

- › Ideal solution for small businesses and shops
- › Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- › Two optional intelligent sensors improve energy efficiency and comfort
- NEW › Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- NEW › Bigger flaps improve equal air distribution
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Optional fresh air intake
- › Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- › Standard drain pump with 675mm lift increases flexibility and installation speed



FCAG-B

AZQS140B8V1/BY1

BRC1H519W, BRP069B82



White panel | White design panel | Black panel | Black design panel

Efficiency data				FCAG + AZQS	71B + 71BV1	100B + 100B8V1	125B + 125B8V1	140B + 140B8V1	100B + 100BY1	125B + 125BY1	140B + 140BY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+	A	-		A	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER				5.70	5.50	5.16	5.94	5.50	5.16	5.94
	ηs,c			%	-		203.5	234.5	-	203.5	234.5
	Annual energy consumption			kWh/a	418	605	1,406	1,314	605	1,406	1,314
Space heating (Average climate)	Energy efficiency class				A+	A	-		A	-	
	Capacity		Pdesign	kW	6.33	7.60	7.78	11.6	7.60	7.78	11.6
	SCOP/A				4.00	3.85	3.67	3.96	3.85	3.67	3.96
	ηs,h			%	-		143.8	155.3	-	143.8	155.3
	Annual energy consumption			kWh/a	2,216	2,762	2,969	4,089	2,764	2,969	4,089

Indoor unit				FCAG	71B	100B	125B	140B	100B	125B	140B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840					
Weight	Unit			kg	21	24					
Air filter	Type				Resin net						
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels (F = fine mesh): BYCQ140EG(F) - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black					
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950						
	Weight			kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	9.3/12.5 /15.3	12.4/17.6 /22.8	12.4/19.2 /26.0		12.4/17.6 /22.8	12.4/19.2 /26.0	
		Heating	Low/Medium/High	m^3/min	9.1/12.1 /15.0	12.4/17.6 /22.8	12.4/19.2 /26.0		12.4/17.6 /22.8	12.4/19.2 /26.0	
Sound power level	Cooling			dBA	51	54	58		54	58	
	Heating			dBA	51	54	58		54	58	
Sound pressure level	Cooling	Low/High		dBA	28/35	29/37	29/41		29/37	29/41	
	Heating	Low/High		dBA	28/33	29/37	29/41		29/37	29/41	
Control systems	Infrared remote control				BRC7FA532F / BRC7FA532FB						
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C, BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				AZQS	71BV1	100B8V1	125B8V1	140B8V1	100BY1	125BY1	140BY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	72.8	74.3	94.9	82		101.0
Sound power level	Cooling			dBA	64	70.0	71.0	70.0		71.0	70.0
	Heating			dBA	-	70.0	71.0	70.0	-	71.0	70.0
Sound pressure level	Cooling	Nom.		dBA	48	53	54	53		54	53
	Heating	Nom.		dBA	50	57	58	54	57	58	54
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5~46	-5.0~46.0			-5~46	-5.0~46.0	
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5	-15.0~15.5			-15~15.5	-15.0~15.5	
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	2.75/5.7	2.9/6.05		4.0/8.35	2.9/6.1	2.9/6.05	4.0/8.35
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50	50 / 30			50	50 / 30	
		System	Equivalent	m	70	70 / 40 (1.000)			70	70 (1.000) / 40 (2.000)	
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference IU - OU		Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	-	32		40	-	20	25

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Round flow cassette

360° air discharge for optimum efficiency and comfort

- › Combination with split outdoor units is ideal for small retail, offices or residential applications
- › Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- › Two optional intelligent sensors improve energy efficiency and comfort
- NEW › Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- NEW › Bigger flaps improve equal air distribution
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Optional fresh air intake
- › Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- › Standard drain pump with 675mm lift increases flexibility and installation speed



FCAG-B

RXL25-35L

BRC1H519W, BRP069B82



White panel | White design panel | Black panel | Black design panel

Efficiency data				FCAG + RXS	35B + 35L3	50B + 50L	60B + 60L
Cooling capacity	Nom.			kW	3.40	5.00	5.70
Heating capacity	Nom.			kW	4.20	6.00	7.00
Space cooling	Energy efficiency class					A++	
	Capacity		Pdesign	kW	3.50	5.00	5.70
	SEER				6.35	6.48	6.22
	ηs,c			%		-	
	Annual energy consumption			kWh/a	193	270	321
Space heating (Average climate)	Energy efficiency class				A++		A+
	Capacity		Pdesign	kW	3.32	4.36	4.71
	SCOP/A				4.90	4.29	4.00
	ηs,h			%		-	
	Annual energy consumption			kWh/a	949	1,426	1,646

Indoor unit				FCAG	35B	50B	60B
Dimensions	Unit	HeightxWidthxDepth		mm		204x840x840	
Weight	Unit			kg	18	19	
Air filter	Type					Resin net	
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels (F = fine mesh): BYCQ140EG(F) - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black		
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950		
	Weight			kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	8.7/10.6 /12.5	8.7/10.7 /12.6	8.7/11.2 /13.6
		Heating	Low/Medium/High	m^3/min	9.3/11.6 /13.9	8.7/10.7 /12.6	8.7/11.2 /13.6
Sound power level	Cooling			dBA	49		51
	Heating			dBA	49		51
Sound pressure level	Cooling	Low/High		dBA	27/31		28/33
	Heating	Low/High		dBA	27/31		28/33
Control systems	Infrared remote control				BRC7FA532F / BRC7FA532FB		
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		

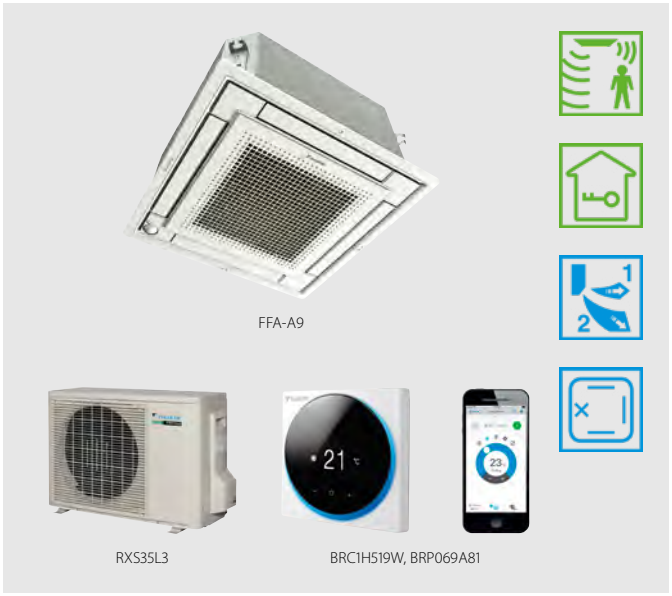
Outdoor unit				RXS	35L3	50L	60L
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	735x825x300	
Weight	Unit			kg	34	47	48
Sound power level	Cooling			dBA	61	62	
	Heating			dBA	61	62	
Sound pressure level	Cooling	Low/High		dBA	-/48	44/48	46/49
	Heating	Low/High		dBA	-/48	45/48	46/49
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type				R-410A		
	GWP				2,087.5		
	Charge			kg/TCO2Eq	1.2/2.5	1.7/3.5	1.5/3.1
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5	12.7	
	Piping length	OU - IU	Max.	m	20	30	
		System	Chargeless	m	10	-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		
	Level difference IU - OU		Max.	m	15	20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- Combination with split outdoor units is ideal for small retail, offices or residential applications
- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 630mm lift increases flexibility and installation speed



Efficiency data				FFA + RXS	25A + 25L3	35A + 35L3	50A + 50L	60A + 60L
Cooling capacity	Nom.			kW	2.50	3.40	5.00	5.70
Heating capacity	Nom.			kW	3.20	4.20	5.80	7.00
Space cooling	Energy efficiency class				A++		A+	
	Capacity		Pdesign	kW	2.50	3.40	5.00	5.70
	SEER				6.11	6.32	5.93	5.71
	ηs,c			%	-			
	Annual energy consumption			kWh/a	143	188	295	349
Space heating (Average climate)	Energy efficiency class				A+		A	A+
	Capacity		Pdesign	kW	2.31	3.10	3.84	3.96
	SCOP/A				4.24	4.10	3.90	4.04
	ηs,h			%	-			
	Annual energy consumption			kWh/a	763	1,059	1,378	1,373

Indoor unit				FFA	25A	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575			
Weight	Unit			kg	16.0		17.5	
Air filter	Type				Resin net			
Decoration panel	Model				BYFQ60C2W1W/BYFQ60C2W1S/BYFQ60B2W1/BYFQ60B3W1			
	Colour				White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)			
	Dimensions	HeightxWidthxDepth		mm	46x620x620x46x620x620x55x700x700x55x700x700			
	Weight			kg	2.8/2.8/2.7/2.7			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	6.5/8.0 /9.0	6.5/8.5 /10.0	7.5/10.0 /12.0	9.5/12.5 /14.5
		Heating	Low/Medium/High	m^3/min	6.5/8.0 /9.0	6.5/8.5 /10.0	7.5/10.0 /12.0	9.5/12.5 /14.5
Sound power level	Cooling			dBA	48	51	56	60
Sound pressure level	Cooling	Low/High		dBA	25.0/31.0	25.0/34.0	27.0/39.0	32.0/43.0
	Heating	Low/High		dBA	25.0/31.0	25.0/34.0	27.0/39.0	32.0/43.0
Control systems	Infrared remote control				BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)			
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			

Outdoor unit				RXS/RXS	25L3	35L3	50L	60L
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		735x825x300	
Weight	Unit			kg	34		47	48
Sound power level	Cooling			dBA	59	61	62	
	Heating			dBA	59	61	62	
Sound pressure level	Cooling	Low/High		dBA	-/46	-/48	44/48	46/49
	Heating	Low/High		dBA	-/47	-/48	45/48	46/49
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~18			
Refrigerant	Type				R-410A			
	GWP				2,087.5			
	Charge			kg/TCO2Eq	1.0/2.1	1.2/2.5	1.7/3.5	1.5/3.1
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.5		12.7	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10		-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15		20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Concealed ceiling unit

Compact concealed ceiling unit, with a height of only 200mm

- Combination with split outdoor units is ideal for small retail, offices or residential applications
- Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit



Efficiency data				FDXM + RXS	25F9 + 25L3	35F9 + 35L3	50F9 + 50L	60F9 + 60L
Cooling capacity	Nom.			kW	2.40	3.40	5.00	6.00
Heating capacity	Nom.			kW	3.20	4.00	5.80	7.00
Space cooling	Energy efficiency class				A+	A	A+	A
	Capacity	Pdesign		kW	2.40	3.40	5.00	6.00
	SEER				5.63	5.21	5.72	5.51
	ηs,c			%	-			
	Annual energy consumption			kWh/a	149	228	306	381
Space heating (Average climate)	Energy efficiency class				A+		A	
	Capacity	Pdesign		kW	2.60	2.90	4.00	4.60
	SCOP/A				4.24	3.88	3.93	3.80
	ηs,h			%	-			
	Annual energy consumption			kWh/a	858	1,047	1,425	1,693

Indoor unit				FDXM	25F9	35F9	50F9	60F9
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620		200x1,150x620	
Weight	Unit			kg	21		28	
Air filter	Type				Removable / washable			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	7.3/8.0 /8.7		13.3/14.6 /15.8	13.5/14.8 /16.0
		Heating	Low/Medium/High	m^3/min	7.3/8.0 /8.7		13.3/14.6 /15.8	13.5/14.8 /16.0
	External static pressure	Nom.		Pa	30		40	
Sound power level	Cooling			dBA	53		55	56
	Heating			dBA	53		55	56
Sound pressure level	Cooling	Low/High		dBA	27/35		30/38	
	Heating	Low/High		dBA	27/35		30/38	
Control systems	Infrared remote control				BRC4C65			
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			

Outdoor unit				RXS	25L3	35L3	50L	60L
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		735x825x300	
Weight	Unit			kg	34		47	48
Sound power level	Cooling			dBA	59	61	62	
	Heating			dBA	59	61	62	
Sound pressure level	Cooling	Low/High		dBA	-/46	-/48	44/48	46/49
	Heating	Low/High		dBA	-/47	-/48	45/48	46/49
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~18			
Refrigerant	Type				R-410A			
	GWP				2,087.5			
	Charge			kg/TCO2Eq	1.0/2.1	1.2/2.5	1.7/3.5	1.5/3.1
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.5		12.7	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10		-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15		20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			

Seasonal Smart

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Combination with Seasonal Smart ensures best in class quality, highest efficiency and performance
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



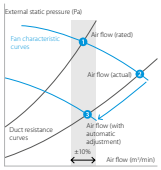
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed

Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



Efficiency data				FBA + RZQG	71A9 + 71L9V1	100A + 100L9V1	125A + 125L9V1	140A + 140L9V1	71A9 + 71L8Y1	100A + 100L8Y1	125A + 125L8Y1	140A + 140LY1
Cooling capacity	Nom.			kW	6.80	9.50	12.0	13.4	6.80	9.50	12.0	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++	A+	A++	-	A++	A+	A++	-
	Capacity		Pdesign	kW	6.80	9.50	12.0	13.4	6.80	9.50	12.0	13.4
	SEER				6.16	5.87	6.11	6.14	6.16	5.87	6.11	6.14
	ηs,c			%		-		242.7		-		242.7
	Annual energy consumption			kWh/a	386	566	687	1,309	386	566	687	1,309
Space heating (Average climate)	Energy efficiency class				A+	A++	A+	-	A+	A++	A+	-
	Capacity		Pdesign	kW	6.00	11.3	12.7	11.6	6.00	11.3	12.7	11.6
	SCOP/A				4.31	4.78	4.28	4.01	4.31	4.78	4.28	4.01
	ηs,h			%		-		157.3		-		157.3
	Annual energy consumption			kWh/a	1,949	3,310	4,154	4,043	1,949	3,310	4,154	4,043

Indoor unit				FBA	71A9	100A	125A	140A	71A9	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800			245x1,000x800	245x1,400x800		
Weight	Unit			kg	35.0	46.0			35.0	46.0		
Air filter	Type				Resin net							
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0		12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0	
		Heating	Low/Medium/High	m^3/min	12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0		12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0	
	External static pressure	Nom./High		Pa	30/150	40/150	50/150		30/150	40/150	50/150	
Sound power level	Cooling			dBA	56	58	62		56	58	62	
Sound pressure level	Cooling	Low/High		dBA	25.0/30.0	30.0/34.0	32.0/37.0		25.0/30.0	30.0/34.0	32.0/37.0	
	Heating	Low/High		dBA	25.0/31.0	30.0/36.0	32.0/38.0		25.0/31.0	30.0/36.0	32.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66							
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							

Outdoor unit				RZQG	71L9V1	100L9V1	125L9V1	140L9V1	71L8Y1	100L8Y1	125L8Y1	140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	69.0	95.0			80.0	101.0		
Sound power level	Cooling			dBA	64.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0
	Heating			dBA	64.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0							
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5							
Refrigerant	Type/GWP				R-410A/2,087.5							
	Charge			kg/TCO2Eq	2.9/6.05	4.0/8.35			2.9/6.05	4.0/8.35		
Piping connections	Liquid/Gas	OD		mm	9.52/15.9							
	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
			Chargeless	m	30							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference	IU - OU	Max.	m	30.0							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	25	40			16	25		

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Seasonal Classic

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Combination with Seasonal Classic ensures good value for money for all types of commercial applications
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



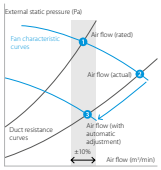
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed

Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



Efficiency data				FBA + RZQSG	71A9 + 71L3V1	100A + 100L9V1	125A + 125L9V1	140A + 140L9V1	100A + 100L8Y1	125A + 125L8Y1	140A + 140LY1
Cooling capacity	Nom.			kW	6.80	9.50	12.0	13.4	9.50	12.0	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+		A	-	A+	A	-
	Capacity		Pdesign	kW	6.80	9.50	12.0	13.4	9.50	12.0	13.4
	SEER				5.84	5.61	5.47	5.23	5.61	5.47	5.23
	ηs,c			%		-		206.3	-		206.3
	Annual energy consumption			kWh/a	408	593	768	1,537	593	768	1,537
Space heating (Average climate)	Energy efficiency class					A+		-	A+		-
	Capacity		Pdesign	kW	6.00	7.60		11.6	7.60		11.6
	SCOP/A				4.01	4.15	4.01	3.81	4.15	4.01	3.81
	ηs,h			%		-		149.3	-		149.3
	Annual energy consumption			kWh/a	2,095	2,564	2,653	4,255	2,564	2,653	4,255

Indoor unit				FBA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800					
Weight	Unit			kg	35.0	46.0					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0		23.0/26.0 /29.0	23.5/29.0 /34.0	
		Heating	Low/Medium/High	m³/min	12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0		23.0/26.0 /29.0	23.5/29.0 /34.0	
	External static pressure	Nom./High		Pa	30/150	40/150	50/150		40/150	50/150	
Sound power level	Cooling			dBA	56	58	62		58	62	
Sound pressure level	Cooling	Low/High		dBA	25.0/30.0	30.0/34.0	32.0/37.0		30.0/34.0	32.0/37.0	
	Heating	Low/High		dBA	25.0/31.0	30.0/36.0	32.0/38.0		30.0/36.0	32.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66						
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZQSG/RZQSG	71L3V1	100L9V1	125L9V1	140L9V1	100L8Y1	125L8Y1	140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	72.0	74.0	95.0	82.0		101.0
Sound power level	Cooling			dBA	65	70.0		69.0	70.0		69.0
	Heating			dBA	-	70.0		69.0	70.0		69.0
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/-	54/-	53/-		54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~46	-15.0~46.0					
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5	-15.0~15.5					
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	2.75/5.7	2.9/6.05		4.0/8.35	2.9/6.05		4.0/8.35
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	15	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	40			20		25

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Combination with split outdoor units is ideal for small retail, offices or residential applications
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



- Standard built-in drain pump with 625mm lift increases flexibility and installation speed

Efficiency data				FBA + RXS	35A9 + 35L3	50A9 + 50L	60A9 + 60L
Cooling capacity	Nom.			kW	3.40	5.00	5.70
Heating capacity	Nom.			kW	4.00	5.50	7.00
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++		A+
		Pdesign		kW	3.40	5.00	5.70
		SEER			6.17	6.21	5.86
		Annual energy consumption		kWh	193	282	340
	Heating (Average climate)	Energy efficiency class			A+		
		Pdesign		kW	2.90	4.40	4.60
		SCOP/A			4.07	4.06	4.01
		Annual energy consumption		kWh	998	1,517	1,606

Indoor unit				FBA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	245x700x800		245x1,000x800
Weight	Unit			kg	28.0		35.0
Air filter	Type				Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.5/12.5 /15.0		12.5/15.0 /18.0
		Heating	Low/Medium/High	m^3/min	10.5/12.5 /15.0		12.5/15.0 /18.0
	External static pressure	Nom./High		Pa	30/150		
Sound power level	Cooling			dBA	60		56
Sound pressure level	Cooling	Low/High		dBA	29.0/35.0		25.0/30.0
	Heating	Low/High		dBA	29.0/37.0		25.0/31.0
Control systems	Infrared remote control				BRC4C65 / BRC4C66		
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		

Outdoor unit				RXS/RXS	35L3	50L	60L
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	735x825x300	
Weight	Unit			kg	34	47	48
Sound power level	Cooling			dBA	61	62	
	Heating			dBA	61	62	
Sound pressure level	Cooling	Low/High		dBA	-/48	44/48	46/49
	Heating	Low/High		dBA	-/48	45/48	46/49
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type				R-410A		
	GWP				2,087.5		
	Charge			kg/TCO2Eq	1.2/2.5	1.7/3.5	1.5/3.1
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5	12.7	
	Piping length	OU - IU	Max.	m	20	30	
		System	Chargeless	m	10	-	
	Additional refrigerant charge			kg/m	0.020 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m	15	20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	1~/50/220-230-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

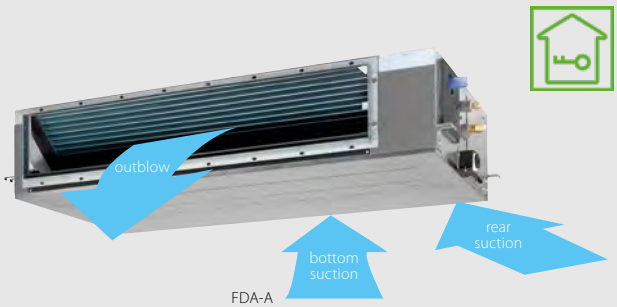
(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Seasonal Smart Seasonal Classic

Concealed ceiling unit with high ESP

ESP up to 200, ideal for large sized spaces

- High external static pressure up to 200Pa facilitates extensive duct and grille network
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Flexible installation, as the air suction direction can be altered from rear to bottom suction
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed



FDA-A


RZQG100-125-140L9V1/L(8)Y1




BRC1H519W, BRP069A81

					Seasonal smart - RZQG		Seasonal classic - RZQSG	
Efficiency data				**FDA**	**125A + 125L9V1**	**125A + 125L8Y1**	**125A + 125L9V1**	**125A + 125L8Y1**
Cooling capacity	Nom.			kW	12.0			
Heating capacity	Nom.			kW	13.5			
Space cooling	Energy efficiency class				A+		A	
	Capacity		Pdesign	kW	12.0			
	Annual energy consumption			kWh/a	723		808	
Space heating (Average climate)	Energy efficiency class				A+		A	
	Capacity		Pdesign	kW	12.7		7.60	
	Annual energy consumption			kWh/a	4,227		2,729	
Indoor unit				**FDA**	**125A**	**125A**	**125A**	**125A**
Dimensions	Unit	HeightxWidthxDepth		mm	300x1,400x700			
Weight	Unit			kg	45			
Required ceiling void >				mm	350			
Air filter	Type				Resin net			
Decoration panel	Model				BYBS125DJW1			
	Colour				White (10Y9/0.5)			
	Dimensions	HeightxWidthxDepth		mm	55x1,500x500			
	Weight			kg	6.5			
Fan	Air flow rate	Cooling	Low/High	m^3/min	28.0/39.0			
		Heating	Low/High	m^3/min	28.0/39.0			
	External static pressure	Nom./High		Pa	50/200			
Sound power level	Cooling			dBA	66			
Sound pressure level	Cooling	Low/High		dBA	33/40			
	Heating	Low/High		dBA	33/40			
Control systems	Infrared remote control				BRC4C65			
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			
Outdoor unit					**RZQG125L9V1**	**RZQG125L8Y1**	**RZQSG125L9V1**	**RZQSG125L8Y1**
Dimensions	Unit	HeightxWidthxDepth		mm	1,430x940x320		990x940x320	
Weight	Unit			kg	95.0	101.0	74.0	82.0
Sound power level	Cooling			dBA	67.0		70.0	
	Heating			dBA	67.0		70.0	
Sound pressure level	Cooling	Nom.		dBA	51		54	
	Heating	Nom.		dBA	53		58	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0		-15.0~46.0	
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5		-15.0~15.5	
Refrigerant	Type/GWP				R-410A/2,087.5			
	Charge			kg/TCO2Eq	4.0/8.35		2.9/6.05	
Piping connections	Liquid/Gas	OD		mm	952/15.9			
	Piping length	OU - IU	Max.	m	75		50	
		System	Equivalent	m	90		70	
			Chargeless	m	30			
	Additional refrigerant charge			kg/m	See installation manual			
	Level difference	IU - OU	Max.	m	30.0			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	3N~/50/380-415	1~/50/220-240	3N~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	40	25	40	20

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Concealed ceiling unit with high ESP

ESP up to 250, ideal for extra large sized spaces

› High external static pressure up to 250Pa facilitates using flexible ducts of varying lengths
› Discretely concealed in the ceiling: only the suction and discharge grilles are visible
› Up to 26.4kW in heating mode



FDQ-B



BRC1H519W

Indoor unit				FDQ	200B	250B
Cooling capacity	Total capacity	Nom.		kW	20.0	24.1
Heating capacity	Total capacity	Nom.		kW	23.0	26.4
Power input - 50Hz	Cooling	Nom.		kW	1.340	
	Heating	Nom.		kW	1.340	
Dimensions	Unit	HeightxWidthxDepth		mm	450x1,400x900	
Weight	Unit			kg	89.0	94.0
Required ceiling void >				mm	450	
Air filter	Type				Resin net	
Fan	Air flow rate	Cooling	Medium	m^3/min	69.0	89.0
		Heating	Medium	m^3/min	69.0	89.0
		Low/Nom./High		Pa	250/250/250	
Sound power level	Cooling			dBA	81.0	82.0
Sound pressure level	Cooling	High		dBA	45.0	47.0
	Heating	Low		dBA	45.0	47.0
Control systems	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230 +/-10%	

Concealed ceiling unit

Ideal for residential applications with false ceilings

- Energy efficient units: up to class A energy labels
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Slim indoor unit (300mm built-in height) suited for narrow ceiling installation
- Exclusively offered for pair applications
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- Standard drain pump kit



Efficiency data				ADEA + AZQS	ARXS71A + 71L	100A + 100B8V1	125A + 125B8V1
Cooling capacity	Nom.			kW	6.80	9.50	12.1
Heating capacity	Nom.			kW	7.50	10.8	13.5
Space cooling	Energy efficiency class				A	A	-
	Capacity		Pdesign	kW	6.80	9.50	12.1
	SEER				5.30	5.10	4.71
	ηs,c			%	-	-	185.3
	Annual energy consumption			kWh/a	449	652	1,543
Space heating (Average climate)	Energy efficiency class				A	A	-
	Capacity		Pdesign	kW	6.00	7.60	7.93
	SCOP/A				3.80	3.81	3.50
	ηs,h			%	-	-	137.2
	Annual energy consumption			kWh/a	2,210	2,793	3,167

Indoor unit				ADEA	71A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800	
Weight	Unit			kg	35	46	
Air filter	Type				Resin net	Resin net	
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0
		Heating	Low/Medium/High	m^3/min	12.5/15.0 /18.0	23.0/26.0 /29.0	23.5/29.0 /34.0
	External static pressure	Nom./High		Pa	30/150	40/150	50/150
Sound power level	Cooling			dBA	56	58	62
Sound pressure level	Cooling	Low/Nom./High		dBA	25/30/30	30/34/34	32/37/37
	Heating	Low/Nom./High		dBA	25/31/31	30/36/36	32/38/38
Control systems	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	1~/50/220-240	

Outdoor unit				ARXS/AZQS	ARXS71L	AZQS100B8V1	AZQS125B8V1
Dimensions	Unit	HeightxWidthxDepth		mm	735x825x300	990x940x320	
Weight	Unit			kg	47	72.8	74.3
Sound power level	Cooling			dBA	65	70.0	71.0
	Heating			dBA	65	70.0	71.0
Sound pressure level	Cooling	Nom.		dBA	52	53	54
	Heating	Nom.		dBA	52	57	58
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5.0~46.0	
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15.0~15.5	
Refrigerant	Type				R-410A	R-410A	
	GWP				2,087.5	2,087.5	
	Charge			kg/TCO2Eq	1.70/3.55	2.9/6.05	
Piping connections	Liquid	OD		mm	9.52	9.52	
	Gas	OD		mm	15.9	15.9	
	Piping length	OU - IU	Max.	m	30	50 / 30	
		System	Chargeless	m	10	30	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	See installation manual	
	Level difference	IU - OU	Max.	m	20.0	30.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-230-240	1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	-	32	

Concealed ceiling unit

Ideal for medium sized shops with false ceilings

- Ideal solution for busy retail and business environments and small shops
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Exclusively offered for pair applications
- Air filter removes airborne dust particles to ensure a steady supply of clean air
- Easy installation and maintenance
- Double protection drainage system ensures quality



ABQ-C



AZQS100-125B8V1/BY1



ARCWB

Efficiency data					**ABQ + AZQS**	**140C + 140B8V1**	**100C + 100BY1**	**125C + 125BY1**	**140C + 140BY1**
Cooling capacity	Nom.				kW	13.0	9.5	12.1	13.0
Heating capacity	Nom.				kW	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class					-	B	-	
	Capacity		Pdesign		kW	13.0	9.50	12.1	13.0
	SEER					5.01	4.65	4.68	5.01
	ηs,c				%	197.2	-	184.2	197.2
	Annual energy consumption				kWh/a	1,559	716	1,550	1,559
Space heating (Average climate)	Energy efficiency class					-	A	-	
	Capacity		Pdesign		kW	12.3	6.78	8.13	12.3
	SCOP/A					3.58	3.80	3.41	3.58
	ηs,h				%	140.0	-	133.3	140.0
	Annual energy consumption				kWh/a	4,811	2,498	3,340	4,811

Indoor unit					**ABQ**	**140C**	**100C**	**125C**	**140C**
Dimensions	Unit	HeightxWidthxDepth			mm	378x1,500x541	378x541x1,045	378x1,300x541	378x1,500x541
Weight	Unit				kg	56.0	44	50.0	56.0
Air filter						yes			
Fan	Air flow rate	Cooling	Low/Medium/High		m^3/min	37.9/44 /48.7	18.3/-/22.7	34.8/37 /40.5	37.9/44 /48.7
		Heating	Low/Medium/High		m^3/min	37.9/43.9 /48.7	18.3/-/22.7	34.8/37.4 /40.5	37.9/43.9 /48.7
	External static pressure	Low/Nom./High			Pa	92/122/150	45/57/70	111/128/150	92/122/150
		Maximum available	Medium/High		Pa	155/190			
Sound power level	Cooling				dBA	73	60	72	73
	Heating				dBA	73	60	72	73
Sound pressure level	Cooling	Low/Nom./High			dBA	50/-/55	36/38/41	50/-/53	50/-/55
	Heating	Low/Nom./High			dBA	50/-/55	36/38/41	50/-/53	50/-/55
Control systems	Infrared remote control					ARCWLA			
	Wired remote control					ARCWB			
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240			

Outdoor unit					**AZQS/AZQS**	**140B8V1**	**100BY1**	**125BY1**	**140BY1**
Dimensions	Unit	HeightxWidthxDepth			mm	1,430x940x320	990x940x320		1,430x940x320
Weight	Unit				kg	94.9	82		101.0
Sound power level	Cooling				dBA	70.0		71.0	70.0
	Heating				dBA	70.0	-	71.0	70.0
Sound pressure level	Cooling	Nom.			dBA	53		54	53
	Heating	Nom.			dBA	54	57	58	54
Operation range	Cooling	Ambient	Min.~Max.		°CDB	-5.0~46.0			
	Heating	Ambient	Min.~Max.		°CWB	-15.0~15.5			
Refrigerant	Type/GWP					R-410A/2,087.5			
	Charge				kg/TCO2Eq	4.0/8.35	2.9/6.1	2.9/6.05	4.0/8.35
Piping connections	Liquid/Gas	OD			mm	9.52/15.9			
	Piping length	OU - IU	Max.		m	50/30	50	50 / 30	
		System	Equivalent		m	70 / 40			
			Chargeless		m	30			
	Additional refrigerant charge				kg/m	See installation manual			
	Level difference	IU - OU	Max.		m	30.0			
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240	3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)				A	40	-	20	25

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Seasonal Smart

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Combination with Seasonal Smart ensures best in class quality, highest efficiency and performance
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit



FAA-A



RZQG100-125-140L9V1/L(8)Y1





BRC1H519W, BRP069A81

Efficiency data				**FAA + RZQG**	**71A + 71L9V1**	**100A + 100L9V1**	**71A + 71L8Y1**	**100A + 100L8Y1**
Cooling capacity	Nom.			kW	6.80	9.50	6.80	9.50
Heating capacity	Nom.			kW	7.50	10.8	7.50	10.8
Space cooling	Energy efficiency class				A++			
	Capacity		Pdesign	kW	6.80	9.50	6.80	9.50
	Annual energy consumption			kWh/a	371	545	371	545
Space heating	Energy efficiency class				A+			
(Average climate)	Capacity		Pdesign	kW	6.33	10.2	6.33	10.2
	Annual energy consumption			kWh/a	2,205	3,562	2,205	3,562
Indoor unit				**FAA**	**71A**	**100A**	**71A**	**100A**
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240	290x1,050x238	340x1,200x240
Weight	Unit			kg	13.0	17.0	13.0	17.0
Air filter	Type				-			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/16 /18.0	19.0/23 /26.0	14.0/16 /18.0	19.0/23 /26.0
		Heating	Low/Medium/High	m^3/min	14.0/16.0 /18.0	19.0/23.0 /26.0	14.0/16.0 /18.0	19.0/23.0 /26.0
Sound power level	Cooling			dBA	61	65	61	65
	Heating			dBA	61	65	61	65
Sound pressure	Cooling	Low/High		dBA	40/45	41/49	40/45	41/49
level	Heating	Low/High		dBA	40/45	41/49	40/45	41/49
Control systems	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Outdoor unit				**RZQG**	**71L9V1**	**100L9V1**	**71L8Y1**	**100L8Y1**
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320	990x940x320	1,430x940x320
Weight	Unit			kg	69.0	95.0	80.0	101.0
Sound power level	Cooling			dBA	64.0	66.0	64.0	66.0
	Heating			dBA	64.0	66.0	64.0	66.0
Sound pressure	Cooling	Nom.		dBA	48	50	48	50
level	Heating	Nom.		dBA	50	52	50	52
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0			
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5			
Refrigerant	Type/GWP				R-410A/2,087.5			
	Charge			kg/TCO2Eq	2.9/6.05	4.0/8.35	2.9/6.05	4.0/8.35
Piping connections	Liquid/Gas	OD		mm	9.52/15.9			
	Piping length	OU - IU	Max.	m	50	75	50	75
		System	Equivalent	m	70	90	70	90
			Chargeless	m	30			
	Additional refrigerant charge			kg/m	See installation manual			
	Level difference	IU - OU	Max.	m	30.0			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		3N~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	25	40	16	25

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Seasonal Classic

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Combination with Seasonal Classic ensures good value for money for all types of commercial applications
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit



FAA-A



RZQSG-L3/9V1,L(8)Y1





BRC1H519W, BRP069A81

Efficiency data				**FAA + RZQSG**	**71A + 71L3V1**	**100A + 100L9V1**	**100A + 100L8Y1**
Cooling capacity	Nom.			kW	6.80	9.50	
Heating capacity	Nom.			kW	7.50	10.8	
Space cooling	Energy efficiency class				A+		
	Capacity		Pdesign	kW	6.80	9.50	
	SEER				6.05	5.61	
	ηs,c			%	-		
	Annual energy consumption			kWh/a	394	593	
Space heating (Average climate)	Energy efficiency class				A	A+	
	Capacity		Pdesign	kW	6.33	6.81	
	SCOP/A				3.90	4.01	
	ηs,h			%	-		
	Annual energy consumption			kWh/a	2,155	2,378	

Indoor unit				**FAA**	**71A**	**100A**	**100A**
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240	
Weight	Unit			kg	13.0	17.0	
Air filter	Type				-		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/16 /18.0	19.0/23 /26.0	
		Heating	Low/Medium/High	m^3/min	14.0/16.0 /18.0	19.0/23.0 /26.0	
Sound power level	Cooling			dBA	61	65	
	Heating			dBA	61	65	
Sound pressure level	Cooling	Low/High		dBA	40/45	41/49	
	Heating	Low/High		dBA	40/45	41/49	
Control systems	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Outdoor unit				**RZQSG**	**71L3V1**	**100L9V1**	**100L8Y1**
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	
Weight	Unit			kg	67	72.0	82.0
Sound power level	Cooling			dBA	65	70.0	
	Heating			dBA	-	70.0	
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/-	
	Heating	Nom.		dBA	51	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~46	-15.0~46.0	
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5	-15.0~15.5	
Refrigerant	Type/GWP				R-410A/2,087.5		
	Charge			kg/TCO2Eq	2.75/5.7	2.9/6.05	
Piping connections	Liquid/Gas	OD		mm	9.52/15.9		
	Piping length	OU - IU	Max.	m	50		
		System	Equivalent	m	70		
			Chargeless	m	30		
	Additional refrigerant charge			kg/m	See installation manual		
	Level difference	IU - OU	Max.	m	15	30.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		3N~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	20	40	20

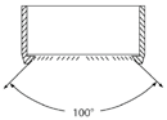
(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Seasonal Smart

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

- Combination with Seasonal Smart ensures best in class quality, highest efficiency and performance
- Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



- Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



- 5 different fan speeds available for maximum comfort
- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



FHA-A(9)

RZQG100-125-140L9V1/L(8)Y1

BRC1H519W, BRP069A81

Efficiency data				FHA + RZQG	71A9 + 71L9V1	100A + 100L9V1	125A + 125L9V1	140A + 140L9V1	71A9 + 71L8Y1	100A + 100L8Y1	125A + 125L8Y1	140A + 140LY1
Cooling capacity	Nom.			kW	6.80	9.50	12.0	13.4	6.80	9.50	12.0	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++		A+	-	A++		A+	-
	Capacity		Pdesign	kW	6.80	9.50	12.0	13.4	6.80	9.50	12.0	13.4
	SEER				6.86	6.11	6.01	6.22	6.86	6.11	6.01	6.22
	ηs,c			%		-		246.0		-		246.0
	Annual energy consumption			kWh/a	347	545	699	1,292	347	545	699	1,292
Space heating (Average climate)	Energy efficiency class				A+	A++	A+	-	A+	A++	A+	-
	Capacity		Pdesign	kW	7.60	11.3	14.1	11.6	7.60	11.3	14.1	11.6
	SCOP/A				4.32	4.61	4.23	4.22	4.32	4.61	4.23	4.22
	ηs,h			%		-		165.9		-		165.9
	Annual energy consumption			kWh/a	2,463	3,432	4,677	3,851	2,463	3,432	4,677	3,851

Indoor unit				FHA	71A9	100A	125A	140A	71A9	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	235x1,270x690	235x1,590x690			235x1,270x690	235x1,590x690		
Weight	Unit			kg	32.0	38.0			32.0	38.0		
Air filter	Type				Resin net							
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/17.0 /20.5	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0	14.0/17.0 /20.5	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0
		Heating	Low/Medium/High	m^3/min	14.0/17.0 /20.5	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0	14.0/17.0 /20.5	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0
Sound power level	Cooling			dBA	55	60	62	64	55	60	62	64
Sound pressure level	Cooling	Low/High		dBA	34/38	34/42	37/44	38/46	34/38	34/42	37/44	38/46
	Heating	Nom./High		dBA	36/38	38/42	41/44	42/46	36/38	38/42	41/44	42/46
Control systems	Infrared remote control				BRC7G53							
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240							

Outdoor unit				RZQG/RZQG	71L9V1	100L9V1	125L9V1	140L9V1	71L8Y1	100L8Y1	125L8Y1	140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	69.0	95.0			80.0	101.0		
Sound power level	Cooling			dBA	64.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0
	Heating			dBA	64.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0							
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5							
Refrigerant	Type/GWP				R-410A/2,087.5							
	Charge			kg/TCO2Eq	2.9/6.05	4.0/8.35			2.9/6.05	4.0/8.35		
Piping connections	Liquid/Gas	OD		mm	9.52/15.9							
	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
			Chargeless	m	30							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference	IU - OU	Max.	m	30.0							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	25	40			16	25		

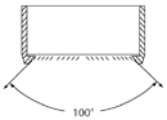
(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Seasonal Classic

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

- Combination with Seasonal Classic ensures good value for money for all types of commercial applications
- Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



- Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



- 5 different fan speeds available for maximum comfort
- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



FHA-A(9)

RZQSG71-125L3/9V1/L(8)Y1

BRC1H519W, BRP069A81

Efficiency data				FHA + RZQSG	71A9 + 71L3V1	100A + 100L9V1	125A + 125L9V1	140A + 140L9V1	100A + 100L8Y1	125A + 125L8Y1	140A + 140LY1
Cooling capacity	Nom.			kW	6.80	9.50	12.0	13.4	9.50	12.0	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class					A+		-	A+		-
	Capacity		Pdesign	kW	6.80	9.50	12.0	13.4	9.50	12.0	13.4
	SEER							5.61			
	ηs,c			%		-		221.4	-		221.4
	Annual energy consumption			kWh/a	425	593	749	1,434	593	749	1,434
Space heating (Average climate)	Energy efficiency class				A		A+	-	A	A+	-
	Capacity		Pdesign	kW		7.60		11.6	7.60		11.6
	SCOP/A				3.90	3.91	4.01	3.72	3.91	4.01	3.72
	ηs,h			%		-		145.6	-		145.6
	Annual energy consumption			kWh/a	2,727	2,722	2,654	4,376	2,722	2,654	4,376

Indoor unit				FHA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	235x1,270x690	235x1,590x690					
Weight	Unit			kg	32.0	38.0					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/17.0 /20.5	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0
		Heating	Low/Medium/High	m^3/min	14.0/17.0 /20.5	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0
Sound power level	Cooling			dBA	55	60	62	64	60	62	64
Sound pressure level	Cooling	Low/High		dBA	34/38	34/42	37/44	38/46	34/42	37/44	38/46
	Heating	Nom./High		dBA	36/38	38/42	41/44	42/46	38/42	41/44	42/46
Control systems	Infrared remote control				BRC7G53						
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240						

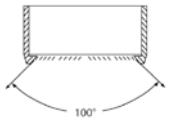
Outdoor unit				RZQSG/RZQSG	71L3V1	100L9V1	125L9V1	140L9V1	100L8Y1	125L8Y1	140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	72.0	74.0	95.0	82.0		101.0
Sound power level	Cooling			dBA	65	70.0		69.0	70.0		69.0
	Heating			dBA	-	70.0		69.0	70.0		69.0
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/-	54/-	53/-		54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~46	-15.0~46.0					
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5	-15.0~15.5					
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	2.75/5.7	2.9/6.05		4.0/8.35	2.9/6.05		4.0/8.35
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference IU - OU		Max.	m	15	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	40			20		25

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

› Combination with split outdoor units is ideal for small retail, offices or residential applications
› Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



› Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
› Can easily be installed in both new and refurbishment projects
› Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



› 5 different fan speeds available for maximum comfort
› Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



FHA-A9

RXS25-35L3

BRC1H519W, BRP069A81

Efficiency data				FHA + RXS	50A9 + 50L	60A9 + 60L	35A9 + 35L3
Cooling capacity	Nom.			kW	5.00	5.70	3.40
Heating capacity	Nom.			kW	6.00	7.20	4.00
Space cooling	Energy efficiency class				A+		A++
	Capacity		Pdesign	kW	5.00	5.70	3.40
	SEER				5.87	6.02	6.18
	ηs,c			%	298	332	193
	Annual energy consumption			kWh/a		-	
Space heating (Average climate)	Energy efficiency class				A		A+
	Capacity		Pdesign	kW	4.35	4.71	3.10
	SCOP/A				3.86	3.87	4.43
	ηs,h			%	1,578	1,705	981
	Annual energy consumption			kWh/a		-	

Indoor unit				FHA	50A9	60A9	35A9
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690	235x1,270x690	235x960x690
Weight	Unit			kg	25.0	31.0	24.0
Air filter	Type				Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.0/12.0 /15.0	11.5/15.0 /19.5	10.0/11.5 /14.0
		Heating	Low/Medium/High	m^3/min	10.0/12.0 /15.0	11.5/15.0 /19.5	10.0/11.5 /14.0
Sound power level	Cooling			dBA	54		53
Sound pressure level	Cooling	Low/High		dBA	32/37	33/37	31/36
	Heating	Nom./High		dBA	35/37		34/36
Control systems	Infrared remote control				BRC7GA53 / BRC7GA56		
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Outdoor unit				RXS	50L	60L	35L3
Dimensions	Unit	HeightxWidthxDepth		mm	735x825x300		550x765x285
Weight	Unit			kg	47	48	34
Sound power level	Cooling			dBA	62		61
	Heating			dBA	62		61
Sound pressure level	Cooling	Low/High		dBA	44/48	46/49	-/48
	Heating	Low/High		dBA	45/48	46/49	-/48
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type				R-410A		
	GWP				2,087.5		
	Charge			kg/TCO2Eq	1.7/3.5	1.5/3.1	1.2/2.5
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	12.7		9.5
	Piping length	OU - IU	Max.	m	30		20
		System	Chargeless	m	-		10
	Additional refrigerant charge			kg/m	0.020 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m	20.0		15
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-230-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter(earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

- Ideal solution for commercial spaces with no or narrow false ceilings
- Exclusively offered for pair applications
- Can easily be installed in both new and refurbishment projects
- Air filter removes airborne dust particles to ensure a steady supply of clean air
- Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
- Easy installation and maintenance



AHQ-C



AZQS71BV1



ARCWLA

Efficiency data				**AHQ + AZQS**	**71C + 71BV1**	**100C + 100B8V1**	**125C + 125B8V1**	**140C + 140B8V1**	**100C + 100BY1**	**125C + 125BY1**	**140C + 140BY1**
Cooling capacity	Nom.			kW	6.8	9.5	12.1	13.0	9.5	12.1	13.0
Heating capacity	Nom.			kW	7.5	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				B		-		B	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER				4.65	4.60	5.14	5.77	4.60	5.14	5.77
	ηs,c			%	-		202.7	227.6	-	202.7	227.6
	Annual energy consumption			kWh/a	511.85	723	1,412	1,353	723	1,412	1,353
Space heating (Average climate)	Energy efficiency class				A		-		A	-	
	Capacity		Pdesign	kW	6.33	7.60	7.99	12.0	7.60	7.99	12.0
	SCOP/A				3.80		3.78	3.99	3.80	3.78	3.99
	ηs,h			%	-		148.0	156.7	-	148.0	156.7
	Annual energy consumption			kWh/a	2,332.26	2,800	2,964	4,199	2,800	2,964	4,199

Indoor unit				**AHQ**	**71C**	**100C**	**125C**	**140C**	**100C**	**125C**	**140C**
Dimensions	Unit	HeightxWidthxDepth		mm	260x1,320x634	260x1,538x634	260x1,790x634	285x1,900x680	260x1,538x634	260x1,790x634	285x1,900x680
Weight	Unit			kg	38	45	65.0	70.0	45	65.0	70.0
Air filter	Type				Removable / washable						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	18.9/-/23.8	24.8/-/31.1	27.2/31 /34.4	28.3/39 /43.9	24.8/-/31.1	27.2/31 /34.4	28.3/39 /43.9
		Heating	Low/Medium/High	m^3/min	18.9/-/23.8	24.8/-/31.1	27.2/30.6 /34.4	28.3/39.1 /43.9	24.8/-/31.1	27.2/30.6 /34.4	28.3/39.1 /43.9
Sound power level	Cooling			dBA	59	64	65	71	64	65	71
	Heating			dBA	62	64	65	71	64	65	71
Sound pressure level	Cooling	Low/Nom./High		dBA	46/48/49	46/47/52	49/-/52	46/-/56	46/47/52	49/-/52	46/-/56
	Heating	Low/Nom./High		dBA	46/48/49	46/47/52	49/-/52	46/-/56	46/47/52	49/-/52	46/-/56
Control systems	Infrared remote control				ARCWLA						
	Wired remote control				ARCWB						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240						

Outdoor unit				**AZQS/AZQS**	**71BV1**	**100B8V1**	**125B8V1**	**140B8V1**	**100BY1**	**125BY1**	**140BY1**
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	72.8	74.3	94.9	82		101.0
Sound power level	Cooling			dBA	64	70.0	71.0	70.0		71.0	70.0
	Heating			dBA	-	70.0	71.0	70.0	-	71.0	70.0
Sound pressure level	Cooling	Nom.		dBA	48	53	54	53		54	53
	Heating	Nom.		dBA	50	57	58	54	57	58	54
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	2.75/5.7	2.9/6.05		4.0/8.35	2.9/6.1	2.9/6.05	4.0/8.35
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50 / 30						
		System	Equivalent	m	70 / 40						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference IU - OU		Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	-	32		40	-	20	25

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

UNIQUE

Seasonal Smart

4-way blow ceiling suspended unit

Unique Daikin unit for high rooms with no false ceilings nor free floor space

- Combination with Seasonal Smart ensures best in class quality, highest efficiency and performance
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- 5 different discharge angles between 0 and 60°can be programmed via the remote control
- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- Standard drain pump with 500mm lift increases flexibility and installation speed



FUA-A

RZQG100-125-140L9V1/L(8)Y1

BRC1H519W, BRP069A81

Efficiency data					**FUA + RZQG**	**71A + 71L9V1**	**100A + 100L9V1**	**125A + 125L9V1**	**71A + 71L8Y1**	**100A + 100L8Y1**	**125A + 125L8Y1**
Cooling capacity	Nom.			kW		6.80	9.50	12.0	6.80	9.50	12.0
Heating capacity	Nom.			kW		7.50	10.8	13.5	7.50	10.8	13.5
Space cooling	Energy efficiency class					A++		A+	A++		A+
	Capacity		Pdesign	kW		6.80	9.50	12.0	6.80	9.50	12.0
	SEER					6.42	6.11	5.61	6.42	6.11	5.61
	Annual energy consumption			kWh/a		371	545	749	371	545	749
Space heating (Average climate)	Energy efficiency class					A+					
	Capacity		Pdesign	kW		7.60	11.3	14.1	7.60	11.3	14.1
	SCOP/A					4.20	4.50	4.44	4.20	4.50	4.44
	Annual energy consumption			kWh/a		2,534	3,516	4,456	2,534	3,516	4,456
Indoor unit					**FUA**	**71A**	**100A**	**125A**	**71A**	**100A**	**125A**
Dimensions	Unit	HeightxWidthxDepth		mm		198x950x950					
Weight	Unit			kg		25.0	26.0		25.0	26.0	
Air filter	Type					Resin net					
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min		16.0/19.5 /23.0	20.0/25.5 /31.0	20.5/26.5 /32.5	16.0/19.5 /23.0	20.0/25.5 /31.0	20.5/26.5 /32.5
		Heating	Low/Medium/High	m^3/min		16.0/19.5 /23.0	20.0/25.5 /31.0	20.5/26.5 /32.5	16.0/19.5 /23.0	20.0/25.5 /31.0	20.5/26.5 /32.5
Sound power level	Cooling			dBA		59	64	65	59	64	65
	Heating			dBA		59	64	-	59	64	-
Sound pressure level	Cooling	Low/High		dBA		35/41	39/46	40/47	35/41	39/46	40/47
	Heating	Low/High		dBA		35/41	39/46	40/47	35/41	39/46	40/47
Control systems	Wired remote control					BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52					
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/60 / 220-240/220					
Outdoor unit					**RZQG/RZQG**	**71L9V1**	**100L9V1**	**125L9V1**	**71L8Y1**	**100L8Y1**	**125L8Y1**
Dimensions	Unit	HeightxWidthxDepth		mm		990x940x320	1,430x940x320		990x940x320	1,430x940x320	
Weight	Unit			kg		69.0	95.0		80.0	101.0	
Sound power level	Cooling			dBA		64.0	66.0	67.0	64.0	66.0	67.0
	Heating			dBA		64.0	66.0	67.0	64.0	66.0	67.0
Sound pressure level	Cooling	Nom.		dBA		48	50	51	48	50	51
	Heating	Nom.		dBA		50	52	53	50	52	53
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-15.0~50.0					
	Heating	Ambient	Min.~Max.	°CWB		-20.0~15.5					
Refrigerant	Type/GWP					R-410A/2,087.5					
	Charge			kg/TCO2Eq		2.9/6.05	4.0/8.35		2.9/6.05	4.0/8.35	
Piping connections	Liquid/Gas	OD		mm		9.52/15.9					
	Piping length	OU - IU	Max.	m		50	75		50	75	
		System	Equivalent	m		70	90		70	90	
			Chargeless	m		30					
	Additional refrigerant charge			kg/m		See installation manual					
	Level difference IU - OU		Max.	m		30.0					
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240			3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A		25	40		16	25	

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

UNIQUE

Seasonal Classic

4-way blow ceiling suspended unit

Unique Daikin unit for high rooms with no false ceilings nor free floor space

- Combination with Seasonal Classic ensures good value for money for all types of commercial applications
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- 5 different discharge angles between 0 and 60°can be programmed via the remote control
- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- Standard drain pump with 500mm lift increases flexibility and installation speed



Efficiency data				FUA + RZQSG	71A + 71L3V1	100A + 100L9V1	125A + 125L9V1	100A + 100L8Y1	125A + 125L8Y1
Cooling capacity	Nom.			kW	6.80	9.50	12.0	9.50	12.0
Heating capacity	Nom.			kW	7.50	10.8	13.5	10.8	13.5
Space cooling	Energy efficiency class				A+		A	A+	A
	Capacity		Pdesign	kW	6.80	9.50	12.0	9.50	12.0
	SEER				5.81	5.61	5.30	5.61	5.30
	Annual energy consumption			kWh/a	410	593	793	593	793
Space heating (Average climate)	Energy efficiency class				A	A+	A	A+	A
	Capacity		Pdesign	kW	6.33	7.60			
	SCOP/A				3.90	4.01	3.85	4.01	3.85
	Annual energy consumption			kWh/a	2,273	2,654	2,764	2,654	2,764

Indoor unit				FUA	71A	100A	125A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950				
Weight	Unit			kg	25.0	26.0			
Air filter	Type				Resin net				
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	16.0/19.5 /23.0	20.0/25.5 /31.0	20.5/26.5 /32.5	20.0/25.5 /31.0	20.5/26.5 /32.5
		Heating	Low/Medium/High	m^3/min	16.0/19.5 /23.0	20.0/25.5 /31.0	20.5/26.5 /32.5	20.0/25.5 /31.0	20.5/26.5 /32.5
Sound power level	Cooling			dBA	59	64	65	64	65
	Heating			dBA	59	64	-	64	-
Sound pressure level	Cooling	Low/High		dBA	35/41	39/46	40/47	39/46	40/47
	Heating	Low/High		dBA	35/41	39/46	40/47	39/46	40/47
Control systems	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60 / 220-240/220				

Outdoor unit				RZQSG/RZQSG	71L3V1	100L9V1	125L9V1	100L8Y1	125L8Y1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320			
Weight	Unit			kg	67	72.0	74.0	82.0	
Sound power level	Cooling			dBA	65	70.0			
	Heating			dBA	-	70.0			
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/-	54/-	53/-	54/-
	Heating	Nom.		dBA	51	57	58	57	58
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~46	-15.0~46.0			
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5	-15.0~15.5			
Refrigerant	Type/GWP				R-410A/2,087.5				
	Charge			kg/TCO2Eq	2.75/5.7	2.9/6.05			
Piping connections	Liquid/Gas	OD		mm	9.52/15.9				
	Piping length	OU - IU	Max.	m	50				
		System	Equivalent	m	70				
			Chargeless	m	30				
	Additional refrigerant charge			kg/m	See installation manual				
	Level difference IU - OU		Max.	m	15	30.0			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			3N~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	40		20	

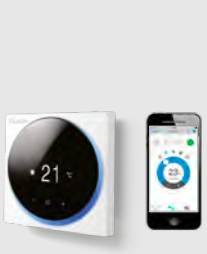
(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Seasonal Smart

Floor standing unit

For commercial spaces with high ceilings

- Combination with Seasonal Smart ensures best in class quality, highest efficiency and performance
- Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
- Improved comfort as a result of better airflow distribution from the vertical out blow which allows manual adjustment of air outlet blades at the top of the unit.
- Selectable horizontal out blow to better suit the layout of the room (via wired remote controller BRC1E*/BRC1H*)



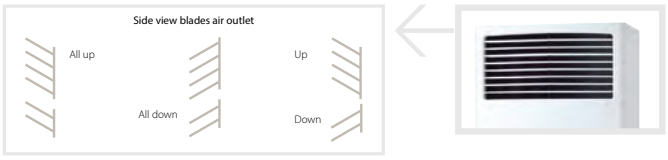
BRC1H519W, BRP069A81



RZQG100-140L9V1/L(8)Y1



FVA-A



Efficiency data				FVA + RZQG	71A + 71L9V1	100A + 100L9V1	125A + 125L9V1	140A + 140L9V1	71A + 71L8Y1	100A + 100L8Y1	125A + 125L8Y1	140A + 140LY1
Cooling capacity	Nom.			kW	6.80	9.50	12.0	13.4	6.80	9.50	12.0	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++	A+		-	A++	A+		-
	Capacity		Pdesign	kW	6.80	9.50	12.0	13.4	6.80	9.50	12.0	13.4
	SEER				6.23	5.61		5.89	6.23	5.61		5.89
	ηs,c			%	-			232.6	-			232.6
	Annual energy consumption			kWh/a	383	593	749	1,365	383	593	749	1,365
Space heating (Average climate)	Energy efficiency class				A+		A	-	A+		A	-
	Capacity		Pdesign	kW	6.33	11.3		11.5	6.33	11.3		11.5
	SCOP/A				4.05	4.20	3.87	3.88	4.05	4.20	3.87	3.88
	ηs,h			%	-			152.4	-			152.4
	Annual energy consumption			kWh/a	2,189	3,767	4,088	4,132	2,189	3,767	4,088	4,132

Indoor unit				FVA	71A	100A	125A	140A	71A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350			1,850x600x270	1,850x600x350		
Weight	Unit			kg	42	50			42	50		
Air filter	Type				Resin net							
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14/16 /18	22/25 /28	24/26 /28	26/28 /30	14/16 /18	22/25 /28	24/26 /28	26/28 /30
		Heating	Low/Medium/High	m^3/min	14/16 /18	22/25 /28	24/26 /28	26/28 /30	14/16 /18	22/25 /28	24/26 /28	26/28 /30
Sound power level	Cooling			dBA	55	62	63	65	55	62	63	65
Sound pressure level	Cooling	Low/High		dBA	38/43	44/50	46/51	48/53	38/43	44/50	46/51	48/53
	Heating	Nom./High		dBA	41/43	47/50	48/51	51/53	41/43	47/50	48/51	51/53
Control systems	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							

Outdoor unit				RZQG/RZQG	71L9V1	100L9V1	125L9V1	140L9V1	71L8Y1	100L8Y1	125L8Y1	140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	69.0	95.0			80.0	101.0		
Sound power level	Cooling			dBA	64.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0
	Heating			dBA	64.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0							
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5							
Refrigerant	Type/GWP				R-410A/2,087.5							
	Charge			kg/TCO2Eq	2.9/6.05	4.0/8.35			2.9/6.05	4.0/8.35		
Piping connections	Liquid/Gas	OD		mm	9.52/15.9							
	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
			Chargeless	m	30							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference IU - OU		Max.	m	30.0							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	25	40			16	25		

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

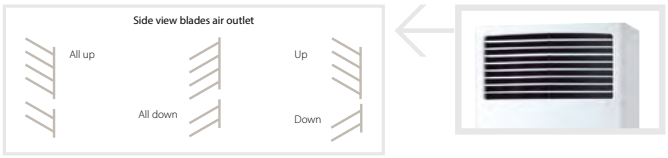
Seasonal Classic

Floor standing unit

For commercial spaces with high ceilings

- Combination with Seasonal Classic ensures good value for money for all types of commercial applications
- Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
- Improved comfort as a result of better airflow distribution from the vertical out blow which allows manual adjustment of air outlet blades at the top of the unit.
- Selectable horizontal out blow to better suit the layout of the room (via wired remote controller BRC1E*/BRC1H*)





Efficiency data				FVA + RZQSG	71A + 71L3V1	100A + 100L9V1	125A + 125L9V1	140A + 140L9V1	100A + 100L8Y1	125A + 125L8Y1	140A + 140LY1
Cooling capacity	Nom.			kW	6.80	9.50	12.0	13.4	9.50	12.0	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class					A		-	A		-
	Capacity		Pdesign	kW	6.80	9.50	12.0	13.4	9.50	12.0	13.4
	SEER					5.50		5.31	5.50		5.31
	ηs,c			%		-		209.3	-		209.3
	Annual energy consumption			kWh/a	433	605	764	1,515	605	764	1,515
Space heating (Average climate)	Energy efficiency class				A	A+	A	-	A+	A	-
	Capacity		Pdesign	kW	6.33	7.60		11.5	7.60		11.5
	SCOP/A				3.86	4.01	3.85	3.69	4.01	3.85	3.69
	ηs,h			%		-		144.6	-		144.6
	Annual energy consumption			kWh/a	2,297	2,654	2,764	4,350	2,654	2,764	4,350

Indoor unit				FVA	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350					
Weight	Unit			kg	42	50					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14/16 /18	22/25 /28	24/26 /28	26/28 /30	22/25 /28	24/26 /28	26/28 /30
		Heating	Low/Medium/High	m^3/min	14/16 /18	22/25 /28	24/26 /28	26/28 /30	22/25 /28	24/26 /28	26/28 /30
Sound power level	Cooling			dBA	55	62	63	65	62	63	65
Sound pressure level	Cooling	Low/High		dBA	38/43	44/50	46/51	48/53	44/50	46/51	48/53
	Heating	Nom./High		dBA	41/43	47/50	48/51	51/53	47/50	48/51	51/53
Control systems	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZQSG	71L3V1	100L9V1	125L9V1	140L9V1	100L8Y1	125L8Y1	140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	72.0	74.0	95.0	82.0		101.0
Sound power level	Cooling			dBA	65	70.0		69.0	70.0		69.0
	Heating			dBA	-	70.0		69.0	70.0		69.0
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/-	54/-	53/-		54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	2.75/5.7	2.9/6.05		4.0/8.35	2.9/6.05		4.0/8.35
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	15	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	40			20		25

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Concealed floor standing unit

Designed to be concealed in walls

› Combination with split outdoor units is ideal for small retail, offices or residential applications
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› Requires very little installation space as the depth is only 200mm
› Its low height (620 mm) enables the unit to fit perfectly beneath a window
› High ESP allows flexible installation



FNA-A9



RXS25-35L3



BRC1H519W



BRP069A81

Efficiency data				**FNA + RXS**	**25A9 + 25L3**	**35A9 + 35L3**	**50A9 + 50L**	**60A9 + 60L**
Cooling capacity	Nom.			kW	2.60	3.40	5.00	6.00
Heating capacity	Nom.			kW	3.20	4.00	5.80	7.00
Space cooling	Energy efficiency class					A+		A
	Capacity		Pdesign	kW	2.60	3.40	5.00	6.00
	SEER				5.63	5.65	5.72	5.51
	ηs,c			%		-		
	Annual energy consumption			kWh/a	162	211	306	381
Space heating (Average climate)	Energy efficiency class					A+		
	Capacity		Pdesign	kW	2.80	2.90	4.00	4.60
	SCOP/A				4.24	4.05	4.09	4.16
	ηs,h			%		-		
	Annual energy consumption			kWh/a	925	1,002	1,369	1,548

Indoor unit				**FNA**	**25A9**	**35A9**	**50A9**	**60A9**
Dimensions	Unit	HeightxWidthxDepth		mm	620 / 720 / 720x790x200		620 / 720 / 720x1,190x200	
Weight	Unit			kg	23.0		30.0	
Air filter	Type				Resin net			
Fan	Air flow rate	Cooling	Low/High	m^3/min	7.3/8.7		13.5/16.0	
		Heating	Low/High	m^3/min	7.3/8.7		13.5/16.0	
	External static pressure	Nom./High		Pa	30/48		40/49	
Sound power level	Cooling			dBA	53		56	
Sound pressure level	Cooling	Low/Nom./High		dBA	28/31/33		30/33/36	
	Heating	Low/Nom./High		dBA	28/31/33		30/33/36	
Control systems	Infrared remote control				BRC4C65			
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			

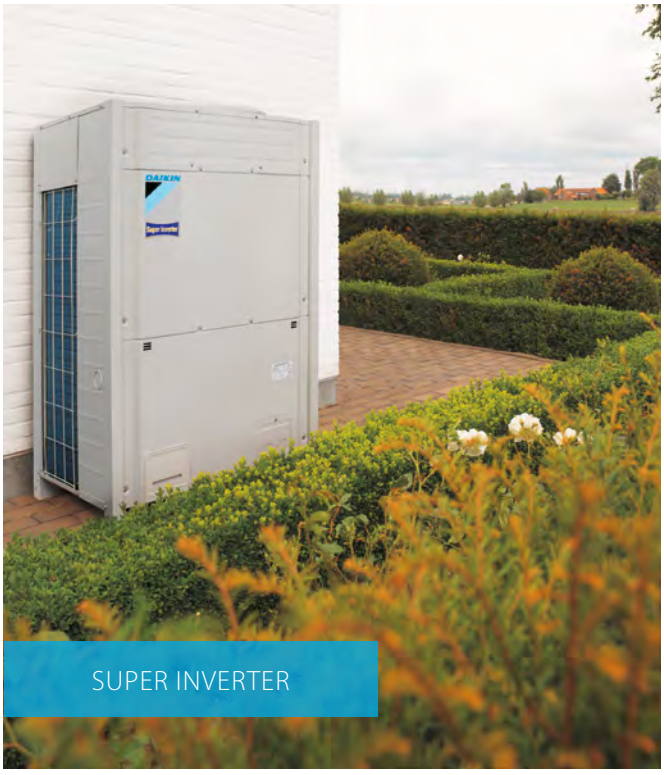
Outdoor unit				**RXS**	**25L3**	**35L3**	**50L**	**60L**
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		735x825x300	
Weight	Unit			kg	34		47	48
Sound power level	Cooling			dBA	59	61	62	
	Heating			dBA	59	61	62	
Sound pressure level	Cooling	Low/High		dBA	-/46	-/48	44/48	46/49
	Heating	Low/High		dBA	-/47	-/48	45/48	46/49
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~18			
Refrigerant	Type				R-410A			
	GWP				2,087.5			
	Charge			kg/TCO2Eq	1.0/2.1	1.2/2.5	1.7/3.5	1.5/3.1
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.5		12.7	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10		-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15		20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			



SKY AIR ALPHA-SERIES



SKY AIR ADVANCE-SERIES



SUPER INVERTER

Outdoor units

A range of industry leading technology outdoor units

Products overview 318
Benefits overview 319

Sky Air A-series 320

R-32 BLUEVOLUTION range 322

NEW RZAG-A / MV1 / MY1 Sky Air Alpha-series 322
RZASG-MV1/MY1 Sky Air Advance-series 323
NEW ARXM-N9 /AZAS-MV1/MY1 Sky Air Active-series 324

R-410A range 326

RZQG-L9V1/L(8)Y1 Seasonal Smart 326
RZQSG-L3/L9V1/LY1 Seasonal Classic 327
ARXS-L(3) /AZQS-B8V1/BY1 328
RZQ-C Super Inverter 329

Multi model and VRV range

See Split or VRV chapter

Rooftop 330

UATYQ-ABAY1 330
UATYQ-AFC2Y1 330
UATYQ-AFC3Y1 330
UATYQ-CY1 334
UATYP-AY1(B) 335

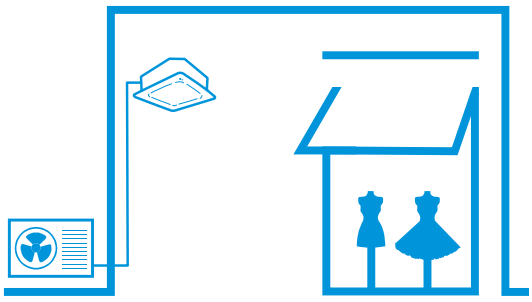
Options & Accessories 336

THE ENERGY AWARDS 17 — Headline Sponsor Resource Data Management — REWARDING EXCELLENCE IN THE ENERGY BUSINESS — WINNER

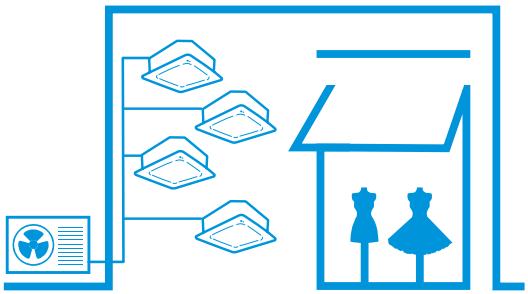
NATIONAL ACR HEAT PUMP AWARDS 2018 winner

WINNER — iac COOLING INDUSTRY AWARDS 17 — CLIMATE CENTER

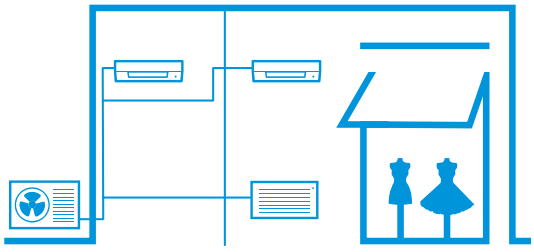
Pair solution



Twin, triple, double twin solution



Multi solution



Products overview outdoor units

Pair, twin, triple & double twin application

BLUEVOLUTION R-32 SkyAir A-series

Capacity clas

System	Type	Model	Product name	PG	35	50	60	71	100	125	140
					3.5 kW	5.0 kW	6.0 kW	6.8 kW	9.5 kW	12.1 kW	13.4 kW
Air cooled	Heat pump	**SkyAir Alpha-series** R-32 A++ (A+++ - D) - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature (RZAG-M* series) - Maximum piping length up to 85m (50m for RZAG35-50-60) - Replacement technology - Extended operation range down to -20°C in both heating and cooling - Pair, twin, triple and double twin application (RZAG-M* series)	RZAG-A RZAG-MV1	322	NEW	NEW	NEW				
NEW			RZAG-MY1	322							
		SkyAir Advance-series R-32 A+ (A+++ - D) - Technology and comfort combined for commercial applications - Very compact and easy to install outdoor units - Maximum piping length up to 50m - Replacement technology - Operation range down to -15°C both cooling and in heating - Pair, twin, triple and double twin application	RZASG-MV1	323							
			RZASG-MY1	323							
		SkyAir Active-series R-32 A (A+++ - D) - Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to 30m - Replacement technology - Easy-to-mount outdoor units: roof, terrace or wall - Exclusively offered for pair applications	ARXM-N9 AZAS-MV1	324				NEW			
			AZAS-MY1	324							

Pair, twin, triple & double twin application

R-410A SkyAir

System	Type	Model	Product name	PG	71	100	125	140	200	250
Air cooled	Heat pump	Seasonal Smart A++ (A+++ - D) - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature - Maximum piping length up to 75m - Re-use technology - Extended operation range down to -20°C in heating and -15°C in cooling - Pair, twin, triple and double twin application	RZQG-L9V1	326						
			RZQG-L(8)Y1	326						
		Seasonal Classic A+ (A+++ - D) - Technology and comfort combined for commercial applications - Maximum piping length up to 50m - Re-use technology - Operation range down to -15°C both cooling and in heating - Pair, twin, triple and double twin application	RZQSG-L3/ L9V1	327						
			RZQSG-L(8)Y1	327						
		Standard outdoor unit A (A+++ - D) - Ideal solution for busy environments and small shops - Easy-to-mount outdoor units: roof, terrace or wall - Outdoor units with swing or scroll compressor - Exclusively offered for pair applications	AZQS-B8V1	328						
			AZQS-BY1	328						
		Super Inverter - Packaged system for commercial applications - For large commercial applications - Re-use technology - Pair, twin, triple and double twin applications	RZQ-C	329						

Benefits overview outdoor units

			Sky Air Alpha-series RZAG-A / MV1 / MY1	Sky Air Advance-series RZASG-MV1 / MY1	Sky Air Active-series AZAS-MV1 / MY1	RZQG-L9V1/ L(8)Y1-	RZQSG-L3/9V1/L(8)Y1	AZQS-B8V1/BY1	RZQ-C
									
We care icons	Seasonal efficiency - Smart use of energy	Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season.	A++ (A+++ - D)	A+ (A+++ - D)	A (A+++ - D)	A++ (A+++ - D)	A+ (A+++ - D)	A (A+++ - D)	●
	Inverter technology	Inverter compressors continuously adjust compressor speed to actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures.	●	●	●	●	●	●	●
	Replacement technology	Quick and quality system replacement in the most cost effective way	●	●	●	●	●	●	●
Comfort	Night quiet	Lowers the operation sound of the outdoor unit automatically.	●	●	●	●	●		
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.	●	●	●	●	●	●	●
Other functions	Variable refrigeration temperature	The intelligent systems ensures highest energy savings with additional comfort to better suit application requirements.	● (1)			●			
	Twin/triple/double twin application	2, 3 or 4 indoor units can be connected to only 1 outdoor unit. All indoor units operate within the same mode (cooling or heating) from one remote control.	● (1)	●		●	●		●
	Swing compressor	Outdoor units are fitted with a swing compressor, renowned for its low noise and high reliability	●	●	●	●	●	●	●
	Guaranteed operation down to -20°C	Daikin is suitable for all climates, even withstanding severe winter conditions with an operation range down to -20°C.	●			●			
	Infrastructure cooling	For high sensible, infrastructure cooling applications, dedicated infrastructure cooling settings and allowing asymmetric combinations enhance the system's reliability.	●			●			

Technical benefit overview Sky Air A-series

	Sky Air Alpha-series	Sky Air Advance-series	Sky Air Active-series
Compact single fan casing on the entire range		●	●
Maximum piping length	85m (RZAG-MV1/MY1) / 50m (RZAG-A)	50 m	30 m
Pivoting front plate	● (1)	●	●
7 segment display	● (1)	●	●
Increased factory charge	●		
Integrated leak check	● (1)		
Refrigerant bottom plate pass	● (1)		
Specially deveoloped R-32 swing compressor	●	●	●
Refrigerant cooled PCB	● (1)	●	●
Intelligent Tablet controller - Online controller app	●	●	●

(1) Not available on RZAG35-50-60A



The new Sky Air A-series, built for all Sky Air applications

Lighter and more compact units for easy installation. Unique single fan range up to 14 kW



Full range below 1m in height!

New replacement technology

A quicker, easier and more reliable approach when replacing existing systems

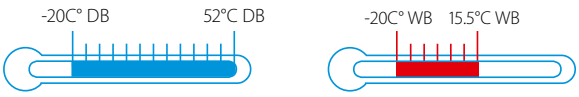
› Hepta filtration ensures reliable operation without the need for pipe cleaning



Increased piping length up to 85m

Widest operation range

› Cooling operation from -20°C to 52°C
› Heating operation down to -20°C



Faster installation **with up to 40m pre-charged pipe**

› Up to 60% of applications can be installed without additional refrigerant charge



Redesigned **pivoting front plate** for easy access to vital system components



New **7-segment display** to view errors and systems settings



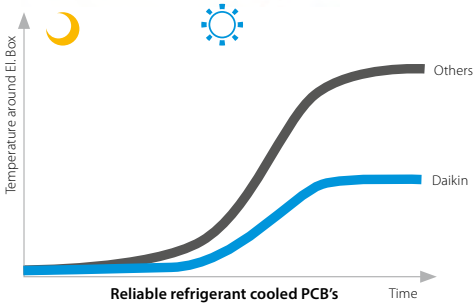
Guaranteed **reliable performance in all weather conditions**

New refrigerant passes
Lower part of the outdoor heat exchanger and drain holes are kept completely open and free of ice allowing ice water to evacuate perfectly, eliminating all risk of ice build-up.



bottom plate refrigerant pass

› **Refrigerant cooled PCB's**
Reliable and stable cooling, independent from outdoor conditions



Integrated **leak-check function** reduces on-site checks and improves reliability

Daikin Sky Air A-series uses patented Daikin technology at the heart of the system

3-row heat exchanger
› Unqiue 3-row heat exchanger to allow compact casing up to 14 kW



Jigsaw curved propeller
› Curved discharge grill and Jigsaw curved propeller for minimal turbulence and optimal airflow





Bottom plate and heat exchanger refrigerant pass
› Drain holes are kept ice free
› Guaranteed operation down to -20°C



Refrigerant cooled PCB

Daikin swing compressor

R-32

Integration of main moving parts into one component

› No abrasion or friction
› No refrigerant leakages
› No temperature rise because of leakage

UNIQUE & PATENTED TECHNOLOGY

› High compressor efficiencies
› Increased system life span





R-32

SkyAir Alpha-series BLUEVOLUTION

Sky Air Alpha-series

Industry leading technology for commercial applications and even for technical rooms

- Top efficiency:
  - Energy labels up to A++ in both cooling and heating
  - compressor offers substantial efficiency improvements
- The perfect balance in efficiency and comfort thanks to Variable Refrigerant Temperature: top seasonal efficiency throughout most of the year and quick reaction speed on the hottest days.
- Suits high sensible, infrastructure cooling applications
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in both heating and cooling mode down to -20°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- Maximum piping length up to 85m (50m for RZAG35, 50, 60A)
- Outdoor units for pair, twin, triple, double twin application



RZAG100-140MV1_MY1

Comfort cooling combination table

NEW

		FCAHG-H				FCAG-B							FFA-A9			FDA-A	FDXM-F9			FBA-A(9)							FHA-A(9)							FAA-A		FTXM-N				FUA-A			FNA-A9			FVA-A			
capacity class		71	100	125	140	35	50	60	71	100	125	140	35	50	60	125	35	50	60	35	50	60	71	100	125	140	35	50	60	71	100	125	140	71	100	35	50	60	71	71	100	125	35	50	60	71	100	125	140
RZAG35A						P							P				P			P							P									P							P						
RZAG50A							P							P				P			P							P									P							P						
RZAG60A								P							P				P			P							P									P							P				
RZAG71MV1	RZAG71MY1	P				2			P				2				2			2			P				2			P				P						P			2			P			
RZAG100MV1	RZAG100MY1		P			3	2			P			3	2			3	2		3	2			P			3	2			P			P						P			3	2			P		
RZAG125MV1	RZAG125MY1			P		4	3	2			P		4	3	2	P	4	3	2	4	3	2			P		4	3	2			P								P			4	3	2			P	
RZAG140MV1	RZAG140MY1	2			P	4	3		2			P	4	3			4	3		4	3		2			P	4	3		2			P	2						2			4	3		2			P

P = pair application ; 2/3/4 = twin/tripple/double twin application

Infrastructure cooling combination table

NEW

		FTXM-N				FAA-A		FHA-A(9)						FBA-A(9)							FDXM-F9			FUA-A			FNA-A9			FVA-A				FFA-A9			FCAHG-H				FCAG-B						
capacity class		35	50	60	71	100	125	35	50	60	71	100	140	35	50	60	71	100	125	140	35	50	60	71	100	125	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140
RZAG35A			P						P						P							P						P							P							P						
RZAG50A				P						P						P							P						P							P							P					
RZAG60A					P						P						P							P						P							P							P			
RZAG71MV1	RZAG71MY1					P		3	2			P		3	2			P			3	2			P						P			3	2			P			3	2			P		
RZAG100MV1	RZAG100MY1				2			4	3		2			P	4	3		2			P	4	3		2						2			P	4	3		2			P	4	3		2			P
RZAG125MV1	RZAG125MY1				2			4	3		2			P	4	3		2			P	4	3		2						2			P	4	3		2			P	4	3		2			P
RZAG140MV1	RZAG140MY1				2			4	3		2			P	4	3		2			P	4	3		2						2			P	4	3		2			P	4	3		2			P

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin; For more information on infrastructure cooling options refer to infrastructure cooling catalogue.

More details and final information can be found on **my.daikin.eu**

RZAG-A RZAG-MV1 RZAG-MY1

NEW

Outdoor unit				RZAG	35A	50A	60A	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401			990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	52			70	92			70	92		
Sound power level	Cooling			dBA	62	63	64	64	66	69	70	65	66	69	70
	Heating			dBA	-			-		69	70	-		69	70
Sound pressure level	Cooling	Nom.		dBA	48	49	50	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA	-			49	51	52		49	51	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 / +52			-20~52							
	Heating	Ambient	Min.~Max.	°CWB	-20 / +24			-20~18.0							
Refrigerant	Type/GWP				R32 / 675			R-32/675							
	Charge			kg/TCO2Eq	-			2.95/1.99	3.75/2.53			2.95/1.99	3.75/2.53		
Piping connections	Liquid/Gas	OD		mm	-			9.52/15.9							
	Piping length	OU - IU	Max.	m	-			55	85			55	85		
		System	Equivalent	m	50			75	100			75	100		
			Chargeless	m	30			40							
	Additional refrigerant charge			kg/m	-			See installation manual							
	Level difference IU - OU		Max.	m	30			30.0							
Power supply	Phase/Frequency/Voltage			Hz/V	Single / 50 / 230			1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	20	20	32			16			

R-32

SkyAir Advance-series BLUEVOLUTION

Sky Air Advance-series

Technology and comfort combined for commercial applications

› High efficiency:
  • Energy labels up to A++ (cooling) / A+ (heating)
  • compressor offers substantial efficiency improvements
› Very compact and easy to install
› Replace existing systems with R-32 technology without needing to replace the piping



› Guarantees operation in both heating and cooling mode down to -15°C
› Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
› Maximum piping length up to 50m, minimum piping length has no limitation
› Outdoor units for pair, twin, triple, double twin application



RZASG100-140MV1_MY1

Pair, twin, triple and double twin application

		FCAG-B							FFA-A9			FDXM-F9			FBA-A(9)						
capacity class		35	50	60	71	100	125	140	35	50	60	35	50	60	35	50	60	71	100	125	140
RZASG71MV1		2			P				2			2			2			P			
RZASG100MV1	RZASG100MY1	3	2			P			3	2		3	2		3	2			P		
RZASG125MV1	RZASG125MY1	4	3	2			P		4	3	2	4	3	2	4	3	2			P	
RZASG140MV1	RZASG140MY1	4	3		2			P	4	3		4	3		4	3		2			P

		FDA-A	FHA-A(9)							FUA-A			FAA-A		FVA-A				FNA-A9		
capacity class		125	35	50	60	71	100	125	140	71	100	125	71	100	71	100	125	140	35	50	60
RZASG71MV1			2			P				P			P		P				2		
RZASG100MV1	RZASG100MY1		3	2			P				P			P		P			3	2	
RZASG125MV1	RZASG125MY1	P	4	3	2			P				P					P		4	3	2
RZASG140MV1	RZASG140MY1		4	3		2			P	2			2		2			P	4	3	

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin

More details and final information can be found on **my.daikin.eu**

RZASG-MV1

RZASG-MY1

Outdoor unit				RZASG/RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	952/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		16		

R-32

SkyAir Active-series BLUEVOLUTION

Sky Air Active-series

Ideal solution for busy environments and small shops

- High efficiency:
  - Energy labels up to A+ (cooling) / A (heating)
  - compressor offers substantial efficiency improvements
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has a lower refrigerant charge
- Very compact and easy to install
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in heating mode down to -15°C and in cooling mode down to -5°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature (AZAS only).
- Piping length up to 30m
- Exclusively offered for pair applications



AZAS100-140MV1_MY1

Pair application

NEW

	FCAG-B				FBA-A(9)				FAA-A				ADEA-A		
Capacity class	71	100	125	140	71	100	125	140	71	100	125	140	71	100	125
NEW ARXM-N9	P				P				P				P		
AZAS-MV1		P	P	P		P	P	P		P				P	P
AZAS-MY1		P	P	P		P	P	P		P					

P = pair application

More details and final information can be found on **my.daikin.eu**

AZAS-MV1

AZAS-MY1

NEW

Outdoor unit				AZAS	ARXM71N9	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320					
Weight	Unit			kg	50	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	65	-	71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	52	53		54	53		54
	Heating	Nom.		dBA	52	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~24	-15~15.5					
Refrigerant	Type/GWP				R-32/675	R-32/675					
	Charge			kg/TCO2Eq	-	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9	9.52/15.9					
	Piping length	OU - IU	Max.	m	-	30					
		System	Equivalent	m	-	50					
			Chargeless	m	-	30					
	Additional refrigerant charge			kg/m	-	See installation manual					
	Level difference	IU - OU	Max.	m	-	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	1~/50/220-240			3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	32		16		

*Note: blue cells contain preliminary data



Seasonal Smart

Pair, Twin, Triple, double twin

Industry leading technology for commercial applications and even for technical rooms

› Top efficiency:
- energy labels up to A++ in both cooling and heating
- compressor that offers substantial efficiency improvements
- control logic that optimises efficiency at the most frequently encountered operating conditions and that optimises the auxiliary modes (when the unit is not active)
- heat exchangers that optimise the refrigerant flow at the most frequent operating conditions (temperature and load)
- via improved nominal performances

› The perfect balance in efficiency and comfort thanks to Variable Refrigerant Temperature: top seasonal efficiency throughout most of the year and quick reaction speed on the hottest days.

Variable Refrigerant Temperature

› Suits high sensible, infrastructure cooling applications

› Replace existing systems with R-32 technology without needing to replace the piping



RZQG100-125-140L9V1/L(8)Y1

› Extended operation range down to -20°C in heating and down to -15°C in cooling

› With a gas cooled PCB reliable cooling is guaranteed as it is not influenced by ambient temperature

› Maximum piping length up to 75m, minimum piping length is 5m.

Comfort cooling combination table

		FCAHG-H				FCAG-B							FFA-A9			FDA-A	FDXM-F9			FBA-A(9)							FHA-A(9)							FAA-A		FUA-A			FNA-A9			FVA-A			
capacity class		71	100	125	140	35	50	60	71	100	125	140	35	50	60	125	35	50	60	35	50	60	71	100	125	140	35	50	60	71	100	125	140	71	100	71	100	125	35	50	60	71	100	125	140
RZQG71L9V1	RZQG71L8Y1					2			P				2				2			2			P				2			P				P		P			2			P			
RZQG100L9V1	RZQG100L8Y1		P			3	2			P			3	2			3	2		3	2			P			3	2			P				P		P			3	2			P		
RZQG125L9V1	RZQG125L8Y1			P		4	3	2			P		4	3	2	P	4	3	2	4	3	2			P		4	3	2			P					P	4	3	2			P	
RZQG140L9V1	RZQG140LY1	2			P	4	3		2			P	4	3			4	3		4	3		2			P	4	3		2			P	2		2			4	3					P

P = pair application ; 2/3/4 = twin/tripple/double twin application

Infrastructure cooling combination table

		FAA-A		FHA-A(9)							FBA-A(9)							FDXM-F9			FUA-A			FVA-A				FFA-A9			FCAHG-H				FCAG-B							
capacity class		71	100	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140
RZQG71L9V1	RZQG71L8Y1		P	3	2			P			3	2			P			3	2			P			P			3	2			P			3	2			P		
RZQG100L9V1	RZQG100L8Y1	2		4	3		2			P	4	3		2			P	4	3		2					P	4	3		2			P	4	3		2			P
RZQG125L9V1	RZQG125L8Y1	2		4	3		2			P	4	3		2			P	4	3		2					P	4	3		2			P	4	3		2			P
RZQG140L9V1	RZQG140LY1	2		4	3		2			P	4	3		2			P	4	3		2					P	4	3		2			P	4	3		2			P

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin; For more information on infrastructure cooling options refer to infrastructure cooling catalogue.

Outdoor unit				RZQG	71L9V1	100L9V1	125L9V1	140L9V1	71L8Y1	100L8Y1	125L8Y1	140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit			kg	69.0	95.0			80.0	101.0		
Sound power level	Cooling			dBA	64.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0
	Heating			dBA	64.0	66.0	67.0	69.0	64.0	66.0	67.0	69.0
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	48	50	51	52
	Heating	Nom.		dBA	50	52	53		50	52	53	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0							
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5							
Refrigerant	Type/GWP				R-410A/2,087.5							
	Charge			kg/TCO2Eq	2.9/6.05	4.0/8.35			2.9/6.05	4.0/8.35		
Piping connections	Liquid/Gas	OD		mm	9.52/15.9							
	Piping length	OU - IU	Max.	m	50	75			50	75		
		System	Equivalent	m	70	90			70	90		
			Chargeless	m	30							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference	IU - OU	Max.	m	30.0							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	25	40			16	25		

Seasonal Classic

Pair, Twin, Triple, double twin

Technology and comfort combined for commercial applications

› Top efficiency:
- Energy labels up to A++ (cooling) /A+ (heating) for RZQG71/100L9V1 + FCQG71/100F
- compressor that offers substantial efficiency improvements
- control logic that optimises efficiency at the most frequently encountered operating conditio

› Replace existing systems with R-32 technology without needing to replace the piping

› Guarantees operation in both heating and cooling mode down to -15°C

› With a gas cooled PCB reliable cooling is guaranteed as it is not influenced by ambient temperature

› Maximum piping length up to 50m, minimum piping length is 5m.



RZQSG71-100-125L3/9V1

Pair, twin, triple and double twin application

		FCAHG-H				FCAG-B							FFA-A9			FDXM-F9			FBA-A(9)						
capacity class		71	100	125	140	35	50	60	71	100	125	140	35	50	60	35	50	60	35	50	60	71	100	125	140
RZQSG71L3V1		P				2			P				2			2			2			P			
RZQSG100L9V1	RZQSG100L8Y1		P			3	2			P			3	2		3	2		3	2			P		
RZQSG125L9V1	RZQSG125L8Y1			P		4	3	2			P		4	3	2	4	3	2	4	3	2			P	
RZQSG140L9V1	RZQSG140LY1	2			P	4	3		2			P	4	3		4	3		4	3		2			P

		FDA-A	FHA-A(9)							FUA-A			FAA-A		FVA-A				FNA-A9		
capacity class		125	35	50	60	71	100	125	140	71	100	125	71	100	71	100	125	140	35	50	60
RZQSG71L3V1			2			P				P			P		P				2		
RZQSG100L9V1	RZQSG100L8Y1		3	2			P				P			P		P			3	2	
RZQSG125L9V1	RZQSG125L8Y1	P	4	3	2			P				P					P		4	3	2
RZQSG140L9V1	RZQSG140LY1		4	3		2			P	2			2					P	4	3	

Outdoor unit				RZQSG	71L3V1	100L9V1	125L9V1	140L9V1	100L8Y1	125L8Y1	140LY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	72.0	74.0	95.0	82.0		101.0
Sound power level	Cooling			dBA	65	70.0		69.0	70.0		69.0
	Heating			dBA	-	70.0		69.0	70.0		69.0
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/-	54/-	53/-		54/-	53/-
	Heating	Nom.		dBA	51	57	58	54	57	58	54
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~46.0						
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.5						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	2.75/5.7	2.9/6.05		4.0/8.35	2.9/6.05		4.0/8.35
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	15	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	40			20		25

Outdoor units

Ideal solution for small shops

› Outdoor units are fitted with either a swing or scroll compressor, renowned for low noise and high energy efficiency
› Exclusively offered for pair applications (capacity from 71 up to 140)



AZQS100-125B8V1_BY1

Pair application

	FCAG-B				ADEA-A				ABQ-C				AHQ-C			
Capacity class	71	100	125	140	71	100	125	140	71	100	125	140	71	100	125	140
AZQS-B(8)V1	P	P	P	P	combines with ARXS	P	P					P	P	P	P	P
AZQS-BY1		P	P	P						P	P	P		P	P	P

Outdoor unit				AZQS	ARXS71L	71BV1	100B8V1	125B8V1	140B8V1	100BY1	125BY1	140BY1
Dimensions	Unit	HeightxWidthxDepth		mm		770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg		67	72.8	74.3	94.9	82		101.0
Sound power level	Cooling			dBA		64	70.0	71.0	70.0		71.0	70.0
	Heating			dBA		-	70.0	71.0	70.0	-	71.0	70.0
Sound pressure level	Cooling	Nom.		dBA		48	53	54	53		54	53
	Heating	Nom.		dBA		50	57	58	54	57	58	54
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-5.0~46.0						
	Heating	Ambient	Min.~Max.	°CWB		-15.0~15.5						
Refrigerant	Type/GWP					R-410A/2,087.5						
	Charge			kg/TCO2Eq		2.75/5.7	2.9/6.05		4.0/8.35	2.9/6.1	2.9/6.05	4.0/8.35
Piping connections	Liquid/Gas	OD		mm		9.52/15.9						
	Piping length	OU - IU	Max.	m		50 / 30						
		System	Equivalent	m		70 / 40						
			Chargeless	m		30						
	Additional refrigerant charge			kg/m		See installation manual						
	Level difference IU - OU		Max.	m		30.0						
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240				3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A		-	32		40	-	20	25

Pair, Twin, Triple, double twin

Packaged system for commercial applications

› Available as 20 and 25kW
› Replace existing systems with R-32 technology without needing to replace the piping



› Guarantees operation in heating mode down to -15°C
› Standard night quiet mode
› Maximum piping length up to 100m
› Maximum installation height difference up to 30m
› Wide range of connectable indoor units

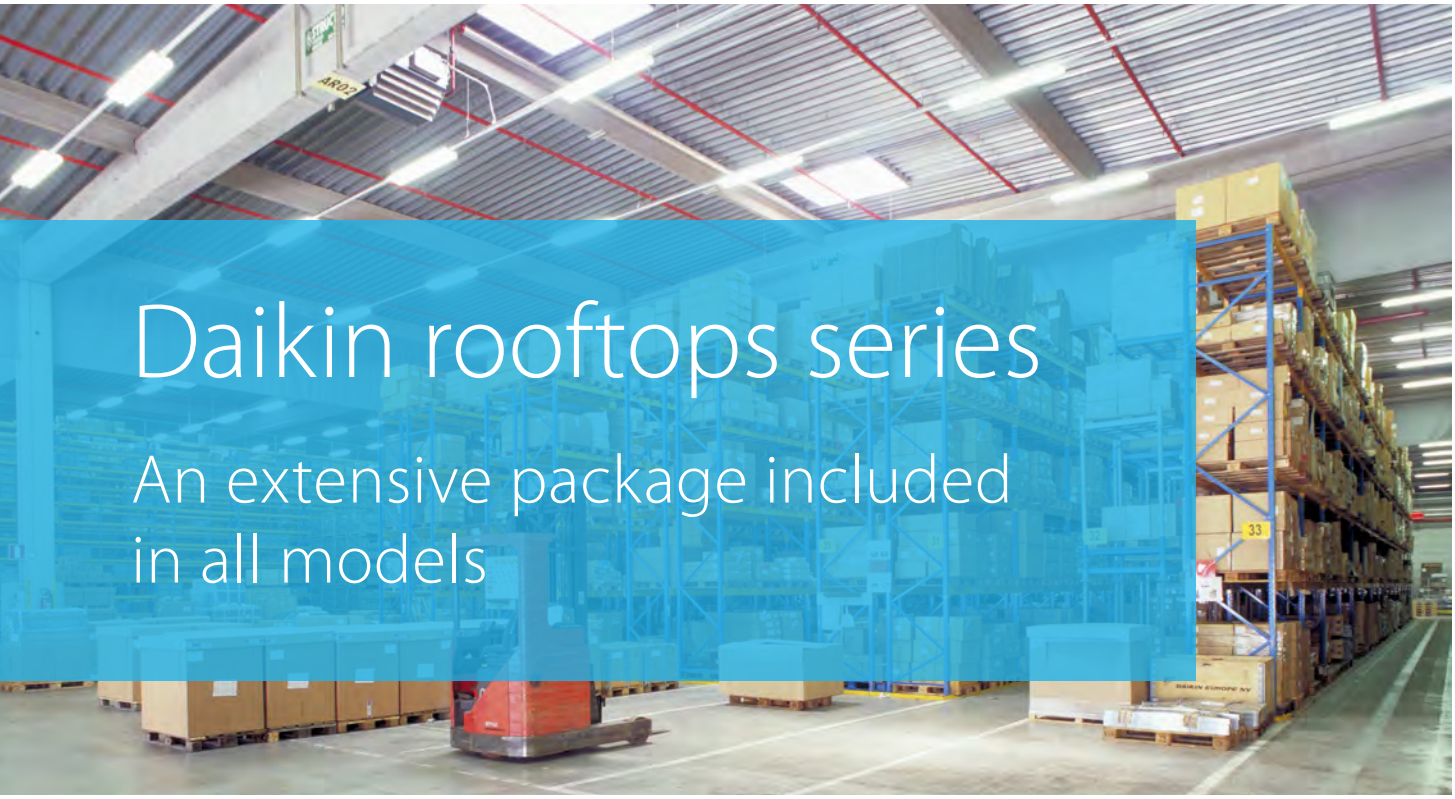


RZQ200-250C

Pair, twin, triple and double twin application

	FCAG-B					FFA-A9		FDXM-F9		FBA-A(9)					FHA-A(9)					FDQ-B		FUA-A			FAA-A		FDA-A	FNA-A9	
capacity class	50	60	71	100	125	50	60	50	60	50	60	71	100	125	50	60	71	100	125	200	250	71	100	125	71	100	125	50	60
RZQ200C	4	3	3	2		4	3	4	3	4	3	3	2		4	3	3	2		P		3	2		3	2		4	3
RZQ250C		4			2		4		4		4			4		2			2		P			2			2		4

Outdoor unit				**RZQ**	**200C**	**250C**
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x930x765	
Weight	Unit			kg	183.0	184.0
Sound power level	Cooling			dBA	78.0	
	Heating			dBA	78.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46.0	
	Heating	Ambient	Min.~Max.	°CWB	-15.0~15.0	
Refrigerant	Type/GWP				R-410A/2,087.5	
	Charge			kg/TCO2Eq	8.3/17.3	9.3/19.4
Piping connections	Liquid/Gas	OD		mm	9.52/22.2	12.7/22.2
	Piping length	OU - IU	Max.	m	100	
		System	Equivalent	m	-	
			Chargeless	m	-	
	Additional refrigerant charge			kg/m	-	
	Level difference IU - OU		Max.	m	-	
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	25	



Daikin rooftops series

An extensive package included in all models

TÜV NORD

ErP compliant 2018

3 years warranty

1 Standard integrated high efficiency EC plug fans

› Static pressure up to 300Pa
› Inverter controlled
› Maintenance free

2 Standard flexible air delivery

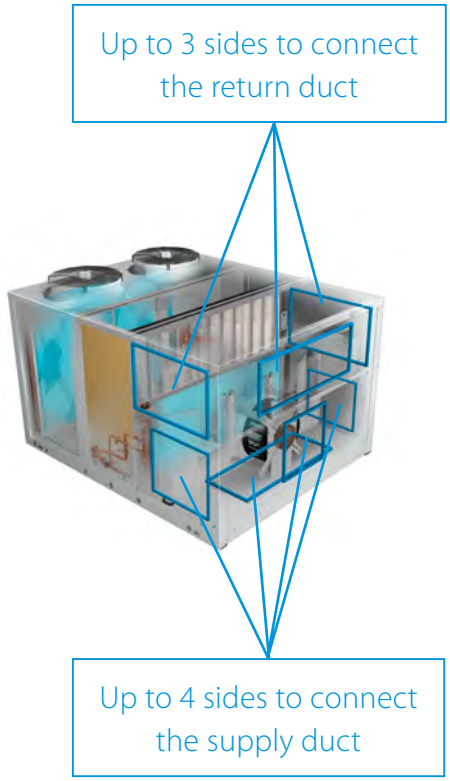
› Up to 4 possible sides can be selected on site (front, left, right, bottom)

3 Latest pCO^5 controller

› Direct integration into Daikin intelligent Touch Manager BMS (via optional BACnet protocol)
› Easy integration in 3rd party BMS systems
  › Standard Modbus protocol
  › Optional BACnet protocol

4 Standard clogged filter alarm

› Indicates when a filter requires cleaning
› Improved indoor air quality and efficiency



5 Hydrophilic coated aluminium fins on indoor and outdoor side

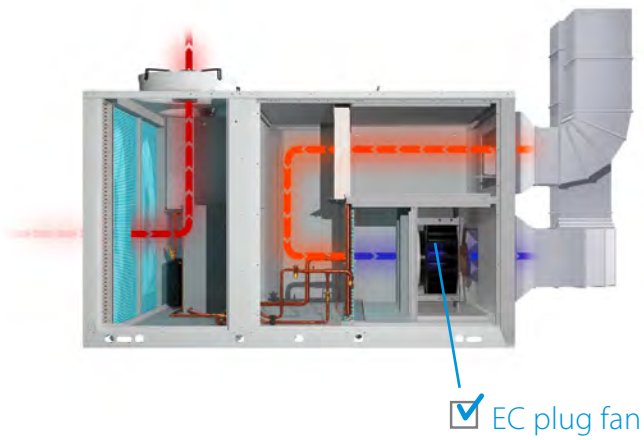
UATYQ-ABAY1

High installation flexibility and easy servicing

› Easy to install 'plug and play' concept plus single installation configuration; no additional piping is required since indoor and outdoor sides are pre-connected

› High efficiency and reliable scroll compressor

› Factory pre-charged refrigerant ensures clean and efficient operation



Cooling operation example

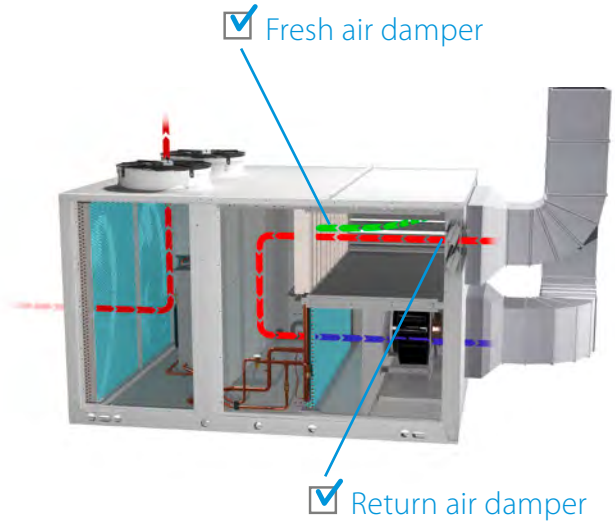
UATYQ-AFC2Y1

2 damper version, with integrated fresh air

› Free cooling with 100% fresh air possible
  › Improved air quality
  › Energy saving using fresh outdoor air to cool the building

› Standard CO_2 sensor connection
  › Ideal balance between efficiency and indoor air quality

› Includes all Base model features



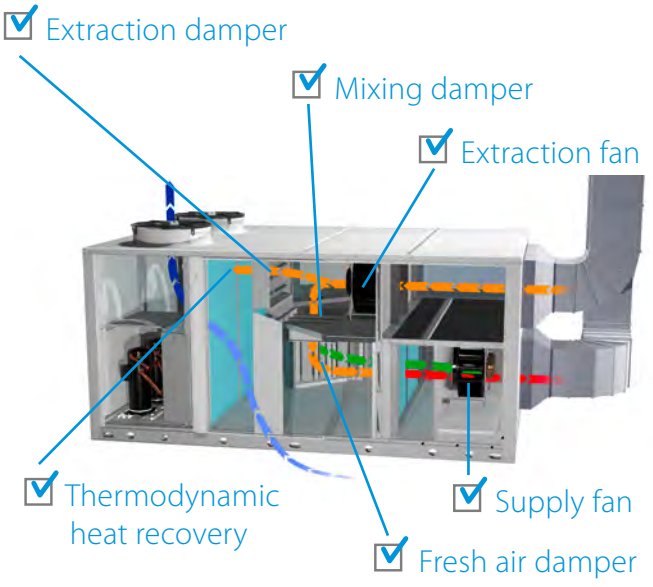
Cooling operation example

UATYQ-AFC3Y1

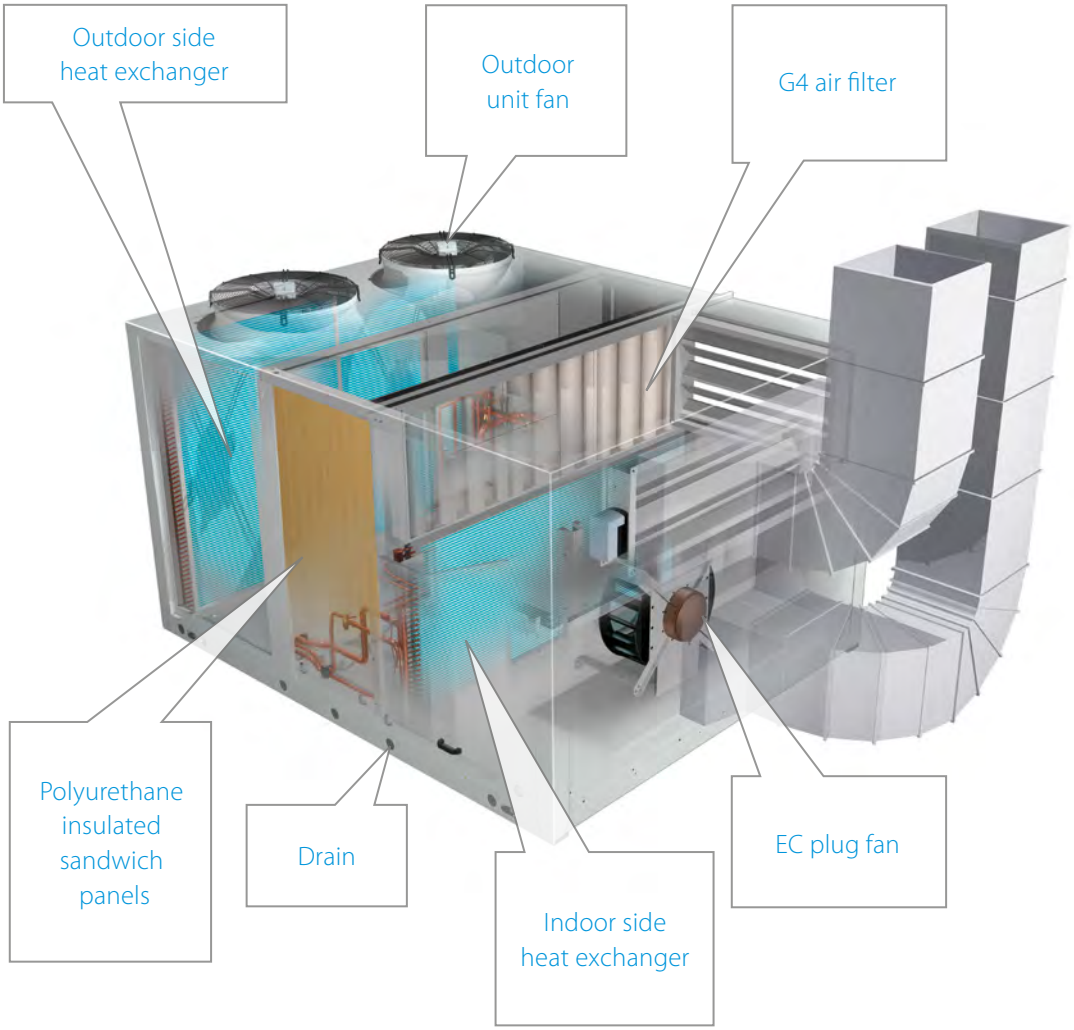
3 damper version, with integrated fresh air and extraction

› Extraction damper integrated
  › Eliminates excessive overpressure in the building
  › UATYQ45-115AFC3Y1 models include high efficient extraction fan for optimum air circulation in larger buildings

› Thermo dynamic heat recovery
  › Saves energy by recovering waste heat through the outdoor heat exchanger
  › Available on UATYQ20-55AFC3Y1



Heating operation example





UATYQ20ABAY1
UATYQ20AFC2Y1
UATYQ20AFC3Y1



UATYQ25-30ABAY1
UATYQ25-30AFC2Y1
UATYQ25-30AFC3Y1



UATYQ45-55ABAY1
UATYQ25-30AFC2Y1
UATYQ25-30AFC3Y1



UATYQ65-75ABAY1
UATYQ65-75AFC2Y1
UATYQ65-75AFC3Y1



UATYQ90-115ABAY1
UATYQ90-115AFC2Y1
UATYQ90-115AFC3Y1

Products overview rooftops

Capacity class (kW)

System	Type	Model	Product name	Refrigerant	20	25	30	45	50	55	65	75	90	100	115
For EU region	Air cooled Heat pump	Rooftop unit With extensive base package for high installation flexibility and easy servicing - 'Plug and play' for easy installation - High efficiency - Field convertible return and supply air - Direct integration with Daikin or third party BMS - Factory pre-charged refrigerant	UATYQ-ABAY1	R-410A	•	•	•	•	•	•	•	•	•	•	•
		Rooftop unit 2 damper version with integrated fresh air - 'Plug and play' for easy installation - Free cooling with up to 100% fresh air intake - High efficiency - Field convertible return and supply air - Direct integration with Daikin or third party BMS	UATYQ-AFC2Y1		•	•	•	•	•	•	•	•	•	•	•
		Rooftop unit 3 damper version with integrated fresh air and extraction - 'Plug and play' for easy installation - Integrated extraction damper eliminates over-pressure - Thermo dynamic heat recovery, recovering waste heat - Free cooling with up to 100% fresh air intake - Field convertible return and supply air	UATYQ-AFC3Y1		•	•	•	•	•	•	•	•	•	•	•

Specifications

UATYQ-ABAY1

					UATYQ-ABAY1	20	25	30	45	50	55	65	75	90	100	115
Cooling capacity	Nom.			kW		19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
Heating capacity	Nom.			kW		17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
Space cooling	Capacity	Pdesign		kW		19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
	ηs,c			%		135.0	143.5	127.5	119.5	134.1	129.0	130.4	124.6	118.2	137.9	127.0
Space heating	Capacity	Pdesign		kW		17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
(Average climate)	ηs,h			%		115.4	129.0	119.5	115.4	125.2	124.8	121.0	118.2	116.0	125.3	124.3
Power input	Cooling	Nom.		kW		6.6	10.0	12.0	17.0	19.7	22.5	23.6	29.7	33.8	39.0	44.3
	Heating	Nom.		kW		5.8	8.0	9.6	14.6	16.3	18.1	20.0	25.1	29.9	33.2	37.3
EER						2.94	2.79	2.54	2.60	2.50	2.29	2.69	2.49	2.67	2.60	2.41
COP						3.07	3.38	3.26	3.15	3.19	3.11	3.20	3.05	3.12	3.15	3.06
Evaporator	Supply side	Fan	Air flow rate	m^3/h		4,950	7,260	8,250	11,000	12,100	13,200	15,400	17,600	20,900	23,650	25,300
			Nom. external static pressure	Pa		300										
		Air discharge direction				Frontal, Left			Frontal, Left, Right, Bottom			Left, Right, Bottom				
	Return side	Air intake direction				Rear			Rear, Right, Left			Rear				
Condensor	Air flow rate	Cooling		m^3/h		11,500	12,000		19,000			33,200		44,000		
Condensor	Refrigerant	Type / GWP				R410-A / 2,087.5										
Condensor		Charge		TCO2Eq / kg		15.7 / 7.5	27.1 / 13.0		35.5 / 17.0			31.3 / 15.0		41.8 / 20.0	43.8 / 21.0	48.0 / 23.0
Dimensions	Unit	Height x Width x Depth		mm		1,576x1,828x1,762	2,126x1,828x1,762		1,799x2,712x2,263			1,799x3,760x2,252		2,180x4,059x2,252		
Weight	Unit			kg		672	780		1,068	1,221	1,247	1,553	1,581	1,738	1,742	1,794
Casing	Colour					RAL 7035										
Sound pressure level	Cooling			dBA		60			61	63		64		65		
Sound power level	Cooling			dBA		77	78		79	81		83		85		
Operation range	Cooling	Min. ~ Max.		°CDB		0 ~ 47										
	Heating	Min. ~ Max.		°CWB		-12.1 ~ 19.5										
Power supply	Voltage / Phase / Frequency			V / Hz		400/3+N/50 ±5%								400/3/50 ±5%		
Current	Recommended fuses			A		25	32	40	50	63		80	100		125	

UATYQ-AFC2Y1

					UATYQ-AFC2Y1	20	25	30	45	50	55	65	75	90	100	115
Cooling capacity	Nom.			kW		19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106,8
	with 30% fresh air			kW		20.9	30.0	32.5	47.8	52.3	55.1	68.1	78.9	96.7	108.2	114.2
Heating capacity	Nom.			kW		17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
	with 30% fresh air			kW		18.3	27.5	31.8	48.8	52.6	57.2	65.5	77.8	94.9	106.0	116.6
Space cooling	Capacity	Pdesign		kW		19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
	ηs,c			%		135.0	143.5	127.5	119.5	134.1	129.0	130.4	124.6	118.2	137.9	127.0
Space heating	Capacity	Pdesign		kW		17.7	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
(Average climate)	ηs,h			%		115.4	129.0	119.5	115.4	125.2	124.8	121.0	118.2	116.0	125.3	124.3
Power input	Cooling	Nom.		kW		6.6	10.0	12.0	17,0	19.7	22.5	23.6	29.7	33.8	39.0	44.3
	Heating	Nom.		kW		5.8	8.0	9.6	14.6	16.3	18.1	20.0	25.1	29.9	33.2	37.3
EER	with 30% fresh air					3.14	2.95	2.67	2.82	2.60	2.41	2.85	2.61	2.82	2.73	2.53
COP	with 30% fresh air					3.37	3.75	3.56	3.44	3.48	3.40	3.64	3.31	3.38	3.43	3.35
Evaporator	Supply side	Fan	Air flow rate	m^3/h		4,950	7,260	8,250	11,000	12,100	13,200	15,400	17,600	20,900	23,650	25,300
			Nom. external static pressure	Pa		300										
		Air discharge direction				Frontal, Left			Frontal, Left, Right, Bottom			Left, Right, Bottom				
	Return side	Air intake direction				Rear						Right-Rear				
	Fresh air	Standard				yes										
		Ratio	Standard	%		30										
			In free cooling	%		100										
Condensor	Air flow rate	Cooling		m^3/h		11,500	12,000		19,000			33,200		44,000		
Condensor	Refrigerant	Type / GWP				R410-A / 2,087.5										
Condensor		Charge		TCO2Eq / kg		15.7 / 7.5	27.1 / 13.0		35.5 / 17.0			31.3 / 15.0		41.8 / 20.0	43.8 / 21.0	48.0 / 23.0
Dimensions	Unit	Height x Width x Depth		mm		1,576x1,828x1,762	2,126x1,828x1,762		1,799x2,712x2,263			1,799x4,675x2,252		2,180x4,875x2,252		
Weight	Unit			kg		679	788		1,098	1,251	1,277	1,698	1,726	1,906	1,914	1,966
Casing	Colour					RAL 7035										
Sound pressure level	Cooling			dBA		60			61	63		64		65		
Sound power level	Cooling			dBA		77	78		79	81		83		85		
Operation range	Cooling	Min. ~ Max.		°CDB		0 ~ 47										
	Heating	Min. ~ Max.		°CWB		-12,1 ~ 19,5										
Power supply	Voltage / Phase / Frequency			V / Hz		400/3+N/50 ±5%								400/3/50 ±5%		
Current	Recommended fuses			A		25	32	40	50	63		80	100		125	

UATYQ-AFC3Y1

					UATYQ-AFC3Y1	20	25	30	45	50	55	65	75	90	100	115
Cooling capacity	Nom.			kW		19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
	with 30% fresh air			kW		21.1	30.4	33.2	47.8	53.4	56.3	68.1	78.9	96.7	108.2	114.2
Heating capacity	Nom.			kW		17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
	with 30% fresh air			kW		18.9	28.7	33.2	48.8	54.9	59.7	65.5	77.8	94.9	106.0	116.6
Space cooling	Capacity	Pdesign		kW		19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
	ηs,c			%		135.0	143.5	127.5	119.5	134.1	129.0	130.4	124.6	118.2	137.9	127.0
Space heating	Capacity	Pdesign		kW		17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
(Average climate)	ηs,h			%		115.4	129.0	119.5	115.4	125.2	124.8	121.0	118.2	116.0	125.3	124.3
Power input	Cooling	Nom.		kW		6.6	10.0	12.0	17.0	19.7	22.5	23.6	29.7	33.8	39.0	44.3
	Heating	Nom.		kW		5.8	8.0	9.6	14.6	16.3	18.1	20.0	25.1	29.9	33.2	37.3
EER	with 30% fresh air					3.25	3.08	2.82	2,82	2.70	2.53	2.82	2.58	2.79	2.70	2.51
COP	with 30% fresh air					3.46	3.84	3.66	3.44	3.51	3.42	3.58	3.26	3.33	3.38	3.30
Evaporator	Supply side	Fan	Air flow rate	m^3/h		4,950	7,260	8,250	11,000	12,100	13,200	15,400	17,600	20,900	23.650	25.300
			Nom. external static pressure	Pa		300										
		Air discharge direction				Frontal, Left			Frontal, Left, Right, Bottom			Left, Right, Bottom				
	Return side	Fan	Air flow rate	m^3/min		N/A			11,000	12,100	13,200	15,400	17,600	20,900	23,650	25,300
			Nom. external static pressure	Pa		N/A			300							
		Air intake direction				Rear			Rear, Right, Left			Rear, Right, Left, Bottom				
		Therm. heat recovery				yes						no				
	Fresh air	Standard				yes										
		Ratio	Standard	%		30										
			In free cooling	%		100										
Condensor	Air flow rate	Cooling		m^3/h		11,500	12,000		19,000			33,200		44,000		
Condensor	Refrigerant	Type / GWP				R410-A / 2,087.5										
Condensor		Charge		TCO2Eq / kg		15.7 / 7.5	27.1 / 13.0		35.5 / 17.0			31.3 / 15.0		41.8 / 20.0	43.8 / 21.0	48.0 / 23.0
Dimensions	Unit	Height x Width x Depth		mm		1,576x1,828x1,762	2,126x1,828x1,762		1,799x3,518x2,272			1,799x5,660x2,252		2,180x5,660x2,252		
Weight	Unit			kg		686	796		1,382	1,535	1,561	2,142	2,166	2,338	2,346	2,398
Casing	Colour					RAL 7035										
Sound pressure level	Cooling			dBA		60			61	63		64		65		
Sound power level	Cooling			dBA		77	78		79	81		83		85		
Operation range	Cooling	Min. ~ Max.		°CDB		0 ~ 47										
	Heating	Min. ~ Max.		°CWB		-12.1 ~ 19.5										
Power supply	Voltage / Phase / Frequency			V / Hz		400/3+N/50 ±5%								400/3/50 ±5%		
Current	Recommended fuses			A		25	32	40	63	80		100		125		

Rooftop

- Easy to install 'plug and play' concept plus single installation configuration; no additional piping is required since indoor and outdoor sides are pre-connected
- High efficiency and reliable scroll compressor
- Wide operating range
- Flat top unit design allows maximum use of warehouse and container space
- Free cooling and fresh air intake possible with optional economiser
- Convertible return and supply air: fan can be mounted in two directions
- Factory pre-charged refrigerant ensures clean and efficient operation
- Belt driven fan enables air volume and static pressure to be adjusted as required.
- Adjustable fan pulley as standard to meet a wide range of supply air volumes and external static pressures
- Anti-corrosion treated coil



UATYQ-CY1



Remote control

Indoor unit					UATYQ	250CY1	350CY1	450CY1	550CY1	600CY1	700CY1	900CY1
Cooling capacity	Nom.				kW	27.340	35.580	44.720	55.690	66.820	72.600	90.0
Heating capacity	Nom.				kW	24.910	34.790	41.790	53.930	61.690	69.610	87.9
Power input	Cooling	Nom.			kW	8.140	10.780	13.040	16.740	19.650	21.610	28.5
	Heating	Nom.			kW	7.330	10.840	12.860	15.540	18.580	21.420	27.9
EER						3.36	3.30	3.43	3.33	3.40	3.36	3.16
COP						3.40	3.21	3.25	3.47	3.32	3.25	3.15
Evaporator	Air flow rate	Cooling			m^3/min	93.6	121.8	160.2	189.6	206.7	235.02	271.86
	External static pressure				Pa		147			206		206
Evaporator piping connections	Condensation drain size	OD			mm				25.4			
Condenser	Dimensions	Unit	Height		mm	1,150	1,028	1,130	1,048	1,302	1,454	1,454
			Width		mm	1,638			2,209			
			Depth		mm	2,063	2,113			2,670		
	Weight	Unit			kg	445	580	610	830	880	1,020	1,020
	Casing	Colour							Light grey			
	Air flow rate	Cooling			cfm	8,230	12,000	12,100	12,900	20,200	21,200	
	Operation range	Cooling	Min.~Max.		°CDB				0~52			
		Heating	Min.~Max.		°CWB				-15~18			
	Sound pressure level	Nom.			dBA	68	64	65	68	70		70
	Sound power level	Nom.			dBA	82	83		87	90		90
	Refrigerant	Type							R-410A			
		GWP							2,087.5			
		Charge			TCO_2eq	12.7	12.1	15	18.2	21.7	24.2	
					kg	6.1	5.8	7.2	8.7	10.4	11.6	
Power supply	Phase/Frequency/Voltage				Hz/V				3~/50/380-415			

(1) All units are being tested and comply to ISO5151. (2) Sound pressure levels are measured according to JIS B 8616 standard (3) All performance calculations are strictly according to Eurovent standard

Economiser option

Indoor unit					ECONO	250AY1	350AY1	450AY1	550AY1	600AY1	700AY1	900AY1
Dimensions	Packed unit	Height			mm				534			
		Width			mm	1,440	1,430			1,458		1,460
		Depth			mm	1,144	1,124			1,564		1,682
Weight	Unit				kg	51	42	43	53	54	69	78
Packing	Weight				kg	152	140	141	165	166	181	190
Fan	Air flow rate	Cooling	Nom.		l/s	1,560	2,030	2,670	3,160	3,445	3,917	4,533
					cfm	3,300	4,300	5,650	6,700	7,300	8,300	9,604.5
Power supply	Voltage				V				24 DC			
Option for						UATYQ250CY1	UATYQ350CY1	UATYQ450CY1	UATYQ550CY1	UATYQ600CY1	UATYQ700CY1	UATYQ900CY1
Test Standard									ISO 13253			

Only for sales ouside Europe.

Rooftop

- Easy to install 'plug and play' concept plus single installation configuration; no additional piping is required since indoor and outdoor sides are pre-connected
- Factory pre-charged refrigerant ensures clean and efficient operation
- Belt driven fan enables air volume and static pressure to be adjusted as required.
- Flat top unit design allows maximum use of warehouse and container space
- High efficiency and reliable scroll compressor
- Anti-corrosion treated coil



UATYP-AY1(B)



Remote control

Indoor unit					UATYP	10AY1	12AY1
Cooling capacity	Nom.				kW	101.110	109.609
Heating capacity	Nom.				kW	102.290	126.314
Power input	Cooling	Nom.			kW	43.170	48.200
	Heating	Nom.			kW	41.670	46.800
EER						2.34	2.27
COP						2.45	2.70
Evaporator	Air flow rate	Cooling			m^3/min	312	354
	External static pressure				Pa		
Evaporator piping connections	Condensation drain size	OD			mm		
Condenser	Dimensions	Unit	Height		mm	1,974	
			Width		mm	2,252	
			Depth		mm	3,180	
	Weight	Unit			kg	1,510	1,600
	Casing	Colour					
		Material				Electro-galvanised mild steel	
	Air flow rate	Cooling			cfm	20,000	
	Operation range	Cooling	Min.~Max.		°CDB		
		Heating	Min.~Max.		°CWB		
	Sound power level	Nom.			dBA		
	Refrigerant	Type					
		GWP					
		Charge			TCO_2eq	23.9	35.5
					kg	13.5 / 20.0	20.0
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/380-415	

(1) All units are being tested and comply to ISO5151. (2) Sound pressure levels are according to JIS B 8615 standard. Position of the measurement is 1m in front and 1m below the unit. (3) Designation based on cooling cycle.

Only for sales ouside Europe.

Options - Sky Air

	INDOOR UNITS	FCAHG-H FCAG-B	FFA-A9	FDXM-F9	FBA-A(9)	FDA-A	FDQ-B
Panels	Decoration panel (obligatory for cassette units, optional for others)	Standard panels: BYCQ140E (white) / BYCQ140EW (full white) (1) / BYCQ140EB (black) Auto cleaning panels(2)(4): BYCQ140EG(F) (white) / BYCQ140EGFB (black) Designer panels: BYCQ140EP (white) / BYCQ140EPB (black)	BYFQ60CW (white) BYFQ60CS (silver) BYFQ60B3 (standard)			BYBS125D + EKBYBSD	
	Panel spacer for reducing required installation height		KDBQ44B60 (only for standard panel)				
	Sealing kit for 3- or 2-directional air discharge	KDBHQ56B140	BDBHQ44C60				
	Sensor kit	BRYQ140B (white) BRYQ140BB (black)	BRYQ60AW (white)(9) BRYQ60AS (silver)(9)				
Individual control systems	Online Controller	BRP069B82 (14)	BRP069A81	BRP069A81	BRP069A81	BRP069A81	
	Infrared remote control (incl. receiver)	BRC7FA532F (white) (11) / BRC7FA532FB (black) (11)	BRC7EB530W for standard panel (5)(6) BRC7F530W for white panel (5)(6) BRC7F530S - for silver panel (5)(6)	BRC4C65	BRC4C65	BRC4C65	BRC4C65
	Madoka **BRC1H519W (9)** (White) / **BRC1H519S (9)** (Silver) / **BRC1K519K (9)** (Black) User-friendly wired remote controller with premium design	●	●	●	●	●	●
	BRC1E53A/B/C (3) (13) - Wired remote control with full-text interface and back-light	●	●	●	●	●	●
Centralised control systems	DIII-net connection - for connection to centralized control	standard	standard	standard	standard	standard	DTA112B51
	DCC601A51 - Intelligent tablet controller	●	●	●	●	●	●
	DCS601C51 (13) - Intelligent touch controller	●	●	●	●	●	●
	DCS302C51 (13) - Central remote control	●	●	●	●	●	●
	DCS301B51 (13) - Unified ON/OFF control	●	●	●	●	●	●
	DST301B51 (13) - Schedule timer	●	●	●	●	●	●
	NIM03 - R04084124324 - Option PCB for group control						
Building Management System & Standard protocol interface	**DCM601A51** - Intelligent Touch Manager	●	●	●	●	●	●
	RTD-NET - Modbus interface for monitoring and control	●	●	●	●	●	●
	RTD-10 - Modbus interface for infrastructure cooling	●	●	●	●	●	●
	RTD-20 - Modbus interface for retail	●	●	●	●	●	●
	RTD-HO - Modbus interface for hotel	●	●	●	●	●	●
	EKMBDXA - Modbus interface	●	●	●	●	●	●
	KLIC-DI - KNX Interface	●	●	●	●	●	●
	DCM010A51 - Daikin PMS interface	●	●	●	●	●	●
	DMS502A51 - BACnet Interface	●	●	●	●	●	●
	DMS504B51 - LonWorks Interface	●	●	●	●	●	●
Filters	Replacement long-life filter, non-woven type	KAFP551K160	KAFQ441BA60				
	Auto cleaning filter	see deco panel		BAE20A62 (25 - 35) BAE20A102 (50 - 60)			
Adapter	Extension wire auto cleaning panel (required when auto cleaning panel AND online controller are both installed)						
	Wiring adapter for external monitoring/control via dry contacts and setpoint control via 0-140 Ω	KRP4A53 (10)(11)	KRP4A53 (10)	KRP4A54 (10)	KRP4A52 (10)		KRP4A51 (8)
	Wiring adapter with 2 output signals (compressor/ Error, Fan output)	KRP1BA58 (10)(11)	KRP1B57 (10)	KRP1B56 (10)			
	Wiring adapter for external central monitoring/control (controls 1 entire system)			KRP2A53 (10)	KRP2A51 (7)(10)	KRP2A51 (8)	
	Adapter for wiring (interlock for fresh air intake fan)				KRP1B54	KRP1C64 (7)	KRP1B54 (8)
	Wiring adapter with 4 output signals (compressor / Error, Fan, Aux, heater, Humidifier output)	EKRP1C12 (10)(11)	EKRP1B2		EKRP1B2 (7)	EKRP1B2 (7)	EKRP1B2 (7)(8)
	Adapter for keycard or window contact connection (in combination with BRC1H*, BRC1/2/3E* only)	BRP7A53	BRP7A53	BRP7A54 (10)	BRP7A51 (12)	BRP7A54 (12)	BRP7A54 (8)
	Installation box/Mounting plate for adapter PCBs (when there is no space in the switchbox, an installation box is required)	KRP1H98 (11)	KRP1B101/KRP1BA101	KRP1BA101	KRP1B101/KRP1BA101	KRP4A96	KRP4A96
	External wired temperature sensor	KRCS02-1	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-1
	K.RSS - External wireless temperature sensor	●	●		●	●	●
	Remote ON/OFF, forced OFF kit	standard	standard	standard	standard	EKRORO3	EKRORO
	DTA112B51 - Interface adapter for Sky Air					●	●
Others	Drain pump kit						
	Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)			2 dampers (25 - 35) 3 dampers (25 - 35) 4 dampers (50) 5 dampers (60)	2 dampers (35 - 50) 3 dampers (35 - 50) 4 dampers (35 - 71) 5 dampers (60 - 140) 6 dampers (60 - 140) 7 dampers (100 - 140) 8 dampers (100 - 140)		
	L-type piping kit (upward direction)						
	Fresh air intake kit (direct installation type)	KDDP55C160-1 + KDDQ55B140-2 (11)	KDDQ44XA60				
	Air discharge adapter for round duct				KDAP25A56A (35-50) KDAP25A71A (60-71) KDAP25A140A [100-140)	KDAJ25K140A	

(1) Dirt formation is more easily visible on white insulation. It is recommended not to install this option in environments with a high concentration of dirt.

(2) To be able to control option BYCQ140EG(F)/EGFB, controller BRC1H*, BRC1E* is needed. These options cannot be combined with RXYSQ*, multi or non-inverter split units

(3) Included languages are:
A: English, German, French, Dutch, Spanish, Italian and Portuguese
B: English, Bulgarian, Croatian, Czech, Hungarian, Romanian and Slovenian
C: English, Greek, Polish, Russian, Albanian, Slovak and Turkish

(4) The option is intended exclusively for use in fine dust enviornments (e.g. Clothing shops). Do not use it in environments that are greasy or have high humidity. F = finer mesh

ADEA-A	ABQ-C	FAA-A	FTXM-N	FHA-A(9)	AHQ-C	FUA-A	FVA-A	FNA-A9
						KDBHP49B140 + KDBTP49B140		
BRP069A81		BRP069A81	BRP069A41	BRP069A81	BRP069A81	BRP069A81	BRP069A81	BRP069A81
BRC4C65		BRC7EB518		BRC7G53		BRC7CB58		BRC4C65
●		●		●		●	●	●
●		●	● (BRC073A1) BRCW901A03/A08 extention cords available)	●		●	●	●
standard		standard	KRP928BB2S	standard		standard	standard	standard
●		●	●	●		●	●	●
●		●	●	●		●	●	●
●		●	●	●		●	●	●
●		●	●	●		●	●	●
●		●	●	●		●	●	●
	●				●			
●		●	●	●		●	●	●
●		●	●	●		●	●	●
●		●	●	●		●	●	●
●		●	●	●		●	●	●
●		●	●	●		●	●	●
●		●	●	●		●	●	●
●		●	●	●		●	●	●
●		●	●	●		●	●	●
●		●	●	●		●	●	●
				KAFP501A56 (35-50) KAFP501A80 (60-71) KAFP501A60 (100-140)		KAFP551K160	KAFJ95L160	
KRP4A52 (10)		KRP4A51 (10)		KRP4A52 (10)		KRP4A53 (10)	KRP4A52 (10)	KRP4A54
			KRP413AB1S				KRP1B57 (10)	
KRP2A51 (7)(10)								
KRP1B54				KRP1B54 (10)				
EKRP1B2 (7)								KRP1B56
BRP7A51 (12)		BRP7A51 (10)		BRP7A52 (10)		BRP7A53 (10)	BRP7A52	BRP7A51
KRP1B101/KRP1BA101		KRP4A93		KRP1D93A [box] KKSAP50A56 (35-50) [mounting plate]		KRP1BA97	KRP4AA95	KRP1BA101
KRCS01-4		KRCS01-4		KRCS01-4		KRCS01-4		KRCS01-4
●		●		●		●		●
standard	standard				standard			
		K-KDU572EVE		KDUP50Q63 (35 - 60) KDUP50Q160 (71 - 140)				
2 dampers (35 - 50) 3 dampers (35 - 50) 4 dampers (35 - 71) 5 dampers (60 - 140) 6 dampers (60 - 140) 7 dampers (100 - 140) 8 dampers (100 - 140)								
				KHFP5MA35 (35) KHFP5N63 (50-60) KHFPN5N160 (71-140)				
				KDDQ50A140				
KDAP25A56A (35-50) KDAP25A71A (60-71) KDAP25A140A [100-140)								

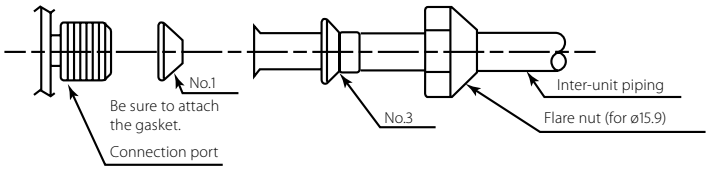
(5) Sensing function is not available
(6) Individual flap control function not available
(7) If installing an electrical heater, an option PCB for external electrical heater (EKRP1B2) for each indoor unit is required. These options require mounting plate KRP4A96. Electrical heaters and humidifiers are field-supplied. Do not install them inside the equipment.
(8) Mounting plate KRP4A96 is required for these options. Maximum 2 option PCB's can be mounted.
(9) This option cannot be used with RR and RQ models
(10) Requires installation box for adapter PCB, refer to table for model code
(11) This option cannot be combined with BYCQ140DG(F)9
(12) Maximum 2 optional PCBs can be mounted
(13) Applicable boxes (KJB*) to mount controllers can be found in the controls option list
(14) Extention wire is needed if both auto cleaning panel AND online controller are connected

		R-32			
		RZAG-A	RZAG-MV1/MY1	RZASG-MV1/MY1	AZAS-MV1/MY1
Refrigerant branch piping	for twin		KHRQ(M)58T	KHRQ(M)58T	
	for triple		KHRQ(M)58H (100 - 140)	KHRQ(M)58H (100 - 140)	
	for double twin		KHRQ(M)58T (3x) (125 - 140)	KHRQ(M)58T (3x) (125 - 140)	
	Asymmetric combinations piping reducer	ASYCPIR (see table below)			
Demand adapter kit			SB.KRP58M52	SB.KRP58M52	
Bottom plate heater			EKBH140L7		

Option for asymmetric combination (Asymmetric combinations piping reducer)

ASYCPIR		Liquid	GAS	
		ø 9.52 → ø 6.4	ø 12.7 → ø 9.52	ø 15.9 → ø 12.7
RZAG35A	FDXM50F9		●	
	FFA50A9		●	
	FBA50A9		●	
	FCAG50B		●	
	FNA50A9		●	
	FTXM50N		●	
	FHA50A9		●	
RZAG60A	FBA71A9	●		
	FCAG71B	●		●
	FTXM71N			●
	FHA71A9	●		●

Example of using:
1) Connecting a pipe of ø12.7 to a gas pipe connection port for ø15.9:



		R-410A						
		RZQG-L9V1	RZQG-L(8)Y1	RZQSG-L3V1	RZQSG-L(8)Y1	AZQS-B8V1	AZQS-BY1	RZQ-C
Drain plug								KWC26B280
Refrigerant branch	For twin	KHRQ22M20TA	KHRQ22M20TA (KHRQ58T) (1)	KHRQ22M20TA	KHRQ22M20TA (KHRQ58T) (1)			KHRQ22M20TA
	For triple	KHRQ127H (100 - 140)	KHRQ127H (100 - 140) (KHRQ58H) (1)	KHRQ127H (100 - 140)	KHRQ127H (100 - 140) (KHRQ58H) (1)			KHRQ250H7
	For double twin	KHRQ22M20TA (x3) (125 - 140)	KHRQ22M20TA (x3) (125 - 140) (KHRQ58T) (1)	KHRQ22M20TA (x3) (125 - 140)	KHRQ22M20TA (x3) (125 - 140) (KHRQ58T) (1)			KHRQ22M20TA (x3)
Demand adapter kit		SB.KRP58M51	KRP58M51	KRP58M51 (71) SB.KRP58M51 (100 - 125 - 140)	KRP58M51	KRP58M51 (71) SB.KRP58M51 (100-140)	KRP58M51	KRP58M3
Bottom plate heater		EKBPH140L7	EKBPH140L7 (2)					

(1) For RZQG-L(8)Y1 in combination with FCAG35-71* or FCAHG-* use refrigerant branch piping between brackets
(2) For combination of RZQG71 and EKBPH140L7 the demand adapter kit is needed in order to connect the bottom plate heater

		Base series - UATYQ-ABAY1			2 damper series - UATYQ-AFC2Y1					3 damper series - UATYQ-AFC3Y1				
		20-55	65-75	90-115	20	25-30	45-55	65-75	90-115	20	25-30	45-55	65-75	90-115
UATYQWRC Remote controller (standard 1 delivered with the unit)		•	•	•	•	•	•	•	•	•	•	•	•	•
UATYQBACNET BMS interface: BACnet (IP); Modbus (TCP/IP)		•	•	•	•	•	•	•	•	•	•	•	•	•
UATYQAVM1 Anti-vibration mounts		• 2x	• 3x	• 4x	• 2x	• 2x	• 2x	• 4x	• 4x	• 2x	• 2x	• 3x	• 4x	• 4x
Rainproof hood & protection grill					UATYQRAPH1	UATYQRAPH2	UATYQRAPH3	UATYQRAPH4	UATYQRAPH5	UATYQRAPH1	UATYQRAPH2		UATYQRAPH4 x2 (1)	UATYQRAPH5 x2 (1)

	ROOFTOPS	
Description	**UATYQ-C**	**UATYP-AY1(B)**
Rooftop controller	•	-
PCB	•	-
EXV	•	-
Gold Fin (NA549)	•	-
Scroll compressor	•	-
Saranet Air Filter	•	-
Side flow	•	-
Convertible	•	-
Filter drier	•	-
High pressure switch	•	-
Low pressure switch	•	-
ECONO-AY1 Economiser	•	-

DAIKIN

BLUEVOLUTION

VRV
ready for the future

+ Seasonal Efficiency

− Refrigerant Quantity

− GWP Refrigerants

Striving to be the lowest CO_2 equivalent manufacturer

Introducing the next generation VRV

- CO_2 equivalent reductions thanks to the use of lower GWP refrigerant
- Breakthrough technologies reducing refrigerant charges
- Facilitating circular economy of refrigerants, encouraing reuse
- Achieve sustainabiliy over the entire lifecycle thanks to market leading efficiencies
- To be launched in 2019



www.daikin.eu

ErP 2021 COMPLIANT

VRV

The solution for any commercial application no matter the size.

New VRV IV+ series 342
Why choose Daikin VRV? 344
Total solution concept 348
Application overview 350
VRV outdoor - products overview 356
VRV outdoor units 358

Heat recovery 360
NEW REYQ-U 360

Heat pump 362
NEW RYYQ-U / RXYQ-U 362
RXYSCQ-TV1 364
RXYSQ-T8V / RXYSQ-T8Y/TY1 366
UNIQUE SB.RKXYQ-T 368
NEW RXYLQ-T 370

Replacement VRV 374
RQCEQ-P3 376
NEW RQYQ-P/RXYQQ-U 377

Water-cooled VRV 378
RWEYQ-T9 380

Branch selector (BS box) 382
BS1Q-A 383
BS-Q14AV1B 383

VRV indoor - products overview 386
VRV indoor - benefits overview 388
VRV indoor units 390

NEW panels! Ceiling mounted cassette units 392
UNIQUE FXFQ-B 393
UNIQUE FXZQ-A 394
FXCQ-A 398
FXKQ-MA 399

Concealed ceiling units 400
UNIQUE Auto cleaning filter for concealed ceiling units 400
Multi zoning kit 401
FXDQ-A3 402
FXSQ-A 403
FXMQ-P7 / FXMQ-MB 404

Wall mounted unit 405
FXAQ-A 405

Ceiling suspended units 406
FXHQ-A 406
UNIQUE FXUQ-A 407

Floor standing units 408
FXNQ-A 408
FXLQ-P 409

Hot water 410
HXY-A8 410
HXHD-A8 411
Accessories for hot water 412

Options & accessories 414

THE BEST PARTNER FOR GREEN BUILDING SUPPORT

VISIT OUR BIM APPLICATION SUITE ON WWW.DAIKIN.EU/BIM

For latest data, please consult my.daikin.eu

VRV IV+

Your known VRV IV with increased seasonal efficiency according to LOT21



VRV IV+ series are available in heat recovery, heat pump, replacement and high ambient versions



ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Increase of seasonal efficiency up to 23%!

- ☑ Measured with indoor units for real applications!
- ☑ ALL information for indoor units used available on our eco-design website: https://energylabel.daikin.eu/eu/en_US/lot21.html



New scroll compressor with increased efficiencies at partial loads

Total solution

- ☑ Connects to ventilaton, hot water and Biddle air curtains
- ☑ Combines stylish with standard VRV indoor units





Variable Refrigerant Temperature

The known VRV IV standards

- ☑ Variable Refrigerant Temperature
- ☑ Continuous heating during defrost
- ☑ VRV configurator
- ☑ 4-side heat exchanger

VRV IV C+ series



New VRV IV C+series, designed for even the coldest regions

High heating capacity at low ambient temperatures

- ☑ Stable heating capacity available down to -15°C WB!

High reliability down to -25°C WB

- ☑ Hot gas bypass prevents ice buildup at the bottom of the heat exchanger

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

High partial load efficiency

- ☑ New vapour injection scroll compressor optimised for low part load
- ☑ Variable Refrigerant Temperature adjusts refrigerant temperature to match the load
- ☑ Measured with indoor units for real applications!

Total solution

- ☑ Connects to ventilaton, hot water and Biddle air curtains
- ☑ Combines stylish with standard VRV indoor units



Variable Refrigerant Temperature

The known VRV IV standards

- ☑ Variable Refrigerant Temperature
- ☑ VRV configurator

VRV IV sets the standard . . . again



9 reasons why VRV is unique in the market

Variable Refrigerant Temperature

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

Check ongoing validity of certificate:
www.eurovent-certification.com

BES 6001 Responsible Sourcing
www.greenbooklive.com

BREEAM®

1 Efficiency

› Variable Refrigerant Temperature for high seasonal efficiency
› Round flow cassette and concealed ceiling units with auto cleaning filter
› The best partner for your"green" project
  • A team of AP's across Europe who are there to help you
  • Daikin is the 1st HVAC-R manufacturer to achieve BES6001 certificates gaining additional BREEAM credits

2 Comfort

› Variable Refrigerant Temperature preventing cold draughts in cooling thanks to high outblow temperatures
› True continuous heating during defrost
› Low sound indoor and outdoor units
› Presence and floor sensors direct the air flow away from persons, while ensuring an even temperature distribution
› Round flow cassette and concealed ceiling units with auto cleaning filter ensure optimum air quality



presence sensor

floor sensor





3 Reliability

› True technical cooling
› Refrigerant cooled PCB
› Most extensive testing before new units leave the factory
› Widest sales support network and after sales service
› All spare parts available in Europe
› Preventive maintenance via i-Net
› Round flow cassette and concealed ceiling units with auto cleaning filter further enhance reliability by extending smooth and trouble free operation due to clean air-filters



Fully flat cassette

4 Design

› Fully flat cassette, fully integrated in the ceiling
NEW › Widest ever range of cassette panels
  • Available in **white and black**
  • Sleek **designer panel** range
› Daikin Emura, unique iconic design



Daikin Emura

5 Controls

A new, sleek wired controller designed to enhance the user experience

› Intuitive touch button control
› 3 color versions (White, Silver, Black)
› Advanced settings and commissioning via smartphone or tablet



BRC1H519W

reddot award 2018 winner

DESIGN AWARD 2018

› Intelligent Touch manager: A cost-effective mini BMS integrating all Daikin products
› Easy integration in third party BMS via BACnet, LonWorks, Modbus, KNX
› Dedicated control solutions for applications such as technical cooling, shops, hotels, ...
NEW › Daikin Cloud Service offers services such as online control, energy monitoring, comparison of multiple sites and predictive maintenance for a long and trouble free operation



6 Installation

› Automatic refrigerant charge and refrigerant containment check
› 4-way blow ceiling suspended cassette (FXUQ)
› Plug & play Daikin Air Handling Unit
› Total solution including low and high temperature hydro box, Biddle air curtains
› VRV configurator software for the fastest commissioning, configuration and customisation
› Outdoor unit display for quick on-site settings and detailed error readouts for improved customer support



FXUQ



7-segment display

7 Inventor

› Market leader of VRV systems since 1982
› Over 90 years of expertise in heat pump technology
› Designed for and produced in Europe

8 Range

› Unique outdoor unit range, with dedicated series for different applications and climate conditions



VRV IV

Heat pump
Heat recovery
Replacement
Water cooled

9 Technology

Variable refrigerant temperature

Variable Refrigerant Temperature

› Seasonal efficiency increased by 28%
› The first weather accommodating control on the market
› Customer comfort is assured thanks to higher outblow temperatures (preventing cold draughts)

Continuous heating

Real continuous heating providing heating even during defrost
› Continuous indoor comfort ensured by the heat accumulating element or alternate defrost
› An innovative alternative to traditional heating systems, enabling heat pumps to be used as monovalent heating source systems

VRV configurator

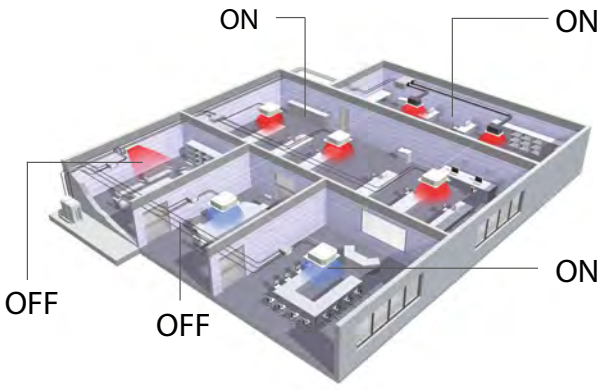
Software for simplified commissioning, configuration and customisation
› Graphical interface
› Manage systems over multiple sites in exactly the same way
› Retrieve initial settings

The VRV air conditioning system is the world's first individual air conditioning system with variable refrigerant flow control and was commercialised by Daikin in 1982. VRV is the trademark of Dakin Industries Ltd, which is derived from the technology we call "variable refrigerant volume". BREEAM is a registered trademark of BRE (the Building Research Establishment Ltd. Community Trade Mark E5778551). The BREEAM marks, logos and symbols are the Copyright of BRE and are reproduced by permission

But VRV is more…
standard VRV features

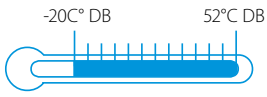
Low running costs

› Precise zone control
› All inverter compressors
› Running costs of a water-based fan coil unit can be 40 to 72% higher compared to a VRV heat recovery system



Great design flexibility

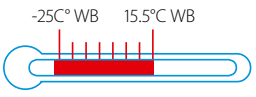
› Solutions for every climate, from -25 to +52°C



Cooling mode



multi tenant



Heating mode



max. 398kg for a 20HP unit

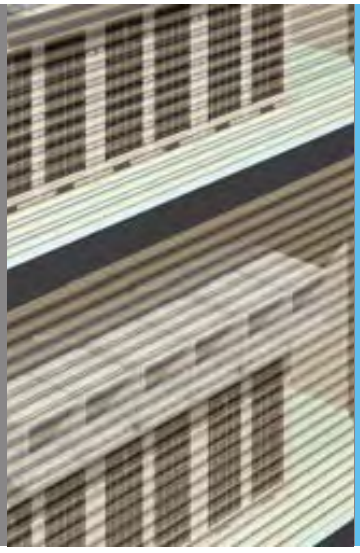
› Long refrigerant piping
› Zone by zone phased installation
› Outdoor units can be installed indoors
› Use one outdoor unit for multiple tenants

› Compact units require up to 29% less space than traditional water based systems, offering more lettable space and avoiding the need for structural reinforcement

Reliable

› Special anti corrosion treatment of the heat exchanger provides 5 to 6 times greater resistance against corrosion
› Duty cycling extends operation life
› Sequential start
› Only brazed connections

indoor installation of outdoor units



3 options:

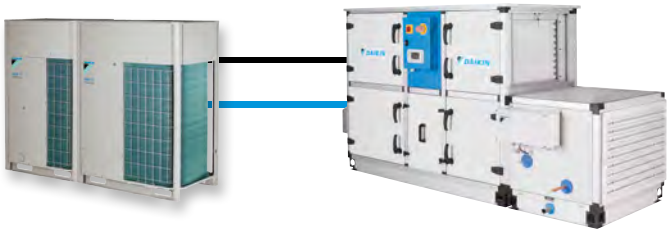
› ESP up to 78pa for standard air-cooled outdoor units
› VRV IV i-series air cooled heat pump for indoor installation
› VRV IV W-series water cooled unit for indoor installation

Easy installation and servicing

› Automatic testing and refrigerant charging
› Easy servicing and F-gas compliance with remote refrigerant containment check
› VRV configurator software
› Compact unit design



› Daikin unified REFNET piping
› Easy wiring
› Plug & play connection for VRV to Daikin Air Handling Units, the easiest solution with only one point of contact



High comfort levels

› Individual control and simultaneous cooling and heating for perfect personal environment
› Night quiet mode on outdoor units to ensure low outdoor operation sound
› Back-up function
› Low indoor sound levels down to 19 dBA



Simultaneous cooling and heating with heat recovery systems



DAIKIN emura — 19 dB(A)

nexura — 19 dB(A)

FULLY FLAT CASSETTE — 25.5 dB(A)

› CO_2 sensor in combination with Daikin ventilation (VAM, VKM , Modular L Smart) units ensures fresh air, while preventing energy losses from over-ventilation





We're here to help you!
Online and offline

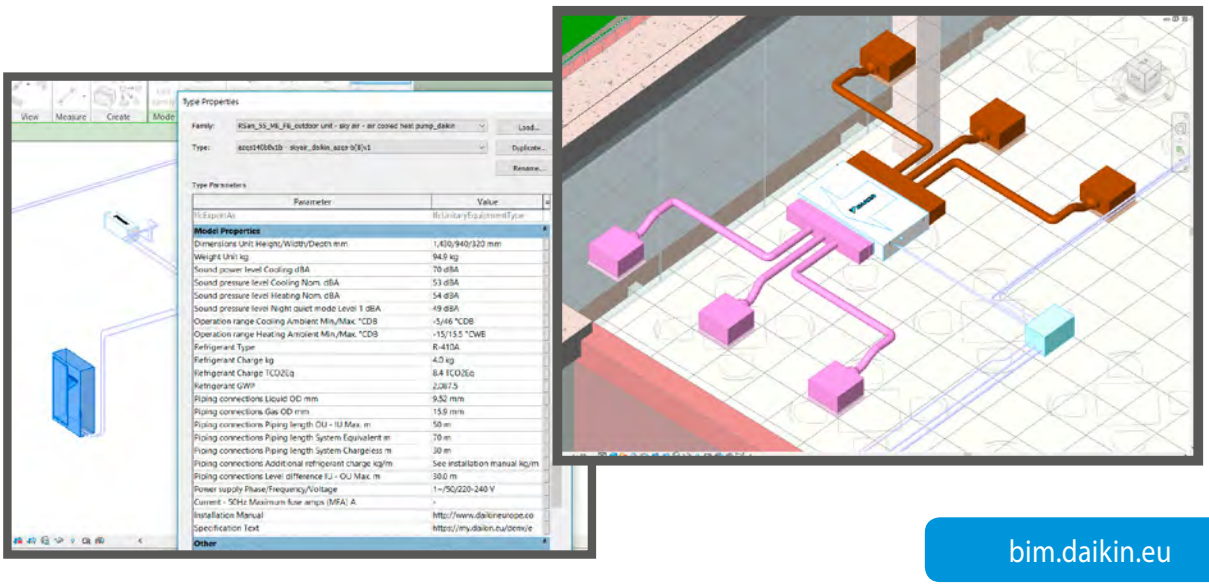
Online and offline VRV selection software



Business portal via mobile or desktop

my.daikin.eu

Full BIM object library available



bim.daikin.eu



Commercial Solutions
Daikin offers solutions for commercial applications
100



Green Buiding Solutions
Clear building owner/investor benefits why to choose Daikin for a green building, with emphasis on BREEAM
216



Hotel Solutions
Clear building owner/investor benefits why to choose Daikin for a hotel
218

Reference books:



Reference catalogue
Daikin commercial and industrial references
213

Product profiles:



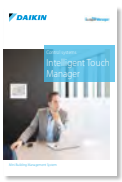
VRV IV S-series
Main benefits, application examples and specs of VRV IV S-series product range
208



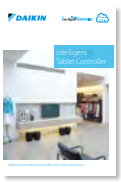
VRV IV i-series
Main benefits, application examples and specs of VRV IV i-series product range
207



Water-to-air heat pump
Detailed info on VRV IV W-series, application examples, technical system design background
209



Intelligent Touch Manager
Detailed benefits of Intelligent Touch Manager
302



Intelligent Tablet Controller
Detailed benefits of Intelligent Tablet Controller
303



Daikin Cloud Serivce
Details on the Daikin Cloud connection
542

Focus topics:



Replacement Technology
Clear installer benefits of VRV replacement technology
214



Infrastructure cooling
Clear installer benefits why to choose Daikin for infrastructure cooling
140



Replacement technology
Clear building owner/investor benefits of replacement technology
15-215

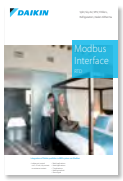


F-gas regulation
Details on the F-gas regulation and how Daikin is prepared for the future HVAC-R market
605

Product flyers:



Madoka
Detailed info on BRC1H* remote control
306



RTD modbus interface
Detailed info on RTD controls and applications
308



Sky Air product leaflets
Single page leaflet with the main benefits and technical specifications of each individual Sky Air unit. Ideal for quotations



VRV product leaflets
Single page leaflet with the main benefits and technical specifications of each individual VRV unit. Ideal for quotations

Product catalogues:



Sky Air Catalogue
Detailed technical information & benefits on Sky Air
100



VRV Catalogue
Detailed technical information & benefits of the VRV total solution
200



Ventilation Catalogue
Detailed info on Ventilation products
203

Technical documentation:
Download all technical documentation such as engineering databooks, selection software, installation and operation manuals and service manuals directly from our business portal: my.daikin.eu

Which applications?

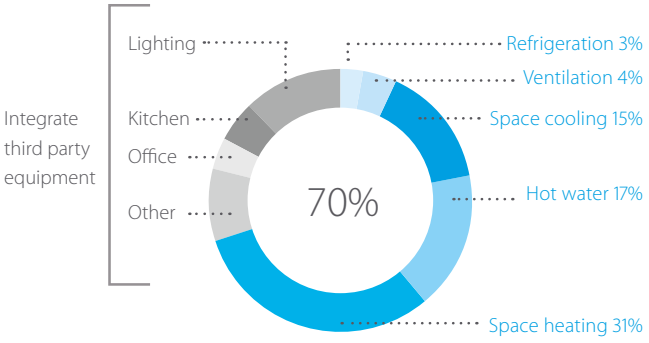


Typically, many buildings today rely on several separate systems for heating, cooling, air curtain heating and hot water. As a result energy is wasted. To provide a much more efficient alternative, VRV technology has been developed into a total solution managing up to 70% of a buildings energy consumption giving large potential to cost saving.

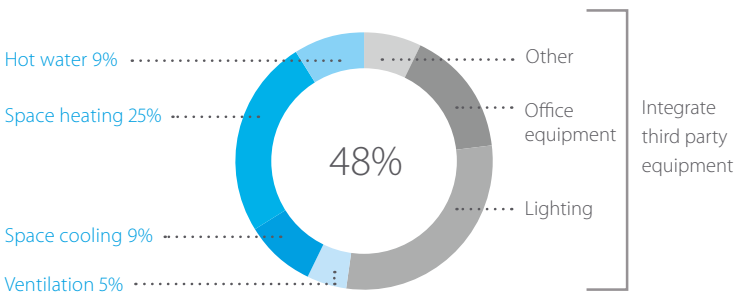
- **Heating and cooling** for year round comfort
- **Hot water** for efficient production of hot water
- **Underfloor heating /cooling** for efficient space heating/cooling
- **Ventilation** for high quality environments
- **Air curtains** for optimum air separation
- **Controls** for maximum operating efficiency
- **Cooling** for server rooms, telecom shelters, ... via VRV heat recovery or Sky Air units
- **Refrigeration** via our VRV based refrigeration units

Combine up to 70% of your building's energy consumption

Average hotel energy consumption



Average office energy consumption



One system,

multiple applications for hotels, offices, retail, home …

Heating and cooling



› Combine VRV indoor units with other stylish indoor units in one system
› New round flow cassette sets the standard for efficiency and comfort
› Extensive range of models and capacities for optimal selection

Intelligent control systems



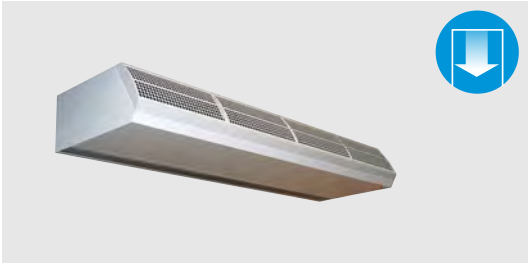
› Mini BMS which connects Daikin and third-party equipment
› Integrate intelligent control solutions with energy management tools to reduce running costs

Low-temperature hydrobox



› Highly efficient space heating through:
  - Underfloor heating
  - Low temperature radiators
  - AHU water heat exchangers
› Hot water from 25 °C to 45 °C
› Cold water from +5°C to +20°C

Biddle air curtain



› Payback time less than 1.5 years compared to electrical air curtain
› A highly efficient solution for doorway climate separation

High temperature hydrobox



› Efficient hot water production for:
  - Showers
  - Sinks
  - Tapwater for cleaning
› Hot water from 25 °C to 80 °C
› Connectable to VRV heat recovery and Water - cooled VRV

Ventilation



› Widest range in DX ventilation – from small heat recovery ventilation to large scale air handling units
› Provides a fresh, healthy and comfortable environment





VRV
for offices and banks

Efficiency in the workplace



Efficient building and facilities management are key to minimising operational costs

Our solutions for offices:

› Significantly reduced costs for hot water and heating by re-using heat recovered from areas requiring cooling
› Unique cassette integrating fully flat into architectural ceilings
› Intelligent sensors
- maximise efficiency by raising the indoor set point or switching off the unit if there is nobody in the room
- maximise comfort by directing the air flow away from people to avoid cold draughts
› A complete Daikin mini Building Energy Management System (BEMS), with the Intelligent Touch Manager
› Plug & play connection to air handling units for a healthier office atmosphere
› Hot water production for sanitary use (e.g. kitchens) and space heating (e.g. underfloor loops)
› Truly reliable technical cooling down to -20°C, including duty/standby function

Check on YouTube
www.youtube.com/DaikinEurope

VRV
for hotels

Hospitality with economy



A hotel's reputation depends on how welcome and comfortable guests feel during their stay. Yet at the same time, hotel owners must maintain complete control of their operating costs and energy consumption.

Our solutions for hotels:

› Low cost heating and hot water by recovering heat from areas requiring cooling
› The perfect personal environment for guests by simultaneously heating spaces while cooling others
› Flexible installation: the outdoor unit can be installed outdoors to maximise hospitality space or indoors to minimise external space or noise in city centres
› Concealed ceiling units developed for small, well-insulated rooms such as hotel bedrooms, offering very low sound levels ensuring a good night's rest
› Smart energy management via Intelligent Touch Manager puts the hotel owner in full control of energy costs
› Intelligent and user-friendly hotel room controllers change the set point automatically when a guest leaves the room or opens the window
› Easy integration in hotel booking software
› Hot water production for bathrooms, underfloor heating and radiators up to 80°C

Check on YouTube
www.youtube.com/DaikinEurope

Hotel

Bank / Retail





VRV for retail

Reducing retail costs



Retailers are under pressure to reduce both store development costs and running costs. That is why affordable, energy-efficient solutions are vital for minimising lifetime costs, while ensuring compliance with the latest regulations.

Our retail solutions:

› Compact inverter heat pump technology
› Flexible installation: the outdoor unit can be installed outdoors to maximise commercial space or indoors to minimise external space or noise in city centres
› Unique round flow cassettes with autocleaning panel saving up to 50% of energy use compared to standard cassette units
› Intuitive touch screen intelligent Tablet Controller allowing multi site control via the Daikin Cloud Service
› Easy to use remote control with lock-key function to avoid improper use
› Individual control of each indoor unit or shop zone
› Savings on runningcost via pre/post trade modes, limiting energy use by lights, air conditioning, ...
› The most efficient open-door solution with Biddle air curtains

VRV for residential use

There is no place like home



A cost effective, low energy consumption heat pump system for home owners, offering maximum comfort

Our residential solutions:

› Lower CO_2 emissions compared to traditional heating systems
› Compact outdoor unit design with a low sound level
› Whisper-quiet indoor units down to 19dBA
› Daikin Emura, iconic design wall mounted unit
› Unique Nexura floor standing unit offering the feel of a radiator with the efficiency of a heat pump
› Units to be concealed in the wall or ceiling to make them completely unnoticed
› User-friendly, intuitive touch control, controlling your entire shop including lights, sensors, ...
› Manage and control multiple shops from a central location via the Daikin Cloud Service
› Up to 9 indoor units that can be connected to one outdoor unit

Want to know more about our commercial solutions?



Check on YouTube

www.youtube.com/DaikinEurope

Residential





EIFFAGE ENERGIE ET EIFFAGE ENERGIE THERMIE
OFFICE BUILDING
VRV IV HEAT PUMP WITH CONTINUOUS HEATING



PARK PHI
BREEAM EXCELLENT OFFICE BUILDING
WATERCOOLED VRV



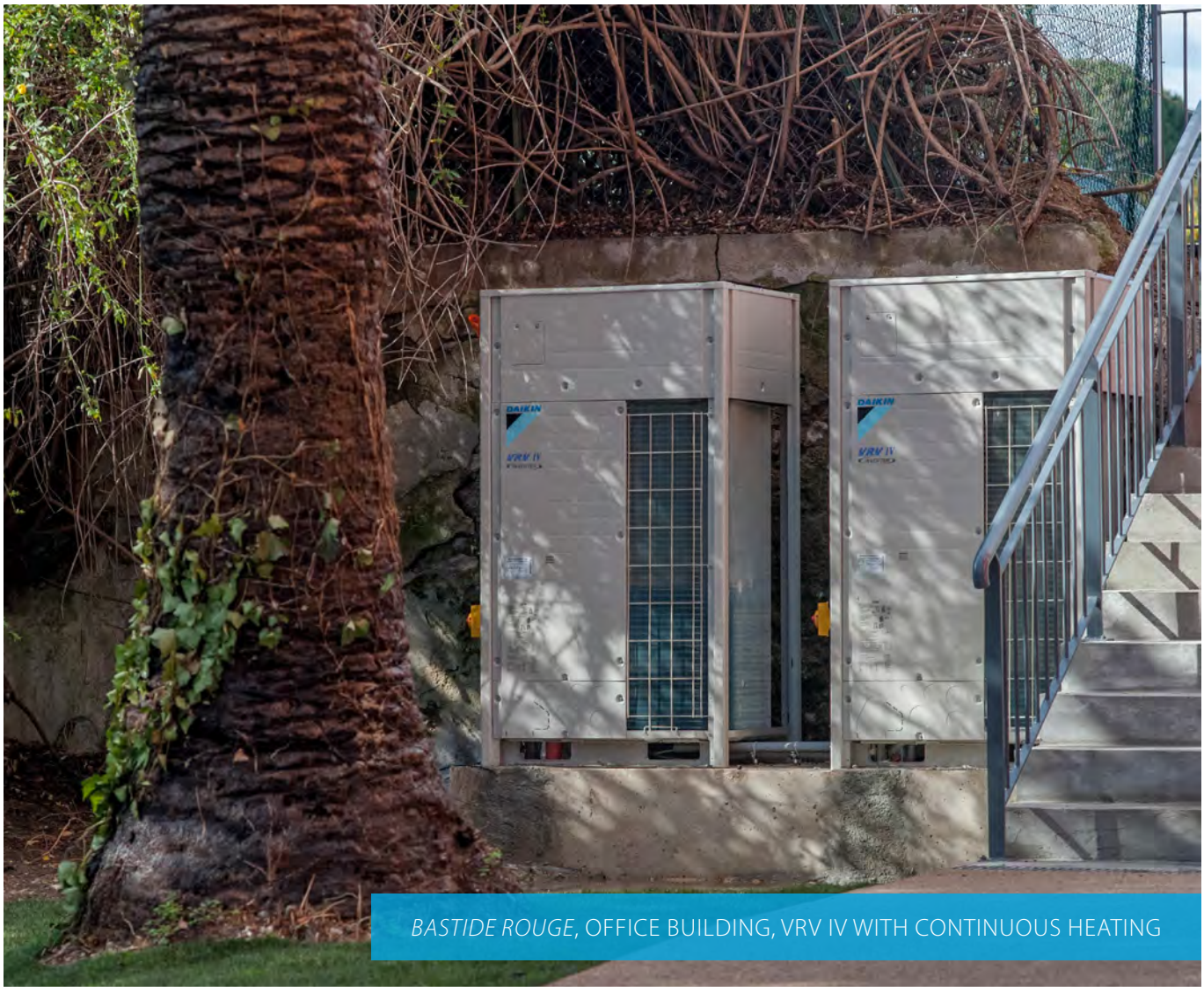
HIGH STREET STORE GHENT
VRV IV I-SERIES



HOTEL LE PIGONNET, 8 REPLACEMENT VRV



VRV IV S-SERIES



BASTIDE ROUGE, OFFICE BUILDING, VRV IV WITH CONTINUOUS HEATING

Products overview VRV

	Model		Product name	4	5	6	8	10	12	13	14	16	18	20	22	24	26	28	30
Air cooled - heat recovery	NEW VRV IV heat recovery	Best efficiency & comfort solution › Fully integrated solution with heat recovery for maximum efficiency › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains › "Free" heating and hot water through heat recovery › The perfect personal comfort for guests/tenants via simultaneous cooling and heating › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature and continuous heating › Allows technical cooling › Widest range of BS boxes on the market	REYQ-U VRV IV+ 				●	●	●		●	●	●	●					
								○		○		○	○	○	○	○	○	○	○
Air cooled - heat pump	NEW VRV IV heat pump with continuous heating	Daikin's optimum solution with top comfort › Continuous heating during defrost › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains › Connectable to stylish indoor units (Daikin Emura, Nexura) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature and continuous heating	RYYQ-U VRV IV+ 				●	●	●		●	●	●	●					
												○	○	○	○	○	○	○	○
	NEW VRV IV heat pump without continuous heating	Daikin's solution for comfort & low energy consumption › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains › Connectable to stylish indoor units (Daikin Emura, Nexura) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYQ-U VRV IV+ 				●	●	●		●	●	●	●					
												○	○	○	○	○	○	○	○
	VRVIV-S series Compact	The most compact VRV › Compact and lightweight single fan design saves space and is easy to install › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains › Either connect VRV of stylish indoor units (Daikin Emura, Nexura) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYSCQ-TV1 VRV IV S-series Compact 	●	●															
	VRVIV-S series	Space saving trunk design for flexible installation › Space saving trunk design for flexible installation › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains › Either connect VRV of stylish indoor units (Daikin Emura, Nexura) › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYSQT8V/T8Y/TY1 VRV IV S-series  T8V	●	●	●														
			T8Y/TY1	●	●	●	●	●	●										
	UNIQUE VRV IVheat pump for indoor installation	The invisible VRV › Unique VRV heat pump for indoor installation › Total flexibility for any shop location and building type as the outdoor unit is invisible and split up in 2 parts › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature › Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation and Biddle air curtains	SB.RKXYQ-T(8) VRV IV i-series 		○		○													
	NEW VRV IV heat pump, optimised for cold climates	Where heating is priority without compromising on efficiency › Suitable for single source heating › Extended operation range down to -25°C in heating › Stable heating capacity without any capacity loss down to -15°C	RXYLQ-T VRV IV C+series 					●	●			●	○	○	○	○	○	○	○	○
Replacement	heat recovery	Quick & quality replacement for R-22 and R-407C systems › Cost-effective and fast replacement through re-use of exisiting piping › Drastically improve your comfort, efficiency and reliability › No interuption of daily business while replacing your system › Replace Daikin and other manufacturers systems safely	RQCEQ-P3 VRVIII-Q 					○		○		○	○	○	○	○	○	○	○
	NEW heat pump	Quick & quality replacement for R-22 and R-407C systems › Cost-effective and fast replacement through re-use of exisiting piping › Drastically improve your comfort, efficiency and reliability › No interuption of daily business while replacing your system › Replace Daikin and other manufacturers systems safely › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYQQ-U VRV IV Q+serie 		●		●	●	●		●	●	●	●					
												○	○	○	○	○	○	○	○
Water cooled	Water cooled VRV IV	Ideal for high rise buildings, using water as heat source › Reduced CO2 emissions thanks to the use of geothermal energy as a renewable energy source › No need for an external heating or cooling source when used in geothermal mode › Compact & lightweight design can be stacked for maximum space saving › Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature › Variable Water Flow control option increases flexibility and control › Mixed connection of HT hydroboxes and VRV indoor units › Either connect VRV of stylish indoor units (Daikin Emura, Nexura › 2 analogue input signals allowing external control	RWEYQ-T9* VRV IV W+series 				●	●	●		●									
												○	○	○	○	○	○	○	○

Ranges marked with '*' are not Eurovent certified. Multi combinations are not in scope of the Eurovent certification programme

● Single unit
○ Multi combination

Capacity (HP) 32	34	36	38	40	42	44	46	48	50	52	54	Description / Combination	**VRV** indoor units	Residential indoor units	**LT Hydrobox** HXY-A	**HT Hydrobox** HXHD-A	HRV units VAM-, VKM-	**AHU connection** EKEXV- + EKEQMCBA	**AHU connection** EKEXV- + EKEQFCBA	**Air curtains** CYV-DK-	Remarks
												VRV IV⁺ Heat Recovery REYQ-T	○	×	○	○	○	○	×	○	› Standard total system connection ratio limit: 50 ~ 130%
												with only VRV indoor units	✓								
												with LT/HT Hydroboxes	✓		✓	✓	✓				› Max 32 indoor units, even on 16HP and larger systems › Total system connection ratio with HT hydroboxes up to 200% possible
●	●	●	●	●	●	●	●	●	●	●	●	HRV units VAM-, VKM-	✓		✓	✓	✓	✓		✓	› Dedicated systems (with only ventilation units) not allowed – a mix with standard VRV indoor units is allways neccessary
												AHU connection EKEXV + EKEQMCBA	✓				✓	✓		✓	
												Biddle air curtain CYV-DK-	✓				✓	✓		✓	› Total system connection ratio with AHU is 50 ~ 110%
												VRV IV⁺ Heat Pump RYYQ-T(8) / RXYQ-T(9)	○	○	○	×	○	○	○	○	› Standard total system connection ratio limit: 50 ~ 130%
												with only VRV indoor units	✓								› 200% total system connection ratio possible under special circumstances
●	●	●	●	●	●	●	●	●	●	●	●	with residential indoor units	✓	✓			✓				› Only single-module systems (RYYQ 8~20 T / RXYQ 8~20 T) › Max 32 indoor units, even on 16HP, 18HP and 20HP systems › Connection ratio: 80 ~ 130%
												with LT Hydroboxes	✓		✓		✓				› Max 32 indoor units, even on 16HP and larger systems › Contact Daikin in case of multi-module systems (>20HP)
												HRV units VAM-, VKM-	✓	✓	✓		✓	✓		✓	
												AHU connection EKEXV + EKEQMCBA	✓				✓	✓		✓	› Total system connection ratio with AHU is 50 ~ 110%
												AHU connection EKEXV + EKEQFCBA							✓		
●	●	●	●	●	●	●	●	●	●	●	●	Biddle air curtain CYV-DK-	✓				✓	✓		✓	
												VRV IV-S RXYSQ-/RXYSCQ-	○	○	×	×	○	○	×	○	› Standard total system connection ratio limit: 50 ~ 130%
												with VRV indoor units only	✓				✓	✓		✓	
												with residential indoor units only		✓							› With residential indoor: connection ratio limit: 80 ~ 130%
												VRV IV i series SB.RKXYQ-T(8)	✓	×	×	×	✓	✓	×	✓	› Standard total system connection ratio limit: 50 ~ 130%
												VRV IV-C⁺ series RXYLQ-T	○	○	○	×	○	○	○	○	› Standard total system connection ratio limit: 70 ~ 130%
												with VRV indoor units only	✓				✓			✓	
												with residential indoor units only		✓							› With residential indoor: connection ratio limit: 80 ~ 130%
●	●	●	●	●	●							with LT hydroboxes	✓		✓		✓				› Max. 32 indoor units, contact Daikin in case of multi-module systems (> 14HP)
												AHU connection EKEXV + EKEQMCBA	✓				✓	✓		✓	› Total system connection ratio is 70~110%
												AHU connection EKEXV + EKEQFCBA	✓						✓		› With AHU only connection ration is 90~110%
												VRV III-Q⁺ series Replacement H/R RQCEQ-P3	✓	×	×	×	✓	×	×	×	› Standard total system connection ratio limit: 50 ~ 130%
●	●	●	●	●	●							**VRV IV-Q Replacement H/P** RXYQQ-T	✓	×	×	×	✓	✓	×	✓	› Standard total system connection ratio limit: 50 ~ 130%
												VRV IV-W⁺ series Water-cooled VRV RWEYQ-T9	○	○	×	○	○	○	○	○	› Standard total system connection ratio limit: 50 ~ 130%
												with VRV indoor units	✓			✓	✓	✓	✓	✓	
												with split indoor units	✓	✓			✓				› Only single-module systems (RWEYQ8-14T9) › Max 32 indoor units › Connection ratio: 80 ~ 130%
●	●	●	●	●	●							with HT hydrobox	✓			✓					
												AHU connection	✓					✓			› Total system connection ratio with AHU + X indoor is 50 ~ 110% › Total system connection ration with AHU only is 90~ 110%

○ ... connection of indoor unit possible, but not neccessarily simultaneously with other allowed indoor units
✓ ... connection of indoor unit possible even simultaneously with other checked units in the same row
× ... connection of indoor not possible on this outdoor unit system

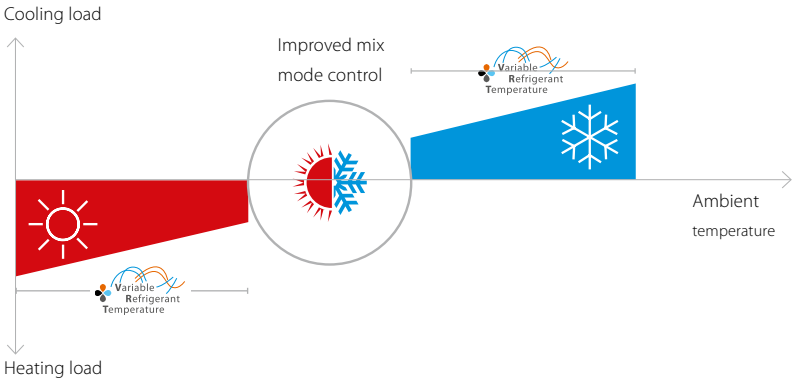


VRV IV Heat Recovery

Innovation in detail

Improved efficiency

In heat-recovery operation the VRV IV is up to 15% more efficient compared to VRV III. In single mode operation, the seasonal efficiency of the system can be even as much as 28% higher - thanks to the variable refrigerant temperature technology - compared to a conventional VRF system.



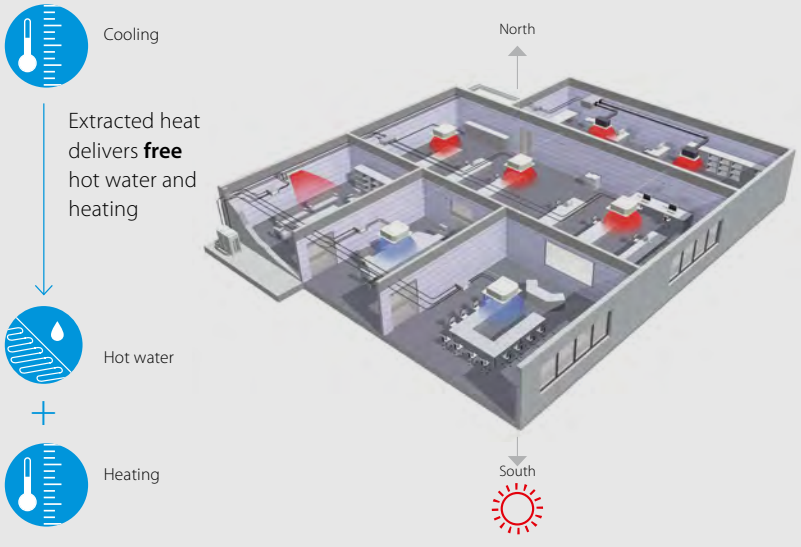
"Free" heat and hot water production

An integrated heat recovery system reuses heat from offices, server rooms, to warm other areas or create hot water.

Maximum comfort

A VRV heat-recovery system allows simultaneous cooling and heating.

› For hotel owners, this means a perfect environment for guests as they can freely choose between cooling or heating.
› For offices, it means a perfect working indoor climate for both north and south-facing offices.



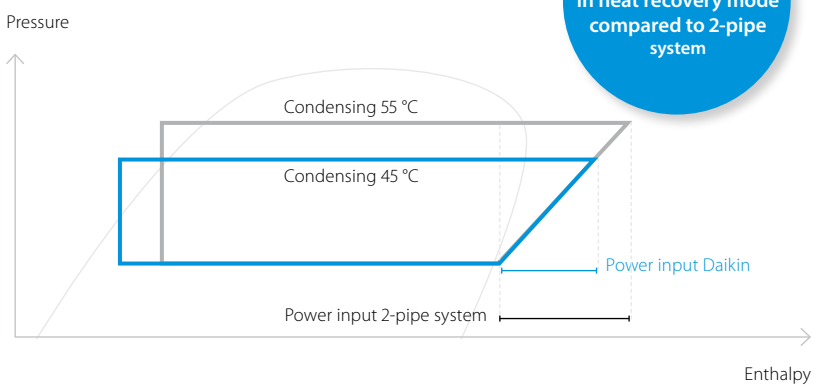
Advantages of 3-pipe technology

More "free" heat

Daikin 3-pipe technology needs less energy to recover heat, meaning significantly higher efficiency during heat recovery mode. Our system can recover heat at a low condensing temperature because it has dedicated gas, liquid and discharge pipes.

In a 2-pipe system, gas and liquid travel as a mixture so the condensing temperature needs to be higher in order to separate the mixed gas and liquid refrigerant. The higher condensing temperature means more energy is used to recover heat resulting in lower efficiency.

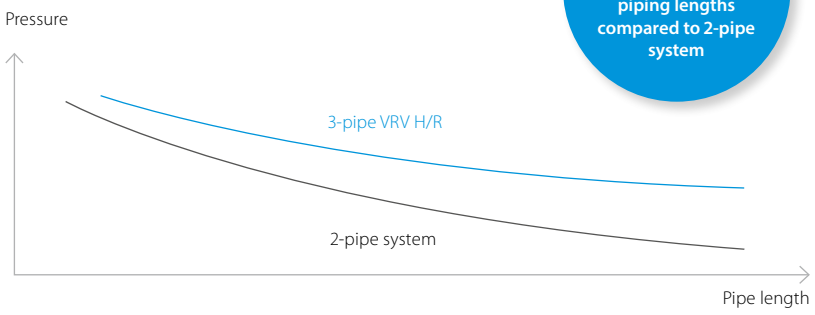
5 to 15% more efficient in heat recovery mode compared to 2-pipe system



Lower pressure drop means more efficiency

- Smooth refrigerant flow in 3-pipe system thanks to 2 smaller gas pipes results in higher energy efficiency
- Disturbed refrigerant flow in large gas pipe on 2-pipe system results in bigger pressure drop

Up to 5% more cooling capacity available at longer piping lengths compared to 2-pipe system



Maximum design flexibility and installation speed

- Quickly and flexibly design your system with a unique range of single and multi BS boxes.
- A wide variety of compact and lightweight multi BS boxes greatly reduces installation time.
- Free combination of single and multi BS boxes

Single port



BS1Q 10,16,25A

Multi port: 4 – 6 – 8 – 10 – 12 – 16



BS 4 Q14 A



BS 6, 8 Q14 A

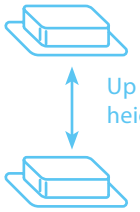


BS 10, 12 Q14 A



BS 16 Q14 A

VRV IV+ heat recovery



Best efficiency & comfort solution

- Fully integrated solution with heat recovery for maximum efficiency with COPs of up to 8 !
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains
- „Free" heating and hot water production provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
- The perfect personal comfort for guests/tenants via simultaneous cooling and heating
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor
- Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.
- Free combination of outdoor units to meet installation space or efficiency requirements
- Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 1,000m
- Possibility to extend the operation range in cooling down to -20°C for technical cooling operation such as server rooms
- Contains all standard VRV features

ErP 2021 COMPLIANT

Already fully compliant
to LOT 21 - Tier 2

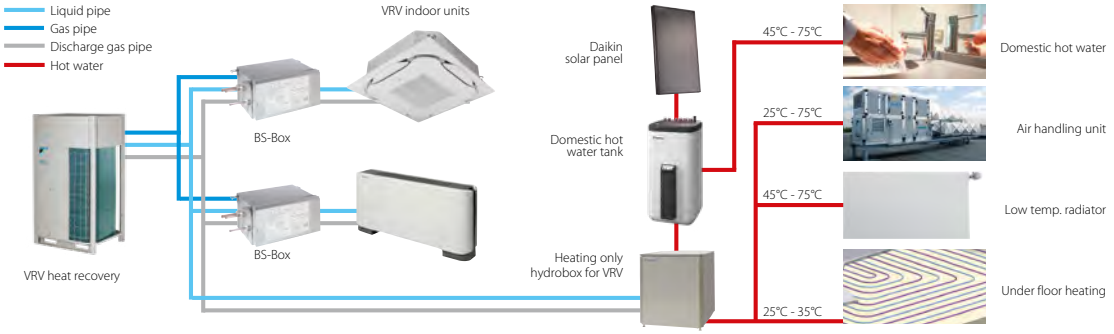
Published data with real-life indoor units

Outdoor unit				REYQ	8U	10U	12U	14U	16U	18U	20U
Capacity range				HP	8	10	12	14	16	18	20
Cooling capacity	Prated,c			kW	22.4	28.0	33.5	40.0	45.0	50.4	52.0
Heating capacity	Prated,h			kW	13.7	16.0	18.4	20.6	23.2	27.9	31.0
	Max.	6°CWB		kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0
ηs,c				%	260.0	250.0	240.0		230.0		
ηs,h				%	146.8	152.3	155.5	137.0	138.9	149.1	148.1
SEER					-						
SCOP					-						
Maximum number of connectable indoor units					64						
Indoor index connection	Min.				100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Nom.				-						
	Max.				260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	210	218		304	305	337	
Sound power level	Cooling	Nom.		dBA	78.0	79.0	81.0		86.0		88.0
Sound pressure level	Cooling	Nom.		dBA	58.0		61.0		64.0	65.0	66.0
Operation range	Cooling	Min.~Max.		°CDB	-5.0~43.0						
	Heating	Min.~Max.		°CWB	-20.0~15.5						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	9.7/20.2	9.8/20.5	9.9/20.7	11.8/24.6			
Piping connections	Liquid	OD		mm	952		127		159		
	Gas	OD		mm	19.1	22.2	28.6				
	HP/LP gas	OD		mm	15.9	19.1		22.2		28.6	
	Total piping length	System	Actual	m	1,000						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

Outdoor unit System				REYQ	10U	13U	16U	18U	20U	22U	24U	26U	28U	30U	32U
System	Outdoor unit module 1				REMQ5U			REYQ8U		REYQ10U	REYQ8U		REYQ12U		REYQ16U
	Outdoor unit module 2				REMQ5U	REYQ8U		REYQ10U	REYQ12U		REYQ16U	REYQ14U	REYQ16U	REYQ18U	REYQ16U
Capacity range				HP	10	13	16	18	20	22	24	26	28	30	32
Cooling capacity	Prated,c			kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5	83.9	90.0
Heating capacity	Prated,h			kW	16.0	21.7	23.2	27.9	31.0	34.4	36.9	37.1	39.7	44.4	46.4
	Max.	6°CWB		kW	32.0	41.0	50.0	56.5	62.5	69.0	75.0	82.5	87.5	94.0	100.0
ηs,c				%	250		260	255	250	245		240	235		230
ηs,h				%	156.4	148.9	147.4	150.8	152.3	155.7	147.5	151.0	150.9	152.9	138.9
SEER					5.7	5.8	5.7	5.6	5.5	5.4	5.5	5.6		5.5	
SCOP					4.0		3.8		3.9	4.0		3.8		3.9	3.5
Maximum number of connectable indoor units					64										
Indoor index connection	Min.				125.0	163.0	200.0	225.0	250.0	275.0	300.0	325.0	350.0	375.0	400.0
	Nom.				-										
	Max.				325.0	423.0	520.0	585.0	650.0	715.0	780.0	845.0	910.0	975.0	1,040.0
Piping connections	Liquid	OD		mm	952	127		159				191			
	Gas	OD		mm	22.2	28.6					34.9				
	HP/LP gas	OD		mm	19.1		22.2		28.6						
	Total piping length	System	Actual	m	500					1,000					
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415										
Current - 50Hz	Maximum fuse amps (MFA)			A	40		50			63				80	



REYQ10,13,16,18,20,22U



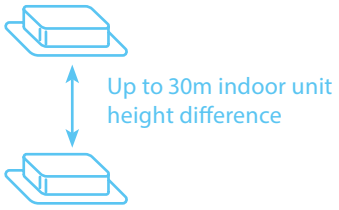
Outdoor unit System + Module				REYQ	34U	36U	38U	40U	42U	44U	46U	48U	50U	52U	54U
System	Outdoor unit module 1				REYQ16U		REYQ8U	REYQ10U		REYQ12U	REYQ14U		REYQ16U		REYQ18U
	Outdoor unit module 2				REYQ18U	REYQ20U	REYQ12U		REYQ16U					REYQ18U	
	Outdoor unit module 3				-		REYQ18T		REYQ16T				REYQ18T		
Capacity range				HP	34	36	38	40	42	44	46	48	50	52	54
Cooling capacity	Prated,c			kW	95.4	97.0	106.3	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
Heating capacity	Prated,h			kW	51.1	54.2	58.1	58.9	60.9	62.9	67.0	69.6	74.3	79.0	83.7
	Max.	6°CWB		kW	106.5	113.0	119.0	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5
ηs,c				%	230		243	240	236	233			230		
ηs,h				%	146.8	146.1	151.3	153.0	145.7	145.6	138.2	138.9	144.1	148.0	149.6
SEER					-										
SCOP					-										
Maximum number of connectable indoor units					64										
Indoor index connection	Min.				425.0	450.0	475.0	500.0	525.0	550.0	575.0	600.0	625.0	650.0	675.0
	Nom.				-										
	Max.				1,105.0	1,170.0	1,235.0	1,300.0	1,365.0	1,430.0	1,495.0	1,560.0	1,625.0	1,690.0	1,755.0
Piping connections	Liquid	OD		mm	191										
	Gas	OD		mm	34.9	41.3									
	HP/LP gas	OD		mm	28.6		34.9								
	Total piping length	System	Actual	m	1,000										
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415										
Current - 50Hz	Maximum fuse amps (MFA)			A	80		100					125			

Outdoor unit module				REMQ	5U
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765
Weight	Unit			kg	210
Fan	External static pressure	Max.		Pa	78
Sound power level	Cooling	Nom.		dBA	77.0
Sound pressure level	Cooling	Nom.		dBA	56.0
Operation range	Cooling	Min.~Max.		°CDB	-5.0~43.0
	Heating	Min.~Max.		°CWB	-20.0~15.5
Refrigerant	Type/GWP				R-410A/2,087.5
	Charge			kg/TCO2Eq	9.7/20.2
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	20

(1)Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system (50% ≤ CR ≤ 120%)

*Note: blue cells contain preliminary data

VRV IV heat pump



Daikin's optimum solution with top comfort

- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains
- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor
- Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.
- Free combination of outdoor units to meet installation space or efficiency requirements
- Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 1,000m
- Available as heating only by irreversible field setting
- Contains all standard VRV features

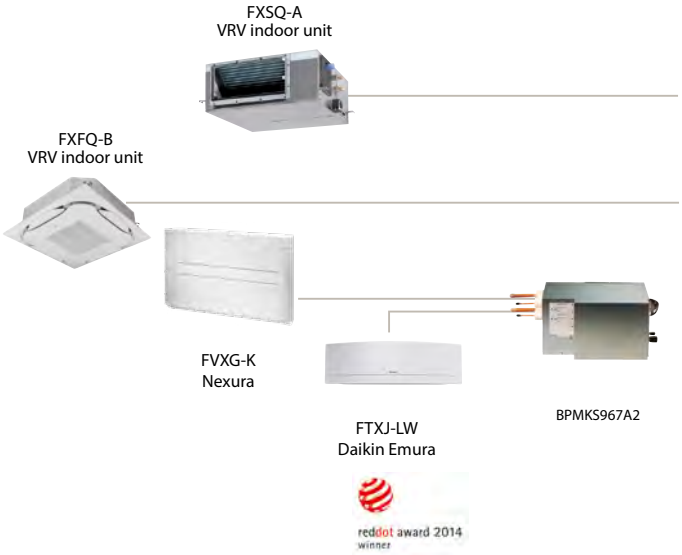
ErP 2021 COMPLIANT

Already fully compliant
to LOT 21 - Tier 2

Published data with real-life indoor units

Outdoor unit				RYYQ/RXYQ	8U	10U	12U	14U	16U	18U	20U
Capacity range				HP	8	10	12	14	16	18	20
Cooling capacity	Prated,c			kW	22.4	28.0	33.5	40.0	45.0	50.4	52.0
Heating capacity	Prated,h			kW	13.7	16.0	18.4	20.6	23.2	27.9	31.0
	Max.	6°CWB		kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0
ηs,c				%	260.0	250.0	240.0	240.0	230.0	230.0	
ηs,h				%	142.0	147.2	149.6	137	137.0	141.4	145.4
SEER					-						
SCOP					-						
Maximum number of connectable indoor units					64						
Indoor index connection	Min.				100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Nom.				-						
	Max.				260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	243	252		356		391	
Sound power level	Cooling	Nom.		dBA	78.0	79.0	81.0		86.0		88.0
Sound pressure level	Cooling	Nom.		dBA	58.0		61.0		64.0	65.0	66.0
Operation range	Cooling	Min.~Max.		°CDB	-5.0~43.0						
	Heating	Min.~Max.		°CWB	-20.0~15.5						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg/TCO2Eq	5.9/12.3	6.0/12.5	6.3/13.2	10.3/21.5	10.4/21.7	11.7/24.4	11.8/24.6
Piping connections	Liquid	OD		mm	952		127			159	
	Gas	OD		mm	19.1	22.2	28.6				
	Total piping length	System	Actual	m	1,000						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

Outdoor unit system				RYYQ/RXYQ	22U	24U	26U	28U	30U	32U	34U	36U	38U	40U
Capacity range				HP	22	24	26	28	30	32	34	36	38	40
Cooling capacity	Prated,c			kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	97.0	102.4	111.9
Heating capacity	Prated,h			kW	34.4	36.9	37.1	39.7	44.4	46.4	51.1	56.4	59.4	58.9
	Max.	6°CWB		kW	69.0	75.0	82.5	87.5	94.0	100.0	106.5	113.0	119.5	125.5
ηs,c				%	245	245	240	235	235	230	230	230	243	240
ηs,h				%	150.0	144.5	143.8	142.6	138.8	137.0	141.8	145.7	147.6	145.7
SEER					-									
SCOP					-									
Maximum number of connectable indoor units					64									
Indoor index connection	Min.				275.0	300.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0	500.0
	Nom.				-									
	Max.				715.0	780.0	845.0	910.0	975.0	1,040.0	1,105.0	1,170.0	1,235.0	1,300.0
Piping connections	Liquid	OD		mm	159		191							
	Gas	OD		mm	28.6	34.9						41.3		
	Total piping length	System	Actual	m	1,000									
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415									
Current - 50Hz	Maximum fuse amps (MFA)			A	63				80				100	





RYYQ8-12U / RXYQ8-12U

Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura - Wall mounted unit	FTXJ-LW/LS		•	•	•		•		
Wall mounted unit	CTXM-M	•			•				
Wall mounted unit	FTXM-N		•	•	•	•	•	•	•
Nexura - Floor standing unit	FVXG-K			•	•		•		
Floor standing unit	FVXM-F			•	•		•		
Flexi type unit	FLXS-B(9)			•	•		•	•	

BPMKS box needed to connect RA indoors to VRV IV (RYYQ / RXYQ)

Outdoor unit system			**RYYQ/RXYQ**	**42U**	**44U**	**46U**	**48U**	**50U**	**52U**	**54U**
Capacity range			HP	42	44	46	48	50	52	54
Cooling capacity	Prated,c		kW	118.0	123.5	130.0	135.0	140.4	145.8	151.2
Heating capacity	Prated,h		kW	60.9	62.9	67.0	69.6	74.3	79.0	83.7
	Max.	6°CWB	kW	131.5	137.5	145.0	150.0	156.5	163.0	169.5
ηs,c			%	236	233	233	230	230	230	230
ηs,h			%	143.3	143.2	136.9	137.0	139.9	142.0	142.1
SEER				-						
SCOP				-						
Maximum number of connectable indoor units				64						
Indoor index connection	Min.			525.0	550.0	575.0	600.0	625.0	650.0	675.0
	Nom.			-						
	Max.			1,365.0	1,430.0	1,495.0	1,560.0	1,625.0	1,690.0	1,755.0
Piping connections	Liquid	OD	mm	191						
	Gas	OD	mm	41.3						
	Total piping length	System	Actual m	1,000						
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)		A	100			125	125		

Outdoor unit module			**RYMQ**	**8U**	**10U**	**12U**	**14U**	**16U**	**18U**	**20U**
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765			1,685x1,240x765			
Weight	Unit		kg	188	195		309		319	
Fan	Air flow rate	Cooling Nom.	m^3/min	162	175	185	223	260	251	261
	External static pressure	Max.	Pa	78						
	Discharge direction			Vertical						
	Type			Propeller fan						
Sound power level	Cooling	Nom.	dBA	78	79	81		86	86.0	88.0
Sound pressure level	Cooling	Nom.	dBA	58		61		64	65.0	66.0
Operation range	Cooling	Min.~Max.	°CDB	-5~43					-5.0~43.0	
	Heating	Min.~Max.	°CWB	-20~15.5					-20.0~15.5	
Refrigerant	Type/GWP			R-410A/2,087.5						
	Charge		kg/TCO2Eq	5.9/12.3	6/12.5	6.3/13.2	10.3/21.5	10.4/21.7	11.7/24.4	11.8/24.6
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)		A	20	25	32		40	40	50

(1)Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%)

*Note: blue cells contain preliminary data



VRV IV S-series heat pump

RXYSCQ-TV1 / RXYSQ-T8V / RXYSQ-T8Y

Variable Refrigerant Temperature

A wide range, big on features

They may be discreet, but Daikin VRV IV S-series units stand out when it comes to benefits they deliver. They provide the perfect indoor climate, while remaining totally discreet from the outside. If you need efficient and effective air conditioning from a completely unnoticeable unit, look no further.

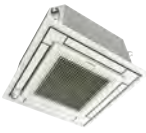
Features

- A wide range of stylish residential or commercial indoor units can be connected
- A total air conditioning solution integrating air handling units and/or air curtains
- Complete reliability thanks to refrigerant-cooled PCB
- Suitable for bigger projects of up to 150 to 200m^2
- Light weight unit (down to 88kg) is easy to install and handle
- A perfect match for any application thanks to the wide range of small-footprint units
- Widest range of front blow units on the market

Total solution



Daikin Emura
wall mounted unit



Fully flat cassette



Biddle air curtain



Nexura
Floor standing unit





Air handling unit for ventilation



8-10-12HP
(three phase)



4-5-6HP
(single & three phase)



4-5HP
(single phase)

Most compact unit on the market 823mm high & 88kg

823mm

Compact:
Easy for a two person crew to move and install.

YouTube

www.youtube.com/DaikinEurope

VRV IV S-series compact heat pump

The most compact VRV

- Compact & lightweight single fan design makes the unit almost unnoticeable
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Nexura ...
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- Contains all standard VRV features



RXYSCQ-TV1

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Only 823mm high!

Published data with real-life indoor units

Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCAG-B				•		•	•	•
Fully flat cassette	FFA-A9			•	•		•	•	
Slim concealed ceiling unit	FDXM-F9			•	•		•	•	
Concealed ceiling unit with inverter driven fan	FBA-A(9)			•	•		•	•	
Daikin Emura - Wall mounted unit	FTXJ-LW/LS		•	•	•		•		
Wall mounted unit	CTXM-M	•			•				
Wall mounted unit	FTXM-N		•	•	•	•	•	•	•
Ceiling suspended unit	FHA-A(9)				•		•	•	
Nexura - Floor standing unit	FVXG-K			•	•		•		
Floor standing unit	FVXM-F			•	•		•		
Concealed floorstanding unit	FNA-A9			•	•		•	•	
Flexi type unit	FLXS-B(9)			•	•		•	•	

Outdoor unit			RXYSCQ	4TV1	5TV1
Capacity range			HP	4	5
Cooling capacity	Prated,c		kW	12.1	14.0
Heating capacity	Prated,h		kW	8.4	9.7
	Max.	6°CWB	kW	14.2	16.0
ηs,c			%	322.8	303.4
ηs,h			%	182.3	185.1
SEER				8.1	7.7
SCOP				4.6	4.7
Maximum number of connectable indoor units				64	
Indoor index connection	Min.			50.0	62.5
	Nom.			-	
	Max.			130.0	162.5
Dimensions	Unit	HeightxWidthxDepth	mm	823x940x460	
Weight	Unit		kg	94	
Sound power level	Cooling	Nom.	dBA	68.0	69.0
Sound pressure level	Cooling	Nom.	dBA	51.0	52.0
Operation range	Cooling	Min.~Max.	°CDB	-5.0~46.0	
	Heating	Min.~Max.	°CWB	-20.0~15.5	
Refrigerant	Type/GWP			R-410A/2,087.5	
	Charge		kg/TCO2Eq	3.7/7.7	
Piping connections	Liquid	OD	mm	952	
	Gas	OD	mm	15.9	
	Total piping length	System Actual	m	300	
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)		A	32	

(1)Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤130%).

VRV IV S-series heat pump

Space saving solution without compromising on efficiency

- Space saving trunk design for flexible installation
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Nexura ...
- Wide range of units (4 to 12HP) suitable for projects up to 200m^2 with space limitations
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- Contains all standard VRV features



RXYSQ4-6T8V_T8Y

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCAG-B				●		●	●	●
Fully flat cassette	FFA-A9			●	●		●	●	
Slim concealed ceiling unit	FDXM-F9			●	●		●	●	
Concealed ceiling unit with inverter driven fan	FBA-A(9)			●	●		●	●	
Daikin Emura - Wall mounted unit	FTXJ-LW/LS		●	●	●		●		
Wall mounted unit	CTXM-M	●			●				
Wall mounted unit	FTXM-N		●	●	●	●	●	●	●
Ceiling suspended unit	FHA-A(9)				●		●	●	
Nexura - Floor standing unit	FVXG-K			●	●		●		
Floor standing unit	FVXM-F			●	●		●		
Concealed floorstanding unit	FNA-A9			●	●		●	●	
Flexi type unit	FLXS-B(9)			●	●		●	●	

Outdoor unit			RXYSQ/RXYSQ/RXYSQ	4T8V	5T8V	6T8V	4T8Y	5T8Y	6T8Y	8TY1	10TY1	12TY1
Capacity range			HP	4	5	6	4	5	6	8	10	12
Cooling capacity	Prated,c		kW	12.10	14.00	15.50	12.10	14.00	15.50	22.4	28.0	33.5
Heating capacity	Prated,h		kW	8.00	9.20	10.20	8.00	9.20	10.20	14.9	19.6	23.5
	Max.	6°CWB	kW	14.2	16.0	18.0	14.2	16.0	18.0	25.0	31.5	37.5
ηs,c			%	278.9	270.1	278.0	269.2	260.5	268.3	247.3	247.4	256.5
ηs,h			%	171.6	182.9	192.8	154.4	164.5	174.1	165.8	162.4	169.6
SEER				7.0	6.8	7.0	6.8	6.6	6.8	6.3		6.5
SCOP				4.4	4.6	4.9	3.9	4.2	4.4	4.2	4.1	4.3
Maximum number of connectable indoor units				64								
Indoor index connection	Min.			50.0	62.5	70.0	50.0	62.5	70.0	100.0	125.0	150.0
	Nom.			-								
	Max.			130.0	162.5	182.0	130.0	162.5	182.0	260.0	325.0	390.0
Dimensions	Unit	HeightxWidthxDepth	mm	1,345x900x320						1,430x940x320	1,615x940x460	
Weight	Unit		kg	104						144	175	180
Sound power level	Cooling	Nom.	dBA	68.0	69.0	70.0	68.0	69.0	70.0	73.0	74.0	76.0
Sound pressure level	Cooling	Nom.	dBA	50.0	51.0		50.0	51.0		55.0		57.0
Operation range	Cooling	Min.~Max.	°CDB	-5.0~46.0						-5.0~52.0		
	Heating	Min.~Max.	°CWB	-20.0~15.5								
Refrigerant	Type/GWP			R-410A/2,087.5								
	Charge		kg/TCO2Eq	3.6/7.5						5.5/11.5	7.0/14.6	8.0/16.7
Piping connections	Liquid	OD	mm	952								127
	Gas	OD	mm	15.9		19.1	15.9		19.1		22.2	25.4
	Total piping length	System Actual	m	300								
Power supply	Phase/Frequency/Voltage		Hz/V	1N~/50/220-240			3N~/50/380-415					
Current - 50Hz	Maximum fuse amps (MFA)		A	32			16			25		32

(1)Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤130%).


PIPE RUN OF 70m ALLOWS
INSTALLATION AWAY FROM THE HOUSE


LARGE VILLA APPLICATION


PARAPET INSTALLATION


OFFICE ROOFTOP INSTALLATION



VRV IV heat pump for indoor installation

SB.RKXYQ-T(8)

Keep looking you'll never find me

You can install highly efficient, reliable Daikin air conditioning systems in the most demanding locations while remaining invisible from street level.

Invisible

› Completely invisible only the grilles are visible
› Seamless integration into surrounding architecture
› Highly suited to densely populated areas thanks to the low operation sound

Intuitive

› Total flexibility as the outdoor unit is split up in 2 parts
› Easy and quick to transport and install by just 2 persons
› Easy servicability, all components can be easily reached

Intelligent

› Patented V-shape heat exchanger for the most compact unit (400 mm high) ever
› Connectable to all VRV indoor units
› Provides a total solution when combined with ventilation units, Biddle air curtains and controls

Unique concept with 5 patents

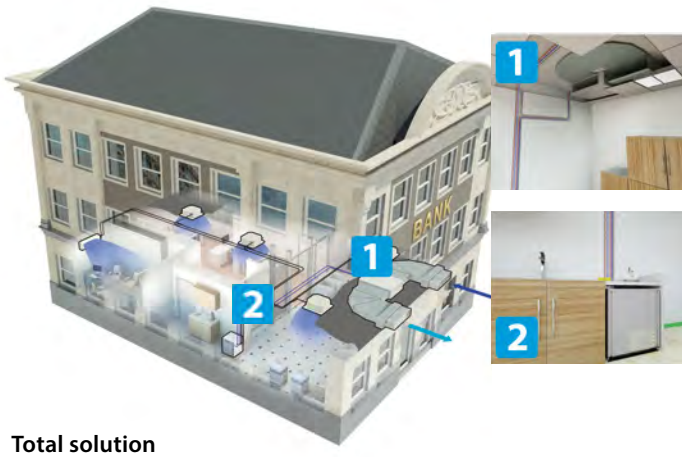
Variable Refrigerant Temperature

Invisible





Unique outdoor unit in 2 parts



Total solution


VRV indoor units


control systems


Biddle air curtain and ventilation

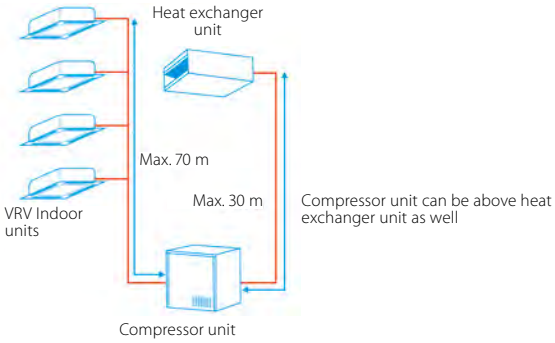
VRV IV heat pump for indoor installation

The invisible VRV

› Unique VRV heat pump for indoor installation



› Unrivalled flexibility because the unit is split up into two elements: the heat exchanger and the compressor



› Highly suited to densely populated areas thanks to the low operation sound and seamless integration into surrounding architecture as only the grille is visible
› Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator and full inverter compressors
› Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains



SB.RKXYQ5T8

› Lightweight units (max. 105kg) can be installed by two people
› Unique V-shape heat exchanger results in compact dimensions (h/e unit only 400mm high) allowing false ceiling installation, while ensuring top efficiency
› Super efficient centrifugal fans (over 50% efficiency increase compared to sirocco fan)
› Small footprint compressor unit (760 x 554 mm) maximizing useable floor space
› Contains all standard VRV features

ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

tables.titles.system				SB.RKXYQ	5T8	8T
System	Heat exchanger unit				RDXYQ5T8	RDXYQ8T
	Compressor unit				RKXYQ5T8	RKXYQ8T
Capacity range				HP	5	8
Cooling capacity	Prated,c			kW	14.0	22.4
Heating capacity	Prated,h			kW	10.4	12.9
	Max.	6°CWB		kW	16.0	25.0
ηs,c				%	200.1	191.1
ηs,h				%	149.3	140.9
SEER					5.1	4.9
SCOP					3.8	3.6
Maximum number of connectable indoor units					10	17
Indoor index connection	Min.				62.5	100.0
	Nom.				-	
	Max.				162.5	260.0
Piping connections	Liquid	OD		mm	-	
	Gas	OD		mm	-	
	Between Compressor module (CM) and heat exchanger module (HM)	Liquid	OD	mm	12.7	
		Gas	OD	mm	19.1	22.2
	Between Compressor module (CM) and indoor units (IU)	Liquid	OD	mm	9.52	
		Gas	OD	mm	15.9	19.1
	Total piping length	System	Actual	m	140	300

				Heat exchanger module - RDXYQ		Compressor module - RKXYQ	
Outdoor unit module				**5T8**	**8T**	**5T8**	**8T**
Dimensions	Unit	HeightxWidthxDepth	mm	397x1,456x1,044		701x600x554	701x760x554
Weight	Unit		kg	95	103	79	105
Fan	Air flow rate	Cooling Nom.	m^3/min	55	100	-	
Sound power level	Cooling	Nom.	dBA	77.0	81	60.0	64
Sound pressure level	Cooling	Nom.	dBA	47.0	54	47.0	48
Refrigerant	Type/GWP			R-410A/-		R-410A/2,087.5	
	Charge		kg/TCO2Eq	-/-		2.00/4.20	4.00/8.35
Power supply	Phase/Frequency/Voltage		Hz/V	1N~/50/220-240		3N~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)		A	10		16	20

(1)Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being; 50% ≤ CR ≤130%).



VRV IV+ heat pump, optimised for cold climates

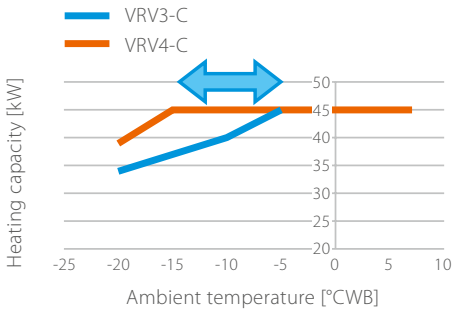
RXYLQ-T

Variable Refrigerant Temperature

Where heating is priority without compromising on efficiency

High heating capacity at low ambient temperatures

› Stable heating capacity available down to -15°C WB!



High partial load efficiency

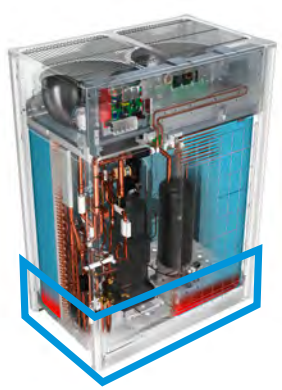
› New vapour injection scroll compressor optimised for low load
- UNIQUE back-pressure control: Pressure port increases pressure below the scroll in low load operation, preventing refrigerant leak and increasing efficiency
- UNIQUE Injection structure with check valve: Prevents volume backflow during low load operation typically occuring with standard vapour injection compressors

› Variable Refrigerant Temperature adjusts refrigerant temperature to match the load



High reliability down to -25°C WB

› Hot gas bypass prevents ice buildup at the bottom of the heat exchanger



ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

High seasonal efficiency

› **Measured with indoor units for real applications!**
› ALL information for indoor units used available on our eco-design website: Already fully compliant https://energylabel.daikin.eu/eu/en_US/lot21.html

Variable Refrigerant Temperature

The known VRV IV standards

- ☑ Variable Refrigerant Temperature
- ☑ VRV configurator

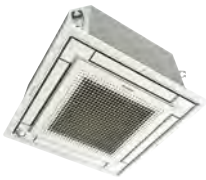
Total solution



Daikin Emura
Wall mounted unit



Nexura
Floor standing unit



Fully flat cassette



Biddle air curtain



touch intelligent Manager



Air handling unit for ventilation



Low temperature hydrobox

VRV heat pump optimised for heating

Where heating is priority without compromising on efficiency

- Specifically developed for heating operation in low ambient conditions, making it suitable for single source heating
- Stable heating capacity down to -15°C, thanks to vapour injection compressor
- Extended operation range down to -25°C in heating
- High reliability in severe conditions, thanks to hot gas bypass circuit in the heat exchanger
- 15% increased heating capacity at high relative humidity (2°CDB/1°CWB and RH=83%) vs previous model
- Shorter defrost and heat up time, compared to standard VRV heat pump
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air cutains
- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor, ...
- Free combination of outdoor units to meet installation space or efficiency requirements
- Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 500m
- Less installation time and smaller footprint compared to previous model thanks to removal of function unit

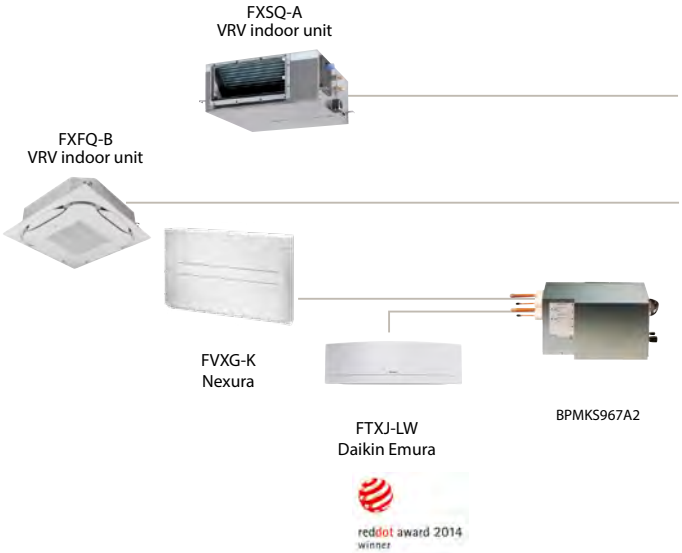
ErP 2021 COMPLIANT

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

Outdoor unit				RXYLQ	10T	12T	14T
Capacity range				HP	10	12	14
Cooling capacity	Prated,c			kW	28	33.5	40
Heating capacity	Prated,h			kW	31.5	37.5	45
	Max.	6°CWB		kW	31.50	37.50	45.00
ηs,c				%	251.4	274.4	270.1
ηs,h				%	144.3	137.6	137.1
SEER					6.36	6.93	6.83
SCOP					3.68	3.51	3.5
Maximum number of connectable indoor units					64 (1)		
Indoor index connection	Min.				175	210	245
	Nom.				250	300	350
	Max.				325	390	455
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x1,240x765		
Weight	Unit			kg	302		
Sound power level	Cooling	Nom.		dBA	77	81	81
Sound pressure level	Cooling	Nom.		dBA	56	59	59
Operation range	Cooling	Min.~Max.		°CDB	-5.0~43.0		
	Heating	Min.~Max.		°CWB	-25.0~16.0		
Refrigerant	Type/GWP				R-410A/2,087.5		
	Charge			kg/TCO2Eq	11.8/24.6		
Piping connections	Liquid	OD		mm	9.5	12.7	
	Gas	OD		mm	22.2	28.6	
	Total piping length	System	Actual	m	500		
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	25	32	

Outdoor unit				RXYLQ	16T	18T	20T	22T	24T	26T	28T
System	Outdoor unit module 1				RXMLQ8T	RXYLQ10T	RXYLQ10T	RXYLQ10T	RXYLQ12T	RXYLQ12T	RXYLQ14T
	Outdoor unit module 2				RXMLQ8T	RXMLQ8T	RXYLQ10T	RXYLQ12T	RXYLQ12T	RXYLQ14T	RXYLQ14T
Capacity range				HP	16	18	20	22	24	26	28
Cooling capacity	Prated,c			kW	44.8	50.4	56	61.5	67	73.5	80
Heating capacity	Prated,h			kW	-						
	Max.	6°CWB		kW	50	56.5	63	69	75	82.5	90
ηs,c				%	-						
ηs,h				%	-						
SEER					-						
SCOP					-						
Maximum number of connectable indoor units					64 (1)						
Indoor index connection	Min.				280	315	350	385	420	455	490
	Nom.				400	450	500	550	600	650	700
	Max.				520	585	650	715	780	845	910
Piping connections	Liquid	OD		mm	12.7	15.9	15.9	15.9	15.9	19.1	
	Gas	OD		mm	28.6	28.6	28.6	28.6	34.9		
	Total piping length	System	Actual	m	500						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	40	45	50	60			





RXYLQ-T

Outdoor unit				RXYLQ	30T	32T	34T	36T	38T	40T	42T
System	Outdoor unit module 1				RXYLQ10T	RXYLQ10T	RXYLQ10T	RXYLQ12T	RXYLQ12T	RXYLQ12T	RXYLQ14T
	Outdoor unit module 2				RXYLQ10T	RXYLQ10T	RXYLQ12T	RXYLQ12T	RXYLQ12T	RXYLQ14T	RXYLQ14T
	Outdoor unit module 3					RXYLQ12T			RXYLQ14T		
Capacity range				HP	30	32	34	36	38	40	42
Cooling capacity	Prated,c			kW	84	89,5	95	101	107	114	120
Heating capacity	Prated,h			kW				-			
	Max.	6°CWB		kW	94,5	100,5	106,5	112,5	120	127,5	135
ηs,c				%				-			
ηs,h				%				-			
SEER								-			
SCOP								-			
Maximum number of connectable indoor units								64 (1)			
Indoor index connection	Min.				525	560	595	630	665	700	735
	Nom.				750	800	850	900	950	1000	1050
	Max.				975	1040	1105	1170	1235	1300	1365
Piping connections	Liquid	OD		mm	19,1	19,1	19,1	19,1	19,1	19,1	19,1
	Gas	OD		mm	34,9	34,9	34,9	41,3		41,3	
	Total piping length	System	Actual	m				500			
Power supply	Phase/Frequency/Voltage			Hz/V				3N~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A			80			90	

Outdoor unit				RXMLQ	8T
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x1,240x765
Weight	Unit			kg	302
Sound power level	Cooling	Nom.		dBA	75,0
Sound pressure level	Cooling	Nom.		dBA	55,0
Operation range	Cooling	Min.~Max.		°CDB	-5.0~43.0
	Heating	Min.~Max.		°CWB	-25.0~16.0
Refrigerant	Type/GWP				R-410A/2,087.5
	Charge			kg/TCO2Eq	11.8/24.6
Piping connections	Liquid	OD		mm	9.5
	Gas	OD		mm	19.1
	Total piping length	System	Actual	m	500
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	20

(1) Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system

Replacement technology

The quick and quality way of upgrading R-22 and R-407C systems

These benefits will convince your customer

Drastically improve your efficiency, comfort and reliability

Avoid loss of business

Replacing now prevents unplanned, lengthy downtime of air conditioning systems. It also avoids loss of business for shops, complaints from guests in hotels, lower working efficiency and loss of tenants in offices.

Quick and easy installation

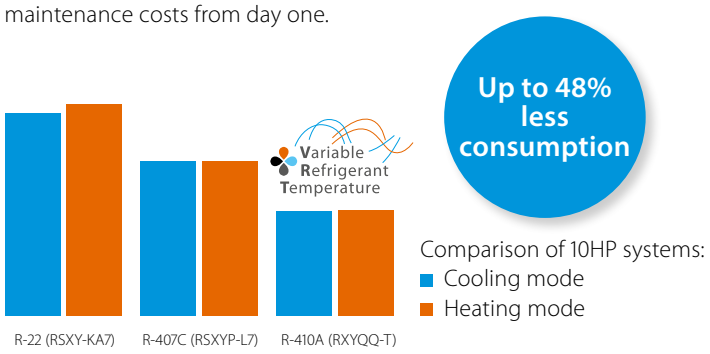
No interruption of daily business while replacing the system thanks to phased-in, fast installation.

Smaller footprint, more performance

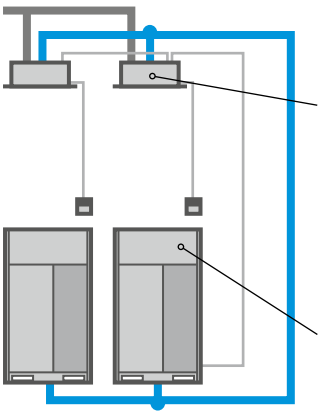
Thanks to a smaller footprint, Daikin outdoor units save space. Also, more indoor units can be connected to the new outdoor unit compared to the old system, allowing to increase capacity.

Lower long-term costs

EU Directives prohibit system repairs with R-22 after January 1, 2015. Delaying the required R-22 replacement until an unplanned system breakdown is a losing game. Replacement day will come. Installing a technically advanced system lowers energy consumption and maintenance costs from day one.



Keep your refrigerant piping



The Daikin low-cost upgrade solution

! Replace indoor units and BS boxes

Contact your local dealer to check compatibility in case you need to keep the indoor units.

! Replace outdoor units

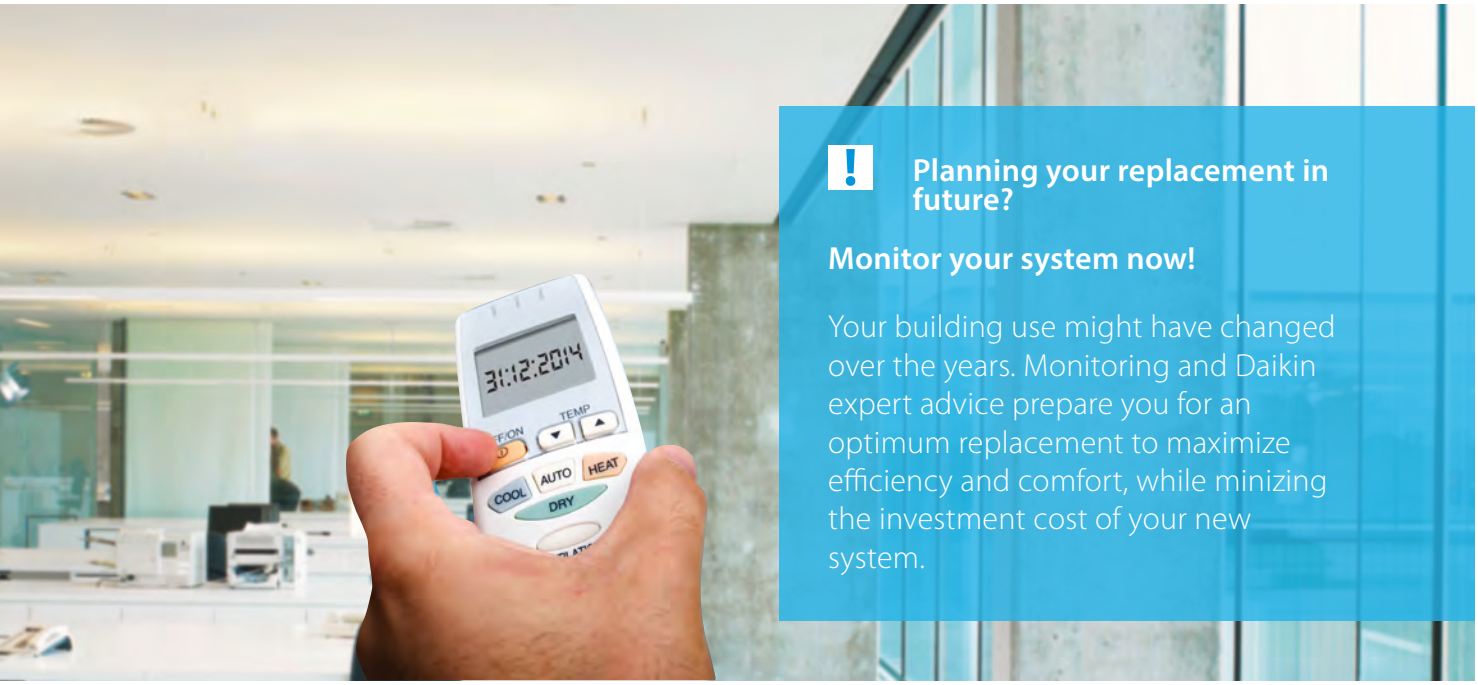
Your copper pipes will last for multiple generations

- copper pipes used in air conditioning systems tested by Daikin will last over 60 years after installation.
- Japan/China have replaced with VRV Q-series already 10 years ago!

Umeda Center Building, Japan

- original A/C system: 20 years in use
- replacement with VRV Q-series: 2006 - 2009
- capacity up from 1620HP to 2322HP
- SHASE renewal award: 2013 (1st)





Planning your replacement in future?

Monitor your system now!

Your building use might have changed over the years. Monitoring and Daikin expert advice prepare you for an optimum replacement to maximize efficiency and comfort, while minizing the investment cost of your new system.

VRV-Q benefits to increase your profit

Optimise your business

Less installation time

Tackle more projects in less time thanks to faster installation. It is more profitable than replacing the full system with new piping.

Lower installation costs

Reducing installation costs enables you to offer customers the most cost-effective solution and improve your competitive edge.

Replace non-Daikin systems

NON DAIKIN → DAIKIN

It is a trouble-free replacement solution for Daikin systems and for systems made by other manufacturers.

Easy as one-two-three

A simple solution for replacement technology enables you to handle more projects for more customers in less time and offer them the best price! Everybody wins.

Compare installation steps

Conventional solution	VRV-Q
1 Recover refrigerant	1 Recover refrigerant
2 Remove units	2 Remove units
3 Remove refrigerant pipes	Re-use existing piping and wiring
4 Install new piping and wiring	3 Install new units
5 Install new units	4 Leak test
6 Leak test	5 Vacuum drying
7 Vacuum drying	6 Auromatic refrigerant charging, cleaning and testing
8 Refrigerant charging	
9 Collect contamination	
10 Test operation	

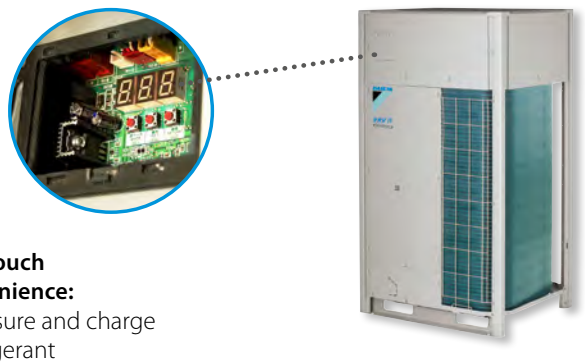
Up to 45% shorter installation time

Automatic refrigerant charge

The unique automatic refrigerant charge eliminates the need to calculate refrigerant volume and ensures that the system will operate perfectly. Not knowing the exact piping lengths because of changes or mistakes in case you didn't do the original installation or replacing a competitor installation no longer poses a problem.

Automatic pipe cleaning

There is no need to clean inside piping as this is handled automatically by the VRV-Q unit. Finally the test operation is performed automatically to save time.



One touch convenience:

- Measure and charge refrigerant
- Automatic pipe cleaning
- Test operation

Replacement VRV, heat recovery

Quick & quality replacement for R-22 and R-407C systems

- Cost effective and fast replacement as only the outdoor and indoor unit needs to be replaced, meaning almost no work has to be carried out inside the building
- Efficiency gains of more than 40% can be realized, thanks to technological developments in heat pump technology and the more efficient R-410A refrigerant
- Less intrusive and time consuming installation compared to installing a new system, as the refrigerant piping can be maintained
- Unique automatic refrigerant charge eliminates the need to calculate refrigerant volume and allows safe replacement of competitor replacement
- Automatic cleaning of refrigerant piping ensures a clean piping network, even when a compressor breakdown has occurred
- Possibility to add indoor units and increase capacity without changing the refrigerant piping
- Possibility to spread the various stages of repclacement thanks to the modular design of the VRV system
- Accurate temperature control, fresh air provision, air handling units and Biddle air curtains all integrated in a single system requiring only one single point of contact (RXYQQ-T only)
- Incorporates VRV IV standards & technologies: Variable Refrigerant
- Temperature and full inverter compressors (RXYQQ-T only)
- Free combination of outdoor units to meet installation space or
- efficiency requirements (RXYQQ-T only)



RQCEQ712-848P3

ErP 2021 COMPLIANT

Already fully compliant

to LOT 21 - Tier 2

Published data with real-life indoor units

Outdoor unit System			RQCEQ	280P3	360P3	460P3	500P3	540P3	636P3	712P3	744P3	816P3	848P3
System	Outdoor unit module 1			RQEQ140P3	RQEQ180P3	RQEQ140P3		RQEQ180P3	RQEQ212P3	RQEQ140P3		RQEQ180P3	RQEQ212P3
	Outdoor unit module 2			RQEQ140P3	RQEQ180P3	RQEQ140P3	RQEQ180P3		RQEQ212P3	RQEQ180P3		RQEQ212P3	
	Outdoor unit module 3			-		RQEQ180P3			RQEQ212P3	RQEQ180P3	RQEQ212P3		
	Outdoor unit module 4			-						RQEQ212P3			
Capacity range			HP	10	13	16	18	20	22	24	26	28	30
Cooling capacity	Prated,c		kW	28.0	36.0	46.0	50.0	54.0	60.0	70.0	72.0	78.0	80.0
Heating capacity	Prated,h		kW	32.0	40.0	52.0	56.0	60.0	67.2	78.4	80.8	87.2	89.6
ηs,c			%	200	185	191	201	198	186	194		204	187
ηs,h			%	159	157	161	150	148	157	153	155		157
SEER				-									
SCOP				-									
Maximum number of connectable indoor units				21	28	34	39	43	47	52	56	60	64
Indoor index connection	Min.			140	180	230	250	270	318	356	372	408	424
	Nom.			280	360	500		540	636	712	744	816	848
	Max.			364	468	598	650	702	827	926	967.0	1,061	1,102
Piping connections	Liquid	OD	mm	9.52	12.7		15.9				19.1		
	Gas	OD	mm	22.2	25.4	28.6					34.9		
	Total piping length	System Actual	m	300									
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400									
Current - 50Hz	Maximum fuse amps (MFA)		A	30	40	50	60		70	80		90	

Outdoor unit module			RQEQ-P3	140P3	180P3	212P3
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765		
Weight	Unit		kg	175		179
Fan	Air flow rate	Cooling Nom.	m^3/min	95	110	
	Type			Propeller fan		
Sound power level	Cooling	Nom.	dBA	79	83	87
Sound pressure level	Cooling	Nom.	dBA	-		
Operation range	Cooling	Min.~Max.	°CDB	-5~43		
	Heating	Min.~Max.	°CWB	-20~15.5		
Refrigerant	Type/GWP			R-410A/2,087.5		
	Charge		kg/TCO2Eq	10.3/21.5	10.6/22.1	11.2/23.4
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	15	20	22.5

Replacement VRV, heat pump



RXYQQ8-12U

Outdoor unit				RXYQQ	RQYQ140P	8U	10U	12U	14U	16U	18U	20U
Capacity range				HP	5	8	10	12	14	16	18	20
Cooling capacity	Prated,c			kW	14.0	22.4	28.0	33.5	40.0	45.0	50.4	52.0
Heating capacity	Prated,h			kW	16.0	13.7	16.0	18.4	20.6	23.2	27.9	31.0
	Max.	6°CWB		kW	-	25.0	31.5	37.5	45.0	50.0	56.5	63.0
ηs,c				%	194	212.4	222.0	216.9	226.6	216.8	216.2	210.3
ηs,h				%	137	142.0	147.2	149.6	136.7	137.0	141.4	145.4
SEER					-	5.4	5.6	5.5	5.7	5.5		5.3
SCOP					-	3.6	3.8		3.5		3.6	3.7
Maximum number of connectable indoor units					10	64						
Indoor index connection	Min.				62.5	100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Nom.				125	-						
	Max.				162.5	260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x635x765	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	175	187	194		305		314	
Fan	Air flow rate	Cooling	Nom.	m^3/min	95	-						
Sound power level	Cooling	Nom.		dBA	79	78.0	79.0	81.0		86.0		88.0
Sound pressure level	Cooling	Nom.		dBA	-	58.0		61.0		64.0	65.0	66.0
Operation range	Cooling	Min.~Max.		°CDB	-5.0~43.0							
	Heating	Min.~Max.		°CWB	-20.0~15.5							
Refrigerant	Type/GWP				R-410A/2,087.5							
	Charge			kg/TCO2Eq	11.1/23.2	5.9/12.3	6.0/12.5	6.3/13.2	10.3/21.5	10.4/21.7	11.7/24.4	11.8/24.6
Piping connections	Liquid	OD		mm	9.52	952		127			159	
	Gas	OD		mm	15.9	19.1	22.2	28.6				
	Total piping length	System	Actual	m	300							
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415							
Current - 50Hz	Maximum fuse amps (MFA)			A	15	20	25	32		40		50

Outdoor unit System + Module				RXYQQ	22U	24U	26U	28U	30U	32U	34U	36U	38U	40U	42U
System	Outdoor unit module 1				RXYQQ10U	RXYQQ8U	RXYQQ12U			RXYQQ16U			RXYQQ8U	RXYQQ10U	
	Outdoor unit module 2				RXYQQ12U	RXYQQ16U	RXYQQ14U	RXYQQ16U	RXYQQ18U	RXYQQ16U	RXYQQ18U	RXYQQ20U	RXYQQ10U	RXYQQ12U	RXYQQ16U
	Outdoor unit module 3				-								RXYQQ20U	RXYQQ18U	RXYQQ16U
Capacity range				HP	22	24	26	28	30	32	34	36	38	40	42
Cooling capacity	Prated,c			kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	97.0	102.4	111.9	118.0
Heating capacity	Prated,h			kW	34.4	36.9	37.1	39.7	44.4	46.4	51.1	54.2	58.2	58.9	60.9
	Max.	6°CWB		kW	69.0	75.0	82.5	87.5	94.0	100.0	106.5	113.0	119.5	125.5	131.5
ηs,c				%	213.5	215.3	222.0	216.8	216.2	216.8	216.4	213.2	213.6	217.6	
ηs,h				%	150.0	144.5	143.8	142.6	138.8	137.0	141.8	143.9	146.0	145.7	143.3
SEER					5.4	5.5	5.6	5.5				5.4		5.5	
SCOP					3.8	3.7		3.6	3.5		3.6	3.7			
Maximum number of connectable indoor units					64										
Indoor index connection	Min.				275.0	300.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0	500.0	525.0
	Nom.				-										
	Max.				715.0	780.0	845.0	910.0	975.0	1,040.0	1,105.0	1,170.0	1,235.0	1,300.0	1,365.0
Piping connections	Liquid	OD		mm	159		191								
	Gas	OD		mm	28.6	34.9						41.3			
	Total piping length	System	Actual	m	300										
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415										
Current - 50Hz	Maximum fuse amps (MFA)			A	63				80				100		



Water-to-air heat pump

Welcome a new range of features

More flexibility

› Mixed connection of HT hydroboxes and VRV indoor units
› Connects to stylish indoor units such as Daikin Emura, Nexura, … (no mixed connection with other indoors possible)
› Extension of the range: 8-10-12-14HP, combinable up to 42HP while keeping the most compact casing in the market
› Extended piping length up 165m (actual)
› Extended indoor unit height difference to 30m

More capacity

› Up to 72% increased capacity (!) per model thanks to new compressor and larger heat exchanger

Easier commissioning & customisation

› 7 segment display
› 2 analogue input signals allowing external control of
  - ON-OFF (e.g. compressor)
  - Operation mode (cooling / heating)
  - Limit of capacity
  - Error signal

Most compact casing in the market!



8 to 14 HP | 16 to 28 HP | 30 to 42 HP

Unique zero heat dissipation principle



› No need for ventilation or cooing in the technical room
› Control heat dissipation to achive maximum efficiency: set target technical room temperature and unit regulates actual heat dissipation

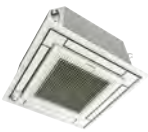
Total solution



NEW Daikin Emura wall mounted unit



NEW Nexura Floor standing unit



Fully flat cassette





Biddle air curtain



NEW Air handling unit for ventilation



NEW Low temperature hydrobox



NEW High temperature hydrobox

With all existing standard functions

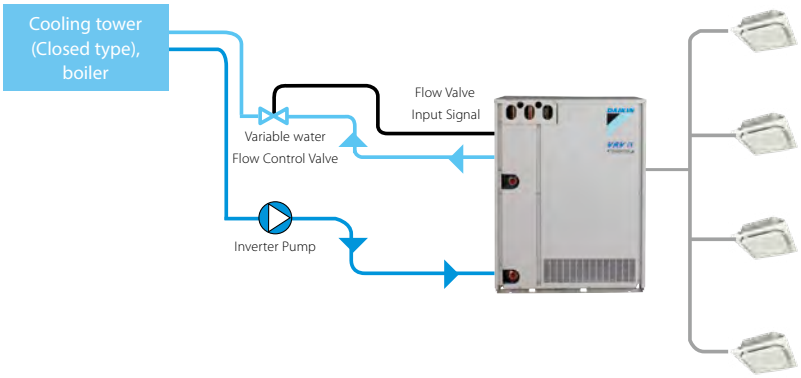
Indoor installation makes unit invisible from the outside

- Seamless integration in the surrounding architecture as you cannot see the unit
- Highly suited for sound sensitive areas as there is no external operation sound
- Very flexible indoor installation as there is no heat dissipation
- Superior efficiency, even in the most extreme outside conditions, especially in geothermal operation



Variable water flow control

- The variable water flow control option reduces excessive energy use by the circulation pump.
- By controlling a variable water valve, the water flow is reduced when possible, saving energy.
- Via 0~10 volt



Lower refrigerant concentration levels

Water-cooled VRV systems typically have less refrigerant per system making it ideal to comply with the EN378 legislation limiting the amount of refrigerant in hospitals and hotels.

The refrigerant levels remain limited thanks to:
- limited distance between outdoor and indoor unit
- modularity: enabling small systems per floor instead of one big system. Thanks to the water circuit heat recovery is still possible in the entire building

Maximum design flexibility and installation speed

- Quickly and flexibly design your system with a unique range of single and multi BS boxes.
- A wide variety of compact and lightweight multi BS boxes greatly reduces installation time.
- Free combination of single and multi BS boxes

Single port



BS1Q 10,16,25A

Multi port: 4 – 6 – 8 – 10 – 12 – 16



BS 4 Q14 A



BS 6, 8 Q14 A

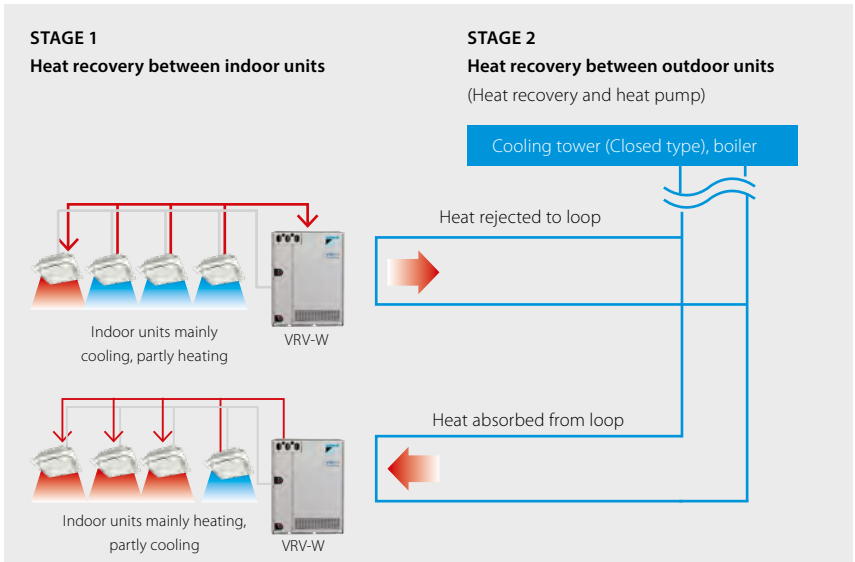


BS 10, 12 Q14 A



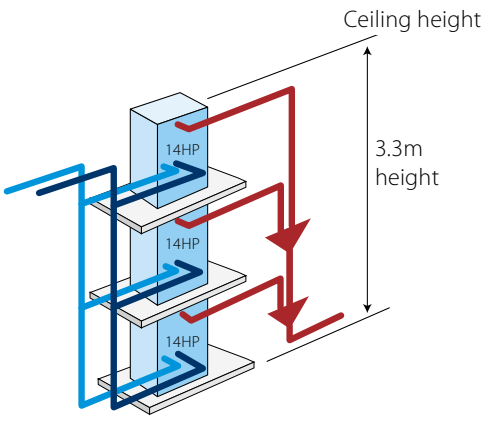
BS 16 Q14 A

2-stage heat recovery



Stacked configuration

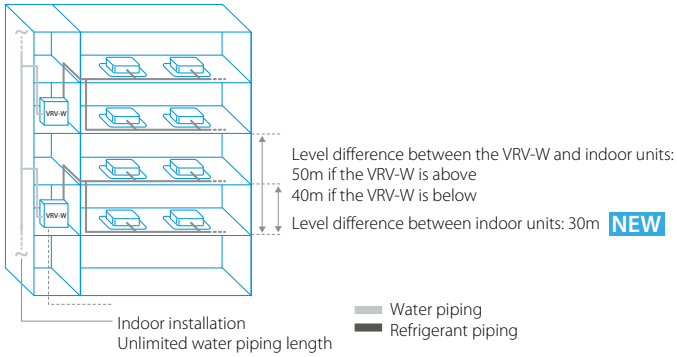
Water piping
Refrigerant piping



VRV IV water cooled+ series

Ideal for high rise buildings, using water as heat source

- Environmental conscious solution: reduced CO2 emmisions thanks to the use of geothermal energy as a renewable energy source and typical lower refrigerant levels making it ideal to comply with EN378
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units, Biddle air curtains and hot water
- Unique zero heat dissipation principle obviates the need for ventilation or cooling in the technical room, maximising installation flexiblity
- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7-segment display and full inverter compressors
- Developed for easy installation and servicing: choice between top or front connection for refrigerant piping and rotating switch box for easy access to serviceable parts
- Compact & lightweight design can be stacked for maximum space saving: 42HP can be installed in less than 0,5m² floorspace
- 2-stage heat recovery: first stage between indoor units, second stage between outdoor units thanks to the storage of energy in the water circuit
- Unified model for heat pump and heat recovery version and geothermal and standard operation
- Variable Water Flow control option increases flexibility and control
- 2 analogue input signals allowing external control of ON-OFF, operation mode, error signal, …
- Contains all standard VRV features



ErP 2021 COMPLIANT

Already fully compliant

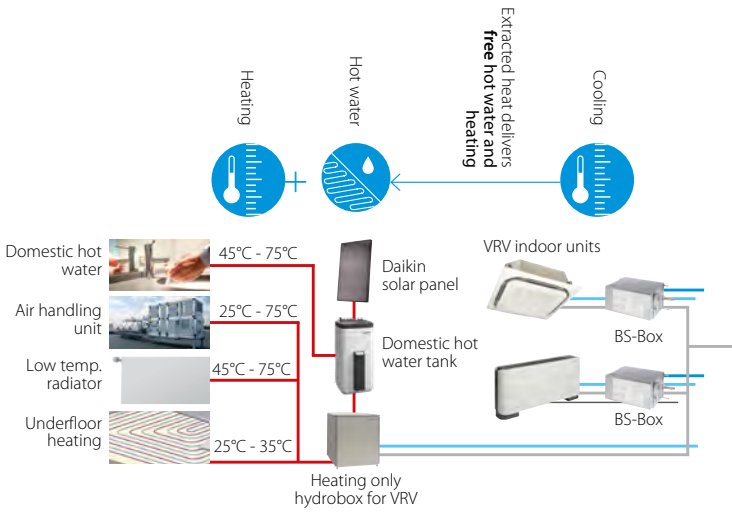
to LOT 21 - Tier 2

Published data with real-life indoor units

Outdoor unit					RWEYQ	8T9	10T9	12T9	14T9
Capacity range					HP	8	10	12	14
Cooling capacity	Prated,c				kW	22.4	28.0	33.5	40.0
Heating capacity	Prated,h				kW	25.0	31.5	37.5	45.0
	Max.	6°CWB			kW	25.0	31.5	37.5	45.0
ηs,c					%	326.8	307.8	359.0	330.7
ηs,h					%	524.3	465.9	436.0	397.1
SEER						8.4	7.9	9.2	8.5
SCOP						13.3	11.8	11.1	10.1
Maximum number of connectable indoor units						64 (1)			
Indoor index connection	Min.					100.0	125.0	150.0	175.0
	Nom.					-			
	Max.					300.0	375.0	450.0	525.0
Dimensions	Unit	HeightxWidthxDepth			mm	980x767x560			
Weight	Unit				kg	195		197	
Sound power level	Cooling	Nom.			dBA	65.0	71.0	72.0	74.0
Sound pressure level	Cooling	Nom.			dBA	48.0	50.0	56.0	58.0
Operation range	Inlet water temperature	Cooling	Min.~Max.		°CDB	10~45			
		Heating	Min.~Max.		°CWB	10~45			
	Temperature around casing	Max.			°CDB	40			
	Humidity around casing	Cooling~Heating	Max.		%	80~80			
Refrigerant	Type/GWP					R-410A/2,087.5			
	Charge				kg/TCO2Eq	7.9/16.5		9.6/20.0	
Piping connections	Liquid	OD			mm	952		127	
	Gas	OD			mm	19.1 (2)	22.2 (2)	28.6 (2)	
	HP/LP gas	OD			mm	15.9 (3) / 19.1 (4)	19.1 (3) / 22.2 (4)	19.1 (3) / 28.6 (4)	22.2 (3) / 28.6 (4)
	Drain	Size				14mm OD/ 10mm ID			
	Water	Inlet/Outlet	Size			ISO 228-G1 1/4 B/ISO 228-G1 1/4 B			
	Total piping length	System	Actual		m	500			
Power supply	Phase/Frequency/Voltage				Hz/V	3N~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)				A	20		25	

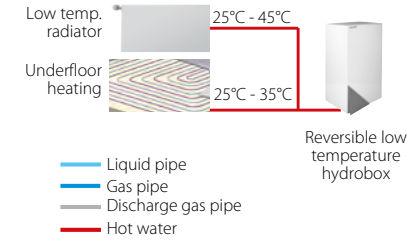
Variable Refrigerant Temperature

Stage 1 heat recovery between indoor units

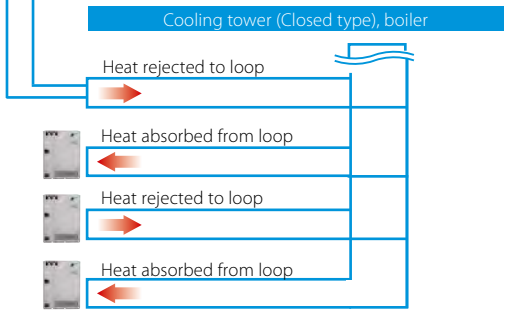




or



Stage 2 heat recovery between outdoor units



* Above system configuration are for illustration purpose only.

Outdoor unit System				RWEYQ	16T9	18T9	20T9	22T9	24T9	26T9	28T9
System	Outdoor unit module 1				RWEYQ8T		RWEYQ10T		RWEYQ12T		RWEYQ14T
	Outdoor unit module 2				RWEYQ8T	RWEYQ10T		RWEYQ12T		RWEYQ14T	
Capacity range				HP	16	18	20	22	24	26	28
Cooling capacity	Prated,c			kW	44.8	50.4	56.0	61.5	67.0	73.5	80.0
Heating capacity	Prated,h			kW	50.0	56.5	62.5	69.0	75.0	82.5	90.0
	Max.	6°CWB		kW	50.0	56.5	62.5	69.0	75.0	82.5	90.0
ηs,c				%	307.6	308.7	298.1	311.3	342.6	322.5	306.1
ηs,h				%	459.2	491.1	466.8	447.9	434.5	406.9	387.9
SEER					7.9		7.7	8.0	8.8	8.3	7.9
SCOP					11.7	12.5	11.9	11.4	11.1	10.4	9.9
Maximum number of connectable indoor units					64 (1)						
Indoor index connection	Min.				200.0	225.0	250.0	275.0	300.0	325.0	350.0
	Nom.				-						
	Max.				600.0	675.0	750.0	825.0	900.0	975.0	1,050.0
Piping connections	Liquid	OD		mm	127	159				191	
	Gas	OD		mm	28.6 (2)				34.9 (2)		
	HP/LP gas	OD		mm	22.2 (3) / 28.6 (4)		28.6 (3) / 28.6 (4)	28.6 (3) / 28.6 (4)	28.6 (3) / 34.9 (4)		
	Total piping length	System	Actual	m	500						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	32		35	40		50	

Outdoor unit System				RWEYQ	30T9	32T9	34T9	38T9	40T9	42T9
System	Outdoor unit module 1				RWEYQ10T			RWEYQ12T		RWEYQ14T
	Outdoor unit module 2				RWEYQ10T		RWEYQ12T		RWEYQ14T	
	Outdoor unit module 3				RWEYQ10T	RWEYQ12T		RWEYQ14T		
Capacity range				HP	30	32	34	38	40	42
Cooling capacity	Prated,c			kW	84.0	89.5	95.0	107.0	113.5	120.0
Heating capacity	Prated,h			kW	94.5	100.5	106.5	120.0	127.5	135.0
	Max.	6°CWB		kW	94.5	100.5	106.5	120.0	127.5	135.0
ηs,c				%	308.3	318.2	342.5	338.8	341.4	332.9
ηs,h				%	467.2	456.1	447.0	419.4	404.4	391.2
SEER					7.9	8.2	8.8	8.7		8.5
SCOP					11.9	11.6	11.4	10.7	10.3	10.0
Maximum number of connectable indoor units					64 (1)					
Indoor index connection	Min.				375.0	400.0	425.0	475.0	500.0	525.0
	Nom.				-					
	Max.				1,125.0	1,200.0	1,275.0	1,425.0	1,500.0	1,575.0
Piping connections	Liquid	OD		mm	191 (2)					
	Gas	OD		mm	34.9			41.3		
	HP/LP gas	OD		mm	28.6 (3) / 34.9 (4)			41.3 (3) / 34.9 (4)		
	Total piping length	System	Actual	m	500					
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415					
Current - 50Hz	Maximum fuse amps (MFA)			A	50	63			80	

(1) Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%) | (2) In case of heat pump system, gas pipe is not used (3) In case of heat recovery system (4) In case of heat pump system

Individual and multi branch selector box installation

Individual branch selector for VRV IV heat recovery

- Unique range of single and multi BS boxes for flexible and fast design
- Compact & light to install
- Ideal for remote rooms as no drain piping is needed
- Allows integration of server rooms into the heat recovery solution thanks to technical cooling function
- Connect up to 250 class unit (28kW)
- **UNIQUE** Faster installation thanks to open port connection
- Allows multi tenant applications
- Connectable to REYQ-T, RQCEQ-P3 and RWEYQ-T9 heat recovery units

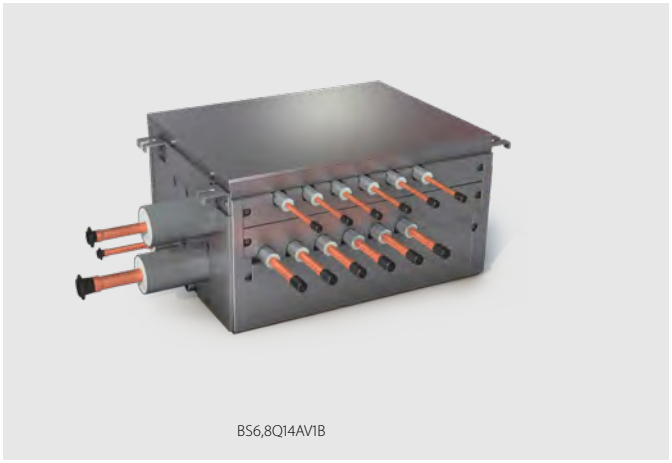


BS1Q-A

Indoor unit				BS	1Q10A	1Q16A	1Q25A
Power input	Cooling	Nom.		kW	0.005		
	Heating	Nom.		kW	0.005		
Maximum number of connectable indoor units					6	8	
Maximum capacity index of connectable indoor units					15 < x ≤ 100	100<x≤160	160<x≤250
Dimensions	Unit	HeightxWidthxDepth		mm	207x388x326		
Weight	Unit			kg	12		15
Casing	Material				Galvanised steel plate		
Piping connections	Outdoor unit	Liquid	OD	mm	9.5		
		Gas	OD	mm	15.9		22.2
		Discharge gas	OD	mm	12.7		19.1
	Indoor unit	Liquid	OD	mm	9.5		
		Gas	OD	mm	15.9		22.2
Sound absorbing thermal insulation					Foamed polyurethane Flame-resistant needle felt		
Power supply	Phase				1~		
	Frequency			Hz	50		
	Voltage			V	220-240		
	Maximum fuse amps (MFA)			A	15		

Multi branch selector for VRV IV heat recovery

- Unique range of single and multi BS boxes for flexible and fast design
- Major reduction in installation time thanks to wide range, compact size and light weight multi BS boxes
- Up to 70% smaller and 66% lighter than previous series
- Faster installation thanks to a reduced number of brazing points and wiring
- All indoor units connectable to one BS box
- Less inspection ports needed compared to installing single BS boxes
- Up to 16kW capacity available per port
- Connect up to 250 class unit (28kW) by combining 2 ports
- No limit on unused ports allowing phased installation
- **UNIQUE** Faster installation thanks to open port connection
- **UNIQUE** Refrigerant filters for high reliability
- Allows multi tenant applications
- Connectable to REYQ-T, RQCEQ-P3 and RWEYQ-T9 heat recovery units

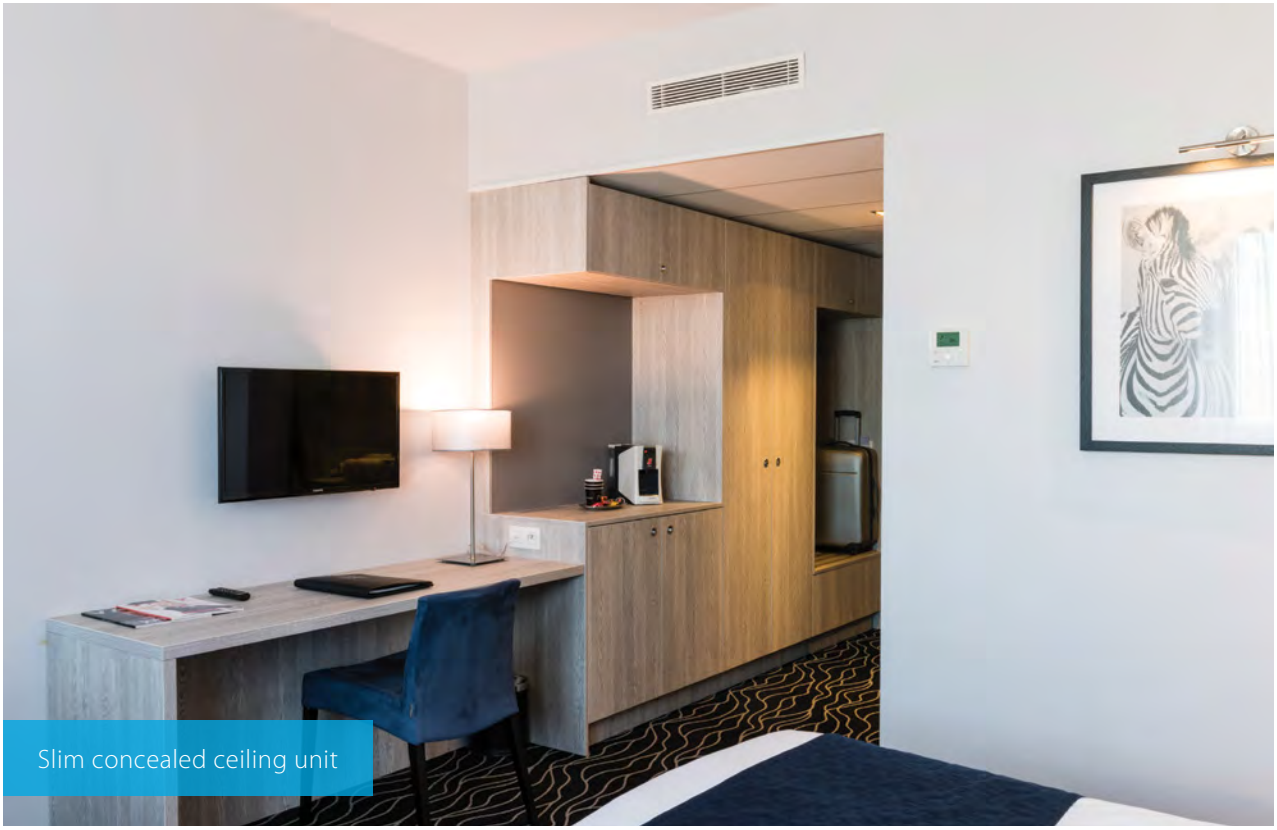


BS6,8Q14AV1B

Indoor unit				BS	4Q14AV1B	6Q14AV1B	8Q14AV1B	10Q14AV1B	12Q14AV1B	16Q14AV1B
Power input	Cooling	Nom.		kW	0.043	0.064	0.086	0.107	0.129	0.172
	Heating	Nom.		kW	0.043	0.064	0.086	0.107	0.129	0.172
Maximum number of connectable indoor units					20	30	40	50	60	64
Maximum number of connectable indoor units per branch					5					
Number of branches					4	6	8	10	12	16
Maximum capacity index of connectable indoor units					400	600	750			
Maximum capacity index of connectable indoor units per branch					140					
Dimensions	Unit	HeightxWidthxDepth		mm	298x370x430	298x580x430		298x820x430		298x1,060x430
Weight	Unit			kg	17	24	26	35	38	50
Casing	Material				Galvanised steel plate					
Piping connections	Outdoor unit	Liquid	OD	mm	9.5	12.7	12.7 / 15.9	15.9	15.9 / 19.1	19.1
		Gas	OD	mm	22.2 / 19.1	28.6 / 22.2	28.6	28.6 / 34.9		34.9
		Discharge gas	OD	mm	19.1 / 15.9	19.1 / 22.2	19.1 / 22.2 / 28.6	28.6		
	Indoor unit	Liquid	OD	mm	9.5 / 6.4					
		Gas	OD	mm	15.9 / 12.7					
	Drain				VP20 (I.D. 20/O.D. 26)					
Sound absorbing thermal insulation					Urethane foam, polyethylene foam					
Power supply	Phase				1~					
	Frequency			Hz	50					
	Voltage			V	220-440					
	Maximum fuse amps (MFA)			A	15					


Concealed ceiling unit with high esp


Round flow cassette


Slim concealed ceiling unit



Concealed floor standing unit



Hot water production



Fully flat cassette

Products overview VRV

Capacity class (kW)

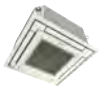
Type	Model	Product name		15	20	25	32	40	50	63	71	80	100	125	140	200	250
Ceiling mounted cassette	UNIQUE Round flow cassette	360° air discharge for optimum efficiency and comfort › Auto cleaning function ensures high efficiency › Intelligent sensors save energy and maximize comfort › Flexibility to suit every room layout › Lowest installation height in the market! › Widest choice ever in decoration panel designs and colors	FXFQ-B		●	●	●	●	●	●		●	●	●			
	UNIQUE Fully flat cassette	Unique design that integrates fully flat into the ceiling › Perfect integration in standard architectural ceiling tiles › Blend of iconic design and engineering excellence › Intelligent sensors save energy and maximize comfort › Small capacity unit developed for small or well-insulated rooms › Flexibility to suit every room layout	FXZQ-A	●	●	●	●	●	●									
	2-way blow ceiling mounted cassette	Thin, lightweight design installs easily in narrow ceiling spaces › Depth of all units is 620mm, ideal for narrow ceiling spaces › Flexibility to suit every room layout › Reduced energy consumption thanks to DC fan motor › The flaps close entirely when the unit is not operating › Optimum comfort with automatic air flow adjustment to the required load	FXCQ-A		●	●	●	●	●	●		●		●			
	Ceiling mounted corner cassette	1-way blow unit for corner installation › Compact dimensions enable installation in narrow ceiling voids › Flexible installation thanks to different air discharge options	FXKQ-MA			●	●	●		●							
Concealed ceiling	Slim concealed ceiling unit	Slim design for flexible installation › Compact dimensions enable installation in narrow ceiling voids › Medium external static pressure up to 44Pa › Only grilles are visible › Small capacity unit developted for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor	FXDQ-A3	●	●	●	●	●	●	●			Auto cleaning filter option			Multi zoning option	
	Concealed ceiling unit with medium ESP	Slimmest yet most powerfull medium static pressure unit on the market! › Slimmest unit in class, only 245mm › Low operating sound level › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths › Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort	FXSQ-A	●	●	●	●	●	●	●		●	●	●	●	Multi zoning option	
	Concealed ceiling unit with high ESP	ESP up to 200, ideal for large sized spaces › Optimum comfort guaranteed no matter the length of ductwork or type of grilles, thanks to automatic air flow adjustment › Reduced energy consumption thanks to DC fan motor › Flexible installation as the air suction direction can be altered from rear to bottom suction	FXMQ-P7						●	●		●	●	●			
	Concealed ceiling unit with high ESP	ESP up to 270, ideal for extra large sized spaces › Only grilles are visible › Large capacity unit: up to 31.5 kW heating capacity	FXMQ-MB													●	●
NEW Wall mounted	Wall mounted unit	For rooms with no false ceilings nor free floor space › Flat, stylish front panel is more easy to clean › Small capacity unit developted for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor › The air is comfortably spread up- and downwards thanks to 5 different discharge angles	FXAQ-A	●	●	●	●	●	●	●							
Ceiling suspended	Ceiling suspended unit	For wide rooms with no false ceilings nor free floor space › Ideal for comfortable air flow in wide rooms thanks to Coanda effect › Rooms with ceilings up to 3.8m can be heated or cooled very easily! › Can easily be installed in both new and refurbishment projects › Can even be mounted in corners or narrow spaces without any problem › Reduced energy consumption thanks to DC fan motor	FXHQ-A				●			●			●				
	UNIQUE 4-way blow ceiling suspended unit	Unique Daikin unit for high rooms with no false ceilings nor free floor space › Rooms with ceilings up to 3.5m can be heated up or cooled down very easily! › Can easily be installed in both new and refurbishment projects › Flexibility to suit every room layout › Reduced energy consumption thanks to DC fan motor	FXUQ-A								●		●				
Floor standing	Floor standing unit	For perimeter zone air conditioning › Can be installed in front of glass walls or free standing as both the front and the back are finished › Ideal for installation beneath a window › Requires very little installation space › Wall mounted installation facilitates cleaning beneath the unit	FXLQ-P		●	●	●	●	●	●							
	Concealed floor standing unit	Ideal for installation in offices, hotels and residential applications › Discretely concealed in the wall, leaving only the suction and discharge grilles visible › Can even be installed underneath a window › Requires very little installation space as the depth is only 200mm › High ESP allows flexible installation	FXNQ-A		●	●	●	●	●	●							
Cooling capacity (kW)[1]				1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
Heating capacity (kW)[2]				1.9	2.5	3.2	4.0	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m

Stylish indoor units overview

Depending on the application, Split and Sky Air indoor units can be connected to our VRV IV and VRV IV S-series outdoor units. Refer to the **outdoor unit portfolio** for combination restrictions.

				Capacity class (kW)								Connectable outdoor unit				
Type	**Model**	**Product name**		**15**	**20**	**25**	**35**	**42**	**50**	**60**	**71**	**RYYQ-T**	**RXYQ-T(9)**	**RXYSCQ-TV1[3] RXYSQ-TV1[3] RXYSQ-TY1[3]**	**RWEYQ-T9[4]**	**RXYLQ-T**
Ceiling mounted cassette	Round flow cassette (incl. auto-cleaning function[1])	FCAG-B					●		●	●				✓		
	Fully flat cassette	FFA-A9				●	●		●	●				✓		
Concealed ceiling	Slim concealed ceiling unit	FDXM-F9				●	●		●	●				✓		
	Concealed ceiling unit with inverter-driven fan	FBA-A9					●		●	●	Auto cleaning filter option			✓		
Wall mounted	Daikin Emura Wall mounted unit	FTXJ-MW/MS			●	●	●		●			✓	✓	✓	✓	✓
	Wall mounted unit	CTXM-M FTXM-N		●	●	●	●	●	●	●	●	✓	✓	✓	✓	✓
Ceiling suspended	Ceiling suspended unit	FHA-A9					●		●	●	●			✓		
Floor standing	Nexura floor standing unit	FVXG-K				●	●		●			✓	✓	✓	✓	✓
	Floor standing unit	FVXM-F				●	●		●			✓	✓	✓	✓	✓
	Flexi type unit	FLXS-B(9)				●	●		●	●		✓	✓	✓	✓	✓
	Concealed floor standing unit	FNA-A9				●	●		●	●				✓		

[1] Decoration panel BYCQ140DG9 or BYCQ140DGF9 + BRC1E53A/B/C needed

[2] To connect stylish indoor units a BPMKS unit is needed

[3] A mix of RA indoor units and VRV indoor units is not allowed.

[4] Only in heat pump operation

Benefits overview VRV

We care		Home leave operation	During absence, indoor comfort levels can be maintained
		Fan only	The air conditioner can be used as fan, blowing air without cooling or heating
		Auto cleaning filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance
		Floor and presence sensor	The presence sensor directs the air away from any person detected in the room. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor
Comfort		Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired
		Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood
		Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature
Air treatment		Air filter	Removes airborne dust particles to ensure a steady supply of clean air
Humidity control		Dry programme	Allows humidity levels to be reduced without variations in room temperature
Air flow		Ceiling soiling prevention	The air discharge of the indoor unit is specially designed to prevent air being blown against the ceiling to prevent ceiling stains
		Vertical auto swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution
		Fan speed steps	Multiple fan speeds to select,to optimize comfort levels
		Individual flap control	Individual flap control via the wired remote controller makes it simple to fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well
Remote control & timer		Weekly timer	Timer can be set to start and stop operation anytime on a daily or weekly basis
		Infrared remote control	Infrared remote control with LCD to remotely control your indoor unit
		Wired remote control	Wired remote control to remotely control your indoor unit
		Centralised control	Centralised control to to control several indoor units from one single point
		Multi zoning	Allows up to 6 individual climate zones with one indoor unit
Other funtcions		Auto-restart	The unit restarts automatically at the original settings after power failure
		Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies
		Drain pump kit	Facilitates condensation draining from the indoor unit
		Multi tenant	The indoor unit's main power supply can be turned off when leaving the building or for servicing purposes

Ceiling mounted cassette units				Concealed ceiling units				Wall mounted unit	Ceiling suspended units		Floor standing units	
FXFQ-B	**FXZQ-A**	**FXCQ-A**	**FXKQ-MA**	**FXDQ-A3**	**FXSQ-A**	**FXMQ-P7**	**FXMQ-MB**	**FXAQ-A**	**FXHQ-A**	**FXUQ-A**	**FXNQ-A**	**FXLQ-P**
												
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●
●				●								
●	●											
●	●		●							●		
●	●	●		●	●		●					
●	●	●	●	●	●	●	●	●	●	●	●	●
G1 F8 (optional)	G1	●	G1	●	G1 F8 (optional)	●	G1 F8 (optional)	●	G1	G1	G1	G1
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●									
●	●	●	●					●		●		
3 + auto	3 + auto	3 + auto	2	3	3 + auto	3	2	2	3	3 + auto	2	2
●	●									●		
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●
				●	●							
●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●
Standard	Standard	Standard	Standard	Standard	Standard	Standard	Optional	Optional	Optional	Standard		
●	●	(●)	(●)	●	●	●	(●)	●	(●)	(●)	●	●

Round flow cassette



360° air discharge for improved comfort

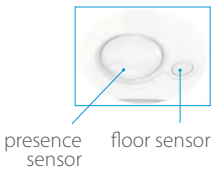
› Industry-first and proven design.
NEW › Wider flaps to even further improve equal temperature distribution

More energy efficient and user-friendly than any other cassette

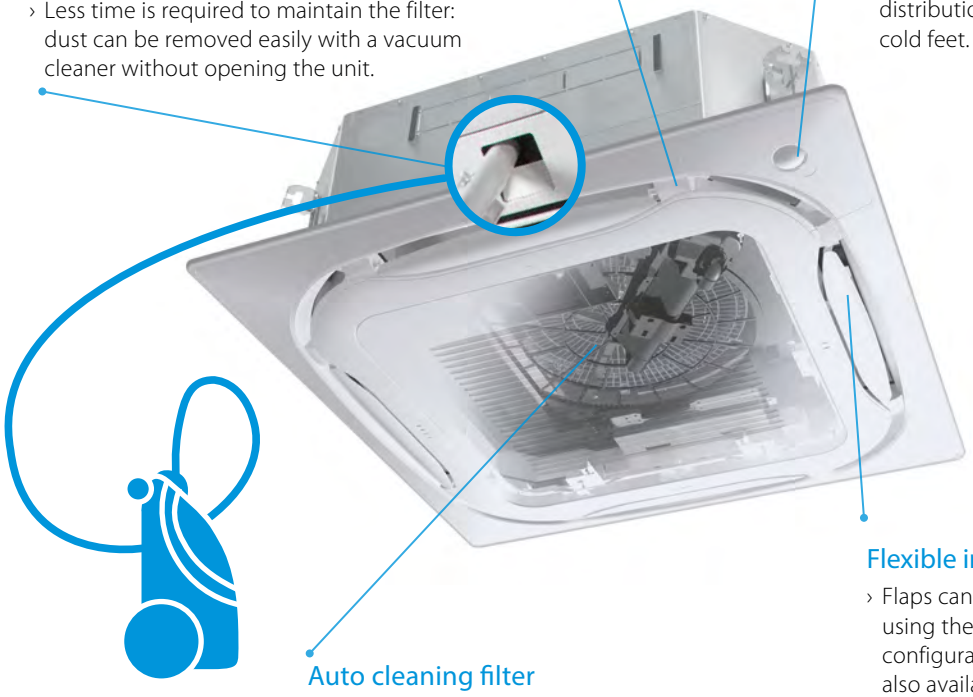
› Running costs can be reduced down to 50% compared with standard solutions
› Automatic filter cleaning.
› Less time is required to maintain the filter: dust can be removed easily with a vacuum cleaner without opening the unit.

Intelligent sensors improve efficiency and comfort even more

› The presence sensor adjusts the set point if no one is detected in the room leading to up to 27% savings. It also automatically directs air flow away from any person to avoid draught.

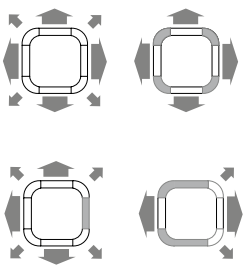


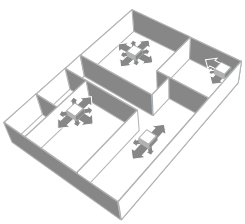
› The infrared floor sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor to prevent cold feet.



Flexible installation

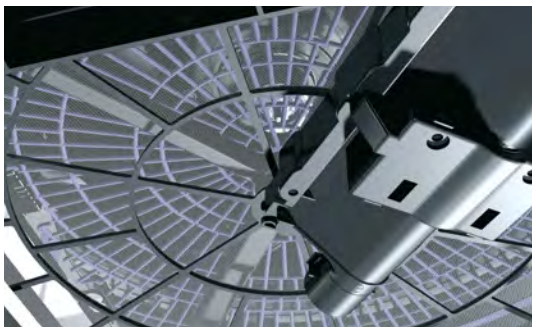
› Flaps can be individually controlled or closed using the wired remote control, to suit room configuration. Optional closure kits are also available.





Auto cleaning filter

Dust can simply be removed using a vacuum cleaner without opening the unit.



* Available as an option

NEW

Widest ever range of decoration panels to fit the interior and application

Standard panels availabe in white and black

› The unqiue Daikin round flow cassette with 360° air flow, wide flaps and optional intelligent sensors



BYCQ140E
white standard panel



BYCQ140EW
Full white standard panel



BYCQ140EB
black standard panel

Auto cleaning panels availabe in white and black

› The unique Daikin auto cleaning cassette with wide flaps and optional intelligent sensors
› Finer mesh panel for dust prone areas (i.e. clothing and book shops)



BYCQ140EG
White auto cleaning panel



BYCQ140EG(F)
White auto cleaning panel
with fine dust filter



BYCQ140EGFB
Black auto cleaning panel
with fine dust filter

Designer panel in white and black

› New line of design panels hiding air intake grilles for a more stylized outlook
› With 360° air flow, wide flaps and optional intelligent sensors



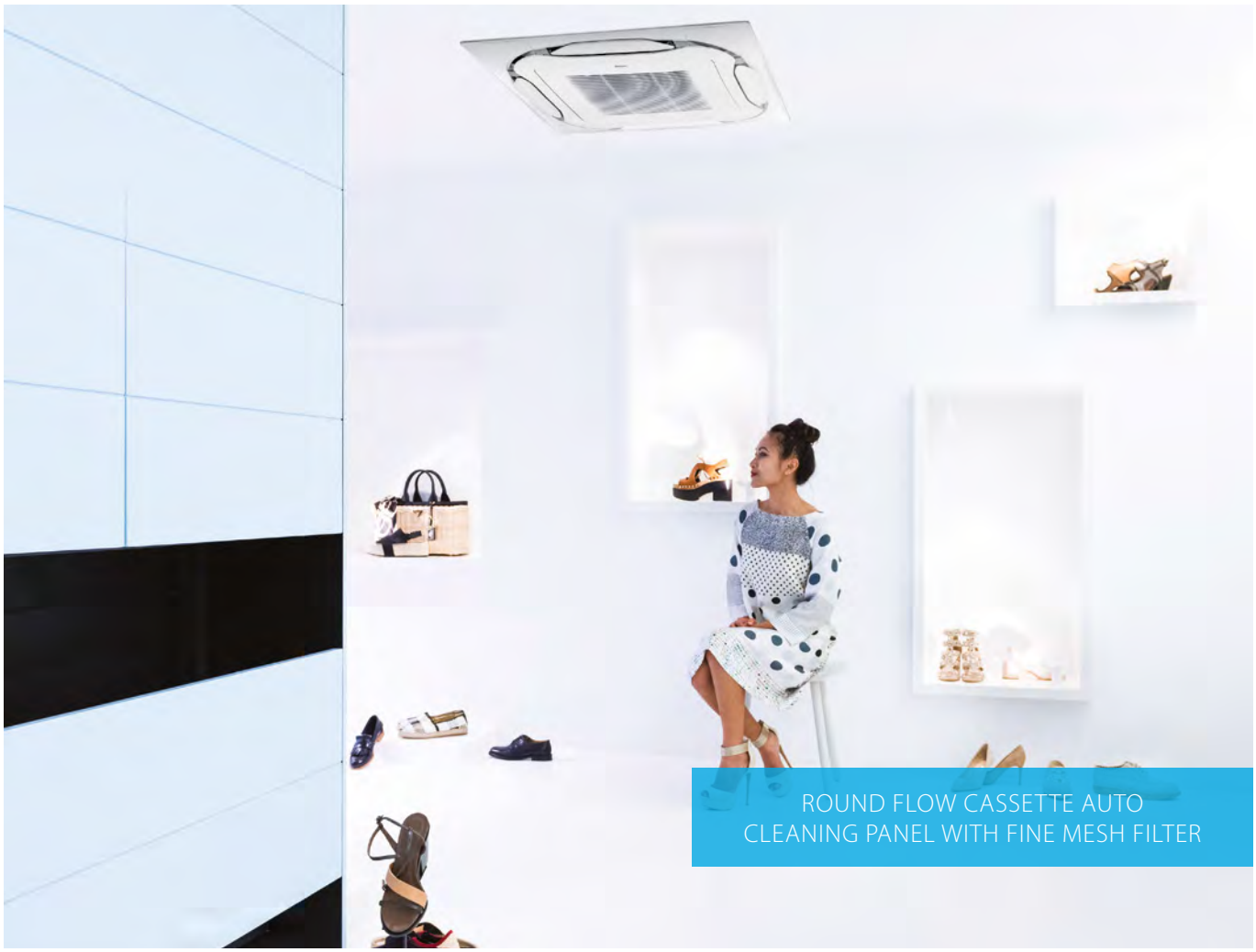
White BYCQ140EP
White designer panel panel



BYCQ140EPB
Black designer panel



ROUND FLOW CASSETTE, BLACK DESIGNER PANEL



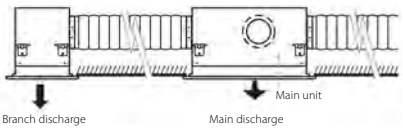
ROUND FLOW CASSETTE AUTO
CLEANING PANEL WITH FINE MESH FILTER

ROUND FLOW

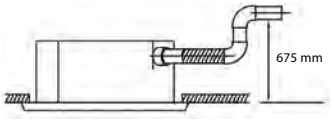
Round flow cassette

360° air discharge for optimum efficiency and comfort

- Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- Two optional intelligent sensors improve energy efficiency and comfort
- NEW Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- NEW Bigger flaps improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Lowest installation height in the market: 214mm for class 20-63
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



- Standard drain pump with 675mm lift increases flexibility and installation speed






White panel | White design panel | Black panel | Black design panel

Indoor unit				FXFQ	20B	25B	32B	40B	50B	63B	80B	100B	125B
Cooling capacity	Total capacity	Nom.		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00
Heating capacity	Total capacity	Nom.		kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Power input - 50Hz	Cooling	Nom.		kW	0.04				0.05	0.06	0.09	0.12	0.19
	Heating	Nom.		kW	0.04				0.05	0.06	0.09	0.11	0.18
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840						246x840x840		288x840x840
Weight	Unit			kg	19			20	21		24		26
Casing	Material				Galvanised steel plate								
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels (F = fine mesh): BYCQ140EG(F) - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black								
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950								
	Weight			kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4								
Fan	Air flow rate -	Cooling	Low/High	m^3/min	8.8/12.5			9.5/13.6	10.5/15.0	10.5/16.5	12.4/22.8	12.4/26.5	19.9/33.0
	50Hz	Heating	Low/High	m^3/min	8.8/12.5			9.5/13.6	10.5/15.0	10.5/16.5	12.4/22.8	12.4/26.5	19.9/33.0
Air filter	Type				Resin net								
Sound power level	Cooling	High		dBA	49			51		53	55	60	61
Sound pressure level	Cooling	Low/Nom./High		dBA	28.0/29.0/31.0			29.0/31.0/33.0		30.0/33.0/35.0	30.0/34.0/38.0	30.0/37.0/43.0	36.0/41.0/45.0
	Heating	Low/Nom./High		dBA	28.0/29.0/31.0			29.0/31.0/33.0		30.0/33.0/35.0	30.0/34.0/38.0	30.0/37.0/43.0	36.0/41.0/45.0
Refrigerant	Type/GWP				R-410A/2,087.5								
Piping connections	Liquid	OD		mm	6.35					9.52			
	Gas	OD		mm	12.70					15.90			
	Drain				VP25 (O.D. 32 / I.D. 25)								
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220								
Current - 50Hz	Maximum fuse amps (MFA)			A	16								
Control systems	Infrared remote control				BRC7FA532F								
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52								

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Fully Flat Cassette

Design & Genius in one



Why choose fully flat cassette

- Unique design in the market that integrates fully flat into the ceiling
- Advanced technology and top efficiency combined
- Most quiet cassette available on the market

FXZQ-A



Choice between grey or white panel

universal design award 2014

GERMAN DESIGN AWARD SPECIAL 2016

Benefits for the installer

› Unique product in the market!
› Most quiet unit (25dBA)
› The user-friendly remote control, available in several languages, enables the easy set-up of sensor option and control of the individual flap position
› Meeting European design taste.

Benefits for the consultant

› Unique product in the market!
› Blends seamlessly in any modern office interior design
› Ideal product to improve BREEAM score/EPBD in combination with Sky Air (FFA-A) or VRV IV heat pump units (FXZQ-A).

Benefits for the end user

› Engineering excellence and unique design in one
› Most quiet unit (25dBA)
› Perfect working conditions: no more cold draughts
› Save up to 27% on your energy bill thanks to the optional sensors
› Flexible usage of space and suits any room configuration thanks to individual flap control
› User-friendly remote control, available in several languages.

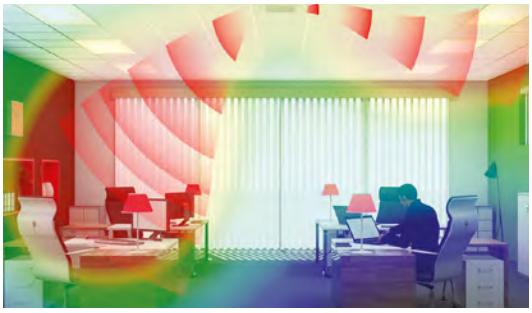




Unique design

› Designed by a European design office to fully meet the European taste.
› Fully flat into the ceiling, leaving only 8mm.
› Fully integrated in the one ceiling tile, enabling lights, speakers and sprinklers to be installed in adjoining ceiling tiles.
› Decoration panel available in 2 colours (white and white-silver).



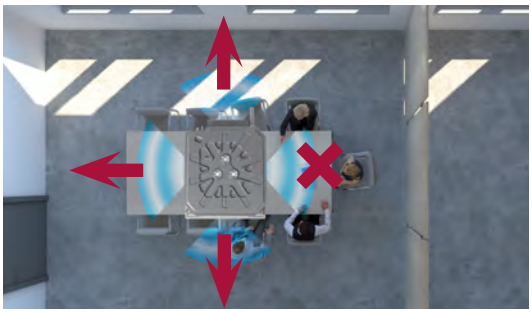


Differentiating in technology

Optional presence sensor
› When the room is empty, it can adjust the set temperature or switch off the unit – saving energy.
› When people are detected, the direction of the airflow is adapted to avoid cold draughts being directed towards occupants.

Optional floor sensor
› Detects the temperature difference and re-directs the airflow to ensure even temperature distribution.





Top efficiency

› When the room is empty, the sensor option can adjust the set temperature or switch off the unit – saving up to 27% energy.

Other benefits

› Individual flap control: easily control one or more flaps via the wired remote controller (BRC1E/BRC1H) when rearranging the room. When fully closing or blocking the flaps, the option "Sealing member of air discharge outlet" is needed.
› Most silent cassette in the market (25dBA), important for office applications.

Marketing tools

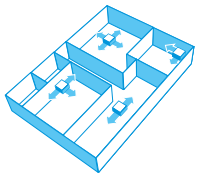
› https://www.daikin.eu/en_us/product-group/fully-flat-cassette.html
› www.youtube.com/DaikinEurope


MART
Budget
TARGET
35 000
50 000
TOTAL
OFFER

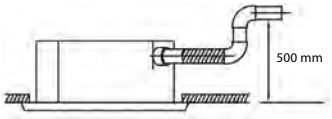
Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!



- Optional fresh air intake
- Standard drain pump with 630mm lift increases flexibility and installation speed





FXZQ-A



BRC1H519W, BRC7F530W-S

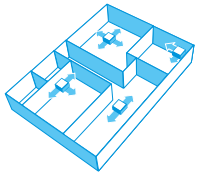
Indoor unit				FXZQ	15A	20A	25A	32A	40A	50A
Cooling capacity	Total capacity	Nom.		kW	1.70	2.20	2.80	3.60	4.50	5.60
Heating capacity	Total capacity	Nom.		kW	1.90	2.50	3.20	4.00	5.00	6.30
Power input - 50Hz	Cooling	Nom.		kW		0.043		0.045	0.059	0.092
	Heating	Nom.		kW		0.036		0.038	0.053	0.086
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575					
Weight	Unit			kg		15.5		16.5		18.5
Casing	Material				Galvanised steel plate					
Decoration panel	Model				BYFQ60C2W1W					
	Colour				White (N9.5)					
	Dimensions	HeightxWidthxDepth		mm	46x620x620					
	Weight			kg	2.8					
Decoration panel 2	Model				BYFQ60C2W1S					
	Colour				SILVER					
	Dimensions	HeightxWidthxDepth		mm	46x620x620					
	Weight			kg	2.8					
Decoration panel 3	Model				BYFQ60B2W1					
	Colour				White (RAL9010)					
	Dimensions	HeightxWidthxDepth		mm	55x700x700					
	Weight			kg	2.7					
Decoration panel 4	Model				BYFQ60B3W1					
	Colour				WHITE (RAL9010)					
	Dimensions	HeightxWidthxDepth		mm	55x700x700					
	Weight			kg	2.7					
Fan	Air flow rate -	Cooling	Low/High	m^3/min	6.5/8.5	6.5/8.7	6.5/9.0	7.0/10.0	8.0/11.5	10.0/14.5
	50Hz	Heating	Low/High	m^3/min	6.5/8.5	6.5/8.7	6.5/9.0	7.0/10.0	8.0/11.5	10.0/14.5
Air filter	Type				Resin net					
Sound power level	Cooling	High		dBA	49		50	51	54	60
Sound pressure level	Cooling	Low/Nom./High		dBA	25.5/28.0/31.5	25.5/29.5/32.0	25.5/30.0/33.0	26.0/30.0/33.5	28.0/32.0/37.0	33.0/40.0/43.0
	Heating	Low/Nom./High		dBA	25.5/28.0/31.5	25.5/29.5/32.0	25.5/30.0/33.0	26.0/30.0/33.5	28.0/32.0/37.0	33.0/40.0/43.0
Refrigerant	Type/GWP				R-410A/2,087.5					
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	12.7					
	Drain				VP20 (I.D. 20/O.D. 26)					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)			A	16					
Control systems	Infrared remote control				BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)					
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52					

Dimensions do not include control box

2-way blow ceiling mounted cassette

Thin, lightweight design installs easily in narrow corridors

› Depth of all units is 620mm, ideal for narrow spaces
› Individual flap control: flexibility to suit every room layout without changing the location of the unit!



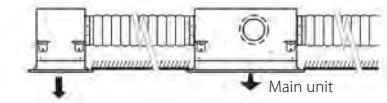
› Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
› Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Fresh air intake opening in casing



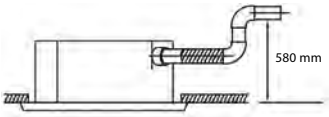
* Brings in up to 10% of fresh air into the room

› Optimum comfort guaranteed with automatic air flow adjustment to the required load
› Maintenance operations can be performed by removing the front panel
› Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



Branch discharge Main discharge

› Standard drain pump with 580mm lift increases flexibility and installation speed





FXCQ20-40A



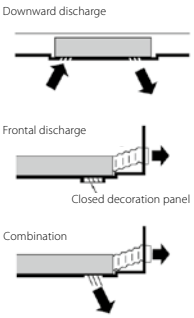
BRC1H519W, BRC7F5C52

Indoor unit			FXCQ	20A	25A	32A	40A	50A	63A	80A	125A
Cooling capacity	Total capacity	Nom.	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0
Heating capacity	Total capacity	Nom.	kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0
Power input - 50Hz	Cooling	Nom.	kW	0.031	0.039		0.041	0.059	0.063	0.090	0.149
	Heating	Nom.	kW	0.028	0.035		0.037	0.056	0.060	0.086	0.146
Dimensions	Unit	HeightxWidthxDepth	mm	305x775x620				305x990x620		305x1,445x620	
Weight	Unit		kg	19				22	25	33	38
Casing	Material			Galvanised steel plate							
Decoration panel	Model			BYBCQ40HW1				BYBCQ63HW1		BYBCQ125HW1	
	Colour			Fresh white (6.5Y 9.5/0.5)							
	Dimensions	HeightxWidthxDepth	mm	55x1,070x700				55x1,285x700		55x1,740x700	
	Weight		kg	10				11		13	
Fan	Air flow rate - 50Hz	Cooling Low/High	m^3/min	7.5/10.5	8/11.5		8.5/12	10.5/15	11.5/16	18.5/26	22.5/32
Air filter	Type			Resin net with mold resistance							
Sound power level	Cooling	Nom./High	dBA	46/48	47/50	48/50	49/52	51/53	53/55	54/58	58/62
Sound pressure level	Cooling	Low/Nom./High	dBA	28.0/30.0/32.0	29.0/31.0/34.0	30.0/32.0/34.0	31.0/33.0/36.0	31.0/35.0/37.0	32.0/37.0/39.0	33.0/38.0/42.0	38.0/42.0/46.0
	Heating	Low/Nom./High	dBA	28.0/30.0/32.0	29.0/31.0/34.0	30.0/32.0/34.0	31.0/33.0/36.0	31.0/35.0/37.0	32.0/37.0/39.0	33.0/38.0/42.0	38.0/42.0/46.0
Refrigerant	Type/GWP			R-410A/2,087.5							
Piping connections	Liquid	OD	mm	6.35					9.52		
	Gas	OD	mm	12.7					15.9		
	Drain			VP25 (O.D. 32 / I.D. 25)							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240							
Current - 50Hz	Maximum fuse amps (MFA)		A	16							
Control systems	Infrared remote control			BRC7C52							
	Wired remote control			BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52							

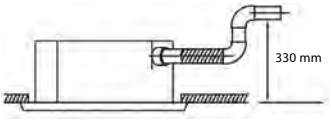
Ceiling mounted corner cassette

1-way blow unit for corner installation

› Compact dimensions, can easily be mounted in a narrow ceiling void (only 220mm ceiling space required, 195 with panel spacer, available as accessory)
› Optimum air flow conditions are created by either downward air discharge or frontal air discharge (via optional grille) or a combination of both



› Maintenance operations can be performed by removing the front panel
› Standard drain pump with 330mm lift increases flexibility and installation speed





FXKQ-MA



BRC1H519W, BRC4C61

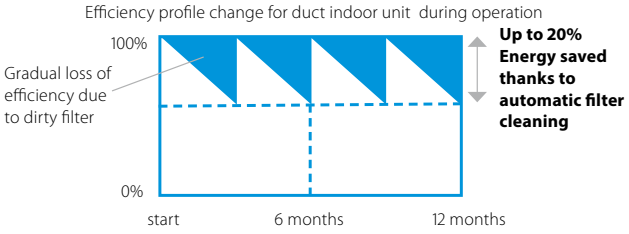
Indoor unit				FXKQ	25MA	32MA	40MA	63MA
Cooling capacity	Total capacity	Nom.		kW	2.8	3.6	4.5	7.10
Heating capacity	Total capacity	Nom.		kW	3.2	4.0	5.0	8.00
Power input - 50Hz	Cooling	Nom.		kW	0.066		0.076	0.105
	Heating	Nom.		kW	0.046		0.056	0.085
Dimensions	Unit	HeightxWidthxDepth		mm	215x1,110x710			215x1,310x710
Weight	Unit			kg	31			34
Casing	Material				Galvanised steel plate			
Decoration panel	Model				BYK45FJW1			BYK71FJW1
	Colour				White			
	Dimensions	HeightxWidthxDepth		mm	70x1,240x800			70x1,440x800
	Weight			kg	8.5			9.5
Fan	Air flow rate - 50Hz	Cooling	Low/High	m^3/min	9/11		10/13	15/18
Air filter	Type				Resin net with mold resistance			
Sound power level	Cooling	High		dBA	54		56	58
Sound pressure level	Cooling	Low/High		dBA	33.0/38.0		34.0/40.0	37.0/42.0
Refrigerant	Type/GWP				R-410A/2,087.5			
Piping connections	Liquid	OD		mm	6.35			9.52
	Gas	OD		mm	12.7			15.9
	Drain				VP25 (O.D. 32 / I.D. 25)			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			
Current - 50Hz	Maximum fuse amps (MFA)			A	15			
Control systems	Infrared remote control				BRC4C61			
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52			

Auto cleaning filter for concealed ceiling units



The unique automatic cleaning filter achieves higher efficiency and comfort with lower maintenance costs

Reduce running costs
› Automatic filter cleaning ensures low maintenance costs because the filter is always clean



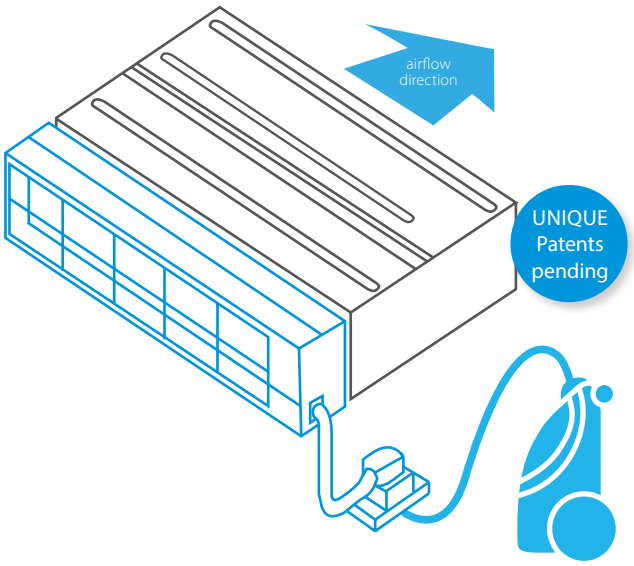
Minimal time required for filter cleaning
› The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
› No more dirty ceilings

Improved indoor air quality
› Optimum airflow eliminates draft and insulates sound

Superb reliability
› Prevents clogged filters for seamless operation

Unique technology
› Unique and innovative filter technology inspired by the Daikin auto cleaning cassette





How does it work?

❶ Scheduled automatic filter cleaning
❷ Dust collects in a dust box that's integrated into the unit
❸ The dust can easily be removed with a vacuum cleaner

YouTube

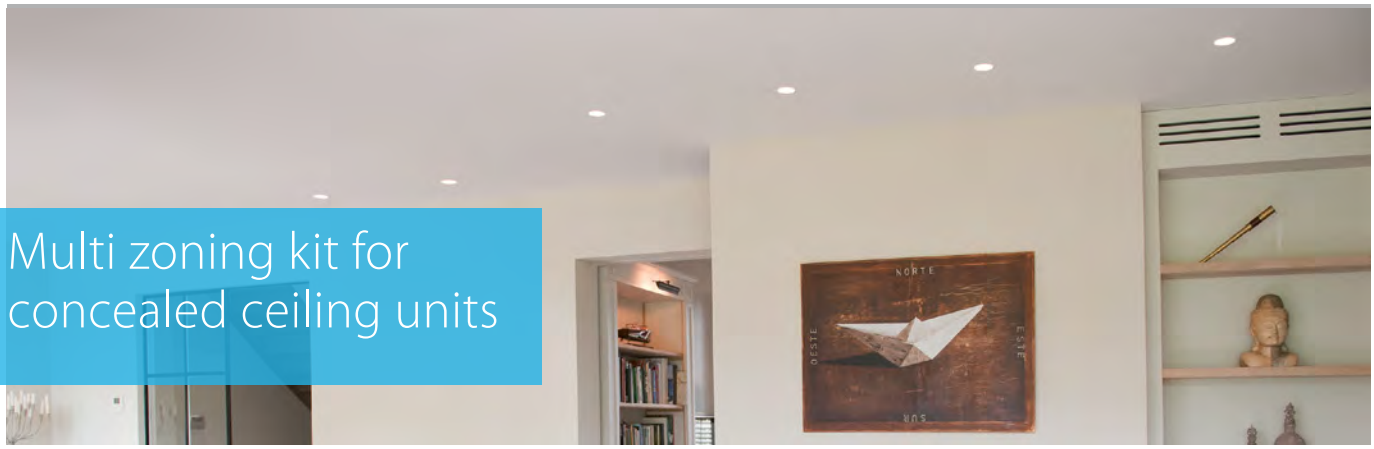
www.youtube.com/DaikinEurope

Combination table

	Split / Sky Air				VRV						
	FDXM-F9				FXDQ-A3						
	25	35	50	60	15	20	25	32	40	50	63
BAE20A62	•	•			•	•	•	•			
BAE20A82									•	•	
BAE20A102			•	•							•

Specifications

	BAE20A62	BAE20A82	BAE20A102
Heigth (mm)	212		
Width (mm)	764	964	1164
Width (mm) (incl. hanger bracket)	984	1094	1294
Depth (mm)	201		



Multi zoning kit for concealed ceiling units

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

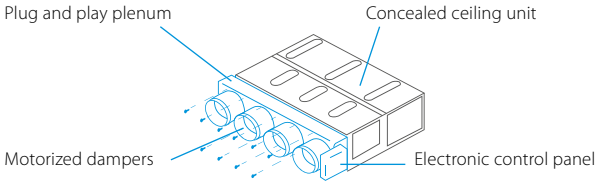
Benefits

Increased comfort

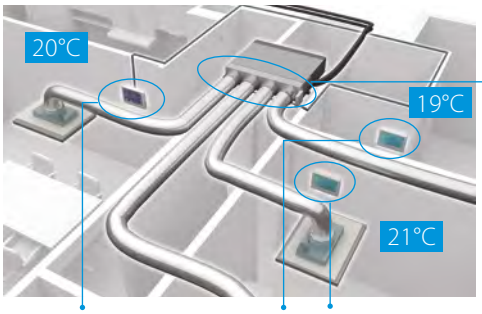
› Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

Easy to install

› Automatic air flow adjustment according to the demand
› Easy to install, integrates with the Daikin indoor units and system controls
› Time saving as plenum comes fully pre-assembled with dampers, and control boards
› Reduces the amount of refrigerant required in the installation



How does it work?



Individual zone thermostats



Zoning box: fully pre-assembled plenum with dampers

Blueface - Airzone Main Thermostat
› Color graphic interface for controlling zones
› Wired communication



AZCE6BLUEFACECB

Airzone Zone Thermostat
› Graphic interface with low-energy e-ink screen for controlling zones
› Radio communication



AZCE6THINKRB

Airzone Zone Thermostat
› Thermostat with buttons for controlling the temperature
› Radio communication



AZCE6LITERB

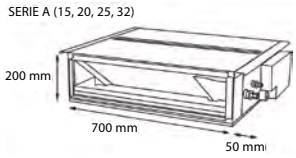
Compatibility

	Number of motorised dampers	Reference	Dimensions H x W x D (mm)	SkyAir FDXM-F9 25	35	50	60	SkyAir FBA-A9 35	50	60	71	100	125	140	SkyAir ADEA-A 71	100	125	VRV FXDQ-A3 15	20	25	32	40	50	63	VRV FXSQ-A 15	20	25	32	40	50	63	71	80	100	125	140
Standard Ceiling Void	2	AZEZ6DAIST07XS2	300 x 930 x 454																						•	•	•	•							
		AZEZ6DAIST07S2						•	•																				•	•					
	3	AZEZ6DAIST07XS3	300 x 930 x 454																						•	•	•	•							
		AZEZ6DAIST07S3						•	•																				•	•					
	4	AZEZ6DAIST07S4	300 x 930 x 454					•	•																				•	•					
		AZEZ6DAIST07M4	300 x 1,140 x 454							•	•				•																•		•		
	5	AZEZ6DAIST07M5	300 x 1,425 x 454							•	•				•																•		•		
		AZEZ6DAIST07L5										•	•	•		•	•																•	•	
	6	AZEZ6DAIST07M6	300 x 1,638 x 454							•	•				•																•		•		
		AZEZ6DAIST07L6										•	•	•		•	•																•	•	
	7	AZEZ6DAIST07L7	515 x 1,425 x 454									•	•	•		•	•																•	•	
		AZEZ6DAIST07XL7																																	•
	8	AZEZ6DAIST07L8	515 x 1,425 x 454									•	•	•		•	•																•	•	
		AZEZ6DAIST07XL8																																	•
Compact Ceiling Void	2	AZEZ6DAISL01S2	210 x 720 x 444	•	•													•	•	•	•														
	3	AZEZ6DAISL01S3	210 x 720 x 444	•	•													•	•	•	•														
	4	AZEZ6DAISL01M4	210 x 930 x 444																			•	•												
	5	AZEZ6DAISL01L5	210 x 1,140 x 444			•	•																	•											

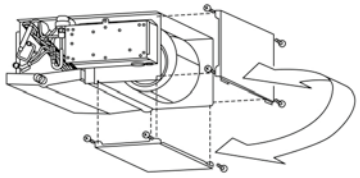
Slim concealed ceiling unit

Slim design for flexible installation

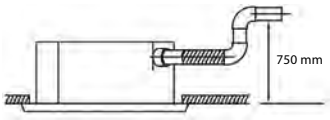
› Compact dimensions, can easily be mounted in a ceiling void of only 240mm

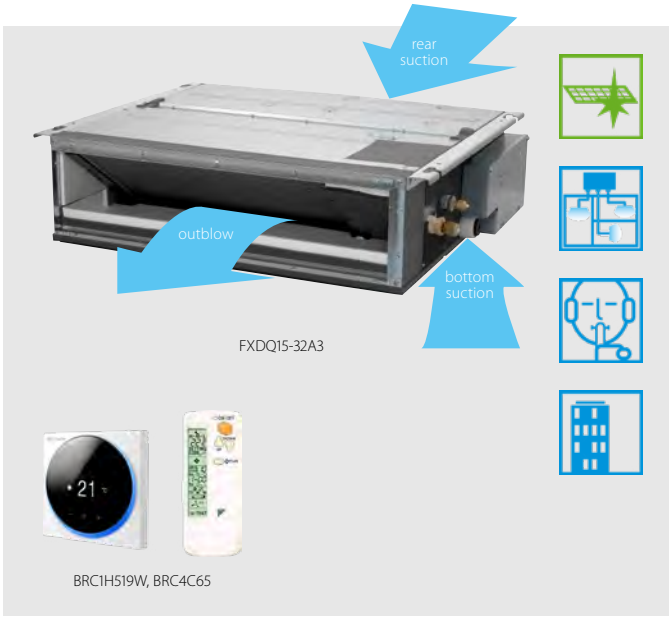


› Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
› Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
› Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
› Flexible installation, as the air suction direction can be altered from rear to bottom suction



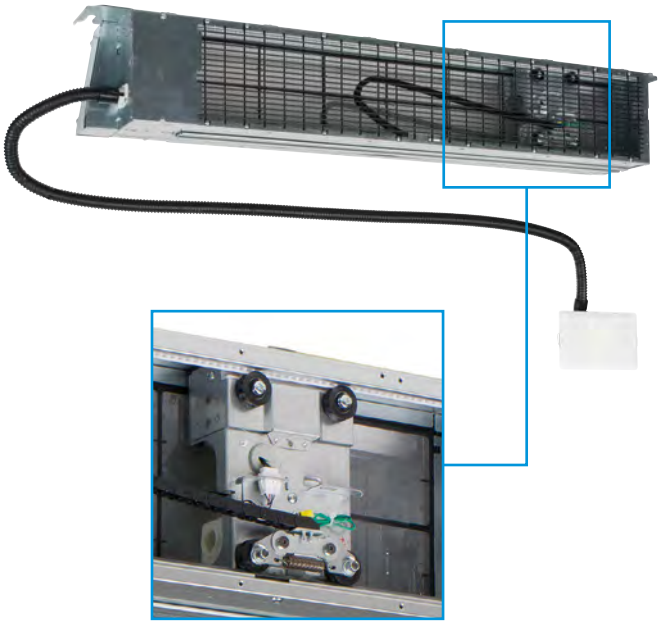
› Standard drain pump with 750mm lift increases flexibility and installation speed





FXDQ15-32A3

BRC1H519W, BRC4C65



Auto cleaning filter option

Indoor unit			FXDQ	15A3	20A3	25A3	32A3	40A3	50A3	63A3
Cooling capacity	Total capacity	Nom.	kW	1.70	2.20	2.80	3.60	4.50	5.60	7.10
Heating capacity	Total capacity	Nom.	kW	1.90	2.50	3.20	4.00	5.00	6.30	8.00
Power input - 50Hz	Cooling	Nom.	kW	0.071				0.078	0.099	0.110
	Heating	Nom.	kW	0.068				0.075	0.096	0.107
Required ceiling void >			mm	240						
Dimensions	Unit	HeightxWidthxDepth	mm	200x750x620				200x950x620		200x1,150x620
Weight	Unit		kg	22.0				26.0		29.0
Casing	Material			Galvanised steel						
Fan	Air flow rate - 50Hz	Cooling Low/High	m^3/min	6.4/7.5	6.4/8.0			8.5/10.5	10.0/12.5	13.0/16.5
	External static pressure - 50Hz	Nom./High	Pa	10/30.0				15/44.0		
Air filter	Type			Removable / washable						
Sound power level	Cooling	High	dBA	50	51			52	53	54
Sound pressure level	Cooling	Low/Nom./High	dBA	27.0/31.0/32.0	27.0/31.0/33.0			28.0/32.0/34.0	29.0/33.0/35.0	30.0/34.0/36.0
Refrigerant	Type/GWP			R-410A/2,087.5						
Piping connections	Liquid	OD	mm	6.35						9.52
	Gas	OD	mm	12.7						15.9
	Drain			VP20 (I.D. 20/O.D. 26)						
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220						
Current - 50Hz	Maximum fuse amps (MFA)		A	16						
Control systems	Infrared remote control			BRC4C65 / BRC4C66						
	Wired remote control			BRC1H519W/S/K / BRC1E53A/B/C/ BRC1D52						

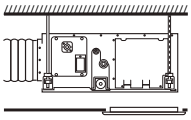
Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

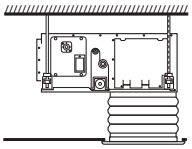
› Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge



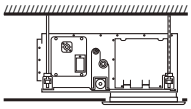
› Quiet operation: down to 25dBA sound pressure level
› Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
› Possibility to change ESP via wired remote control allows optimisation of the supply air volume
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
› Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
› Optional fresh air intake
› Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



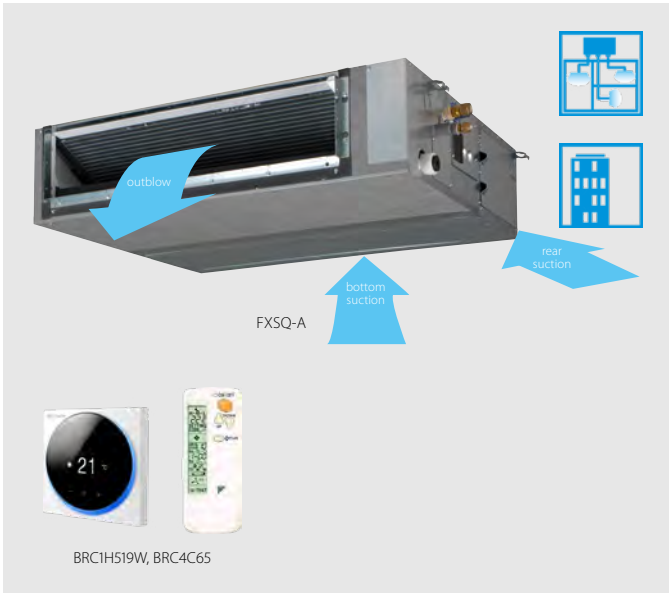
For free use into a false ceiling



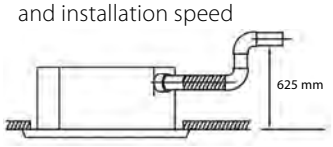
For connecting onto a suction canvas (not supplied by Daikin)



For direct connection to Daikin panel (via EKBYBSD kit)



› Standard built-in drain pump with 625mm lift increases flexibility and installation speed

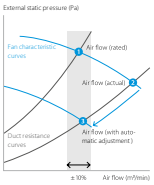


Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance ✳ the real air flow may be much lower or higher than nominal , leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



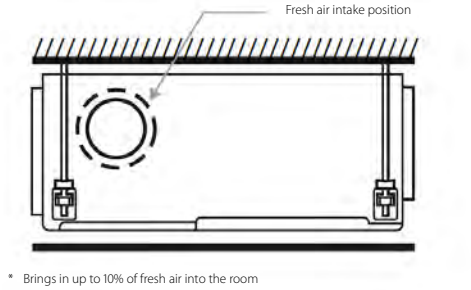
Indoor unit			FXSQ	15A	20A	25A	32A	40A	50A	63A	80A	100A	125A	140A
Cooling capacity	Total capacity	Nom.	kW	1.70	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00	16.00
Heating capacity	Total capacity	Nom.	kW	1.90	2.50	3.20	4.00	5.00	6.30	8.00	10.0	12.5	16.0	18.0
Power input - 50Hz	Cooling	Nom.	kW	0.090			0.096	0.151	0.154	0.188	0.213	0.290	0.331	0.386
	Heating	Nom.	kW	0.086			0.092	0.147	0.150	0.183	0.209	0.285	0.326	0.382
Dimensions	Unit	HeightxWidthxDepth	mm	245x550x800				245x700x800		245x1,000x800		245x1,400x800		245x1,550x800
Weight	Unit		kg	23.5			24.0	28.5	29.0	35.5	36.5	46.0	47.0	51.0
Casing	Material			Galvanised steel plate										
Fan	Air flow rate - 50Hz	Cooling Low/High	m^3/min	6.5/8.7	6.5/9.0		7.0/9.5	11.0/15.0	11.0/15.2	15.0/21.0	16.0/23.0	23.0/32.0	26.0/36.0	28.0/39.0
		Heating Low/High	m^3/min	6.5/8.7	6.5/9.0		7.0/9.5	11.0/15.0	11.0/15.2	15.0/21.0	16.0/23.0	23.0/32.0	26.0/36.0	28.0/39.0
	External static pressure - 50Hz	Nom./High	Pa	30/150							40/150		50/150	
Air filter	Type			Resin net										
Sound power level	Cooling	High	dBA	54			55	60		59	61		64	
Sound pressure level	Cooling	Low/Nom./High	dBA	25.0/28.0/29.5	25.0/28.0/30.0		26.0/29.0/31.0	29.0/32.0/35.0		27.0/30.0/33.0	29.0/32.0/35.0	31.0/34.0/36.0	33.0/36.0/39.0	34.0/38.0/41.5
	Heating	Low/Nom./High	dBA	26.0/29.0/31.5	26.0/29.0/32.0		27.0/30.0/33.0	29.0/34.0/37.0		28.0/32.0/35.0	30.0/34.0/37.0	31.0/34.0/37.0	33.0/37.0/40.0	34.0/38.5/42.0
Refrigerant	Type/GWP			R-410A/2,087.5										
Piping connections	Liquid	OD	mm	6.35						9.52				
	Gas	OD	mm	12.7						15.9				
	Drain			VP20 (I.D. 20/O.D. 26), drain height 625 mm										
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220										
Current - 50Hz	Maximum fuse amps (MFA)		A	16										
Control systems	Infrared remote control			BRC4C65										
	Wired remote control			BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52										

Concealed ceiling unit with high ESP

Ideal for large sized spaces
FXMQ-P7: ESP up to 200 Pa

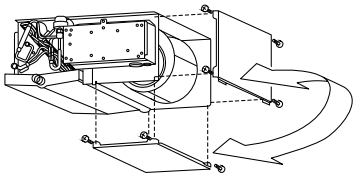
› Possibility to change ESP via wired remote control allows optimisation of the supply air volume
› High external static pressure up to 200Pa facilitates extensive duct and grille network
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

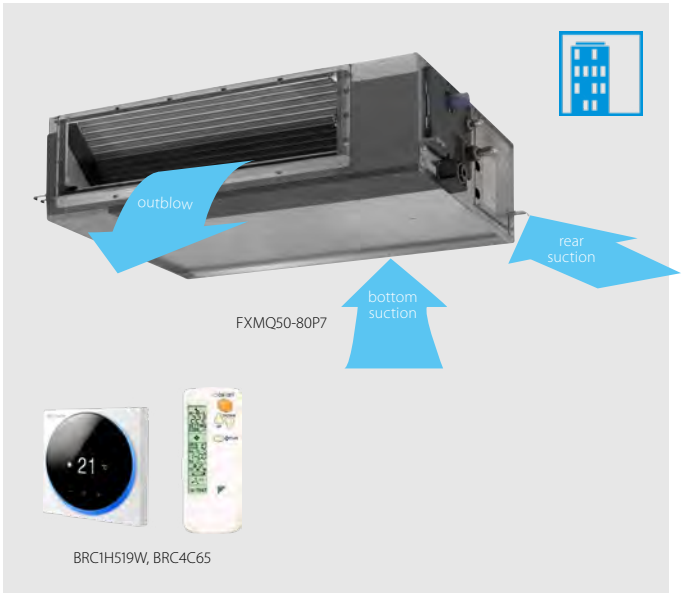
Fresh air intake opening in casing



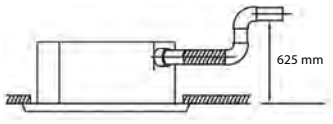
* Brings in up to 10% of fresh air into the room

› Flexible installation, as the air suction direction can be altered from rear to bottom suction





› Standard built-in drain pump with 625mm lift increases flexibility and installation speed

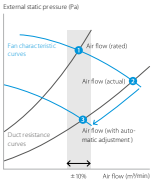


FXMQ-MB: ESP up to 270 Pa

› High external static pressure up to 270Pa facilitates extensive duct and grille network
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› Large capacity unit: up to 31.5 kW heating capacity

Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%



Why?

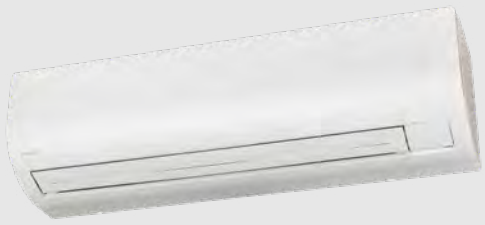
After installation the real ducting will frequently differ from the initially calculated air flow resistance ✳ the real air flow may be much lower or higher than nominal , leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster

Indoor unit			FXMQ	50P7	63P7	80P7	100P7	125P7	200MB	250MB
Cooling capacity	Total capacity	Nom.	kW	5.6	7.1	9.0	11.2	14.0	22.4	28.0
	Nom.		kW				-			
Heating capacity	Total capacity	Nom.	kW	6.3	8.0	10.0	12.5	16.0	25.0	31.5
	Nom.		kW				-			
Power input - 50Hz	Cooling	Nom.	kW	0.110	0.120	0.171	0.176	0.241	0.895	1.185
	Heating	Nom.	kW	0.098	0.108	0.159	0.164	0.229	0.895	1.185
Required ceiling void >			mm			350			-	
Dimensions	Unit	HeightxWidthxDepth	mm		300x1,000x700		300x1,400x700		470x1,380x1,100	
Weight	Unit		kg		35		46		132	
Casing	Material					Galvanised steel plate				
Decoration panel	Model				BYBS71DJW1		BYBS125DJW1		-	
	Colour					White (10Y9/0.5)			-	
	Dimensions	HeightxWidthxDepth	mm		55x1,100x500		55x1,500x500		-x-x-	
	Weight		kg		4.5		6.5		-	
Fan	Air flow rate -	Cooling Low/High	m^3/min	15.0/18.0	16.0/19.5	20.0/25.0	23.0/32.0	28.0/39.0	50/58	62/72
	50Hz	Heating Low/High	m^3/min	15.0/18.0	16.0/19.5	20.0/25.0	23.0/32.0	28.0/39.0	-/-	
	External static pressure - 50Hz	Nom./High	Pa			100/200			160/270	170/270
Air filter	Type					Resin net			-	
Sound power level	Cooling	Nom./High	dBA	-/61	-/64	-/67	-/65	-/70	75/76	
Sound pressure level	Cooling	Low/High	dBA	37/41	38/42	39/43		40/44	45/48	
	Heating	Low/High	dBA	37/41	38/42	39/43		40/44	-/-	
Refrigerant	Type/GWP					R-410A/-			R-410A/2,087.5	
Piping connections	Liquid	OD	mm	6.35		9.52				
	Gas	OD	mm	12.7		15.9			19.1	22.2
	Drain					VP25 (I.D. 25/O.D. 32)			PS1B	
Power supply	Phase/Frequency/Voltage		Hz/V			1~/50/60/220-240/220			1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)		A			16				
Control systems	Infrared remote control					BRC4C65				
	Wired remote control					BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52				

Wall mounted unit

For rooms with no false ceilings nor free floor space

› Flat, stylish front panel blends easily within any interior décor and is easier to clean
› Can easily be installed in both new and refurbishment projects
› The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
› Maintenance operations can be performed easily from the front of the unit



FXAQ-A



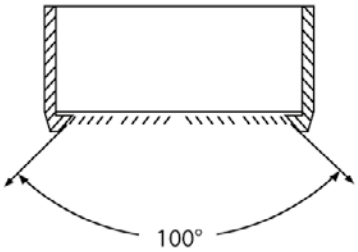
BRC1H519W, BRC7EA628

Indoor unit				FXAQ	15A	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	Nom.		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	Nom.		kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	Nom.		kW	0.02		0.03		0.02	0.03	0.05
	Heating	Nom.		kW	0.03			0.04	0.02	0.04	0.06
Dimensions	Unit	HeightxWidthxDepth		mm	290x795x266				290x1,050x269		
Weight	Unit			kg	12				15		
Fan	Air flow rate - 50Hz	Cooling	Low/High	m^3/min	7.0/8.4	7.0/9.1	7.0/9.4	7.0/9.8	9.7/12.2	11.5/14.4	13.5/18.3
Air filter	Type				Washable resin net						
Sound power level	Cooling	High		dBA	51.0	52.0	53.0	55.0		58.0	63.0
Sound pressure level	Cooling	Low/High		dBA	28.5/32.0	28.5/33.0	28.5/35.0	28.5/37.5	33.5/37.0	35.5/41.0	38.5/46.5
	Heating	Low/High		dBA	28.5/33.0	28.5/34.0	28.5/36.0	28.5/38.5	33.5/38.0	35.5/42.0	38.5/47.0
Refrigerant	Type/GWP				R-410A/2,087.5						
Piping connections	Liquid	OD		mm	6.35						9.52
	Gas	OD		mm	12.7						15.9
	Drain				VP13 (I.D. 15/O.D. 18)						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240						
Current - 50Hz	Maximum fuse amps (MFA)			A	16						
Control systems	Infrared remote control				BRC7EA628 / BRC7EA629						
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52						

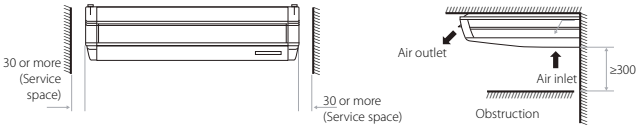
Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

› Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



› Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
› Can easily be installed in both new and refurbishment projects
› Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



› Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Fresh air intake opening in casing



* Brings in up to 10% of fresh air into the room

› Reduced energy consumption thanks to specially developed DC fan motor and drain pump
› Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



FXHQ63A

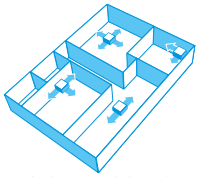
BRC1H519W, BRC7G53

Indoor unit				FXHQ	32A	63A	100A
Cooling capacity	Total capacity	Nom.		kW	3.6	7.1	11.2
Heating capacity	Total capacity	Nom.		kW	4.0	8.0	12.5
Power input - 50Hz	Cooling	Nom.		kW	0.107	0.111	0.237
	Heating	Nom.		kW	0.107	0.111	0.237
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690	235x1,270x690	235x1,590x690
Weight	Unit			kg	24	33	39
Casing	Material				Resin		
Fan	Air flow rate -	Cooling	Low/High	m^3/min	10.0/14.0	14.0/20.0	19.0/29.5
	50Hz	Heating	Low/High	m^3/min	10.0/14.0	14.0/20.0	19.0/29.5
Air filter	Type				Resin net with mold resistance		
Sound power level	Cooling	Nom./High		dBA	52/54	53/55	55/62
Sound pressure	Cooling	Low/Nom./High		dBA	31.0/34.0/36.0	34.0/35.0/37.0	34.0/37.0/44.0
level	Heating	Low/Nom./High		dBA	31.0/34.0/36.0	34.0/35.0/37.0	34.0/37.0/44.0
Refrigerant	Type/GWP				R-410A/2,087.5		
Piping connections	Liquid	OD		mm	6.35	9.52	
	Gas	OD		mm	12.7	15.9	
	Drain				VP20 (I.D. 20/O.D. 26)		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	16		
Control systems	Infrared remote control				BRC7G53		
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52		

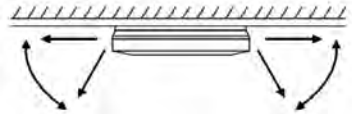
4-way blow ceiling suspended unit

Unique Daikin unit for high rooms with no false ceilings nor free floor space

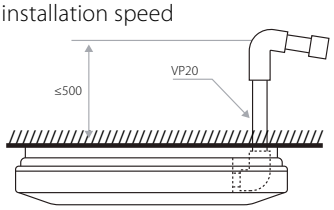
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!



- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- 5 different discharge angles between 0 and 60°can be programmed via the remote control



- Standard drain pump with 500mm lift increases flexibility and installation speed





Indoor unit				FXUQ	71A	100A
Cooling capacity	Total capacity	Nom.		kW	8.0	11.2
Heating capacity	Total capacity	Nom.		kW	9.0	12.5
Power input - 50Hz	Cooling	Nom.		kW	0.090	0.200
	Heating	Nom.		kW	0.073	0.179
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950	
Weight	Unit			kg	26	27
Casing	Material				Resin	
Fan	Air flow rate -	Cooling	Low/High	m^3/min	16.0/22.5	21.0/31.0
	50Hz	Heating	Low/High	m^3/min	16.0/22.5	21.0/31.0
Air filter	Type				Resin net with mold resistance	
Sound power level	Cooling	Nom./High		dBA	56/58	62/65
Sound pressure	Cooling	Low/Nom./High		dBA	36.0/38.0/40.0	40.0/44.0/47.0
level	Heating	Low/Nom./High		dBA	36.0/38.0/40.0	40.0/44.0/47.0
Refrigerant	Type/GWP				R-410A/2,087.5	
Piping connections	Liquid	OD		mm	9.52	
	Gas	OD		mm	15.9	
	Drain				I.D. 20/O.D. 26	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220-230	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	
Control systems	Infrared remote control				BRC7C58	
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52	

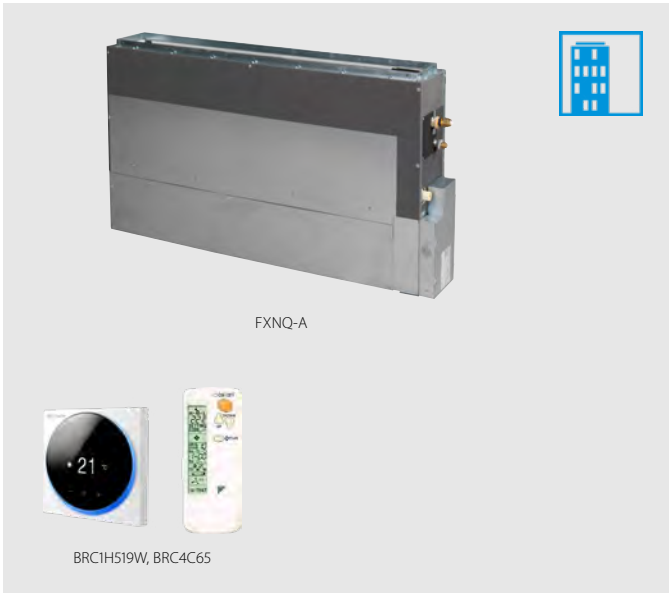
Concealed floor standing unit

Designed to be concealed in walls

› Discretely concealed in the wall: only the suction and discharge grilles are visible
› Requires very little installation space as the depth is only 200mm



› Its low height (620 mm) enables the unit to fit perfectly beneath a window
› High ESP allows flexible installation

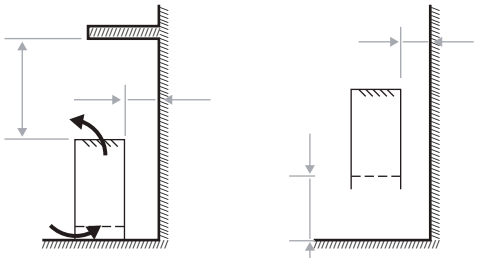


Indoor unit				FXNQ	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	Nom.	kW		2.20	2.80	3.60	4.50	5.60	7.10
Heating capacity	Total capacity	Nom.	kW		2.50	3.20	4.00	5.00	6.30	8.00
Power input - 50Hz	Cooling	Nom.	kW		0.071			0.078	0.099	0.110
	Heating	Nom.	kW		0.068			0.075	0.096	0.107
Dimensions	Unit	HeightxWidthxDepth	mm		620 / 720x790x200			620 / 720x990x200		620 / 720x1,190x200
Weight	Unit		kg		23.5			27.5		32.0
Casing	Material				Galvanised steel plate					
Fan	Air flow rate - 50Hz	Cooling Low/High	m^3/min		6.4/8.0			8.5/10.5	10.0/12.5	13.0/16.5
		Heating Low/High	m^3/min		6.4/8.0			8.5/10.5	10.0/12.5	13.0/16.5
	External static pressure - 50Hz	Nom./High	Pa		10/41.0		10/42.0	15/52.0	15/59.0	15/55.0
Air filter	Type				Resin net					
Sound power level	Cooling	High	dBA		51			52	53	54
Sound pressure level	Cooling	Low/Nom./High	dBA		27.0/28.5/30.0			28.0/30.0/32.0	29.0/31.0/33.0	32.0/33.0/35.0
	Heating	Low/Nom./High	dBA		27.0/28.5/30.0			28.0/30.0/32.0	29.0/31.0/33.0	32.0/33.0/35.0
Refrigerant	Type/GWP				R-410A/2,087.5					
Piping connections	Liquid	OD	mm		6.35					9.52
	Gas	OD	mm		12.7					15.9
	Drain				VP20 (I.D. 20/O.D. 26)					
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)		A		16					
Control systems	Infrared remote control				BRC4C65					
	Wired remote control				BRC1D52 / BRC1E53A/B/C / BRC1H519W/S/K					

Floor standing unit

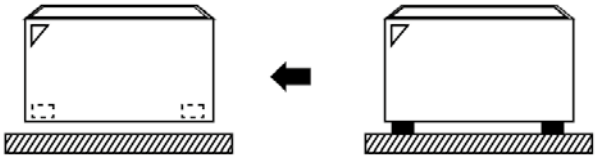
For perimeter zone air conditioning

- Unit can be installed as free standing model by use of optional back plate
- Its low height enables the unit to fit perfectly beneath a window
- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- Requires very little installation space



Floor standing Wall mounted

- Wall mounted installation facilitates cleaning beneath the unit where dust tends to accumulate



- Wired remote control can easily be integrated in the unit



FXLQ20,25P



BRC1H519W, BRC4C65

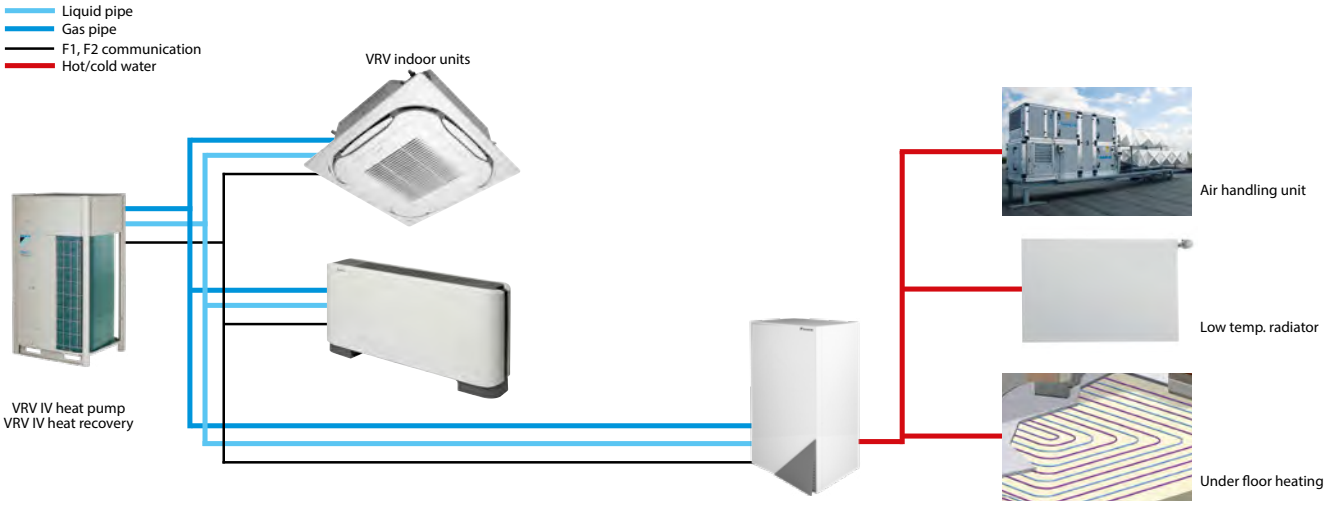
Indoor unit				FXLQ	20P	25P	32P	40P	50P	63P
Cooling capacity	Total capacity	Nom.		kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	Nom.		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	Nom.		kW	0.05		0.09		0.11	
	Heating	Nom.		kW	0.05		0.09		0.11	
Dimensions	Unit	HeightxWidthxDepth		mm	600x1,000x232		600x1,140x232		600x1,420x232	
Weight	Unit			kg	27		32		38	
Fan	Air flow rate - 50Hz	Cooling	Low/High	m^3/min	6.0/7		6.0/8	8.5/11	11.0/14	12.0/16
Air filter	Type				Resin net					
Sound power level	Cooling	High		dBA	54			57	58	59
Sound pressure level	Cooling	Low/High		dBA	32/35			33/38	34/39	35/40
	Heating	Low/High		dBA	32/35			33/38	34/39	35/40
Refrigerant	Type/GWP				R-410A/2,087.5					
Piping connections	Liquid	OD		mm	6.35					9.52
	Gas	OD		mm	12.7					15.9
	Drain				O.D. 21 (Vinyl chloride)					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)			A	15					
Control systems	Infrared remote control				BRC4C65					
	Wired remote control				BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52					

Low temperature hydrobox for VRV

For high efficiency space heating and cooling

- Air to water connection to VRV for applications such as underfloor, air handling units, low temperature radiators, …
- Leaving water temperature range from 5°C to 45°C without electric heater
- Super wide operating range for hot/cold water production from -20 to +43°C ambient outdoor temperature
- Saves time on system design as all water-side components are fully integrated with direct control over leaving water temperature
- Space saving contemporary wall hung design
- No gas connection or oil tank needed
- Connectable to VRV IV heat pump and heat recovery





Indoor Unit				HXY	080A8	125A8
Cooling capacity	Nom.			kW	8.0 (1)	12.5 (1)
Heating capacity	Nom.			kW	9.00 (2)	14.00 (2)
Dimensions	Unit	HeightxWidthxDepth		mm	890x480x344	
Weight	Unit			kg	44	
Casing	Colour				White	
	Material				Precoated sheet metal	
Sound pressure level	Nom.			dBA	-	
Operation range	Heating	Ambient	Min.~Max.	°C	-20~24	
		Water side	Min.~Max.	°C	25~45	
	Domestic hot water	Ambient	Min.~Max.	°CDB	-~-	
		Water side	Min.~Max.	°C	-~-	
Refrigerant	Type				R-410A	
	GWP				2,087.5	
Refrigerant circuit	Gas side diameter			mm	15.9	
	Liquid side diameter			mm	9.5	
Water circuit	Piping connections diameter			inch	G 1"1/4 (female)	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	
Current	Recommended fuses			A	6~16	

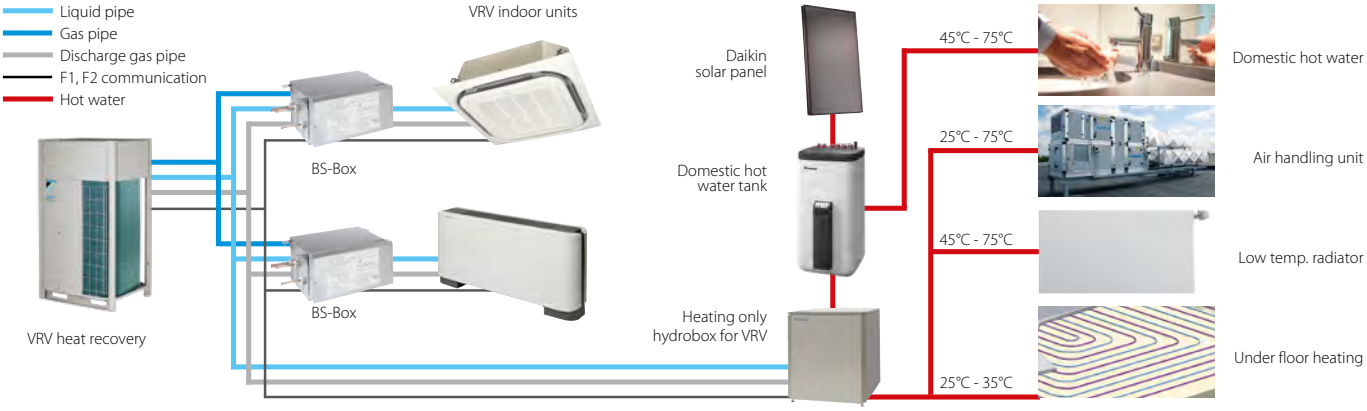
(1) Tamb 35°C - LWE 18°C (DT=5°C) (2) DB/WB 7°C/6°C - LWC 35°C (DT=5°C) (3) Flow switch setting

High temperature hydrobox for VRV

For efficient hot water production and space heating

- Air to water connection to VRV for applications such as bathrooms, sinks, underfloor heating, radiators and air handling units
- Leaving water temperature range from 25 to 80°C without electric heater
- „Free" heating and hot water production provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
- Uses heat pump technology to produce hot water efficiently, providing up to 17% savings compared to a gas boiler
- Possibility to connect thermal solar collectors to the domestic hot water tank
- Super wide operating range for hot water production from -20 to +43°C ambient outdoor temperature
- Saves time on system design as all water-side components are fully integrated with direct control over leaving water temperature
- Various control possibilities with weather dependant set point or thermostat control
- The indoor unit and domestic hot water tank can be stacked to save space, or installed next to each other, if only limited height is available
- No gas connection or oil tank needed
- Connectable to VRV IV heat recovery





Indoor Unit				HXHD	125A	200A
Heating capacity	Nom.			kW	14.0	22.4
Dimensions	Unit	Height x Width x Depth		mm	705 x 600 x 695	
Weight	Unit			kg	92.0	147
Casing	Colour				Metallic grey	
	Material				Precoated sheet metal	
Sound power level	Nom.			dBA	55.0 (2)	60.0 (2)
Sound pressure level	Nom.			dBA	42.0 (2) / 43.0 (3)	46.0 (2) / 46.0
	Night quiet mode	Level 1		dBA	38 (2)	45 (2)
Operation range	Heating	Ambient	Min. ~ Max.	°C	-20.0 ~ 20 / 24 (1)	
		Water side	Min. ~ Max.	°C	25 ~ 80.0	
	Domestic hot water	Ambient	Min. ~ Max.	°CDB	-20.0 ~ 43.0	
		Water side	Min. ~ Max.	°C	45 ~ 75	
Refrigerant	Type				R-134a	
	GWP				1,430	
	Charge			kg	2.00	2.60
Water circuit	Piping connections diameter			inch	G 1" (female)	
	Heating water system	Water volume	Max. ~ Min.	l	200 ~ 20	400 ~ 20
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	3~ / 50 / 380-415
Current	Recommended fuses			A	20	16

(1) Field setting | (2) Sound levels are measured at: EW 55°C; LW 65°C | (3) Sound levels are measured at: EW 70°C; LW 80°C

EKHWP-B

Domestic hot water tank

Plastic domestic hot water tank with solar support

› Tank designed for connection with drainback thermal solar system
› Available in 300 and 500 liters
› Large hot water storage tank to provide domestic hot water at any time
› Heat loss is reduced to a minimum thanks to the high quality insulation
› Space heating support possible (500l tank only)



EKHWP300B EKHWP500B

Accessory				EKHWP	300B	500B
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)	
	Material				Impact resistant polypropylene	
Dimensions	Unit	Width	mm		595	790
		Depth	mm		615	790
Weight	Unit	Empty	kg		58	82
Tank	Water volume			l	294	477
	Material				Polypropylen	
	Maximum water temperature			°C	85	
	Insulation	Heat loss		kWh/24h	1.5	1.7
	Energy efficiency class				B	
	Standing heat loss			W	64	72
	Storage volume			l	294	477
Heat exchanger	Domestic hot water	Quantity			1	
		Tube material			Stainless steel (DIN 1.4404)	
		Face area		m^2	5.600	5.800
		Internal coil volume		l	27.1	28.1
		Operating pressure		bar	6	
		Average specifc thermal output		W/K	2,790	2,825
	Charging	Quantity			1	
		Tube material			Stainless steel (DIN 1.4404)	
		Face area		m^2	3	4
		Internal coil volume		l	13	18
		Operating pressure		bar	3	
		Average specifc thermal output		W/K	1,300	1,800
	Auxiliary solar heating	Tube material			-	Stainless steel (DIN 1.4404)
		Face area		m^2	-	1
		Internal coil volume		l	-	4
		Operating pressure		bar	-	3
		Average specifc thermal output		W/K	-	280

EKHWP-PB

Domestic hot water tank

Pressureless domestic hot water tank with solar support

› Tank designed for connection with pressurised thermal solar system
› Available in 300 and 500 liters
› Large hot water storage tank to provide domestic hot water at any time
› Heat loss is reduced to a minimum thanks to the high quality insulation
› Space heating support possible (500l tank only)



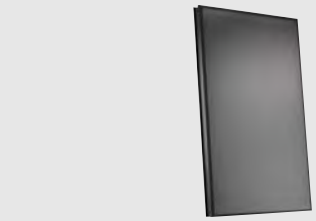
EKHWP300PB EKHWP500PB

Accessory				EKHWP	300PB	500PB
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)	
	Material				Impact resistant polypropylene	
Dimensions	Unit	Width	mm		595	790
		Depth	mm		615	790
Weight	Unit	Empty	kg		58	89
Tank	Water volume			l	294	477
	Material				Polypropylen	
	Maximum water temperature			°C	85	
	Insulation	Heat loss		kWh/24h	1.5	1.7
	Energy efficiency class				B	
	Standing heat loss			W	64	72
	Storage volume			l	294	477
Heat exchanger	Domestic hot water	Quantity			1	
		Tube material			Stainless steel (DIN 1.4404)	
		Face area		m^2	5.600	5.900
		Internal coil volume		l	27.1	28.1
		Operating pressure		bar	6	
		Average specifc thermal output		W/K	2,790	2,825
	Charging	Quantity			1	
		Tube material			Stainless steel (DIN 1.4404)	
		Face area		m^2	3	4
		Internal coil volume		l	13	18
		Operating pressure		bar	3	
		Average specifc thermal output		W/K	1,300	1,800
	Pressurised solar	Average specifc thermal output		W/K	390.00	840.00
	Auxiliary solar heating	Tube material			-	Stainless steel (DIN 1.4404)
		Face area		m^2	-	1
		Internal coil volume		l	-	4
		Operating pressure		bar	-	3
		Average specifc thermal output		W/K	-	280

Solar collector

Thermal solar collector for hot water production

› Solar collectors can produce up to 70% of the energy needed for hot water production - a major cost saving
› Horizontal and vertical solar collector for domestic hot water production
› High efficiency collectors transfer all the short-wave solar radiation into heat as a result of their highly selective coating
› Easy to install on roof tiles



EKSV21P



EKSH26P



EKSV26P

Accessory		EKSV/EKSH	21P	26P	
Mounting			Vertical		Horizontal
Dimensions	Unit	HeightxWidthxDepth mm	1,006x85x2,000		2,000x85x1,300
Weight	Unit	kg	33	42	
Volume		l	1.3	1.7	2.1
Surface	Outer	m^2	2.01	2.60	
	Aperture	m^2	1.800	2.360	
	Absorber	m^2	1.79	2.35	
Coating			Micro-therm (absorption max. 96%, Emission ca. 5% +/-2%)		
Absorber			Harp-shaped copper pipe register with laser-welded highly selective coated aluminium plate		
Glazing			Single pane safety glass, transmission +/- 92%		
Allowed roof angle	Min.~Max.	°	15~80		
Operating pressure	Max.	bar	6		
Stand still temperature	Max.	°C	192		
Thermal performance	collector efficiency (ηcol)	%	61		
	Zero loss collector efficiency η0	%	0.781	0.784	
	Heat loss coefficient a1	$W/m^2.K$	4.240	4.250	
	Temperature dependence of the heat loss coefficient a2	$W/m^2.K^2$	0.006	0.007	
	Thermal capacity	kJ/K	4.9	6.5	
Auxiliary	Solpump	W	-		
	Solstandby	W	-		
	Annual auxiliary electricity consumption Qaux	kWh	-		

EKSRDS2A/EKSRPS4A

Pump station

› Save energy and reduce CO_2 emissions with a solar system for domestic hot water production
› Pump station connectable to unpressurised solar system
› Pump station and control provide the transfer of solar heat to the domestic hot water tank



EKSRPS4A

Accessory		EKSRPS4A/EKSRDS2A	EKSRPS4A	EKSRDS2A
Mounting			On side of tank	On wall
Dimensions	Unit	HeightxWidthxDepth mm	815x142x230	410x314x154
Weight	Unit	kg	6	
Operation range	Ambient temperature	Min.~Max. °C	5~40	0~40
Operating pressure	Max.	bar	-	6
Stand still temperature	Max.	°C	85	120
Thermal performance	collector efficiency (ηcol)	%	-	
	Zero loss collector efficiency η0	%	-	
Control	Type		Digital temperature difference controller with plain text display	
	Power consumption	W	2	5
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230	/50/230
Sensor	Solar panel temperature sensor		Pt1000	
	Storage tank sensor		PTC	-
	Return flow sensor		PTC	-
	Feed temperature and flow sensor		Voltage signal (3.5V DC)	-
Power supply intake			Indoor unit	
Auxiliary	Solpump	W	30	23
	Solstandby	W	2.00	5.00
	Annual auxiliary electricity consumption Qaux	kWh	78	89

Options & accessories - VRV outdoor

		VRV IV Heat Recovery				
		REYQ 8~12	REYQ 14~20	REMQ5	2-module systems	3-module systems
Kits	**Multi-module connection kit (obligatory)** - Connects multiple modules into a single refrigerant system				BHFQ23P907	BHFQ23P1357
Kits	**Extended level difference kit** - Allows outdoor unit to be more than 50m above indoor units	Special order unit				
Kits	**Central drain pan kit** - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.					
Kits	**Heater tape kit** - Optional electrical heater to guarantee trouble-free operation in extremely cold and humid climates (one per outdoor unit needed)	EKBPH012T	EKBPH020T	EKBPH012T		
Kits	**BHGP26A1** Digital pressure gauge kit – displays current condensing and evaporating pressures in the system as Standard, or expansion valve positions and temperature sensor data in a special service mode. Connect to the outdoor unit PCB, for installation in the outdoor unit.	●	●	●	1 kit per system	1 kit per system
Adapters	**External control adapter for outdoor unit** - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit*, BSVQ box, or VRV-WIII outdoor unit.	DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units				
Adapters	**KRC19-26A** Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.					
Adapters	**EBRP2B** - Cool/heat selector PCB					
Adapters	**BRP2A81** Cool/heat selector PCB (required to connect KRC19-26A to VRV IV outdoor)					
Adapters	**KKSA26A560*** Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)					
Others	**KJB111A** Installation box for remote cool/heat selector KRC19-26A					
Others	**EKCHSC** - Cool/heat selector cable					
Others	**EKPCCAB3** VRV configurator	●	●	●	●	●
Others	**KKSB2B61*** Demand PCB mounting plate. Needed to mount Demand PCB for one or more outdoor units.					
Others	**DTA109A51** DIII-net expander adapter	●	●	●	●	●
Others	**BPMKS967A2/A3** Branch provider (for connection of 2/3 RA indoor units)					
Others	**EKDK04** Drain plug kit					

		VRV IV S-series		
		RXYSCQ-T	RXYSQ4-6T8V	RXYSQ4-6T8Y
Kits	**Multi-module connection kit (obligatory)** - Connects multiple modules into a single refrigerant system			
Kits	**Extended level difference kit** - Allows outdoor unit to be more than 50m above indoor units			
Kits	**Central drain pan kit** - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.			
Kits	**Heater tape kit** - Optional electrical heater to guarantee trouble-free operation in extremely cold and humid climates (one per outdoor unit needed)			
Kits	**BHGP26A1** Digital pressure gauge kit – displays current condensing and evaporating pressures in the system as Standard, or expansion valve positions and temperature sensor data in a special service mode. Connect to the outdoor unit PCB, for installation in the outdoor unit.			
Adapters	**External control adapter for outdoor unit** - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit*, BSVQ box, or VRV-WIII outdoor unit.	DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. See Options & Accessories of indoor units		
Adapters	**KRC19-26A** Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.		●	●
Adapters	**EBRP2B** - Cool/heat selector PCB (Required to connect KRC19-26A)		●	
Adapters	**BRP2A81** Cool/heat selector PCB (required to connect KRC19-26A to VRV IV outdoor)			
Adapters	**KKSA26A560*** Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)			
Others	**KJB111A** Installation box for remote cool/heat selector KRC19-26A		●	●
Others	**EKCHSC** - Cool/heat selector cable (Required to connect KRC19-26A)			●
Others	**EKPCCAB3** VRV configurator	●	●	●
Others	**KKSB2B61*** Demand PCB mounting plate. Needed to mount Demand PCB for one or more outdoor units.			
Others	**DTA109A51** DIII-net expander adapter			
Others	**BPMKS967A2/A3** Branch provider (for connection of 2/3 RA indoor units)	●	●	●
Others	**EKDK04** Drain plug kit		●	●

VRV IV with continuous heating						VRV IV without continuous heating				VRV IV C+series			
RYYQ8-12	RYYQ14-20	RYMQ8-12	RYMQ14-20	2-module systems	3-module systems	RXYQ8-12	RXYQ14-20	2-module systems	3-module systems	RXYLQ	RXMLQ	2-module systems	3-module systems
				BHFQ22P1007	BHFQ22P1517			BHFQ22P1007	BHFQ22P1517			BHFQ22P1007	BHFQ22P1517
EKBPH012T7A	EKBPH020T7A	EKBPH012T7A	EKBPH020T7A			EKBPH012T7A	EKBPH020T7A						
•	•	•	•	1 kit per system	1 kit per system	•	•	1 kit per system	1 kit per system				
DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units													
•	•	•	•	1 kit per system	1 kit per system	•	•	1 kit per system	1 kit per system	•	•	1 kit per system	1 kit per system
•	•	•	•	1 kit per system	1 kit per system	•	•	1 kit per system	1 kit per system	•	•	1 kit per system	1 kit per system
	•		•	1 kit per system	1 kit per system		•	1 kit per system	1 kit per system				
•	•	•	•	1 kit per system	1 kit per system	•	•	1 kit per system	1 kit per system	•	•	1 kit per system	1 kit per system
•	•	•	•	•	•	•	•	•	•	•	•	•	•
	•		•				•						
•	•	•	•	•	•	•	•	•	•				
•	•					•	•			•	•		

	VRV IV i-series SB.RKXYQ			
RXYSQ8-12TY1	RDXYQ5	RDXYQ8	RKXYQ5	RKXYQ8
	EKDPRH1RDX	EKDPRH1RDX		
DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. See Options & Accessories of indoor units				
			•	•
				•
			•	•
•			•	
•			•	•
•				

		VRV IV-Q Heat Pump Replacement VRV				
		RQYQ 140P	RXYQQ8-12	RXYQQ14-20	2-module systems	3-module systems
Kits	**Multi-module connection kit (obligatory)** Connects multiple modules into a single refrigerant system				BHFQ22P1007	BHFQ22P1517
	Central drain pan kit - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.	KWC26B160				
	Heater tape kit - Optional electrical heater to guarantee trouble-free operation in extremely cold and humid climates (one per outdoor unit needed)		EKBPH012T7A	EKBPH020T7A		
	BHGP26A1 Digital pressure gauge kit – displays current condensing and evaporating pressures in the system as Standard, or expansion valve positions and temperature sensor data in a special service mode. Connect to the outdoor unit PCB, for installation in the outdoor unit.	•	•	•	1 kit per system	1 kit per system
Adapters	**External control adapter for outdoor unit** - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit*, BSVQ box, or VRV-WIII outdoor unit.	DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units	DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. For 14-20 HP the demand PCB mouting plate is required. See Options & Accessories of indoor units			
	KRC19-26A Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.	•	•	•	1 kit per system	1 kit per system
	BRP2A81 Cool/heat selector PCB (required to connect KRC19-26A to VRV IV outdoor)		•	•	1 kit per system	1 kit per system
	KKSA26A560* - Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)			•	1 kit per system	1 kit per system
Others	**KJB111A** Installation box for remote cool/heat selector KRC19-26A	•	•	•	1 kit per system	1 kit per system
	EKPCCAB3 VRV configurator		•	•	•	•
	KKSB2B61* Demand PCB mounting plate. Needed to mount Demand PCB for one or more outdoor units.			•		
	DTA109A51 DIII-net expander adapter	•	•	•	•	•

Refnets & branch selector boxes

		Refnet Joints				Refnet Headers	
		Capacity index < 200	Capacity index 200 ≤ x < 290	Capacity index 290 ≤ x < 640	Capacity index > 640	Capacity index < 290	Capacity index 290 ≤ x < 640
Refnets	Metric-size connections for heat pump systems (2-pipe)	KHRQM22M20T	KHRQM22M29T	KHRQM22M64T	KHRQM22M75T	KHRQM22M29H	KHRQM22M64H
	Imperial-size connections for heat recovery pump (2-pipe)	KHRQ22M20T	KHRQ22M29T9	KHRQ22M64T	KHRQ22M75T	KHRQ22M29H	KHRQ22M64H
	Metric-size connections for heat recovery systems (3-pipe)	KHRQM23M20T	KHRQM23M29T	KHRQM23M64T	KHRQM23M75T	KHRQM23M29H	KHRQM23M64H
	Imperial-size connections for heat recovery systems (3-pipe)	KHRQ23M20T	KHRQ23M29T9	KHRQ23M64T	KHRQ23M75T	KHRQ23M29H	KHRQ23M64H
Options for Branch selector boxes (BS box) (only for connection with VRV heat recovery system)	**EKBSVQLNP** Sound reduction kit (sound insulation)						
	KHFP26A100C Closed pipe kit						
	KHRP26A1250C Joint kit						
	Quiet kit						

VRV III-Q Heat Recovery Replacement VRV				VRV-W IV Water-cooled VRV				
					Heat Pump application		Heat Recovery application	
RQEQ 140~212	2-module systems	3-module systems	4-module systems	RWEYQ8-14	2-module systems	3-module systems	2-module systems	3-module systems
	BHFP26P36C	BHFP26P63C	BHFP26P84C		BHFQ22P1007	BHFQ22P1007 / BHFQ22P1517	BHFQ23P907	BHFQ23P907 / BHFQ23P1357
KWC26B160	1 kit per module	1 kit per module	1 kit per module					
•	1 kit per system	1 kit per system	1 kit per system					
DTA104A53/61/62 Installation in the RWEYQ outdoor unit possible. For installation in indoor units, use appropriate type (DTA104A53/61/62) for particular indoor unit. See Options & Accessories of indoor units								
				• (for H/P only)	1 kit per system	1 kit per system		
				• (for H/P only)	1 kit per system	1 kit per system		
				•	1 kit per system	1 kit per system		
				•	•	•	•	•
•	•	•	•	•	•	•	•	•

	Heat Recovery Branch Selector Boxes (BS-Boxes)						
Capacity index	1-port	4-port	6-port	8-port	10-port	12-port	16-port
> 640	BS1Q-A	BS4Q14AV1B	BS6Q14AV1B	BS8Q14AV1B	BS10Q14AV1B	BS12Q14AV1B	BS16Q14AV1B
KHRQM22M75H							
KHRQ22M75H							
KHRQM23M75H							
KHRQ23M75H							
	•						
		•	•	•	•	•	•
		•	•	•	•	•	•
		KDDN26A4	KDDN26A8	KDDN26A8	KDDN26A12	KDDN26A12	KDDN26A16

Options & accessories - VRV indoor

		Ceiling mounted cassette units				
		Round flow (800x800)	4-way (600x600)	2-way blow		
		FXFQ 20~125B	FXZQ 15~50A	FXCQ 20~40A	FXCQ 50~63A	FXCQ 80 ~125A
Panels	Decoration panel (obligatory for cassette units, optional for others, rear panel for FXLQ)	Standard panels: BYCQ140E (white) / BYCQ140EW (full white)(1) / BYCQ140EB (black) Auto cleaning panels(2) (4): BYCQ140EG(F) (white) / BYCQ140EGFB (black) Designer panels: BYCQ140EP (white) / BYCQ140EPB (black)	BYFQ60CW (white panel) BYFQ60CS (grey panel) BYFQ60B3 (Standard panel)	BYBCQ40H	BYBCQ63H	BYBCQ125H
	Panel spacer for reducing required installation height		KDBQ44B60 (Standard panel)			
	Sealing kit for 3- or 2-directional air discharge	KDBHQ56B140 (7)	BDBHQ44C60 (white & grey panel)			
	Sensor kit	BRYQ140B (white) BRYQ140BB (black)	BRYQ60AW (white panel) BRYQ60AS (grey panel)			
Individual control systems	Infrared remote control including receiver	BRC7FA532F	BRC7F530W (9) (10) (white panel) BRC7F530S (9) (10) (grey panel) BRC7EB530 (9) (10) (standard panel)	BRC7C52	BRC7C52	BRC7C52
	Madoka BRC1H519W (White) / BRC1H519S (Silver) / BRC1H519K (Black) User-friendly wired remote controller with premium design	•	•	•	•	•
	BRC1E53A/B/C Wired remote control with full-text interface and back-light	•	•	•	•	•
	BRC1D52 (4) Standard wired remote control with weekly timer	•	•	•	•	•
Centralised control systems	**DCC601A51** Intelligent Tablet Controller	•	•	•	•	•
	DCS601C51 (12) intelligent Touch Controller	•	•	•	•	•
	DCS302C51 (12) Central remote control	•	•	•	•	•
	DCS301B51 (12) (13) Unified ON/OFF control	•	•	•	•	•
	DST301B51 (12) Schedule timer	•	•	•	•	•
Building management system + standard protocol interface	**DCM601A51** Intelligent Touch Manager	•	•	•	•	•
	EKMBDXA DIII-net modbus interface	•	•	•	•	•
	KLIC-DI KNX interface	•	•	•	•	•
	DMS502A51 BACnet interface	•	•	•	•	•
	DMS504B51 LowWorks interface	•	•	•	•	•
Filters	Replacement long life filter, non-woven type	KAFP551K160	KAFQ441BA60	KAFP531B50	KAFP531B80	KAFP531B160
	Auto cleaning filter	see decoration panel				
Adapters	Wiring adapter for external monitoring/control via dry contacts and setpoint control via 0-140Ω	KRP4A53 (2)(7)	KRP4A53 (2)	KRP4A51	KRP4A51	KRP4A51
	Wiring adapter with 2 output signals (Compressor / Error, Fan output)	KRP1BA58 (2)(7)	KRP1B57			
	Wiring adapter with 4 output signals (Compressor / Error, Fan, Aux. heater, Humidifier output)	EKRP1C12 (2)(7)	EKRP1B2	EKRP1B2	EKRP1B2	EKRP1B2
	Adapter for wiring (interlock for fresh air intake fan)					
	Wiring adapter for external central monitoring/control (controls 1 entire system)		KRP2A52	KRP2A51	KRP2A51	KRP2A51
	External control adapter for outdoor unit (installation on indoor unit)			DTA104A61	DTA104A61	DTA104A61
	Adapter for multi-tenant applications (24VAC PCB power supply interface)	DTA114A61	DTA114A61			
	Digital input adapter (2)/11	BRP7A53	BRP7A53	BRP7A51	BRP7A51	BRP7A51
	Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox)	KRP1H98 (7)	KRP1A101	KRP1C96	KRP1C96	KRP1C96
	External wired temperature sensor	KRCS02-1	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-4
	K.RSS External wireless temperature sensor	•	•	•	•	•
	Connector for forced-off contact	Standard	Standard	Standard	Standard	Standard
Others	Multi zoning kit					
	Drain pump kit	Standard	Standard	Standard	Standard	Standard
	Fresh air intake kit	KDDP55C160-1 + KDDQ55B140-2 (7)(8)	KDDQ44XA60			
	Air discharge adapter for round duct					
	Filter chamber for bottom suction			KDDFP53B50	KDDFP53B80	KDDFP53B160

(1) pump station is necessary for this option
(2) Installation box is necessary for these adapters
(3) The BYCQ140EW has white insulation. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140E decoration panel in environments exposed to concentrations of dirt"
(4) Not recommended because of the limitation of the functions
(5) To be able to control the BYCQ140DG(F)(B) the controller BRC1E is needed
(6) The BYCQ140DG(F)(B) is not compatible with Multi and Split Non-Inverter Outdoor units
(7) Option not available in combination with BYCQ140DG(F)(B)
(8) Both parts of the fresh air intake are needed for each unit
(9) Sensing function not available
(10) Independently controllable flaps function not available
(11) Only possible in combination with BRC1H* / BRC1E*
(12) When fixing box is required, use KJB212A, KJB311A or KJB411A depending on the size of the controller
(13) Option KEK26-1A (Noise filter) is required when installing DCS301B51
(14) Wire harnass EKEWTSC is necessary

Concealed ceiling units (duct units)							
Corner (1-way blow)		Slim	Standard				
FXKQ 25~40MA	FXKQ 63MA	FXDQ 15~63A	FXSQ 15~32A	FXSQ 40~50A	FXSQ 63~80A	FXSQ 100~125A	FXSQ 140A
BYK45F	BYK71F						
BRC4C61	BRC4C61	BRC4C65	BRC4C65	BRC4C65	BRC4C65	BRC4C65	BRC4C65
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•
		15-32: BAE20A62 40-50: BAE20A82 63: BAE20A102					
KRP4A51	KRP4A51	KRP4A54	KRP4A52(2)	KRP4A52(2)	KRP4A52(2)	KRP4A52(2)	KRP4A52(2)
KRP1B61	KRP1B61	KRP1B56	EKRP1B2(2)	EKRP1B2(2)	EKRP1B2(2)	EKRP1B2(2)	EKRP1B2(2)
KRP2A51	KRP2A51	KRP2A53	KRP2A51(2)	KRP2A51(2)	KRP2A51(2)	KRP2A51(2)	KRP2A51(2)
DTA104A61	DTA104A61	DTA104A53	DTA104A61	DTA104A61	DTA104A61	DTA104A61	DTA104A61
		DTA114A61	DTA114A61	DTA114A61	DTA114A61	DTA114A61	DTA114A61
BRP7A51	BRP7A51	BRP7A54	BRP7A51	BRP7A51	BRP7A51	BRP7A51	BRP7A51
		KRP1B101	KRP1BA101/ KRP1B100	KRP1BA101/ KRP1B100	KRP1BA101/ KRP1B100	KRP1BA101/ KRP1B100	KRP1BA101/ KRP1B100
KRCS01-1	KRCS01-1	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-4
•	•	•	•	•	•	•	•
Standard	Standard		Standard	Standard	Standard	Standard	Standard
Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
			KDAP25A36A	KDAP25A56A	KDAP25A71A	KDAP25A140A	

		Concealed ceiling units (duct units)			Ceiling suspended units		
		High efficiency		Large	1-way blow		
		FXMQ 50~80	FXMQ 100~125	FXMQ 200~250	FXHQ 32A	FXHQ 63A	FXHQ 71~100A
Panels	Decoration panel (obligatory for cassette units, optional for others, rear panel for FXLQ)						
	Panel spacer for reducing required installation height						
	Sealing kit for 3- or 2-directional air discharge						
	Sensor kit						
Individual control systems	Infrared remote control including receiver	BRC4C65	BRC4C65	BRC4C65	BRC7G53	BRC7G53	BRC7G53
	Madoka BRC1H519W (White) / BRC1H519S (Silver) / BRC1H519K (Black) User-friendly wired remote controller with premium design	•	•	•	•	•	•
	BRC1E53A/B/C Wired remote control with full-text interface and back-light	•	•	•	•	•	•
	BRC1D52 (4) Standard wired remote control with weekly timer	•	•	•	•	•	•
Centralised control systems	**DCC601A51** Intelligent Tablet Controller	•	•	•	•	•	•
	DCS601C51 (12) intelligent Touch Controller	•	•	•	•	•	•
	DCS302C51 (12) Central remote control	•	•	•	•	•	•
	DCS301B51 (12) (13) Unified ON/OFF control	•	•	•	•	•	•
	DST301B51 (12) Schedule timer	•	•	•	•	•	•
Building management system + standard protocol interface	**DCM601A51** Intelligent Touch Manager	•	•	•	•	•	•
	EKMBDXA DIII-net modbus interface	•	•	•	•	•	•
	KLIC-DI KNX interface	•	•	•	•	•	•
	DMS502A51 BACnet interface	•	•	•	•	•	•
	DMS504B51 LowWorks interface	•	•	•	•	•	•
Filters	Replacement long life filter, non-woven type				KAFP501A56	KAFP501A80	KAFP501A160
	Auto cleaning filter						
Adapters	Wiring adapter for external monitoring/control via dry contacts and setpoint control via 0-140Ω	KRP4A51	KRP4A51	KRP4A51	KRP4A52	KRP4A52	KRP4A52
	Wiring adapter with 2 output signals (Compressor / Error, Fan output)				KRP1B54	KRP1B54	KRP1B54
	Wiring adapter with 4 output signals (Compressor / Error, Fan, Aux. heater, Humidifier output)	EKRP1B2	EKRP1B2	KRP1B61			
	Adapter for wiring (interlock for fresh air intake fan)						
	Wiring adapter for external central monitoring/control (controls 1 entire system)	KRP2A51	KRP2A51	KRP2A51	KRP2A62	KRP2A62	KRP2A62
	External control adapter for outdoor unit (installation on indoor unit)	DTA104A61	DTA104A61	DTA104A61	DTA104A62	DTA104A62	DTA104A62
	Adapter for multi-tenant applications (24VAC PCB power supply interface)	DTA114A61	DTA114A61				
	Digital input adapter (2) / (11)	BRP7A51	BRP7A51	BRP7A51	BRP7A52	BRP7A52	BRP7A52
	Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox)	KRP4A96	KRP4A96		KRP1D93A	KRP1D93A	KRP1D93A
	External wired temperature sensor	KRCS01-4	KRCS01-4	KRCS01-1	KRCS01-4	KRCS01-4	KRCS01-4
	K.RSS External wireless temperature sensor	•	•	•	•	•	•
	Connector for forced-off contact	Standard	Standard	Standard	EKRORO4	EKRORO4	EKRORO4
Others	Multi zoning kit						
	Drain pump kit	Standard	Standard		KDU50P60	KDU50P140	KDU50P140
	Fresh air intake kit				KDDQ50A140	KDDQ50A140	KDDQ50A140
	Air discharge adapter for round duct	KDAJ25K71	KDAJ25K140				
	L-type piping kit (for upward direction)				KHFP5M35	KHFP5N63	KHFP5N160

(1) pump station is necessary for this option
(2) Installation box is necessary for these adapters
(3) The BYCQ140EW has white insulation. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140E decoration panel in environments exposed to concentrations of dirt"
(4) Not recommended because of the limitation of the functions
(5) To be able to control the BYCQ140DG(F)(B) the controller BRC1E is needed
(6) The BYCQ140DG(F)(B) is not compatible with Multi and Split Non-Inverter Outdoor units
(7) Option not available in combination with BYCQ140DG(F)(B)
(8) Both parts of the fresh air intake are needed for each unit
(9) Sensing function not available
(10) Independently controllable flaps function not available
(11) Only possible in combination with BRC1H* / BRC1E*
(12) When fixing box is required, use KJB212A, KJB311A or KJB411A depending on the size of the controller
(13) Option KEK26-1A (Noise filter) is required when installing DCS301B51
(14) Wire harnass EKEWTSC is necessary

	Wall mounted units	Floor standing units			
4-way blow		Concealed	Free-standing		
FXUQ 71~100A	FXAQ 15~63	FXNQ 20~63	FXLQ 20~25	FXLQ 32~40	FXLQ 50~63
			EKRDP25A	EKRDP40A	EKRDP63A
KDBHP49B140 + KDBTP49B140					
BRC7C58	BRC7EA628	BRC4C65	BRC4C65	BRC4C65	BRC4C65
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
KAFP551K160					
KRP4A53 *2	KRP4A51(2)	KRP4A54	KRP4A51	KRP4A51	KRP4A51
	KRP1B56	KRP1B56	KRP1B61	KRP1B61	KRP1B61
	KRP2A51(2)	KRP2A53	KRP2A51	KRP2A51	KRP2A51
	DTA104A61				
	DTA114A61	DTA114A61	EKMTAC	EKMTAC	EKMTAC
BRP7A53		BRP7A51	BRP7A51	BRP7A51	BRP7A51
KRP1B97	KRP4A93				
KRCS01-4	KRCS01-1	KRSC01-4	KRCS01-1	KRCS01-1	KRCS01-1
•	• (14)	•	•	•	•
EKRORO5	Standard	Standard	Standard	Standard	Standard
	K-KDU572EVE				

	HXY080-125A8	HXHD125-200A8
Drain pan	EKHBDPCA2	-
Digital I/O PCB	EKRP1HBAA	-
Demand PCB - Required to connect room thermostat	EKRP1AHTA	-
Remote user interface (remocon) - Same controller as supplied with cascade unit can be mounted parallel or on other location. If 2 controllers are installed, the installer needs to select 1 master & 1 slave	EKRUAHTB	-
Back-up heater	EKBUHAA6(W1/V3)	-
Wired room thermostat - Requires demand PCB EKRP1AHTA	EKRTWA	-
Wireless room thermostat - Requires demand PCB EKRP1AHTA	EKRTR1	-
Remote sensor for room thermostat - Requires demand PCB EKRP1AHTA	EKRTETS	-
Domestic hot water tank - standard (stacked on top of hydrobox)	-	EKHTS200AC EKHTS260AC
Domestic hot water tank - with possibility for solar connection	-	EKHWP500B
Solar collector *1	-	EKSV26P (vertical) EKSH26P (horizontal)
Pump station	-	EKSRPS



Daikin offers the widest range in DX ventilation in the market.
With a variety of ventilation solutions from small heat recovery ventilation to large scale air handling units we help provide a fresh, healthy and comfortable environment in offices, hotels, stores and other commercial environments.

Ventilation & Biddle air curtains

Why choose Daikin ventilation 424

	ERV / HRV - Heat reclaim ventilation units	428
NEW	ALB-LBS/RBS - Modular L Smart	428
	ALD electrical heater	429
	VAM-FC / J	430
	VH-B electrical heater	431
	VKM-GB(M)	432
	Daikin air handling units with DX connection	433
	Advantages	433
	Overview of VRV & ERQ DX units	434
	Control possibilities	435
	Integration in third party AHU	438
	Expansion valves & Control boxes	438
	Selection procedure	439

Biddle air curtains 440

Biddle air curtain for ERQ	440
Biddle air curtain for VRV and Conveni-pack	441

Options & accessories 442

For latest data, please consult my.daikin.eu

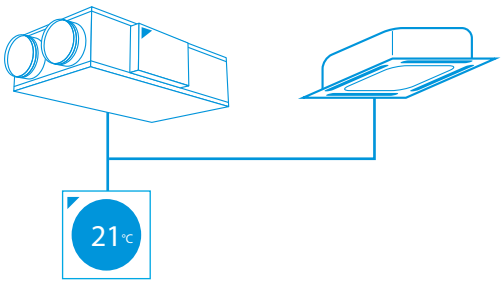


5 reasons why Daikin's ventilation range is unique in the market

1 Market leading controls & connectivity

- Interlock of ventilation and air conditioning system
  - Control ERV/HRV and air conditioning from the same controller
  - Aligns the operation mode between the systems to save energy
- Easy integration in the total solution
  - Online control and monitoring via the Daikin Cloud Service
  - Full portfolio integration in the intelligent Touch Manager, Daikins cost-effective mini BMS
- User-friendly controller with premium design
  - Intuitive touch button control





Madoka



DESIGN AWARD 2018

reddot award 2018
winner

2 Unique installation benefits

- Integrates seamlessly in the Daikin total solution, ensuring a single point of contact
- Total fresh air solution with Daikin supplying both the VAM/Modular L Smart and the electrical heater
- Daikin AHU and condensing unit connect Plug & Play thanks to same pipe diameters, factory mounted controls, expansion valves, etc.





3 High energy efficiency

- Energy recovery of up to 93%, reducing running costs
- Free nighttime cooling using fresh outside air
- Inverter driven centrifugal fans
- ErP compliant

Up to 93% heat recovery

4 Best comfort

- Wide range of units to control fresh air and humidity
- Wide range of optional filters to suit the application available up to ePM_1 80% (F9)
- Special paper heat exchanger recovers heat and moisture from outgoing air to warm up and humidify incoming air to comfortable levels (VAM, VKM)

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

5 Top reliability

- Most extensive testing before new units leave the factory
- Widest support network and after sales service
- All spare parts available in Europe

ErP 2018 COMPLIANT

Did you know?

CO_2 levels and ventilation rates all have significant, independent impacts on cognitive function:

COGNITIVE FUNCTION SCORES …

+ 61% IN GREEN BUILDING CONDITIONS

+ 101% IN ENHANCED GREEN BUILDING CONDITIONS

Widest range of DX integrated ventilation

on the market

Daikin offers a variety of solutions from small heat recovery ventilation to large-scale air handling units for the provision of fresh air ventilation to homes, or commercial premises such as offices, hotels, stores and others.

Ventilation solutions

Daikin offers state-of-the-art ventilation solutions that can easily be integrated into any project:

- **Unique portfolio** within DX manufacturers
- High-quality solutions complying with the **highest Daikin quality standards**
- **Seamless integration** of all products to provide the best indoor climate
- All Daikin products connected to a single controller for **complete control** of the HVAC system.

Heat Reclaim Ventilation - Ventilation with heat recovery as standard

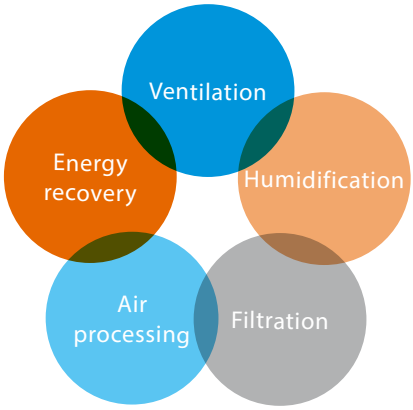
Our heat recovery units **recover sensible heat** (Modular L / Modular L Smart) and **latent heat** (VAM/VKM), substantially reducing the load on the air conditioning system up to 40%.

Ventilation with DX connection - Control over fresh air temperature

Daikin offers a range of inverter condensing units to be used in combination with Daikin AHUs for ultimate control over the fresh air. There are 4 control possibilities when **combining AHU and Daikin outdoor units** hence offering all the required flexibility for any installation. Indoor units can be combined to the same outdoor unit to reduce the installation costs. For **false-ceiling installations** where space is a constraint, the VKM can fit perfectly to deliver fresh air at a comfortable temperature and it has an optional humidification element.

Five components of indoor air quality

- **Ventilation:** Ensures the provision of fresh air
- **Energy recovery:** Delivers energy savings by transferring heat and moisture between airflows
- **Air processing:** Delivers the right supply temperature to decrease the indoor unit load
- **Humidification:** Ensures relative indoor humidity levels are respected
- **Filtration:** Separates pollen, dust and pollution odours that are harmful to individuals' health



Fresh air portfolio

150 | 500 | 1,000 | 2,000 | 2,500 | 3,000 | 3,500 | 15,000 | 25,000 | 140,000 [m³/h]

Decentralised systems



NEW

D-AHU MODULAR L (SMART)

- High efficiency counterflow heat exchanger
- Free-cooling operation
- EC centrifugal fan
- Wide range of options
- Smart version connects Plug & Play to Sky Air / VRV systems



NEW

VAM-FC / VAM-J

- Compact size
- High energy efficient paper recovering sensible and latent heat
- EC fan motors
- Filter clogging alarm based on pressure



VKM-GB(M)

- With DX coil for temperature control
- Increased comfort
- Humidifier option

Centralised systems



D-AHU MODULAR P

- High efficiency aluminium plate heat exchanger
- Pre-configured sizes
- Plug & Play pre-configured controls
- With DX or water coil option



D-AHU MODULAR R

- Rotary heat exchanger (sorption and sensible technology)
- Pre-configured sizes
- Plug & Play pre-configured controls
- With DX or water coil option

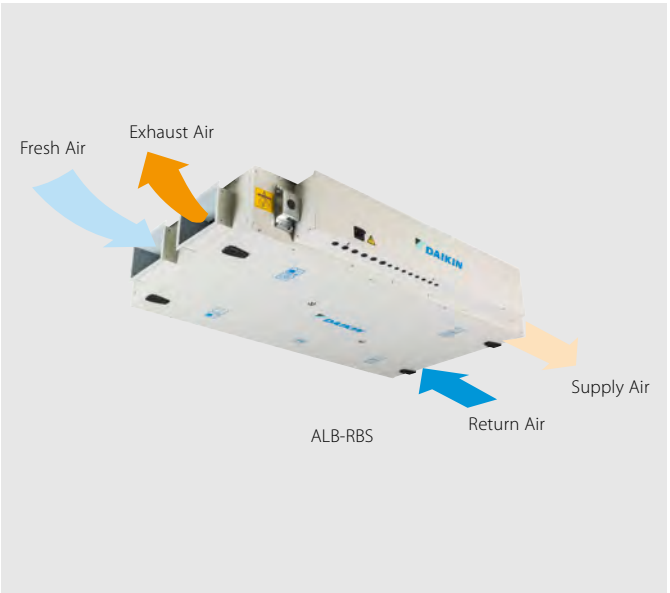


D-AHU Professional

- Fully customizable
- Plug & play
- 4 types of control
- With DX or water coil option

Modular L Smart

Premium efficiency heat recovery unit



Highlights

- Connects Plug&Play into the Sky Air and VRV control network
- Easy installation and commissioning
- Internal pre-filter stage (up to ePM_1 50% (F7) + ePM_1 80% (F9)) making the unit reach highest indoor air quality requirements.
- Wide air flow coverage from 150m³/h to 3,450m³/h
- Exceeding ERP 2018 requirements
- Best choice when compactness is needed (only 280 mm height up to 550 m³/h)
- 50 mm double skin panel (120 kg/m³) for a maximum sound and thermal insulation

EC centrifugal fan

- Maximum ESP available 600 Pa (depending on model sizes and airflow)
- Inverter driven with IE4 premium efficiency motor
- High-efficient blade profiling
- Reduced energy consumption
- Optimized SFP (Specific Fan Power) for an efficient unit operation

Heat exchanger

- Premium quality counter flow plate heat exchanger
- Up to 93% of the thermal energy recovered
- High grade aluminum allowing optimum corrosion protection

For integration with Applied systems,

please refer to the Modular L, in the AHU chapter

Technical details

D-AHU Modular L Smart		ALB-RBS/LBS	02	03	04	05	06	07
Airflow		m³/h	300	600	1200	1500	2500	3000
Heat exchanger thermal efficiency[1]		%	93	93	93	92	94	93
External static pressure	Nom.	Pa	100	100	100	100	100	100
Current	Nom.	A	0,52	1,17	1,91	2,48	4,39	5,39
Power input	Nom.	kW	0,12	0,27	0,44	0,57	1,01	1,24
SFPv[2]		kW/m³/s	1,24	1,49	1,25	1,31	1,42	1,46
ERP compliant			ErP 2018 Compliant					
Electrical supply	Phase	ph	1	1	1	1	1	1
	Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60
	Voltage	V	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac
Main unit dimensions	Width	mm	920	1100	1600	1600	2000	2000
	Height	mm	280	350	415	415	500	500
	Length	mm	1660	1800	2000	2000	2000	2000
Rectangular duct flange	Width	mm	250	400	500	500	700	700
	Height	mm	150	200	300	300	400	400
Unit Sound Power Level (Lwa)		dB	48	54	57	53	62	57
Unit Sound Pressure Level[3]		dBA	33	39	39	35	43	40
Weight unit		kg	125	180	270	280	355	360

1. Winter design condition: Outdoor: -10°C,90% Indoor: 22°C,50%

2. SFPv is a parameter that quantifies the fan efficiency (the lower it is the better). This reduces if airflow decreases.

3. EN 3744. Surrounding, Directivity (Q) = 2, @1,5m distance

Electrical heater for Modular L smart



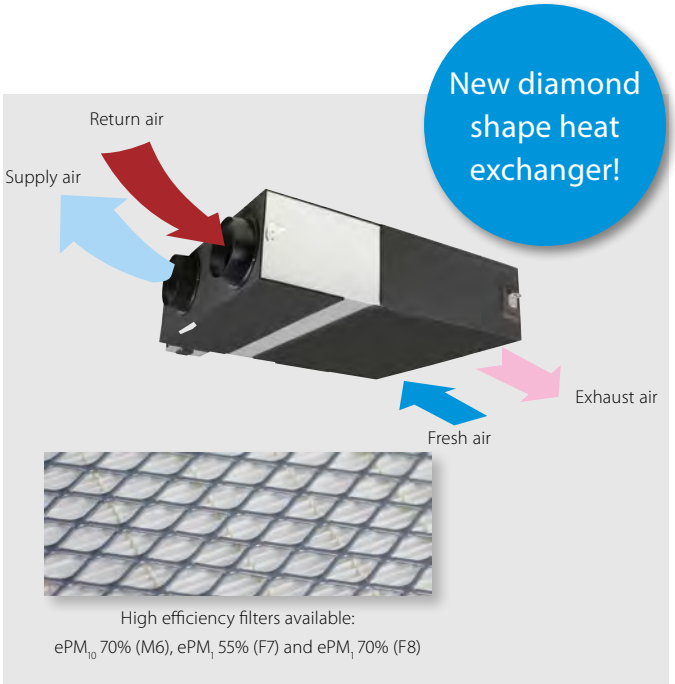
› Total solution for fresh air with Daikin supply of both Modular L Smart and electrical heaters
› Increase comfort in low outdoor temperature thanks to the heated outdoor air
› Integrated electrical heater concept (no additional accessories required)
› Standard dual flow and temperature sensor
› Heater only consumes what is required to pre-heat to the desired minimum fresh air temperature; thus saving energy

Electrical heater for Modular L Smart (ALD)		02HEFB	03HEFB	05HEFB	07HEFB
Capacity	kW	1,5	3	7,5	15
Connectable Modular L Smart size		02	03	04, 05	06, 07
Supply voltage		230V,1ph		400V,3ph	
Output current (maximum)	(A)	6,6	13,1	10,9	21,7
Temperature sensor		15k ohms at -20 °C 10k ohms at +10 °C	16k ohms at -20 °C 10k ohms at +10 °C	17k ohms at -20 °C 10k ohms at +10 °C	18k ohms at -20 °C 10k ohms at +10 °C
Temperature control range		- 20 °C to 10 °C			
Control fuse		Mini Circuit Breaker 6 A			
LED indicators		"Yellow = Airflow fault Red = Heat ON"			
Mounting holes		Depends on duct size			
Maximum ambient adjacent to terminal box		30°C (during operation)			
Auto high temp. cutout		75°C Pre-set			
Man. reset high temp.cutout		120°C Pre-set			
Width	(mm)	470	620	720	920
Depth	(mm)	370	370	370	370
Height	(mm)	193	243	343	443

Energy reclaim ventilation

Ventilation with heat recovery as standard

- NEW Thinnest High Efficiency Enthalpy Heat Exchanger in the market (J-series)
- Energy saving ventilation using indoor heating, cooling and moisture recovery
- Free cooling possible when outdoor temperature is below indoor temperature (eg. during nighttime)
- Prevent energy losses from over-ventilation while improving indoor air quality with optional CO_2 sensor
- NEW Possibility to change ESP via wired remote control allows optimisation of the supply air volume (J - series)
- Can be used as stand alone or integrated in the Sky Air or VRV system
- Wide range of units: air flow rate from 150 up to 2,000 m^3/h
- Shorter installation time thanks to easy adjustment of nominal air flow rate, so less need for dampers compared with traditional installation.
- No drain piping needed
- Can operate in over- and under pressure
- Total solution for fresh air with Daikin supply of both VAM / VKM and electrical heaters



ErP COMPLIANT

Ventilation				VAM/VAM	150FC	250FC	350J	500J	650J	800J	1000J	1500J	2000J
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high/High/Low	kW	0.132/0.111/0.058	0.161/0.079/0.064	0.097 /0.070 /0.039	0.164 /0.113 /0.054	0.247 /0.173 /0.081	0.303 /0.212 /0.103	0.416 /0.307 /0.137	0.548 /0.384 /0.191	0.833 /0.614 /0.273
	Bypass mode	Nom.	Ultra high/High/Low	kW	0.132/0.111/0.058	0.161/0.079/0.064	0.085 /0.061 /0.031	0.148 /0.100 /0.045	0.195 /0.131 /0.059	0.289 /0.194 /0.086	0.417 /0.300 /0.119	0.525 /0.350 /0.156	0.835 /0.600 /0.239
Temperature exchange efficiency - 50Hz	Ultra high/High/Low			%	77.0 (1) / 72.0 (2)/ 78.3 (1) / 72.3 (2)/ 82.8 (1) / 73.2 (2)	74.9 (1) / 69.5 (2)/ 76.0 (1) / 70.0 (2)/ 80.1 (1) / 72.0 (2)	85.1 /86.7 / 90.1	80.0 /82.5 / 87.6	84.3 /86.4 / 90.5	82.5 /84.2 / 87.7	79.6 /81.8 / 86.1	83.2 /84.8 / 88.1	79.6 /81.8 / 86.1
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high/High/Low		%	60.3 (1)/61.9 (1)/ 67.3 (1)	60.3 (1)/61.2 (1)/ 64.5 (1)	65.2 /67.9/ 74.6	59.2 /61.8 / 69.5	59.2 /63.8 / 73.1	67.7 /70.7 / 76.8	62.6 /66.4 / 74.0	68.9 /71.8 / 77.5	62.6 /66.4 / 74.0
	Heating	Ultra high/High/Low		%	66.6 (1)/67.9 (1)/ 72.4 (1)	66.6 (1)/67.4 (1)/ 70.7 (1)	75.5 /77.6 / 82.0	69.0 /72.2 / 78.7	73.1 /76.3 / 82.7	72.8 /75.3 / 80.2	68.6 /71.7 / 77.9	73.8 /76.1 / 80.8	68.6 /71.7 / 77.9
Operation mode					Heat exchange mode, bypass mode, fresh-up mode								
Heat exchange system					Air to air cross flow total heat (sensible + latent heat) exchange								
Heat exchange element					Specially processed non-flammable paper								
Dimensions	Unit	HeightxWidthxDepth		mm	285x776x525		305x1,113x886		368x1,354x920	368x1,354x1,172		731x1,354x1,172	
Weight	Unit			kg	24.0		46.5		61.5	79.0		157	
Casing	Material				Galvanised steel plate								
Fan	Air flow rate - 50Hz	Heat exchange mode	Ultra high/High/Low	m^3/h	150 /140 /105	250 /230 /155	350 (1)/ 300 (1)/ 200 (1)	500 (1)/ 425 (1)/ 275 (1)	650 (1)/ 550 (1)/ 350 (1)	800 (1)/ 680 (1)/ 440 (1)	1,000 (1)/ 850 (1)/ 550 (1)	1,500 (1)/ 1,275 (1)/ 825 (1)	2,000 (1)/ 1,700 (1)/ 1,100 (1)
		Bypass mode	Ultra high/High/Low	m^3/h	150 /140 /105	250 /230 /155	350 (1)/ 300 (1)/ 200 (1)	500 (1)/ 425 (1)/ 275 (1)	650 (1)/ 550 (1)/ 350 (1)	800 (1)/ 680 (1)/ 440 (1)	1,000 (1)/ 850 (1)/ 550 (1)	1,500 (1)/ 1,275 (1)/ 825 (1)	2,000 (1)/ 1,700 (1)/ 1,100 (1)
	External static pressure - 50Hz	Ultra high/High/Low		Pa	90 /87/40	70 /63/25	90 (1)/70.0 /50.0 (1)						
Air filter	Type				Multidirectional fibrous fleeces		Multidirectional fibrous fleeces (G3)						
Sound pressure level - 50Hz	Heat exchange mode	Ultra high/High/Low		dBA	27.0 /26.0 /20.5	28.0 /26.0 /21.0	34.5 (1)/ 32.0 (1)/ 29.0 (1)	37.5 (1)/ 35.0 (1)/ 30.5 (1)	39.0 (1)/ 36.0 (1)/ 31.0 (1)	39.0 (1)/ 36.0 (1)/ 30.5 (1)	42.0 (1)/ 38.5 (1)/ 32.5 (1)	42.0 (1)/ 39.0 (1)/ 33.5 (1)	45.0 (1)/ 41.5 (1)/ 36.0 (1)
	Bypass mode	Ultra high/High/Low		dBA	27.0 /26.5 /20.5	28.0 /27.0 /21.0	34.5 (1)/ 32.0 (1)/ 28.0 (1)	38.0 (1)/ 35.0 (1)/ 29.5 (1)	38.0 (1)/ 34.5 (1)/ 30.5 (1)	40.0 (1)/ 36.5 (1)/ 30.5 (1)	42.5 (1)/ 40.0 (1)/ 32.5 (1)	42.0 (1)/ 39.0 (1)/ 32.5 (1)	45.0 (1)/ 41.0 (1)/ 35.0 (1)
Operation range	Around unit			°CDB	-		0°C~40°CDB, 80% RH or less						
Connection duct diameter				mm	100	150	200		250			2x250	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220								
Current	Maximum fuse amps (MFA)			A	15.0		16.0						
Specific energy consumption (SEC)	Cold climate			kWh/(m^2.a)	-56.0 (5)	-60.5 (5)	-						
	Average climate			kWh/(m^2.a)	-22.1 (5)	-27.0 (5)	-						
	Warm climate			kWh/(m^2.a)	-0.100 (5)	-5.30 (5)	-						
SEC class					D / See note 5	B / See note 5	-						
Maximum flow rate at 100 Pa ESP	Flow rate			m^3/h	130	207	-						
	Electric power input			W	129	160	-						
Sound power level (Lwa)				dB	40	43	51	54	58		61	62	65
Annual electricity consumption				kWh/a	18.9 (5)	13.6 (5)	-						
Annual heating saved	Cold climate			kWh/a	41.0 (5)	40.6 (5)	-						
	Average climate			kWh/a	80.2 (5)	79.4 (5)	-						
	Warm climate			kWh/a	18.5 (5)	18.4 (5)	-						

(1)Measured according to JIS B 8628 | (2)Measured at reference flow rate according to EN13141-7 | Measured according to EN308 : 1997 | In accordance with commission regulation (EU) No 1254/2014 | In accordance with commission regulation (EU) No 1253/2014 | At reference flow rate in accordance with commission regulation (EU) No 1254/2014 | Clean the filter when the filter icon appears on the controller screen. Regular filter cleaning is important for delivered air quality and for the unit's energy efficiency.

Electrical heater for VAM

- Total solution for fresh air with Daikin supply of both VAM and electrical heaters
- Increased comfort in low outdoor temperature thanks to the heated outdoor air
- Integrated electrical heater concept (no additional accessories required)
- Standard dual flow and temperature sensor
- Flexible setting with adjustable setpoint
- Increased safety with 2 cut-outs: manual & automatic
- BMS integration thanks to:
  - Volt free relay for error indication
  - 0-10VDC input for setpoint control
- Heater only consumes what is required to pre-heat to the desired minimum fresh air temperature; thus saving energy



		VH	1B	2B	3B	4B	4/AB	5B(1)
Capacity	kW		1			1.5	2.5	2.5
Duct diameter	mm		100	150	200	250		300
Connectable VAM			VAM150FC	VAM250FC	VAM350,500J	VAM650J, VAM800J, VAM1000J		VAM1500J, VAM2000J
ELECTRICAL HEATER FOR VAM		**VH**	**(VH)**					
Supply voltage			220/250V ac 50/60 Hz. +/-10%					
Output current (maximum)			19A at 40°C (ambient)					
Temperature sensor			5k ohms at 25°C (table 502 1T)					
Temperature control range			0 to 40°C / (0-10V 0-100%)					
Control fuse			20 x 5mm 250mA					
LED indicators			Power ON - Yellow Heater ON - Red (solid or flashing, indicating pulsed control) Airflow fault - Red					
Mounting holes			98mm x 181mm centres 5 mm ø holes					
Maximum ambient adjacent to terminal box			35°C (during operation)					
Auto high temp. cutout			100°C Pre-set					
Man. reset high temp. cutout			125°C Pre-set					
Run relay			1A 120V AC or 1A 24V DC					
BMS setpoint input			0-10VDC					

(1) Available only with the optional plenum

Energy reclaim ventilation, humidification and air processing

Pre heating or cooling of fresh air for lower load on the air conditioning system

- Energy saving ventilation using indoor heating, cooling and moisture recovery
- Creates a high quality indoor environment by pre conditioning incoming fresh air
- Humidification of the incoming air results in comfortable indoor humidity level, even during heating
- Free cooling possible when outdoor temperature is below indoor temperature (eg. during nighttime)
- Low energy consumption thanks to DC fan motor
- Prevent energy losses from over-ventilation while improving indoor air quality with optional CO_2 sensor
- Shorter installation time thanks to easy adjustment of nominal air flow rate, so less need for dampers compared with traditional installation.
- Specially developed heat exchange element with High Efficiency Paper (HEP)
- Can operate in over- and under pressure



VKM80-100GB(M)

Ventilation			VKM-GB/VKM-GBM		50GB	80GB	100GB	50GBM	80GBM	100GBM
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high/ High/Low	kW	0.270/0.230/ 0.170	0.330/0.280/ 0.192	0.410/0.365/ 0.230	0.270/0.230/ 0.170	0.330/0.280/ 0.192	0.410/0.365/ 0.230
	Bypass mode	Nom.	Ultra high/ High/Low	kW	0.270/0.230/ 0.140	0.330/0.280/ 0.192	0.410/0.365/ 0.230	0.270/0.230/ 0.170	0.330/0.280/ 0.192	0.410/0.365/ 0.230
Fresh air conditioning load	Cooling			kW	4.71 / 1.91 / 3.5	7.46 / 2.96 / 5.6	9.12 / 3.52 / 7.0	4.71 / 1.91 / 3.5	7.46 / 2.96 / 5.6	9.12 / 3.52 / 7.0
	Heating			kW	5.58 / 2.38 / 3.5	8.79 / 3.79 / 5.6	10.69 / 4.39 / 7.0	5.58 / 2.38 / 3.5	8.79 / 3.79 / 5.6	10.69 / 4.39 / 7.0
Temperature exchange efficiency - 50Hz	Ultra high/High/Low			%	76/76/77.5	78/78/79	74/74/76.5	76/76/77.5	78/78/79	74/74/76.5
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high/High/Low		%	64/64/67	66/66/68	62/62/66	64/64/67	66/66/68	62/62/66
	Heating	Ultra high/High/Low		%	67/67/69	71/71/73	65/65/69	67/67/69	71/71/73	65/65/69
Operation mode					Heat exchange mode / Bypass mode / Fresh-up mode					
Heat exchange system					Air to air cross flow total heat (sensible + latent heat) exchange					
Heat exchange element					Specially processed non-flammable paper					
Humidifier	System				-			Natural evaporating type		
Dimensions	Unit	HeightxWidthxDepth		mm	387x1,764x832	387x1,764x1,214		387x1,764x832	387x1,764x1,214	
Weight	Unit			kg	94	110	112	100	119	123
Casing	Material				Galvanised steel plate					
Fan-Air flow rate - 50Hz	Heat exchange mode	Ultra high/High/Low		m^3/h	500/500/440	750/750/640	950/950/820	500/500/440	750/750/640	950/950/820
	Bypass mode	Ultra high/High/Low		m^3/h	500/500/440	750/750/640	950/950/820	500/500/440	750/750/640	950/950/820
Fan-External static pressure - 50Hz	Ultra high/High/Low			Pa	210/170/140	210/160/110	150/100/70	200/150/120	205/155/105	110/70/60
Air filter	Type				Multidirectional fibrous fleeces					
Sound pressure level - 50Hz	Heat exchange mode	Ultra high/High/Low		dBA	39/37/35	41.5/39/37	41/39/36.5	38/36/34	40/37.5/35.5	40/38/35.5
	Bypass mode	Ultra high/High/Low		dBA	40/38/35.5	41.5/39/37	41/39/36.5	39/36/34.5	41/38/36	41/39/35.5
Operation range	Around unit			°CDB	0°C~40°CDB, 80% RH or less					
	Supply air			°CDB	-15°C~40°CDB, 80% RH or less					
	Return air			°CDB	0°C~40°CDB, 80% RH or less					
	On coil temperature	Cooling/Max./Heating/Min.		°CDB	-15/43			-15/43		
Refrigerant	Control				Electronic expansion valve					
	Type				R-410A					
	GWP				2,087.5					
Connection duct diameter				mm	200	250		200	250	
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	12.7					
	Water supply			mm	-			6.4		
	Drain				PT3/4 external thread					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240					
Current	Maximum fuse amps (MFA)			A	15					

Daikin air handling units solutions

You will find your match

Why choose Daikin air handling units with a DX connection?



Simplifying business

The unique total solution approach by Daikin helps businesses to propose better cross-pillar solutions, to increase their success ratio by providing unmatchable product combinations to the end-user and to simplify the life of installers by supplying high-quality products coming from the same manufacturer. Contrary to other manufacturers, Daikin does not use OEM products in its AHU with DX offer. Many competitors are either offering OEM DX outdoor units or OEM AHU which create additional problems when warranties or faults arise. **Having a single interface for your business makes Daikin the right choice.**

One stop shop

Daikin is the only global manufacturer in the market **capable of offering a true Plug & Play solution** where Daikin AHUs manufactured by Daikin Applied Europe and certified by Eurovent, offer off-the-shelf compatibility with Daikin's unique VRV outdoor unit range for the best performance in the market.
This unique integration of cross-pillar products under the same umbrella, gives the costumer both peace-of-mind and added value when promoting a total solution approach.

Complete range of possibilities

Thanks to the **most complete offer in the market**, Daikin has the solution for all types of commercial applications requiring fresh air. Daikin provides ventilation solutions based on AHU from 2,500 m^3/h up to 140,000 m^3/h either with natural heat recovery or more advanced ventilation solutions where a VRV outdoor unit can be connected to the Daikin AHU for ultimate climate control. The harmonized control between the VRV outdoor unit and the AHU offer outstanding 24h/7 control of the system when connected to an iTM.

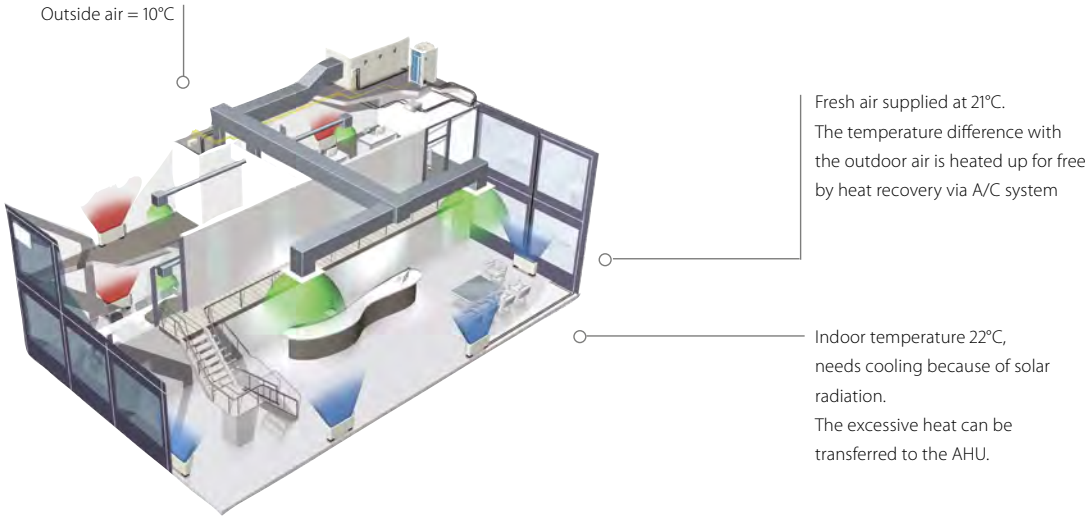
Advantages

- Unique manufacturer offering a complete range
- Plug & Play solution
- Direct iTM compatibility

Why use VRV and ERQ condensing units for connection to air handling units?

High Efficiency

Daikin heat pumps are renowned for their high energy efficiency. Integrating the AHU with a heat recovery system is even more effective since an office system can frequently be in cooling mode while the outdoor air is too cold to be brought inside in an unconditioned state. In this case heat from the offices is merely transferred to heat up the cold incoming fresh air.



Fast response to changing loads resulting in high comfort levels

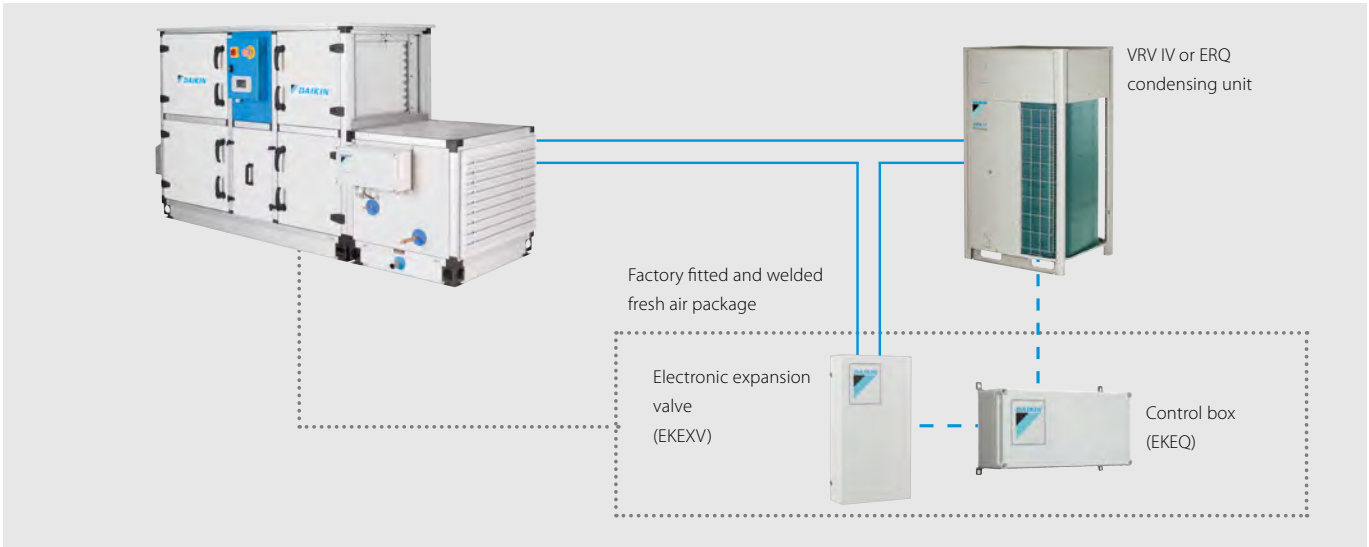
Daikin ERQ and VRV units respond rapidly to fluctuations in supply air temperature, resulting in a steady indoor temperature and resultant high comfort levels for the end user. The ultimate is the VRV range which improves comfort even more by offering continuous heating, also during defrost.

Easy Design and Installation

The system is easy to design and install since no additional water systems such as boilers, tanks and gas connections etc. are required. This also reduces both the total system investment and running cost.

Daikin Fresh air package

› Plug & Play connection between VRV/ERQ and the entire D-AHU modular range.
› Factory fitted and welded control and expansion valve kits.



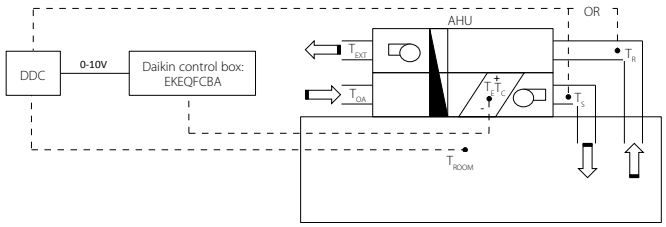
In order to maximise installation flexibility, 4 types of control systems are offered

W control: Off the shelf control of air temperature (discharge temperature, suction temperature, room temperature) via any DDC controller, easy to setup
X control: Precise control of air temperature (discharge temperature, suction temperature, room temperature) requiring a preprogrammed DDC controller (for special applications)
Z control: Control of air temperature (suction temperature, room temperature) via Daikin control (no DDC controller needed)
Y control: Control of refrigerant (Te/Tc) temperature via Daikin control (no DDC controller needed)

1. W control (T_S/T_R/T_{ROOM} control):

Air temperature control via DDC controller

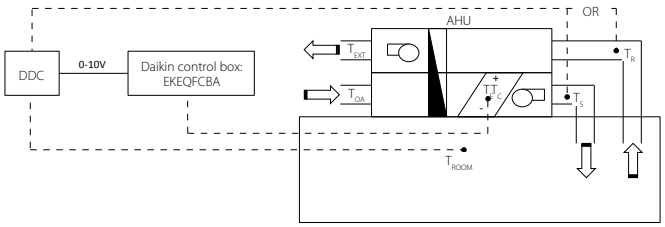
Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a proportional 0-10V signal which is transferred to the Daikin control box (EKEQFCBA). This voltage modulates the capacity requirements of the outdoor unit.



2. X control (T_S/T_R/T_{ROOM} control):

Precise air temperature control via DDC controller

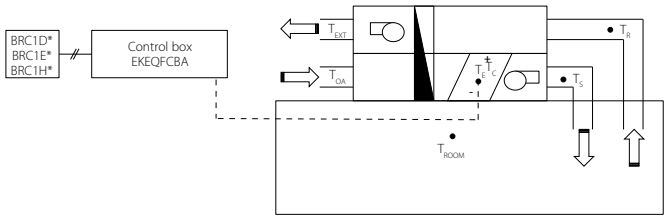
Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a reference voltage (0-10V) which is transferred to the Daikin control box (EKEQFCBA). This reference voltage will be used as the main input value for the compressor frequency control.



3. Y control (T_E/T_C control):

By fixed evaporating /condensing temperature

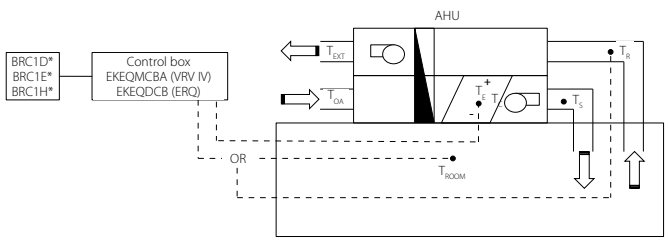
A fixed target evaporating or condensing temperature can be set by the customer. In this case, room temperature is only indirectly controlled. A Daikin wired remote control (BRC1* - optional) have to be connected for initial set-up but not required for operation.



4. Z control (T_S/T_{ROOM} control):

Control your AHU just like a VRV indoor unit with 100% fresh air

Allows the possibility to control the AHU just like a VRV indoor unit. Meaning temperature control will be focused on return air temperature from the room into the AHU. Requires BRC1* for operation. The only control that allows the combination of other indoor units to the AHU at the same time.



T_S = Supply air temperature
T_{EXT} = Extraction air temperature
T_R = Return air temperature
T_E = Evaporating temperature
T_{OA} = Outdoor air temperature
T_C = Condensing temperature
T_{ROOM} = Room air temperature

	Option kit	Features
Possibility W	EKEQFCBA	Off-the-shelf DDC controller that requires no pre-configuration
Possibility X		Pre-configured DDC controller required
Possibility Y		Using fixed evaporating temperature, no set point can be set using remote control
Possibility Z	EKEQDCB EKFQMCBA*	Using Daikin infrared remote control BRC1* Temperature control using air suction temperature or room temperature (via remote sensor)

* EKEQMCB (for 'multi' application)

VRV - for larger capacities (from 8 to 54HP)

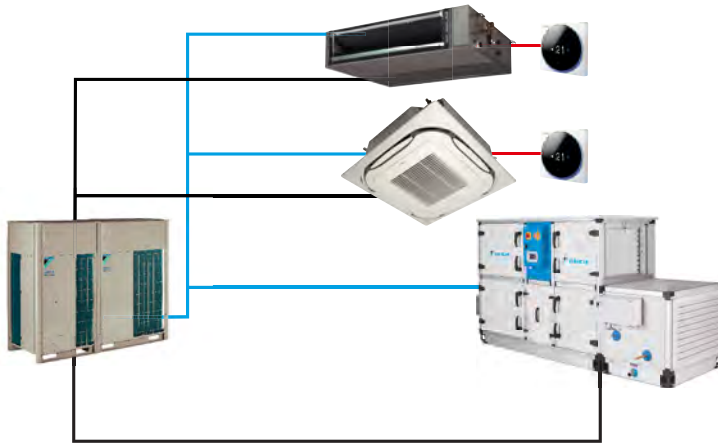
An advanced solution for both pair and multi application

› Inverter controlled units
› Heat recovery, heat pump
› R-410A
› Control of room temperature via Daikin control
› Large range of expansion valve kits available
› BRC1H519W/S/K is used to set the set point temperature (connected to the EKEQMCBA).
› Connectable to all VRV heat recovery and heat pump systems

W, X, Y control for VRV IV heat pump



Z control for all VRV outdoor units



Refrigerant piping
F1-F2
P1-P2



ERQ - for smaller capacities (from 100 to 250 class)



ERQ-AW1

A basic fresh air solution for pair application

› Inverter controlled units
› Heat pump
› R-410A
› Wide range of expansion valve kits available
› Perfect for the Daikin Modular air handling unit

The "Daikin Fresh Air Package" provides a complete Plug & Play Solution including AHU, ERQ or VRV Condensing Unit and all unit control (EKEQ, EKEX, DDC controller) factory mounted and configured. The easiest solution with only one point of contact.

Ventilation				**ERQ**	**100AV1**	**125AV1**	**140AV1**
Capacity range				HP	4	5	6
Cooling capacity	Nom.			kW	11.2	14.0	15.5
Heating capacity	Nom.			kW	12.5	16.0	18.0
Power input	Cooling	Nom.		kW	2.81	3.51	4.53
	Heating	Nom.		kW	2.74	3.86	4.57
EER					3.99		3.42
COP					4.56	4.15	3.94
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320		
Weight	Unit			kg	120		
Casing	Material				Painted galvanized steel plate		
Fan-Air flow rate	Cooling	Nom.		m^3/min	106		
	Heating	Nom.		m^3/min	102	105	
Sound power level	Cooling	Nom.		dBA	66	67	69
Sound pressure	Cooling	Nom.		dBA	50	51	53
level	Heating	Nom.		dBA	52	53	55
Operation range	Cooling	Min./Max.		°CDB	-5/46		
	Heating	Min./Max.		°CWB	-20/15.5		
	On coil temperature	Heating/Min./Cooling/Max.		°CDB	10/35		
Refrigerant	Type				R-410A		
	Charge			kg	4.0		
				TCO_2eq	8.4		
	GWP				2,087.5		
	Control				Expansion valve (electronic type)		
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	15.9		19.1
	Drain	OD		mm	26x3		
Power supply	Phase/Frequency/Voltage			Hz/V	1N~/50/220-240		
Current	Maximum fuse amps (MFA)			A	32.0		

Ventilation				**ERQ**	**125AW1**	**200AW1**	**250AW1**
Capacity range				HP	5	8	10
Cooling capacity	Nom.			kW	14.0	22.4	28.0
Heating capacity	Nom.			kW	16.0	25.0	31.5
Power input	Cooling	Nom.		kW	3.52	5.22	7.42
	Heating	Nom.		kW	4.00	5.56	7.70
EER					3.98	4.29	3.77
COP					4.00	4.50	4.09
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x635x765	1,680x930x765	
Weight	Unit			kg	159	187	240
Casing	Material				Painted galvanized steel plate		
Fan-Air flow rate	Cooling	Nom.		m^3/min	95	171	185
	Heating	Nom.		m^3/min	95	171	185
Sound power level	Nom.			dBA	72	78	
Sound pressure level	Nom.			dBA	54	57	58
Operation range	Cooling	Min./Max.		°CDB	-5/43		
	Heating	Min./Max.		°CWB	-20/15		
	On coil temperature	Heating/Min./Cooling/Max.		°CDB	10/35		
Refrigerant	Type				R-410A		
	Charge			kg	6.2	7.7	8.4
				TCO_2eq	12.9	16.1	17.5
	GWP				2,087.5		
	Control				Electronic expansion valve		
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	15.9	19.1	22.2
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/400		
Current	Maximum fuse amps (MFA)			A	16	25	

Integration of ERQ and VRV in third party air handling units

a wide range of expansion valve kits and control boxes

Combination table

		Control box			Expansion valve kit										Mixed connection with VRV indoor units
		EKEQDCB	EKEQFCBA	EKEQMCBA	EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250	EKEXV400	EKEXV500	
		Z control	W,X,Y control	Z control	-	-	-	-	-	-	-	-	-	-	
1-phase	ERQ100	P	P	-	-	P	P	P	P	-	-	-	-	-	Not possible
1-phase	ERQ125	P	P	-	-	P	P	P	P	P	-	-	-	-	
1-phase	ERQ140	P	P	-	-	-	P	P	P	P	-	-	-	-	
3-phase	ERQ125	P	P	-	-	P	P	P	P	P	-	-	-	-	
3-phase	ERQ200	P	P	-	-	-	-	P	P	P	P	P	-	-	
3-phase	ERQ250	P	P	-	-	-	-	-	P	P	P	P	-	-	
VRV III		-	-	n1	n1	n1	n1	n1	n1	n1	n1	n1	n1	n1	Mandatory
VRV IV H/P / VRV IV W-series VRV IV S-series		-	P (1 -> 3)	n2	n2	n2	n2	n2	n2	n2	n2	n2	n2	n2	Possible (not mandatory)
VRV IV H/R VRV IV i-series		-	n1	-	n1	n1	n1	n1	n1	n1	n1	n1	n1	n1	Mandatory

- P (pair application): combination depends on the capacity of the air handling unit
- n1 (multi application) - Combination of AHUs and VRV DX indoors (mandatory). To determine the exact quantity please refer to the engineering data book.
- n2 (multi application) - Combination of AHUs and VRV DX indoors (not mandatory). To determine the exact quantity please refer to the engineering data book.
- Control box EKEQFA can be connected to some types of VRV IV outdoor units (with a maximum of 3 boxes per unit). Do not combine EKEQFA control boxes with VRV DX indoor units, RA indoor units or hydroboxes

Capacity table

Cooling

EKEXV Class	Allowed heat exchanger capacity (kW)			Allowed heat exchanger volume (dm³)	
	Minimum	Standard	Maximum	Minimum	Maximum
50	5.0	5.6	6.2	1.33	1.65
63	6.3	7.1	7.8	1.66	2.08
80	7.9	9.0	9.9	2.09	2.64
100	10.0	11.2	12.3	2.65	3.30
125	12.4	14.0	15.4	3.31	4.12
140	15.5	16.0	17.6	4.13	4.62
200	17.7	22.4	24.6	4.63	6.60
250	24.7	28.0	30.8	6.61	8.25
400	35.4	45.0	49.5	9.26	13.2
500	49.6	56.0	61.6	13.2	16.5

Saturated evaporating temperature: 6°C
Air temperature: 27°C DB / 19°C WB

Heating

EKEXV Class	Allowed heat exchanger capacity (kW)			Allowed heat exchanger volume (dm³)	
	Minimum	Standard	Maximum	Minimum	Maximum
50	5.6	6.3	7.0	1.33	1.65
63	7.1	8.0	8.8	1.66	2.08
80	8.9	10.0	11.1	2.09	2.64
100	11.2	12.5	13.8	2.65	3.30
125	13.9	16.0	17.3	3.31	4.12
140	17.4	18.0	19.8	4.13	4.62
200	19.9	25.0	27.7	4.63	6.60
250	27.8	31.5	34.7	6.61	8.25
400	39.8	50.0	55.0	9.26	13.2
500	55.1	63.0	69.3	13.2	16.5

Saturated condensing temperature: 46°C
Air temperature: 20°C DB

EKEXV - Expansion valve kit for air handling applications

Ventilation			EKEXV	50	63	80	100	125	140	200	250	400	500
Dimensions	Unit		mm	401x215x78									
Weight	Unit		kg	2.9									
Sound pressure level	Nom.		dBA	45									
Operation range	On coil	Heating Min.	°CDB	10 (1)									
	temperature	Cooling Max.	°CDB	35 (2)									
Refrigerant	Type / GWP			R-410A / 2.087,5									
Piping connections	Liquid	OD	mm	6.35	9.52							12.7	15.9

(1) The temperature of the air entering the coil in heating mode can be reduced to -5°CDB. Contact your local dealer for more information. (2) 45% Relative humidity.

EKEQ - Control box for air handling applications

Ventilation		EKEQ	FCBA	DCB	MCBA
Application			See note	Pair	Multi
Outdoor unit			ERQ / VRV	ERQ	VRV
Dimensions	Unit	mm	132x400x200		
Weight	Unit	kg	3.9	3.6	
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230		

The combination of EKEQFCBA and ERQ is in pair application. The EKEQFCBA can be connected to some type of VRV IV outdoor units with a maximum of 3 control boxes. The combination with DX indoor units, hydroboxes, RA outdoor units, ... is not allowed. Refer to the combination table drawing of the outdoor unit for details.

Pair application selection

› **the outdoor unit is connected to ONE COIL (with single circuit or maximum 3 interlaced circuits) using up to 3 control boxes**
› **indoor unit combination is not allowed**
› **only works with X, W, Y control**

Step 1: Required AHU capacity

An AHU with double flow, heat recovery and 100% fresh air is to be installed in Europe where the outdoor sizing temperature is 35 ºCDB and the target supply air temperature for fresh air is 25 ºCDB. Load calculations point to a required capacity of 45kW.
By checking on the EKEXV capacity table, for cooling operation, 40kW falls within the 400 class valve. Since 40kW is not the nominal capacity, a class adjustment has to be done. 40/45=0,89 and 0,89x400=356. So the capacity class of the expansion valve kit is 356.

Step 2: Outdoor unit selection

For this AHU, a VRV IV heat pump model with continuous heating is going to be used (RYYQ-T series). For a capacity of 40kW at 35 ºCDB, an outdoor of 14HP (RYYQ14T) is selected. The capacity class of the 14 HP outdoor unit is 350.
Total connection ratio of the system is 356/350=102% hence it falls within the range 90-110%.

Step 3: Control box selection

In this particular case, the control will work with precise air temperature control. Only W or X control allow this. Since the consultant wants to use an "off-the-shelf" DDC module, the EKEQFCBA box with W control allows easy set-up due to pre-set factory values.

Multi application selection

› **the outdoor unit can be connected to MULTIPLE COILS (and their control boxes)**
› **indoor units are also connectable but not mandatory**
› **only works with Z control**

Step 1: Required AHU capacity

An AHU with double flow, heat recovery and 100% fresh air is to be installed in Europe where the outdoor sizing temperature is 35 ºCDB and the target supply air temperature for fresh air is 25 ºCDB. On top of this, for this building, 5 round-flow cassette units FXFQ50A will also be connected to this OU.
Load calculations point to a required capacity of 20kW for the AHU and 22,5 kW for the indoor untis.
By checking on the EKEXV capacity table, for cooling operation, 20kW falls within the 200 class valve. Since 22,4 kW is the nominal capacity, a class adjustment has to be done. 20/22,4=0,89 and 0,89x200=178. So the capacity class of the expansion valve kit is 178. Total capacity class of the indoor unit system is 178+250=428

Step 2: Outdoor unit selection

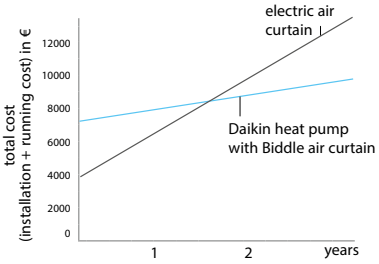
For this system where a AHU is connected with indoor units, it is mandatory to use a heat recovery unit. By consulting the engineering databook for REYQ-T, the total required capacity of 42,5 kW requires a 16HP model REYQ16T. Which will deliver 45kW at the design temperature of 35 ºCDB. This unit has a capacity class of 400. Total connection ratio of the system is 428/400=107% hence it falls within the range 50-110%.

Step 3: Control box selection

In this particular case, the only available control is Z control and the combination of AHU and VRV DX indoor units requires EKEQMCBA control box.

Biddle air curtain for ERQ

- Connectable to ERQ heat pump
- ERQ is among the first DX systems suitable for connection to air curtains
- Free-hanging model (F): easy wall mounted installation
- Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible
- Recessed model (R): neatly concealed in the ceiling
- A payback period of less then 1.5 years compared to installing an electric air curtain
- Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required
- PATENTED TECHNOLOGY: Maximum energy efficiency stemming from almost zero down flow turbulence, optimised air flow and the application of advanced discharge rectifier technology
- Around 85% air separation efficiency, greatly reducing both heat loss and required indoor unit heating capacity





				Small			Medium			
				CYQS150DK80 *BN/*SN	CYQS200DK100 *BN/*SN	CYQS250DK140 *BN/*SN	CYQM100DK80 *BN/*SN	CYQM150DK80 *BN/*SN	CYQM200DK100 *BN/*SN	CYQM250DK140 *BN/*SN
Heating capacity	Speed 3		kW	9.0	11.6	16.2	9.2	11.0	13.4	19.9
Power input	Fan only	Nom.	kW	0.35	0.46	0.58	0.37	0.56	0.75	0.94
	Heating	Nom.	kW	0.35	0.46	0.58	0.37	0.56	0.75	0.94
Delta T	Speed 3		K	15		16	17	14	13	15
Casing	Colour			BN: RAL9010 / SN: RAL9006						
Dimensions	Unit	Height F/C/R	mm	270/270/270						
		Width F/C/R	mm	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	590/821/561						
Required ceiling void >			mm	420						
Door height	Max.		m	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)
Door width	Max.		m	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Weight	Unit		kg	66	83	107	57	73	94	108
Fan-Air flow rate	Heating	Speed 3	m^3/h	1,746	2,328	2,910	1,605	2,408	3,210	4,013
Sound pressure level	Heating	Speed 3	dBA	49	50	51	50	51	53	54
Refrigerant	Type / GWP			R-410A / 2,087.5						
Piping connections	Liquid/OD/Gas/OD		mm	9.52/16.0		9.52/19.0	9.52/16.0			9.52/19.0
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)						
Power supply	Voltage		V	230						

				Large			
				CYQL100DK125 *BN/*SN	CYQL150DK200 *BN/*SN	CYQL200DK250 *BN/*SN	CYQL250DK250 *BN/*SN
Heating capacity	Speed 3		kW	15.6	23.3	29.4	31.1
Power input	Fan only	Nom.	kW	0.75	1.13	1.50	1.88
	Heating	Nom.	kW	0.75	1.13	1.50	1.88
Delta T	Speed 3		K	15		14	12
Casing	Colour			BN: RAL9010 / SN: RAL9006			
Dimensions	Unit	Height F/C/R	mm	370/370/370			
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	774/1,105/745			
Required ceiling void >			mm	520			
Door height	Max.		m	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)
Door width	Max.		m	1.0	1.5	2.0	2.5
Weight	Unit		kg	76	100	126	157
Fan-Air flow rate	Heating	Speed 3	m^3/h	3,100	4,650	6,200	7,750
Sound pressure level	Heating	Speed 3	dBA	53	54	56	57
Refrigerant	Type / GWP			R-410A / 2,087.5			
Piping connections	Liquid/OD/Gas/OD		mm	9.52/16.0	9.52/19.0	9.52/22.0	
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)			
Power supply	Voltage		V	230			

(1) Favorable conditions: covered shopping mall or revolving door entrance (2) Normal conditions: little direct wind, no opposite open doors, building with ground floor only
(3) Unfavorable conditions: location at a corner or square, multiple floors and/or open stairway

Biddle air curtain for VRV and Conveni-pack

- Connectable to VRV heat recovery, heat pump and Conveni-pack
- VRV is among the first DX systems suitable for connection to air curtains
- Free-hanging model (F): easy wall mounted installation
- Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible
- Recessed model (R): neatly concealed in the ceiling
- A payback period of less then 1.5 years compared to installing an electric air curtain
- Provides virtually free air curtain heating via recovered heat from indoor units in cooling mode (in case of VRV heat recovery)
- Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required
- PATENTED TECHNOLOGY: Maximum energy efficiency stemming from almost zero down flow turbulence, optimised air flow and the application of advanced discharge rectifier technology
- Around 85% air separation efficiency, greatly reducing both heat loss and required indoor unit heating capacity



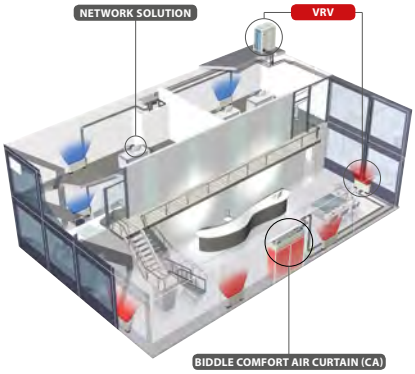
CYVM150DK80FSC



CYVM150DK80CSC



CYVM150DK80RSC



				Small				Medium			
				CYVS100DK80 *BC/*SC	CYVS150DK80 *BC/*SC	CYVS200DK100 *BC/*SC	CYVS250DK140 *BC/*SC	CYVM100DK80 *BC/*SC	CYVM150DK80 *BC/*SC	CYVM200DK100 *BC/*SC	CYVM250DK140 *BC/*SC
Heating capacity	Speed 3		kW	7.40	9.0	11.6	16.2	9.2	11.0	13.4	19.9
Power input	Fan only	Nom.	kW	0.23	0.35	0.46	0.58	0.37	0.56	0.75	0.94
	Heating	Nom.	kW	0.23	0.35	0.46	0.58	0.37	0.56	0.75	0.94
Delta T	Speed 3		K	19	15		16	17	14	13	15
Casing	Colour			BN: RAL9010 / SN: RAL9006							
Dimensions	Unit	Height F/C/R	mm	270/270/270							
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	590/821/561							
Required ceiling void >			mm	420							
Door height	Max.		m	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.3 (1) / 2.15 (2) / 2.0 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)	2.5 (1) / 2.4 (2) / 2.3 (3)
Door width	Max.		m	1.0	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Weight	Unit		kg	56	66	83	107	57	73	94	108
Fan-Air flow rate	Heating	Speed 3	m^3/h	1,164	1,746	2,328	2,910	1,605	2,408	3,210	4,013
Sound pressure level	Heating	Speed 3	dBA	47	49	50	51	50	51	53	54
Refrigerant	Type / GWP			R-410A / 2,087.5							
Piping connections	Liquid/OD/Gas/OD		mm	9.52/16.0			9.52/19.0	9.52/16.0			9.52/19.0
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)							
Power supply	Voltage		V	230							

				Large			
				CYVL100DK125*BC/*SC	CYVL150DK200*BC/*SC	CYVL200DK250*BC/*SC	CYVL250DK250*BC/*SC
Heating capacity	Speed 3		kW	15.6	23.3	29.4	31.1
Power input	Fan only	Nom.	kW	0.75	1.13	1.50	1.88
	Heating	Nom.	kW	0.75	1.13	1.50	1.88
Delta T	Speed 3		K	15		14	12
Casing	Colour			BN: RAL9010 / SN: RAL9006			
Dimensions	Unit	Height F/C/R	mm	370/370/370			
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	774/1,105/745			
Required ceiling void >			mm	520			
Door height	Max.		m	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)	3.0 (1) / 2.75 (2) / 2.5 (3)
Door width	Max.		m	1.0	1.5	2.0	2.5
Weight	Unit		kg	76	100	126	157
Fan-Air flow rate	Heating	Speed 3	m^3/h	3,100	4,650	6,200	7,750
Sound pressure level	Heating	Speed 3	dBA	53	54	56	57
Refrigerant	Type / GWP			R-410A / 2,087.5			
Piping connections	Liquid/OD/Gas/OD		mm	9.52/16.0	9.52/19.0	9.52/22.0	
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)			
Power supply	Voltage		V	230			

(1) Favorable conditions: covered shopping mall or revolving door entrance (2) Normal conditions: little direct wind, no opposite open doors, building with ground floor only
(3) Unfavorable conditions: location at a corner or square, multiple floors and/or open stairway

		Heat Recovery Ventilation - Modular L						
		ALB02LBS/RBS	ALB03LBS/RBS	ALB04,05LBS/ RBS	ALB06,07LBS/ RBS	VAM 150FC	VAM 250FC	VAM 350J
Individual control systems	**BRC301B61** VAM wired remote control	•	•	•	•	•	•	•
	Madoka **BRC1H519W** (Glossy white) / **BRC1H519S** (Silver Metallic) / **BRC1H519K** (Black matte) User-friendly wired remote controller with premium design	•	•	•	•	•	•	•
	BRC1E53A/B/C Wired remote control with full-text interface and back-light	•	•	•	•	•	•	•
	BRC1D52 Standard wired remote control with weekly timer	•	•	•	•	•	•	•
Centralised control systems	**DCC601A51** intelligent Tablet Controller	•	•	•	•	•	•	•
	DCM601A51 intelligent Touch Controller	•	•	•	•	•	•	•
	DCS302C51 Central remote control	•	•	•	•	•	•	•
	DCS301B51 Unified ON/OFF control	•	•	•	•	•	•	•
	DST301B51 Schedule timer	•	•	•	•	•	•	•
Building Management System & Standard protocol interface	**DCM601A51** intelligent Touch Manager	•	•	•	•	•	•	•
	EKMBDXA Modbus interface	•	•	•	•	•	•	•
	DMS502A51 BACnet Interface	•	•	•	•	•	•	•
	DMS504B51 LonWorks Interface	•	•	•	•	•	•	•
Filters	Coarse 55% (G4)	ALF02G4A	ALF03G4A	ALF05G4A	ALF07G4A			
	ePM_{10} 75% (M5)	ALF02M5A	ALF03M5A	ALF05M5A	ALF07M5A			
	ePM_{10} 70% (M6)							EKAFVJ50F6
	ePM_1 50% (F7)	ALF02F7A	ALF03F7A	ALF05F7A	ALF07F7A			
	ePM_1 55% (F7)							EKAFVJ50F7
	ePM_1 70% (F8)							EKAFVJ50F8
	ePM_1 80% (F9)	ALF02F9A	ALF03F9A	ALF05F9A	ALF07F9A			
	High efficiency filter							
	Replacement air filter							
Mechanical accessories	Rail	ALA02RLA	ALA03RLA	ALA05RLA	ALA07RLA			
	Rectangular to round duct transition	ALA02RCA	ALA03RC	ALA05RCA	ALA07RCA			
	Separate plenum							
CO_2 sensor		BRYMA200 (preliminary)	BRYMA200 (preliminary)	BRYMA200 (preliminary)	BRYMA200 (preliminary)			BRYMA65
Electrical heater		ALD02HEFB	ALD03HEFB	ALD05HEFB	ALD07HEFB	VH1B	VH2B	VH3B
Silencer (900mm depth)		ALS0290A	ALS0390A	ALS0590A	ALS0790A			
Electrical accessories	Wiring adapter for external monitoring/control (controls 1 entire system)					KRP2A51	KRP2A51	KRP2A51 (2)
	Adapter PCB for humidifier					KRP50-2	KRP50-2	KRP1C4 (5)
	Adapter PCB for third party heater					BRP4A50	BRP4A50	BRP4A50A (4)
	External wired temperature sensor							
	Adapter PCB Mounting plate							

Notes

(1) Do not connect the system to DIII-net devices LONWorks interface, BACnet interface, …; (intelligent Touch Manager, EKMBDXA are allowed)

(2) Installation box KRP1BA101 needed

(3) Adapter PCB mounting plate needed, applicable model can be found in the table above

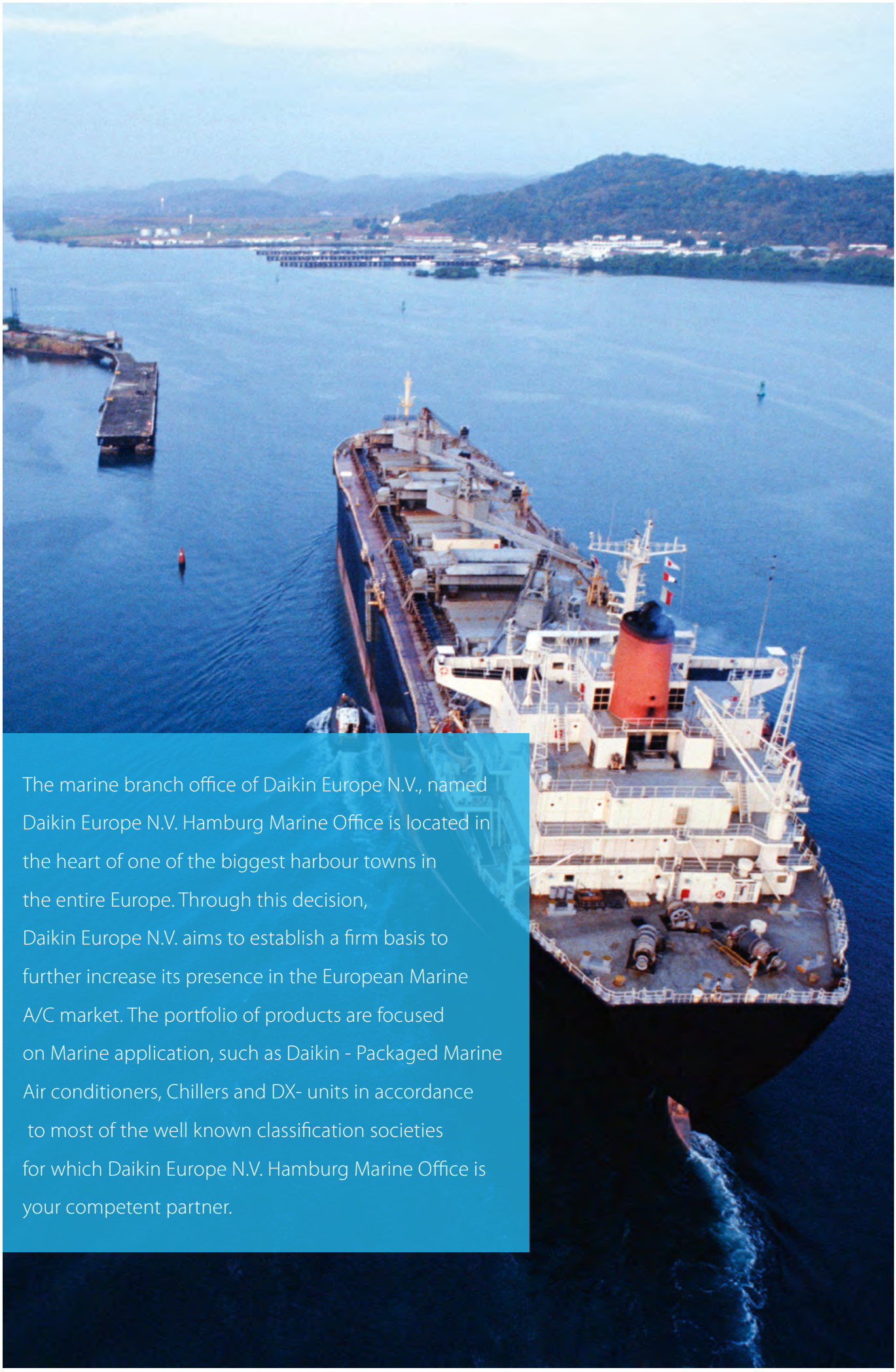
(4) 3rd party heater and 3rd party humidifier cannot be combined

(5) Installation box KRP50-2A90 needed

(6) Contains 1 plenum and can be used for half side of the unit (up to 4 plenums can be used on 1 unit)

(7) Available only with optional plenum

Energy reclaim ventilation - VAM						Energy reclaim ventilation VKM			Air handling unit applications		
VAM 500J	VAM 650J	VAM 800J	VAM 1000J	VAM 1500J	VAM 2000J	VKM 50GB (M)	VKM 80GB (M)	VKM 100GB (M)	EKEQ FCBA (1)	EKEQ DCB (1)	EKEQ MCBA (1)
•	•	•	•	•	•						
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•			
EKAFVJ50F6	EKAFVJ65F6	EKAFVJ100F6	EKAFVJ100F6	EKAFVJ100F6 x2	EKAFVJ100F6 x2						
EKAFVJ50F7	EKAFVJ65F7	EKAFVJ100F7	EKAFVJ100F7	EKAFVJ100F7 x2	EKAFVJ100F7 x2						
EKAFVJ50F8	EKAFVJ65F8	EKAFVJ100F8	EKAFVJ100F8	EKAFVJ100F8 x2	EKAFVJ100F8 x2						
						KAF242H80M	KAF242H100M	KAF242H100M			
						KAF241H80M	KAF241H100M	KAF241H100M			
				EKPLEN200 (6)	EKPLEN200 (6)						
BRYMA65	BRYMA65	BRYMA100	BRYMA100	BRYMA200	BRYMA200	BRYMA65	BRYMA100	BRYMA200			
VH3B	VH4B / VH4/AB	VH4B / VH4/AB	VH4B / VH4/AB	VH5B(7)	VH5B(7)						
KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
KRP1C4 (5)	KRP1C4 (3/5)	KRP1C4 (5)	KRP1C4 (5)	KRP1C4 (3/5)	KRP1C4 (3/5)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
										KRCS01-1	
	EKMP65VAM			EKMPVAM							



The marine branch office of Daikin Europe N.V., named Daikin Europe N.V. Hamburg Marine Office is located in the heart of one of the biggest harbour towns in the entire Europe. Through this decision, Daikin Europe N.V. aims to establish a firm basis to further increase its presence in the European Marine A/C market. The portfolio of products are focused on Marine application, such as Daikin - Packaged Marine Air conditioners, Chillers and DX- units in accordance to most of the well known classification societies for which Daikin Europe N.V. Hamburg Marine Office is your competent partner.

USDN25(HB) / USDP25(GB) / USDN*(JB1) (JB2) / USDP*(JB1) (JB2)

Daikin Marine Type Deck Units

- Energy saving
- Compact design
- Refrigerants R-404A - R-407C
- Economical maintenance
- Easy installation
- Hermetic scroll compressor
- Minimum piping and field work required
- High performance reliability
- Lesser refrigerant volum with leak proof hermetic structure
- High static pressure fan facilitates the use of long ducts
- Quiet, less vibration operation makes it suitable for installation in accomodation areas

Optional customized modifications:
- Remote controls
- Electrical heater
- Data bus interfaces
- Air plenum or duct connection
- Higher external static pressure
- Cooling water regulating valve
- Higher air volume



USP*H (R1) (B) (TG) (BTG) / USN*HB / USN (G) (C)*HB / USP (G) (C)*HB

Daikin Marine Type Packaged Series

- Excellent durability
- Hermetic scroll compressor
- Light weight design
- Refrigerants: R-404A - R-407C
- Resilient structure specially designed for marine applications
- Abundant modification parts assures various applications
- Wide operation range
- Easy transportation and installation
- Energy-saving
- Complete set of spare parts provided for certain models

Optional customized modifications:
- Remote controls
- Electrical heater
- Data bus interfaces
- Air plenum or duct connection
- Higher external static pressure
- Cooling water regulating valve
- Higher air volume



USFN*(JB) (JC) / USFP*(JB) (JC)

Daikin Marine Type Galley Series

- Respond to a wide temperature range
- High efficient operation
- Outstanding durable design
- Easy transportation and installation
- Excellent performance reliability
- Spare parts are provided as standard accessories
- Hermetic scroll compressor
- High static pressure system
- R-404A, R-407C

Optional customized modifications:
- Remote controls
- Electrical heater
- Data bus interfaces
- Air plenum or duct connection
- Higher external static pressure
- Cooling water regulating valve
- Higher air volume



RHSD~A / RKS~FR Unit

Daikin Marine Type Small Size Condensing

RHSD-A (R-134a):
- A semi-hermetic reciprocating compressor with proven reliability
- Saved maintenance work around compressor (without V belts & shaft seal)

RKS-FR (R-404A):
- An open type reciprocating compressor of optimum design for R-404A
- Equal installation & maintenance as R-22



For more information, visit www.daikineurope.com/industrial/applications/marine



Daikin chillers offer the ultimate in reliability and flexibility — a reflection of the advanced technology inherent within them. Daikin chillers represent the sure and safe route to a comfortable environment and a process cooling solution that is clean and consistent.

Chillers

Why choose Daikin chillers 448

Products overview - air cooled and condensing units 452

Products overview - water cooled and condenserless units 454

Air cooled chillers (Cooling only) 456
EWAQ-BVP 456
EWAQ-ACV3/ACW1 457
EWAQ-CWN 458
EWAQ-CWP/CWH 459
EWAD-CF 460
UNIQUE EWAD-TZB 462
NEW EWAH-TZB 470
EWAD-T- 476
NEW EWAT-B- 480

Air cooled chillers (Heat pump) 486
EWYQ-BVP 486
EWYQ-ACV3/ACW1 487
EWYQ-CWN 488
EWYQ-CWP/CWH 489
SEHVX-BW/SERHQ-BW1 490
EWYQ-G- 492
EWYQ-F- 494
EWYD-BZ 496
Multipurpose unit 498
UNIQUE EWYD-4Z 498

Air cooled condensing unit 502
ERAD-E- 502

Water cooled chillers 504
EWWQ-KBW1N 504
EWHQ-G- 506
EWWQ-G- 507
EWWQ-L- 508
EWWD-J- 509
UNIQUE EWWD-VZ 510
NEW EWWH-VZ 516

Condenserless chillers 520
EWLQ-KBW1N 520
EWLQ-G- 522
EWLQ-L- 523
EWLD-J- 524
EWLD-I- 525

Water cooled centrifugal chillers 526
NEW EWWD-DZ 526
NEW EWWH-DZ 527
DWDC / DWSC 528

Options and accessories 530

For latest data, please consult my.daikin.eu



Daikin chillers

Why choose Daikin chillers?

Daikin chillers are the perfect bridge between project requirements and customer satisfaction.

From the smallest chillers to the very largest, our quality control and attention detail is absolute.

Our systems have the **most advanced technologies**, deliver **the highest energy efficiencies** and **lowest running costs**, and are the gold standard for reliability and performance.

The widest and most flexible chiller portfolio

› From the smallest mini chiller for residential use to the largest chiller for district cooling
› Tailor made solutions based on the most advanced technologies
› Wide range of options and accessories

Worldwide experience in chiller design and manufacturing

› World's most advanced facilities for air conditioning research and development: the Applied Development Center in Minneapolis, Minnesota
› Inhouse development and manufacturing of chiller main components (compressors, fans, condenser coils, software, etc...)
› Chillers produced in European factories, in Milan and Ostend

The highest efficiency for every installation

› Inverter technology over the whole capacity range
› The lowest total cost of ownership and fast payback time

Quality and reliability

› Daikin's integrated zero defect policy ensures quality of components and finished products
› Each Daikin chiller is factory run-tested and subjected to quality audit before shipment

Benefits for installers

› Plug & play solutions
› Maximum serviceability
› Ideal solutions for retrofit projects

Benefits for consultants

› Energy efficient solutions without compromising on reliability and performance
› Latest technology embedded in all our products

Benefits for end users

› Remarkable savings on running costs
› Easy to customise the chiller to your application, environment and need thanks to more than 150 different options.

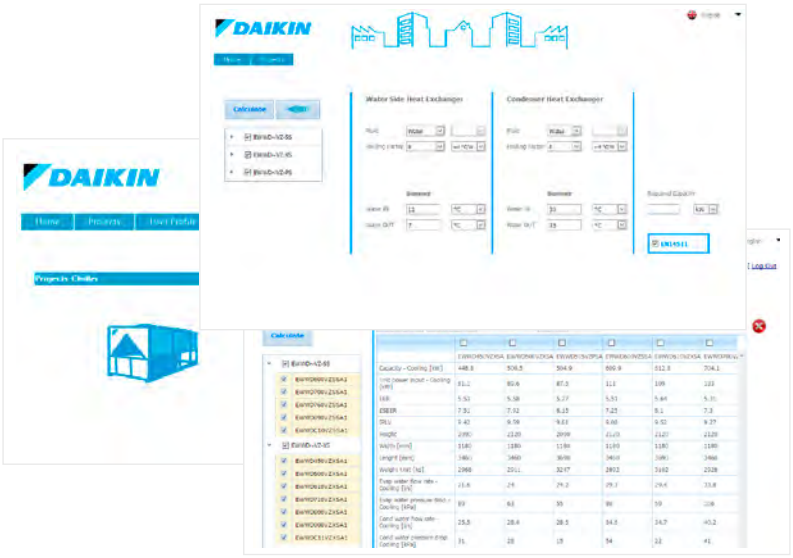
Web-based chiller selection software

A user-friendly interface allows users to quickly create new projects, open and change exisiting projects or simply do a quick selection.

Technical selection reports can be printed or downloaded in several formats.

To make life easier, the tool is accessible everywhere, via any device. No matter where you are, projects can be consulted.

Create now a new account on:
http://tools.daikinapplied.eu/





401 Chiller and air side equipment
Product portfoliio



400 Applied Systems
Product Catalogue



445 EWYD-4Z Multipurpose
Product profile



416 Modular L
Product profile



418 Chiller series
Product profile



404 EWAD-TZ B
Product profile

Supporting tools

Business portal

› Experience our extranet that thinks with you at my.daikin.eu
› Find information in seconds via a powerful search
› Customise the options so you see only info relevant for you
› Access via mobile device or desktop

Website

› www.daikin.eu/en_us/product-group/chillers.html
› Explore our product range
› Find our solutions for applications
› Get more commercial details on our flagship products

Literature

› Download or consult our literature for our professional network and end-customers


OFFICE APPLICATION



AIR COOLED CHILLER INSTALLATION



AIR COOLED CHILLER INSTALLATION


INDUSTRIAL APPLICATION



EWAQ-E-
INSTALLATION



DATA CENTER
APPLICATION



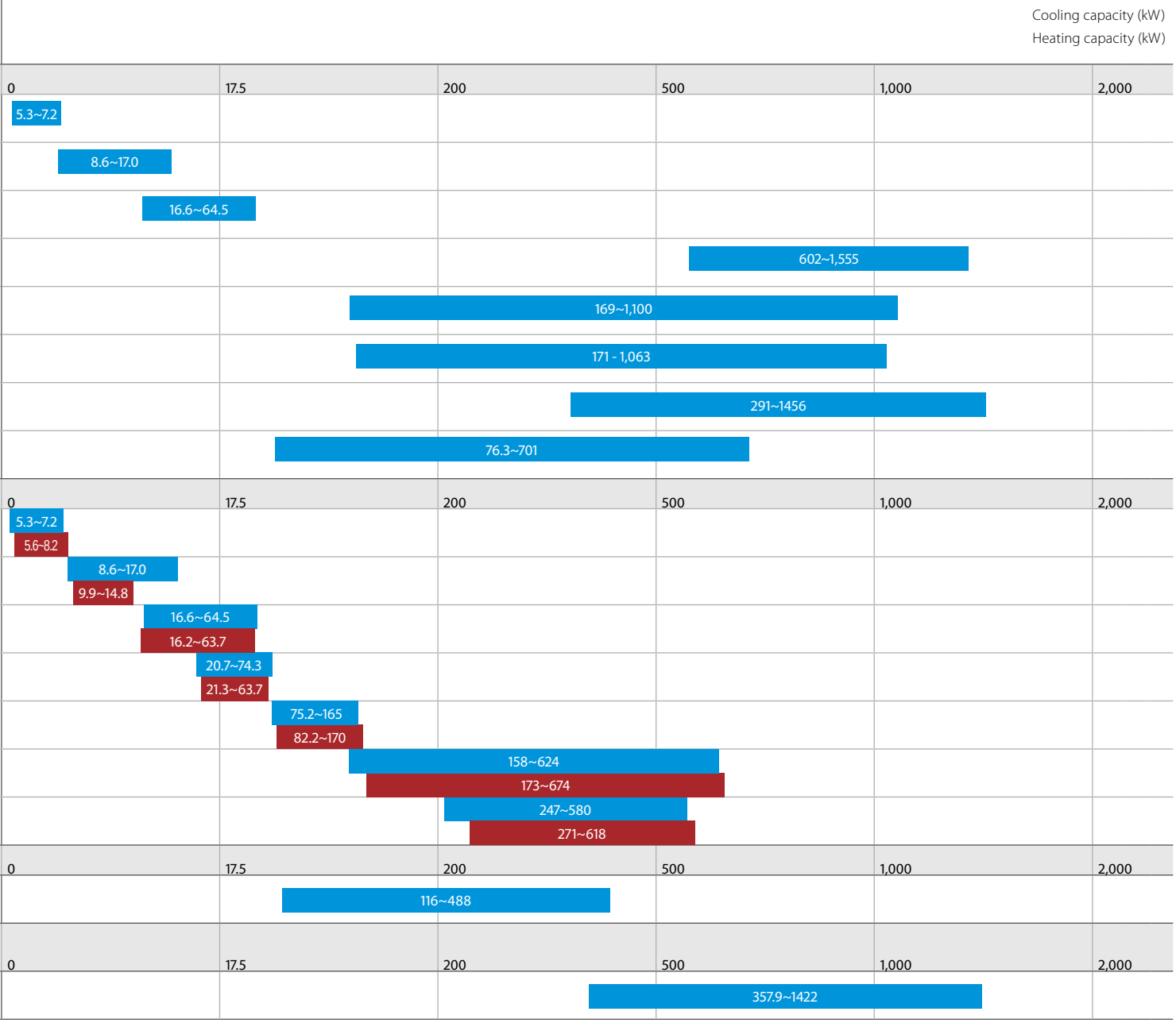


PROCESS COOLING
APPLICATION

Products overview

		Refrigerant type *	Refrigerant circuits	Inverter	Free cooling	Compressor			Water heat exchanger		Efficiency version			Sound version		
						Swing	Scroll	Screw	Plate **	Single pass shell and tube	Standard	High	Premium	Standard	Low	Reduced
Cooling only																
EWAQ~BVP		R-410A	1	●		●			● BPHE		●			●		
EWAQ~ACV3/ACW1		R-410A	1	●			●		● BPHE		●			●		
EWAQ~CWN/P/H		R-410A	1-2	●			●		● BPHE		●			●		
EWAD~CF		R-134a	2		●			●		●		●		●	●	●
EWAD-TZ B		R-134a	1-2	●				●	●	●	●	●	●	●	●	●
EWAH-TZ B NEW		R-1234ze(E)	1-2	●				●	●	●	●	●	●	●	●	●
EWAD-T-		R-134a	2					●		●	●	●	●	●	●	●
EWAT-B NEW		R-32	1-2				●		●		●	●	●	●	●	●
Heat pump																
EWYQ~BVP		R-410A	1	●		●			● BPHE		●			●		
EWYQ~ACV3/ACW1		R-410A	1	●			●		● BPHE		●			●		
EWYQ~CWN/P/H		R-410A	1-2	●			●		● BPHE		●			●		
SEHVX-BW SERHQ-BW1		R-410A	1	●			●		● BPHE		●			●		
EWYQ~G-		R-410A	1				●		● BPHE			●		●		●
EWYQ~F-		R-410A	1-2				●		●			●		●	●	●
EWYD~BZ		R-134a	2-3	●				●		●	●			●	●	
Condensing unit																
ERAD~E-		R-134a	1					●			●			●	●	
Multipurpose unit																
EWYD-4Z		R-134a	2	●				●		●		●		●	●	●

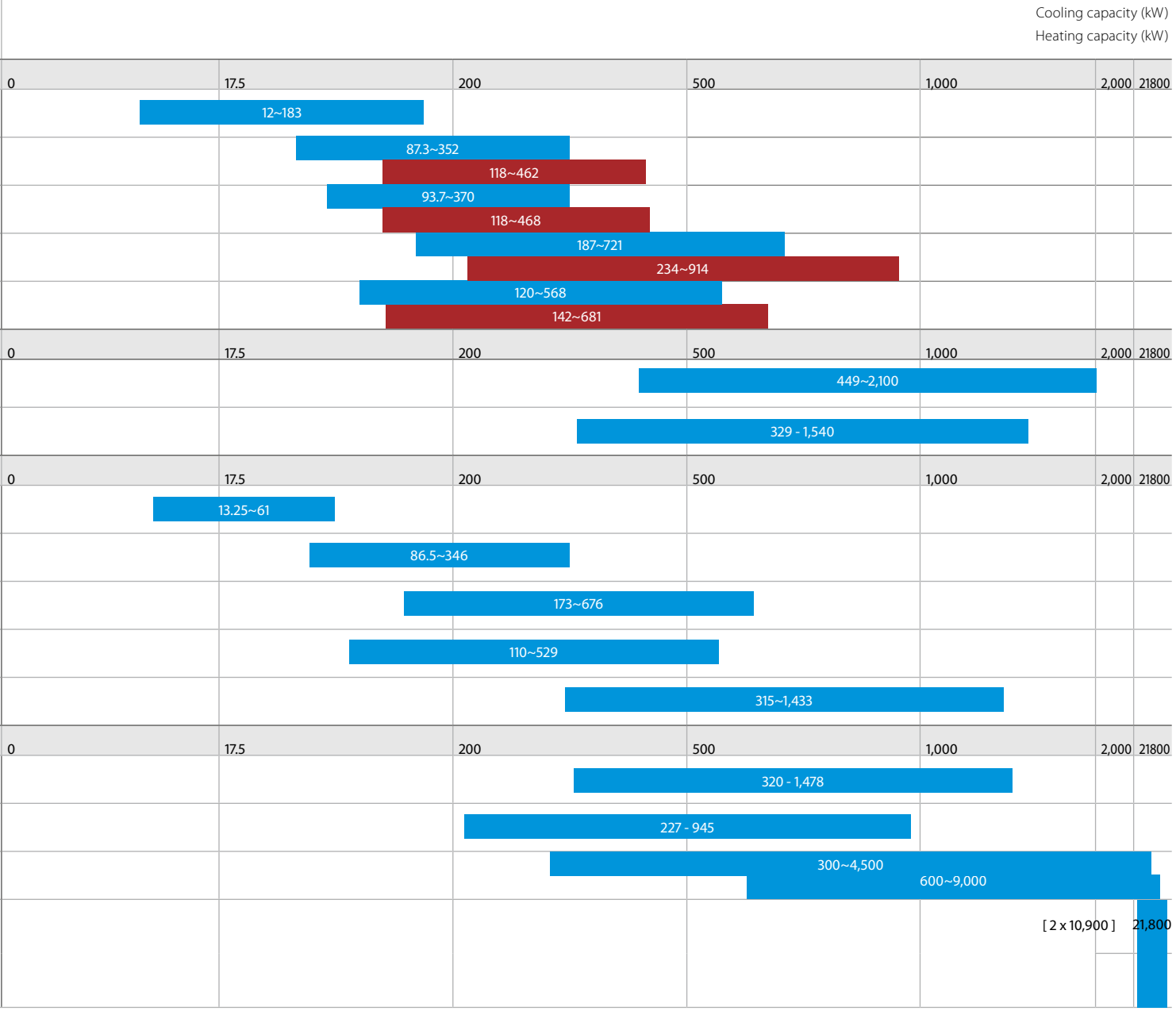
* (GWP) : R-410A (2087.5), R-134a (1430) - ** BPHE: Brazed plate heat exchanger


Cooling capacity (kW)
Heating capacity (kW)
0
17.5
200
500
1,000
2,000
5.3~7.2
8.6~17.0
16.6~64.5
602~1,555
169~1,100
171 - 1,063
291~1456
76.3~701
5.3~7.2
5.6-8.2
8.6~17.0
9.9~14.8
16.6~64.5
16.2~63.7
20.7~74.3
21.3~63.7
75.2~165
82.2~170
158~624
173~674
247~580
271~618
116~488
357.9~1422

Products overview

		Refrigerant Type *	Refrigerant circuits	Inverter	Compressor			Water heat exchanger			Efficiency version			Sound version
					Scroll	Screw	Centrifugal	Plate **	Single pass shell and tube	Shell and tube	Standard	High	Premium	Standard
Water cooled chillers (Cooling only & Heating only)														
EWWQ-KBW1N		R-410a	1-2		●			●			●			●
EWHQ~G-		R-410A	1		●			●			●			●
EWWQ~G-		R-410A	1		●			●			●			●
EWWQ~L-		R-410A	2		●			●			●			●
EWWD~J-		R-134a	1-2			●		●			●			●
Water cooled chillers (Cooling only)														
EWWD-VZ		R-134a	1	●		●				● Flooded	●	●	●	●
EWWH-VZ NEW		R-1234ze(E)	1	●		●				● Flooded	●	●	●	●
Condenserless chillers														
EWLQ-KBW1N		R-410a	1-2		●			● BPHE			●			●
EWLQ~G-		R-410A	1		●			●			●			●
EWLQ~L-		R-410A	2		●			●			●			●
EWLD~J-		R-134a	1-2			●		●			●			●
EWLD~I-		R-134a	1-2-3			●			●		●			●
Water cooled centrifugal chillers														
EWWD-DZ NEW		R-134a	1				●			●		●		●
EWWH-DZ NEW		R-1234ze(E)	1				●			●		●		●
DWSC DWDC		R-134a	1	optional			●		● Flooded			●		●
6,000 RT CENTRIFUGAL		R-134a	2 per chiller				●		● Flooded			●		●

* (GWP) : R-410A (2087.5), R-134a (1430), R-407C (1773.9) - ** BPHE: Brazed plate heat exchanger


Cooling capacity (kW)
Heating capacity (kW)
0
17.5
200
500
1,000
2,000
21800
12~183
87.3~352
118~462
93.7~370
118~468
187~721
234~914
120~568
142~681
449~2,100
329 - 1,540
13.25~61
86.5~346
173~676
110~529
315~1,433
320 - 1,478
227 - 945
300~4,500
600~9,000
[2 x 10,900]
21,800

Air cooled mini inverter chiller

- Top product in terms of energy efficiency and operation range
- All capacities available in 2 versions: standard version and version with OP10 option (no freeze up of water when not in operation thanks to the water piping heater tape)
- Easy‚plug and play' installation
- Amongst the most quiet units in the market (63dBA - sound power)
- Single phase power supply and low starting currents make the unit ideal for residential applications
- Weight reduced with 20% compared with the previous models.
- Built-in Hydraulic kit: no buffer tank required, standard inverter driven pump, main flow sensor and switch included.
- Standard wired remote control enables setting of different set points (cooling, heating, water leaving temperature) or based on outdoor conditions (weather dependent control). It has an alarm history, night time noise reduction function and is language based.



EWAQ-BVP EKRUMCL1

Cooling Only				EWAQ-BVP	004	005	006	008
Space cooling	A Condition 35°C	Pdc		kW	4.00	4.93	5.88	7.95
	ηs,c			%	172	173	174	178
SEER					4.38	4.39	4.42	4.53
Cooling capacity	Nom.			kW	4.00 (1) / 4.01 (2)	4.93 (1) / 5.07 (2)	5.88 (1) / 6.07 (2)	7.95 (1) / 8.23 (2)
Power input	Cooling	Nom.		kW	1.27 (1) / 0.840 (2)	1.61 (1) / 1.12 (2)	1.87 (1) / 1.13 (2)	2.57 (1) / 1.65 (2)
Capacity control	Method				Variable (inverter)			
EER					3.14 (1) / 4.80 (2)	3.06 (1) / 4.51 (2)	3.15 (1) / 5.35 (2)	3.10 (1) / 4.99 (2)
ESEER					4.45	4.49	5.25	5.24
Dimensions	Unit	Height		mm	735		997	
		Width		mm	1,090		1,160	
		Depth		mm	350		380	
Weight	Unit			kg	83		106	
Water heat exchanger	Type				Brazed plate			
	Water volume			l	1		2	
Air heat exchanger	Type				Cross fin coil/Hi-X tubes and chromate coated waffle louvre fins		Cross fin coil/Hi-X tubes and PE coated waffle louvre fins	
Compressor	Type				Hermetically sealed swing compressor			
	Quantity				1			
Fan	Type				Propeller fan			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m^3/min	53		72 (1)	
Sound power level	Cooling	Nom.		dBA	63.0 (1)	64.0 (1)	69.0 (1)	
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	52.0	53.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~43		10~46	
	Water side	Cooling	Min.~Max.	°CDB	5~22			
Refrigerant	Type/GWP				R-410A/2,088		R-410A/2,087.5	
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	2.10		2.70	
	Per circuit			TCO2Eq	4.4		5.6	
Water circuit	Piping connections diameter			inch	1" MBSP			
Unit	Starting current	Max		A	15.7		19.9	
	Running current	Max		A	15.7		19.9	
Power supply	Phase/Frequency/Voltage			Hz/V	1N~/50/230			

(1)Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; ambient air temp. 35°C | (2)Cooling: entering evaporator water temp. 23°C; leaving evaporator water temp. 18°C

Air cooled mini inverter chiller

- Inverter technology to ensure low sound values and leader-of-class ESEER
- Wide operating range
- Built-in hydronic module: no buffer tank required and a standard pump and main switch are included
- Easy‚plug and play' installation
- Single phase power supply for residential applications, three phase power supply model available for light commercial applications



EWAQ-ACV3/ACW1



Digital controller

Cooling Only				EWAQ	009ACV3	010ACV3	011ACV3	009ACW1	011ACW1	013ACW1
Space cooling	A Condition 35°C	Pdc		kW	8.49	9.89	11.2	8.75	11.0	13.2
	ηs,c			%	162	169	171	155	163	
SEER					4.13	4.29	4.35	3.94	4.16	4.15
Cooling capacity	Nom.			kW	12.2 (1) / 8.60 (2)	13.6 (1) / 9.60 (2)	15.7 (1) / 11.1 (2)	12.9 (1) / 9.10 (2)	15.7 (1) / 11.1 (2)	17.0 (1) / 13.3 (2)
Power input	Cooling	Nom.		kW	2.85 (1) / 2.83 (2)	3.41 (1) / 3.28 (2)	4.13 (1) / 3.90 (2)	3.08 (1) / 3.05 (2)	4.13 (1) / 3.90 (2)	5.52 (1) / 5.18 (2)
Capacity control	Method				Variable (inverter)					
EER					4.27 (1) / 3.05 (2)	4.00 (1) / 2.93 (2)	3.79 (1) / 2.85 (2)	4.19 (1) / 2.99 (2)	3.79 (1) / 2.85 (2)	3.08 (1) / 2.57 (2)
ESEER					4.31	4.30	4.33	4.43	4.44	4.36
Dimensions	Unit	Height		mm	1,435					
		Width		mm	1,420					
		Depth		mm	382					
Weight	Unit			kg	168					
Water heat exchanger	Type				Brazed plate					
	Water volume			l	1.01					
Air heat exchanger	Type				Hi-XSS					
Compressor	Type				Hermetically sealed scroll compressor					
	Quantity				1					
Fan	Type				Propeller fan					
	Quantity				2					
	Air flow rate	Cooling	Nom.	m^3/min	96.0	100	97.0	96.0		100
Sound power level	Cooling	Nom.		dBA	64.0					66.0
Sound pressure level	Cooling	Nom.		dBA	51.0					52.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~46					
	Water side	Cooling	Min.~Max.	°CDB	5~20					
Refrigerant	Type/GWP				R-410A/2,087.5					
	Control				Electronic expansion valve					
	Circuits	Quantity			1.00					
Refrigerant charge	Per circuit			kg	2.95					
	Per circuit			TCO2Eq	6.16					
Water circuit	Piping connections diameter			inch	G 5/4" (female)					
	Piping			inch	5/4"					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230			3N~/50/400		

(1)Underfloor program: cooling Ta 35°C - LWE 18°C (Dt: 5°C) | (2)Fan coil program: cooling Ta 35°C - LWE 7°C (Dt: 5°C)

Air cooled scroll inverter chiller

› Inverter chiller
› High part load efficiency for low running cost
› Minimal starting currents
› No buffertank required for standard applications
› Daikin scroll compressor
› Wide operation range
› Integrated hydronic module on request



EWAQ-CWN BRC21A52

Cooling Only					EWAQ-CWN	016	021	025	032	040	050	064
Space cooling	A Condition 35°C	Pdc			kW	16.8	21.0	25.3	31.6	42.1	50.5	63.2
	ηs,c				%	168	163	165	154	164	165	154
Cooling capacity	Nom.				kW	16.8	21.0	25.3	31.6	42.1	50.5	63.2
Power input	Cooling	Nom.			kW	5.93	7.61	9.60	12.9	15.1	19.2	25.7
Capacity control	Method					Inverter controlled						
	Minimum capacity				%	25						
EER						2.84	2.77	2.63	2.45	2.79	2.63	2.46
ESEER						4.37	4.26	4.17	3.87	4.28	4.18	3.87
Dimensions	Unit	Height			mm	1,684						
		Width			mm	1,370			1,680	2,360		2,980
		Depth			mm	774				780		
Weight	Unit				kg	268	321		403	579		741
Water heat exchanger	Type					Brazed plate						
	Water volume				l	3			5	6		9
	Water pressure drop	Cooling	Total		kPa	8	10	14	8	10	14	8
Air heat exchanger	Type					Air cooled coil						
Compressor	Type					Hermetically sealed scroll compressor						
	Quantity					1	2		3	4		6
Fan	Type					Axial						
	Quantity					1				2		4
	Air flow rate	Cooling	Nom.		m^3/min	171	185		233	370		466
Sound power level	Cooling	Nom.			dBA	78.0			80.0	81.0		83.0
Operation range	Air side	Cooling	Min.~Max.		°CDB	-5~43						
	Water side	Cooling	Min.~Max.		°CDB	-10~20						
Refrigerant	Type/GWP					R-410A/2,087.5						
	Control					Electronic expansion valve						
	Circuits	Quantity				1				2		
Refrigerant charge	Per circuit				kg	7.60			9.60	7.60		9.60
	Per circuit				TCO2Eq	15.9			20.0	15.9		20.0
Water circuit	Piping connections diameter				inch	1-1/4" (female)				2" (female)		
	Piping				inch	1-1/4"				1-1/2"		
Unit	Starting current	Max			A	0.0	77.7	78.7	88.7	99.8	101.9	120.7
	Running current	Max			A	22.2	25.3	26.4	35.2	47.4	49.6	67.2
Power supply	Phase/Frequency/Voltage				Hz/V	3N~/50/400						

Air cooled scroll inverter chiller

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request
- EWAQ-CWP: Version with standard pump
- EWAQ-CWH: Version with optional high static pump



EWAQ-CWP/CWH



BRC21A52

Cooling Only					EWAQ	016CWP	021CWP	025CWP	032CWP	040CWP	050CWP	064CWP	016CWH	021CWH	025CWH	032CWH	040CWH	050CWH	064CWH
Space cooling	A Condition 35°C	Pdc			kW	17.0	21.2	25.5	31.8	42.3	50.7	63.4	17.1	21.3	25.5	31.8	42.4	50.8	63.5
	ηs,c				%	184	178	180	163	168	172	161	178	173	176	161	163	168	158
Cooling capacity	Nom.				kW	17.0	21.2	25.5	31.8	42.3	50.7	63.3	17.0	21.2	25.5	31.8	42.3	50.7	63.3
Power input	Cooling	Nom.			kW	5.81	7.47	9.45	12.7	15.1	19.0	25.5	5.81	7.47	9.45	12.7	15.1	19.0	25.5
Capacity control	Method					Inverter controlled													
	Minimum capacity				%	25													
EER						2.93	2.84	2.70	2.50	2.80	2.67	2.48	2.93	2.84	2.70	2.50	2.80	2.67	2.48
ESEER						4.85	4.70	4.57	4.10	4.40	4.36	4.05	4.69	4.58	4.47	4.06	4.27	4.26	3.98
Dimensions	Unit	Height			mm	1,684													
		Width			mm	1,370			1,680	2,360		2,980	1,370			1,680	2,360		2,980
		Depth			mm	774				780			774				780		
Weight	Unit				kg	280	332		414	604		765	283	336		417	612		774
Water heat exchanger	Type					Brazed plate													
	Water volume				l	3			5	6		9	3			5	6		9
	Water pressure drop	Cooling	Total		kPa	8	10	14	8	10	14	8		10	14	8	10	14	8
Air heat exchanger	Type					Air cooled coil													
Compressor	Type					Hermetically sealed scroll compressor													
	Quantity					1	2		3	4		6	1	2		3	4		6
Fan	Type					Axial													
	Quantity					1			2			4	1			2			4
	Air flow rate	Cooling	Nom.		m^3/min	171	185		233	370		466	171	185		233	370		466
Sound power level	Cooling	Nom.			dBA	78.0			80.0	81.0		83.0	78.0			80.0	81.0		83.0
Operation range	Air side	Cooling	Min.~Max.		°CDB	-5~43													
	Water side	Cooling	Min.~Max.		°CDB	-10~20													
Refrigerant	Type/GWP					R-410A/2,087.5													
	Control					Electronic expansion valve													
	Circuits	Quantity				1				2			1				2		
Refrigerant charge	Per circuit				kg	7.60			9.60	7.60		9.60	7.60			9.60	7.60		9.60
	Per circuit				TCO2Eq	15.9			20.0	15.9		20.0	15.9			20.0	15.9		20.0
Water circuit	Piping connections diameter				inch	1-1/4" (female)				2" (female)			1-1/4" (female)				2" (female)		
	Piping				inch	1-1/4"				1-1/2"			1-1/4"				1-1/2"		
Unit	Starting current	Max			A	0.0	77.7	78.7	88.7	99.8	101.9	120.7	0.0	79.9	81.7	91.7	103.7	106.3	125.1
	Running current	Max			A	22.2	25.3	26.4	35.2	47.4	49.6	67.2	24.4	27.5	29.4	38.2	51.3	54.0	71.6
Power supply	Phase/Frequency/Voltage				Hz/V	3N~/50/400													

Air cooled screw chiller with free cooling, high efficiency, standard/low sound

› Free cooling chiller for space cooling and industrial processes
› Stepless single-screw compressor
› Greater energy savings and reduced CO2 emissions during cold season
› Wide operating range
› MicroTech III controller with superior control logic and easy interface

Cooling only					EWAD-CFXS/XL	640	770	850	900	C10	C11	C12	C13	C14	C15	C16
Cooling capacity	Nom.			kW		640 (1) / 415 (2)	772 (1) / 510 (2)	852 (1) / 583 (2)	902 (1) / 612 (2)	1,027 (1) / 701 (2)	1,089 (1) / 734 (2)	1,269 (1) / 902 (2)	1,349 (1) / 957 (2)	1,435 (1) / 963 (2)	1,493 (1) / 1,013 (2)	1,555 (1) / 1,039 (2)
Power input	Cooling	Nom.		kW		257 (1) / 53.7 (2)	272 (1) / 62.0 (2)	293 (1) / 64.7 (2)	324 (1) / 69.8 (2)	360 (1) / 75.7 (2)	399 (1) / 83.4 (2)	397 (1) / 86.4 (2)	439 (1) / 92.8 (2)	454 (1) / 101 (2)	492 (1) / 109 (2)	530 (1) / 115 (2)
Capacity control	Method					Stepless										
	Minimum capacity			%		12.5										
EER						2.49 (1) / 11.91 (2)	2.84 (1) / 12.44 (2)	2.90 (1) / 13.17 (2)	2.78 (1) / 12.93 (2)	2.85 (1) / 13.56 (2)	2.73 (1) / 13.05 (2)	3.19 (1) / 14.68 (2)	3.08 (1) / 14.55 (2)	3.16 (1) / 14.21 (2)	3.04 (1) / 13.72 (2)	2.93 (1) / 13.50 (2)
ESEER						3.44	3.52	3.78	3.50	3.74	3.54	3.88	3.78	4.01	3.96	3.85
IPLV						3.86	4.03	4.10	4.05	4.00	3.95	4.36	4.25	4.36	4.35	4.26
Dimensions	Unit	HeightxWidthxDepth		mm		2,565 x2,480 x6,300	2,565 x2,480 x7,200	2,565x2,480x8,100		2,565 x2,480 x9,000		2,565x2,480x10,800				
Weight (XS)	Unit			kg		7,760	8,340	8,900		10,160	10,420	11,900		12,540	12,620	12,670
	Operation weight			kg		8,515	9,100	9,705		11,169	11,429	13,276		14,516	14,596	14,646
Weight (XL)	Unit			kg		8,050	8,620	9,190		10,450	10,710	12,190		12,830	12,910	12,960
	Operation weight			kg		8,795	9,390	9,995		11,459	11,719	13,566		14,806	14,886	14,936
Water heat exchanger	Type					Single pass shell & tube										
	Water flow rate	Cooling	Nom.	l/s		27.8 (1) / 27.8 (2)	33.5 (1) / 33.5 (2)	37.0 (1) / 37.0 (2)	39.2 (1) / 39.2 (2)	44.6 (1) / 44.6 (2)	47.3 (1) / 47.3 (2)	55.1 (1) / 55.1 (2)	58.6 (1) / 58.6 (2)	62.4 (1) / 62.4 (2)	64.9 (1) / 64.9 (2)	67.6 (1) / 67.6 (2)
	Water pressure drop	Cooling	Nom.	kPa		85 (1) / 128 (2)	105 (1) / 172 (2)	90 (1) / 178 (2)	101 (1) / 198 (2)	111 (1) / 245 (2)	124 (1) / 272 (2)	98 (1) / 232 (2)	110 (1) / 259 (2)	139 (1) / 305 (2)	150 (1) / 328 (2)	162 (1) / 354 (2)
	Water volume			l		741	771	808		1,012		1,372		1,965		
Air heat exchanger	Type					High efficiency fin and tube type										
Compressor	Type					Asymmetric single screw compressor										
	Quantity					2										
Fan	Type					Direct propeller										
	Air flow rate	Nom.		l/s		50,368	60,441	70,515		80,588		95,253				
Sound power level (XS)	Cooling	Nom.		dBA		100.0		101.0			102.0		103.0			
Sound power level (XL)	Cooling	Nom.		dBA		96.0	97.0			98.0		99.0				
Sound pressure level (XS)	Cooling	Nom.		dBA		79.0	80.0				81.0	80.0				
Sound pressure level (XL)	Cooling	Nom.		dBA		76.0	77.0									
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20~45										
	Water side	Cooling	Min.~Max.	°CDB		-8~15										
Refrigerant	Type/GWP					R-134a/1,430										
	Circuits	Quantity				2										
Refrigerant charge				kg/TCO2Eq		64.0/91.5	73.0/104.4	81.0/115.8		91.0/130.1		107.0/153.0		112.5/160.9	124.0/177.3	
Piping connections	Evaporator water inlet/outlet (OD)					DN150PN16(168.3mm)				DN200PN16(219.1mm)				DN250PN16(273mm)		
Unit	Starting current	Max		A		605	619	658		924	971	1,030			1,073	1,086
	Running current	Cooling	Nom.	A		404	430	467	515	568	628	636	701	720	773	825
		Max		A		476	510	561	605	672	731	811	875		929	982
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400										

(1) Cooling: entering evaporator water temp. 16°C; leaving evaporator water temp. 10°C; ambient air temp. 35°C; full load operation.
(2) Data is calculated at ambient air temperature 5°C, inlet water temperature 16°C.

Air cooled screw chiller with free cooling, high efficiency, reduced sound



EWAD-CFXS/XL/XR

Microtech III

Cooling Only				EWAD-CFXR	600	740	820	870	980	C10	C11	C12	C13	C14	C15
Cooling capacity	Nom.			kW	602 (1) / 374 (2)	739 (1) / 468 (2)	821 (1) / 539 (2)	866 (1) / 562 (2)	981 (1) / 644 (2)	1,034 (1) / 670 (2)	1,229 (1) / 825 (2)	1,302 (1) / 866 (2)	1,374 (1) / 889 (2)	1,424 (1) / 909 (2)	1,476 (1) / 929 (2)
Power input	Cooling	Nom.		kW	263 (1) / 46.6 (2)	278 (1) / 56.2 (2)	299 (1) / 58.5 (2)	334 (1) / 63.1 (2)	368 (1) / 68.5 (2)	412 (1) / 74.4 (2)	403 (1) / 80.0 (2)	450 (1) / 87.5 (2)	466 (1) / 93.4 (2)	511 (1) / 103 (2)	556 (1) / 109 (2)
Capacity control	Method				Stepless										
	Minimum capacity			%	12.5										
EER					2.29 (1) / 12.91 (2)	2.66 (1) / 13.17 (2)	2.75 (1) / 14.04 (2)	2.59 (1) / 13.71 (2)	2.67 (1) / 14.33 (2)	2.51 (1) / 13.89 (2)	3.05 (1) / 15.36 (2)	2.90 (1) / 14.87 (2)	2.95 (1) / 14.7 (2)	2.79 (1) / 13.85 (2)	2.66 (1) / 13.56 (2)
ESEER					3.59	3.66	3.89	3.62	3.83	3.63	4.13	3.89	4.09	4.02	3.92
IPLV					4.09	4.15	4.16	4.20	4.10	4.08	4.42	4.37	4.42		4.28
Dimensions	Unit	HeightxWidthxDepth		mm	2,565x2,480 x6,300	2,565x2,480 x7,200	2,565x2,480x8,100		2,565x2,480 x9,000		2,565x2,480 x10,800				
Weight	Unit			kg	8,050	8,620	9,190		10,450	10,710	12,190		12,830	12,910	12,960
	Operation weight			kg	8,795	9,390	9,995		11,459	11,719	13,566		14,806	14,886	14,936
Water heat exchanger	Type				Single pass shell & tube										
	Water flow rate	Cooling	Nom.	l/s	26.2 (1) / 26.2 (2)	32.1 (1) / 32.1 (2)	35.7 (1) / 35.7 (2)	37.6 (1) / 37.6 (2)	42.6 (1) / 42.6 (2)	44.9 (1) / 44.9 (2)	53.4 (1) / 53.4 (2)	56.6 (1) / 56.6 (2)	59.7 (1) / 59.7 (2)	61.9 (1) / 61.9 (2)	64.1 (1) / 64.1 (2)
	Water pressure drop	Cooling	Nom.	kPa	76 (1) / 115 (2)	97 (1) / 159 (2)	84 (1) / 167 (2)	93 (1) / 184 (2)	102 (1) / 225 (2)	113 (1) / 248 (2)	92 (1) / 219 (2)	103 (1) / 243 (2)	128 (1) / 282 (2)	137 (1) / 301 (2)	146 (1) / 321 (2)
	Water volume			l	741	771	808		1,012		1,372		1,965		
Air heat exchanger	Type				High efficiency fin and tube type										
Compressor	Type				Asymm single screw										
	Quantity				2										
Fan	Type				Direct propeller										
	Quantity				10	12	14		16		20				
	Air flow rate	Nom.		l/s	38,935	46,722	54,508		62,295		73,011				
	Speed			rpm	715										
Sound power level	Cooling	Nom.		dBA	92.0				94.0		95.0				
Sound pressure level	Cooling	Nom.		dBA	71.0	72.0				73.0	72.0			73.0	
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20~45										
	Water side	Cooling	Min.~Max.	°CDB	-8~15										
Refrigerant	Type/GWP				R-134a/1,430										
	Circuits	Quantity			2										
Refrigerant charge	Per circuit			kg	64.0	73.0	81.0		91.0		107.0		112.5	124.0	
	Per circuit			TCO2Eq	91.5	104.4	115.8		130.1		153.0		160.9	177.3	
Piping connections	Evaporator water inlet/outlet (OD)				DN150PN16(168.3mm)				DN200PN16(219.1mm)				DN250PN16(273mm)		
Unit	Starting current	Max		A	598	611	648		912	960	1,016			1,059	1,072
	Running current	Cooling	Nom.	A	411	439	473	526	580	647	645	717	738	800	862
		Max		A	462	493	542	585	649	708	783	847		901	954
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										

(1)Cooling: entering evaporator water temp. 16°C; leaving evaporator water temp. 10°C; ambient air temp. 35°C; full load operation.
(2)Data is calculated at ambient air temperature 5°C, inlet water temperature 16°C.



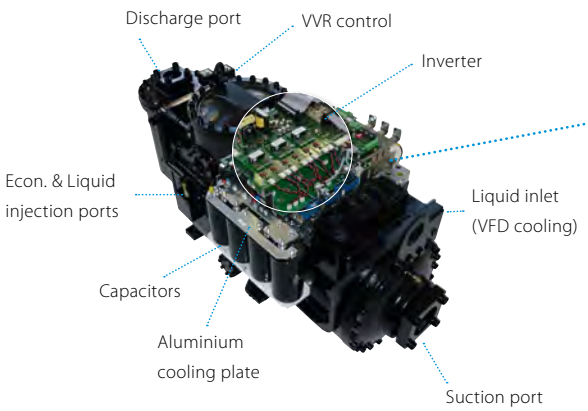
EWAD-TZB screw inverter chiller High efficiency in comfort and process cooling

Over 1,000 sites around the world with screw chillers installed is demonstrating that we will never stop developing the most advanced technology with highest quality level to offer the best chiller experience to our customers.

EWAD-TZB at a glance

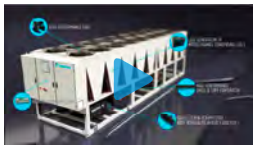
› Full inverter air cooled chiller
› Capacity range from 170 up to 1,100 kW
› Daikin single screw compressor with integrated inverter and variable volume ratio
› Best efficiency at full load and part load conditions





Check on YouTube
www.youtube.com/DaikinEurope

› Daikin EWAD-TZB Screw Inverter Chiller



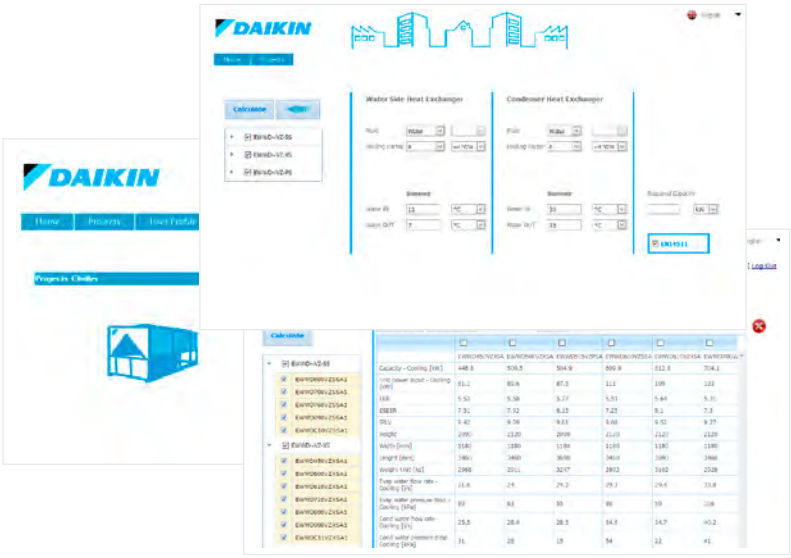
Web-based chiller selection software

A user-friendly interface allows users to quickly create new projects, open and change exisiting projects or simply do a quick selection.

Technical selection reports can be printed or downloaded in several formats.

To make life easier, the tool is accessible everywhere, via any device. No matter where you are, projects can be consulted.

Create now a new account on:
http://tools.daikinapplied.eu/



Why choose EWAD-TZB?

High efficiencies both at full load and part load: ESEER up to 5.5 & EER up to 3.6

› Daikin compressor with in-built inverter and Variable Volume Ratio (VVR) for optimized efficiency
› In-house developed software with dynamic condensing pressure management and innovative economizer control logic

Rapid return on investment

› Payback of three years, compared to a non-inverter unit for comfort cooling applications
› Less than one year a for process cooling applications

Perfect comfort level

› Infinitely variable load regulation
› Precise leaving water temperature control thanks to stepless regulation

Compact design

› More compact heat exchanger with superior efficiencies
› Reduced electrical panel dimensions thanks to the inverter compressor mounted

Lowest sound levels

› Down to 87 dB(A) sound power at full load and even lower at part load thanks to fans and compressors variable speed
› Quiet compressor thanks to special acoustic executions
› Unique Daikin fans design with reduced noise impact and vibrations

Unrivaled and proven reliability

› Extensive testing of chillers and components in laboratories, Daikin factories and selected job sites - even at extreme working conditions
› Reduced energy demand without compromising on reliability and performance

Extensive option list

More than 60 different options are available to fit the EWAD-TZ B chiller to fit to your requirements:
› Rapid restart after power failure
› Variable speed water pumps to optimise the working efficiency
› Total heat recovery: 80 to 85% of the total heat rejection of the chiller can be recovered
› Partial heat recovery: 15 to 20% of the total heat rejection of the chiller can be recovered
› Refrigerant leak detection

Air cooled screw inverter chiller, standard efficiency, standard/low sound

- Optimized energy efficiency both at full and part load conditions
- Inverter stepless single-screw compressor
- Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- Compact design for small footprint and minimized installation space
- Low operating sound levels are achieved by the latest compressor and fan design
- One or two truly independent refrigerant circuits for outstanding reliability

Cooling Only					EWAD-TZSSB/SLB	160	190	240	270	300	360	380	450	495	570	610	660	700	820	900	990	C10	C11
Space cooling	A Condition 35°C	Pdc		kW		169.1	200.88	235.3	268.82	305.99	351.41	394.74	455.64	499.81	569.52	612.22	660.72	700.94	815.92	889.95	987.19	1,045.39	1,103.99
	ηs,c			%		168.2	172.6	169.4	175.4	177	183	172.6	171.4	175	180.2	189.8	182.6	185.4	197.4	194.2	200.6	200.2	200.6
SEER						4.28	4.39	4.3	4.46	4.5	4.65	4.39	4.36	4.45	4.58	4.82	4.64	4.71	5.01	4.93	5.09	5.08	5.09
Cooling capacity	Nom.			kW		169.1	200.9	235.30	268.8	306	351.4	394.7	455.6	499.8	569.5	612.2	660.7	700.9	816	890	987	1,045	1,104
Power input	Cooling	Nom.		kW		56.48	69.9	83.0	89.94	108.6	118	139.4	163.8	174.6	198.1	217.6	239	249.1	257.9	296.1	321.3	346.4	366.2
Capacity control	Method					Variable																	
	Minimum capacity			%		37	31	34	29	25	24	16	17	16	14	13	12		10				
EER						2.995	2.874	2.835	2.989	2.817	2.954	2.832	2.783	2.862	2.876	2.813	2.764	2.813	3.164	3.005	3.072	3.017	3.015
ESEER						4.37	4.46	4.30	4.4	4.42	4.5	4.46	4.44	4.49	4.54	4.59	4.63	4.7	4.43		4.44		4.51
IPLV						5.3	5.27	5.04	5.19	5.37	5.53	5.34	5.3	5.46	5.64	5.62		5.7	5.29	5.26	5.25	5.26	5.27
Dimensions	Unit	Height		mm		2,483													2,482				
		Width		mm		2,258																	
		Depth		mm		2,283			3,183			4,083		4,983	5,883				6,783		7,783	8,820	9,591
Weight (SSB)	Unit			kg		2,066	2,091	2,149	2,375	2,422	2,771	4,044	4,060	4,317	4,603	4,780	4,804	5,074	6,282	6,382	6,777	7,132	7,410
	Operation weight			kg		2,086	2,117	2,187	2,401	2,460	2,821	4,202	4,224	4,475	4,761	5,050	5,059	5,329	6,532	6,632	7,027	7,382	7,660
Weight (SLB)	Unit			kg		2,081	2,106	2,164	2,390	2,437	2,786	4,074	4,090	4,347	4,633	4,810	4,834	5,104	6,282	6,382	6,777	7,132	7,410
	Operation weight			kg		2,101	2,132	2,202	2,416	2,475	2,836	4,232	4,254	4,505	4,791	5,080	5,089	5,359	6,532	6,382	7,027	7,382	7,660
Water heat exchanger	Type					Plate heat exchanger						Shell and tube											
	Water volume			l		20.25	26.1	37.35	26.1	37.35	49.5	158	164	158		270	255		283	485			453
	Water flow rate	Cooling	Nom.	l/s		8.1	9.6	11.2	12.9	14.6	16.8	18.9	21.8	23.9	27.3	29.3	31.6	33.5	39.1	42.6	47.2	50	52.8
	Water pressure drop	Cooling	Nom.	kPa		25	19.3	15.4	32.6	25.2	25.9		32.4	44	55.7	38.8	32.3	36	52.6	36.9	42.2	46.6	37.3
Air heat exchanger	Type					Microchannel																	
Compressor	Type					Driven vapour compression																	
	Quantity					1						2											
Fan	Type					Direct propeller																	
	Quantity					4			6			8		10	12				14		16	18	20
	Air flow rate	Nom.		l/s		15,109			22,664			30,219		37,774	45,328			52,883	69,177		79,060	88,942	98,825
	Speed			rpm		700													900				
Sound power level (SSB)	Cooling	Nom.		dBA		96.0			97.0	98.0		99.0			100.0	101.0	102.0	105.0	102.0			103.0	
Sound power level (SLB)	Cooling	Nom.		dBA		90.0	91.0		92.0	93.0		94.0			95.0	96.0	97.0		99.0			100.0	
Sound pressure level (SSB)	Cooling	Nom.		dBA		77.0				78.0		79.0			80.0		82.0	84.0	81.0				
Sound pressure level (SLB)	Cooling	Nom.		dBA		71.0	72.0			73.0		74.0				75.0	76.0	77.0	78.0				
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~47													-18~45				
	Water side	Cooling	Min.~Max.	°CDB		-8~18													-15~20				
Refrigerant	Type/GWP					R-134a/1,430.0																	
	Charge			kg		27	29	33	38	41	52	58	59	68	75	77	83	90	91		104	117	130
	Circuits	Quantity				1						2											
Refrigerant charge	Per circuit			TCO2Eq		38.6	41.5	47	54.3	58.6	74.4	41.5	42.2	48.6	53.6	55.1	59.3	64.4	65.1		74.4	83.7	93.0
Piping connections	Evaporator water inlet/outlet (OD)					3"			4"			5"				6"			168.3 mm		219.1mm		
Unit	Running	Cooling	Nom.	A		102	123	188	177	188	200	246	372	366	361	377	396	414	429	501	528	563	597
	current	Max		A		130	149	160	187	220	246	298	320	350	374	439	466	486	537	599	652	708	768
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																	

Air cooled screw inverter chiller, standard efficiency, reduced sound



EWAD-TZSSB/SLB/SRB

Microtech III

Cooling Only				EWAD-TZSRB	160	190	240	270	300	360	380	450	495	570	610	660	700	820	900	990	C10	C11
Space cooling	A Condition 35°C	Pdc		kW	169.1	200.88	235.29	268.82	305.99	351.41	394.01	454.57	499.14	568.6	610.43	658.99	699.87	799.95	894.94	956.14	1,013.27	1,067.02
	ηs,c			%	168.2	172.6	169.4	175.4	177	183	172.2	170.6	174.2	179.4	188.6	181.8	184.6	215	213.4	213.8	216.2	217.8
SEER					4.28	4.39	4.31	4.46	4.5	4.65	4.38	4.34	4.43	4.56	4.79	4.62	4.69	5.45	5.41	5.42	5.48	5.52
Cooling capacity	Nom.			kW	169.1	200.9	235.3	268.8	306	351.4	394	454.6	499.1	568.6	610.4	659	699.9	800	895	956	1,013	1,067
Power input	Cooling	Nom.		kW	56.48	69.9	82.99	89.94	108.6	118	140.2	164.8	175.4	199.1	218.4	240.3	250.3	247.8	294.1	316	335.6	358.9
Capacity control	Method				Variable																	
	Minimum capacity			%	37	31	34	29	25	24	16	17	16	14	13	12		10				
EER					2.995	2.874	2.835	2.989	2.817	2.954	2.81	2.759	2.846	2.856	2.795	2.742	2.796	3.229	3.043	3.016	3.018	2.973
ESEER					4.37	4.46	4.3	4.4	4.42	4.5	4.44	4.43	4.47	4.53	4.61	4.6	4.68	4.8		4.85	4.83	4.98
IPLV					5.3	5.27	5.04	5.19	5.37	5.53	5.3	5.26	5.43	5.6	5.61	5.6	5.67	5.92	5.74	5.77	5.75	5.86
Dimensions	Unit	Height		mm	2,483													2,482				
		Width		mm	2,258																	
		Depth		mm	2,283			3,183			4,083		4,983		5,883		6,783	7,783		8,820	9,591	10,461
Weight	Unit			kg	2,166	2,191	2,249	2,475	2,522	2,871	4,244	4,260	4,517	4,803	4,980	5,004	5,274	6,997	7,097	7,452	7,730	8,023
	Operation weight			kg	2,186	2,217	2,287	2,501	2,560	2,921	4,402	4,424	4,675	4,961	5,250	5,259	5,529	7,247	7,347	7,702	7,980	8,273
Water heat exchanger	Type				Plate heat exchanger										Shell and tube							
	Water volume			l	20.25	26.1	37.35	26.1	37.35	49.5	158	164	158		270	255		283	485			453
	Water flow rate	Cooling	Nom.	l/s	8.1	9.6	11.2	12.9	14.6	16.8	18.8	21.7	23.9	27.2	29.2	31.5	33.5	38.3	42.8	45.7	48.5	51
	Water pressure drop	Cooling	Nom.	kPa	25	19.3	15.4	32.6	25.2	25.9	25.8	32.2	43.9	55.5	38.6	32.2	35.9	52.1	36.3	41	45.6	36.3
Air heat exchanger	Type				Microchannel																	
Compressor	Type				Driven vapour compression																	
	Quantity				1						2											
Fan	Type				Direct propeller																	
	Quantity				4			6			8		10		12		14	16		18	20	22
	Air flow rate	Nom.		l/s	15,109			22,664		30,219	29,650		36,920		44,475		51,745	59,299		66,570	74,124	81,394
	Speed			rpm	700																	
Sound power level	Cooling	Nom.		dBA	86.0		87.0		88.0		90.0			91.0		92.0		94.0			95.0	
Sound pressure level	Cooling	Nom.		dBA	67.0		68.0		69.0		70.0					71.0		73.0				
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~47													-18~45				
	Water side	Cooling	Min.~Max.	°CDB	-8~18													-15~20				
Refrigerant	Type/GWP				R-134a/1,430																	
	Charge			kg	27	29	33	38	41	52	58	59	68	75	77	83	90	104		117	130	143
	Circuits	Quantity			1						2											
Refrigerant charge	Per circuit			TCO2Eq	38.6	41.5	47.2	54.3	58.6	74.4	41.5	42.2	48.6	53.6	55.1	59.3	64.4	74.4		83.7	93.0	102.2
Piping connections	Evaporator water inlet/outlet (OD)				3"			4"			5"				6"			168.3 mm	219.1mm			
Unit	Running	Cooling	Nom.	A	102	123	188	177	188	200	247	374	368	363	378	398	416	422	496	530	561	599
	current	Max		A	130	149	160	187	220	246	298	320	350	374	439	466	486	523	585	635	688	745
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																	

Air cooled screw inverter chiller, high efficiency, standard/low sound

- High energy efficiency both at full and part load conditions
- Inverter stepless single-screw compressor with DC electrical motor
- Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- Continuous fans speed modulation thanks to inverter driven fans to improve part load efficiency
- Compact design for small footprint and minimized installation space
- Low operating sound levels are achieved by the latest compressor and fan design
- One or two truly independent refrigerant circuits for outstanding reliability

Cooling Only					EWAD-TZXSB/XLB	190	220	240	290	320	360	420	450	540	570	610	660	680	770	850	910	C10	C11
Space cooling	A Condition 35°C	Pdc		kW		180.41	211.34	239.54	276.79	313.2	360.56	417.27	472.59	528.99	563.39	599.41	639.37	678.22	763.88	850.16	911.93	1,001.2	1,045.43
	ηs,c			%		195	198.6	195.4	203	202.6	195.4	198.2	199.8	201	198.6	203.8	206.2	205.4	228.6	226.6	233.4	243	237
SEER						4.95	5.04	4.96	5.15	5.14	4.96	5.03	5.07	5.1	5.04	5.17	5.23	5.21	5.79	5.74	5.91	6.15	6
Cooling capacity	Nom.			kW		180.4	211.3	239.5	276.8	313.2	360.6	417.3	472.6	529	563.4	599.4	639.4	678.2	764	850	912	1,001	1,045
Power input	Cooling	Nom.		kW		52.13	63.22	72.5	83.87	100.2	109.1	132.2	144.9	163.5	181.1	191.7	202.1	219.8	226.5	266.1	275.8	303.4	320.1
Capacity control	Method					Variable																	
	Minimum capacity			%		34	29	34	29	25	17	16	17	16	15	14	13		10				
EER						3.46	3.343	3.304	3.3	3.127	3.304	3.156	3.261	3.236	3.111	3.127	3.164	3.085	3.374	3.195	3.306	3.3	3.265
ESEER						5.11	5.06	4.99	5.09	5.13	5.14	5.09	5	5.07		5.11	5.15		5.09		5.13	5.15	5.22
IPLV						6.26	6.15	6.19	6.17		6.4	6.3	6.22		6.29	6.31	6.25	6.21	6.26	6.08	6.19	6.29	6.24
Dimensions	Unit	Height		mm		2,483													2,482				
		Width		mm		2,258																	
		Depth		mm		3,183			4,083		4,983			5,883		6,783	7,683		7,783		8,820	9,591	10,461
Weight (XSB)	Unit			kg		2,362	2,409	2,421	2,770		4,292		4,602	4,800		5,072	5,425		6,677	6,777	7,132	7,410	7,703
	Operation weight			kg		2,388	2,447	2,459	2,820		4,450		4,760	5,055		5,327	5,680		6,927	7,027	7,382	7,660	7,953
Weight (XLB)	Unit			kg		2,377	2,424	2,436	2,785		4,322		4,632	4,830		5,102	5,455		6,677	6,777	7,132	7,410	7,703
	Operation weight			kg		2,403	2,462	2,474	2,835		4,480		4,790	5,085		5,357	5,710		6,927	7,027	7,382	7,660	7,953
Water heat exchanger	Type					Plate heat exchanger					Shell and tube												
	Water volume			l		26.1	37.35		49.5		158			255					301	485			453
	Water flow rate	Cooling	Nom.	l/s		8.6	10.1	11.5	13.2	15	17.3	20	22.6	25.3	27	28.7	30.6	32.4	36.6	40.7	43.6	47.9	50
	Water pressure drop	Cooling	Nom.	kPa		16.4	13.2	16.2	17.1	21	34.3	31.2	39.7	36.7	41.1	27.1	30.5	33.3	40.5	33.5	37.5	42.4	34.3
Air heat exchanger	Type					Microchannel																	
Compressor	Type					Driven vapour compression																	
	Quantity					1					2												
Fan	Type					Direct propeller																	
	Quantity					6			8		10		12			14	16				18	20	22
	Air flow rate	Nom.		l/s		22,664			30,219		37,774		45,328			52,883	60,438				67,993	75,547	83,102
	Speed			rpm		700																	
Sound power level (XSB)	Cooling	Nom.		dBA		96.0	97.0	96.0	97.0	98.0	99.0				100.0		101.0						102.0
Sound power level (XLB)	Cooling	Nom.		dBA		91.0	92.0	91.0	92.0	93.0	94.0				95.0		96.0		97.0				
Sound pressure level (XSB)	Cooling	Nom.		dBA		77.0			78.0		79.0						80.0			79.0			
Sound pressure level (XLB)	Cooling	Nom.		dBA		72.0			73.0		74.0		73.0			74.0			75.0				
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~50																	
	Water side	Cooling	Min.~Max.	°CDB		-8~18													-15~20				
Refrigerant	Type/GWP					R-134a/1,430																	
	Charge			kg		36	39	40	51		64		74	80		89	96		104		117	130	143
	Circuits	Quantity				1					2												
Refrigerant charge	Per circuit			TCO2Eq		51.5	55.8	57.2	72.9		45.8		52.9	57.2		63.6	68.6		74.4		83.7	93.0	102.2
Piping connections	Evaporator water inlet/outlet (OD)					3"		4"			5"			6"					168.3 mm	219.1mm			
Unit	Running	Cooling	Nom.	A		110	113	186		192	225	231	371.0	383	392	390	387	395	394	451	469	500	537
	current	Max		A		130	149	166	198	225	256	292	333	358	385	417	450	478	508	562	590	640	694
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																	

Air cooled screw inverter chiller, high efficiency, reduced sound



EWAD-TZXSB/XLB/XRB MicroTech III

Cooling Only				EWAD-TZXRB	190	220	240	290	320	360	420	450	540	570	610	660	680	770	850	910	C10	C11
Space cooling	A Condition 35°C Pdc			kW	180.41	211.34	239.54	276.79	313.2	360.28	416.8	472.11	528.32	562.28	598.77	638.64	677.38	763.85	850.14	911.93	1,001.2	1,045.41
	ηs,c			%	195	198.6	195.4	203	202.6	194.6	198.2	199	200.2	198.2	202.6	205	204.6	229.8	229.4	233.4	244.2	237.8
SEER					4.95	5.04	4.96	5.15	5.14	4.94	5.03	5.05	5.08	5.03	5.14	5.2	5.19	5.82	5.81	5.91	6.18	6.02
Cooling capacity	Nom.			kW	180.4	211.3	239.5	276.8	313.2	360.3	416.8	472.1	528.3	562.3	598.8	638.6	677.4	764	850	912	1,001	1,045
Power input	Cooling	Nom.		kW	52.13	63.22	72.5	83.87	100.2	109.5	132.1	145.6	164.3	181.9	192.5	202	220.9	226.5	266.8	275.4	303.1	320.6
Capacity control	Method				Variable																	
	Minimum capacity			%	34	29	34	29	25	17	16	17	16	15	14	13		10				
EER					3.46	3.343	3.304	3.3	3.127	3.29	3.156	3.243	3.215	3.092	3.111	3.146	3.067	3.373	3.186	3.311	3.302	3.26
ESEER					5.11	5.06	4.99	5.09	5.13	5.12	5.09	4.99	5.04	5.05	5.13		5.07	5.09		5.13	5.15	5.22
IPLV					6.26	6.15	6.19	6.17		6.37	6.3	6.2		6.26	6.27	6.24	6.18	6.26	6.08	6.19	6.29	6.24
Dimensions	Unit	Height		mm	2,483													2,482				
		Width		mm	2,258																	
		Depth		mm	3,183			4,083		4,983		5,883			6,783	7,683		7,783		8,820	9,591	10,461
Weight	Unit			kg	2,462	2,509	2,521	2,870		4,492		4,802	5,000		5,272	5,625		6,997	7,097	7,452	7,730	8,023
	Operation weight			kg	2,488	2,547	2,559	2,920		4,650		4,960	5,255		5,527	5,880		7,247	7,347	7,702	7,980	8,273
Water heat exchanger	Type				Plate heat exchanger					Shell and tube												
	Water volume			l	26.1	37.35		49.5		158			255					301		485		453
	Water flow rate	Cooling	Nom.	l/s	8.6	10.1	11.5	13.2	15	17.2	19.9	22.6	25.3	26.9	28.6	30.5	32.4	36.6	40.7	43.6	47.9	50
	Water pressure drop	Cooling	Nom.	kPa	16.4	13.2	16.2	17.1	21	34.2	31.1	39.7	36.6	41	27.1	30.4	33.2	40.3	33.3	37.3	42.3	34.2
Air heat exchanger	Type				Microchannel																	
Compressor	Type				Driven vapour compression																	
	Quantity				1					2												
Fan	Type				Direct propeller																	
	Quantity				6			8		10		12			14	16			18		20	22
	Air flow rate	Nom.		l/s	22,664			30,219		36,920		44,475			51,745	59,299			66,570		74,124	81,394
	Speed			rpm	700																	
Sound power level	Cooling	Nom.		dBA	88.0			89.0		90.0		91.0				92.0		94.0		95.0		
Sound pressure level	Cooling	Nom.		dBA	68.0			69.0		70.0						71.0		73.0				
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~50																	
	Water side	Cooling	Min.~Max.	°CDB	-8~18													-15~20				
Refrigerant	Type/GWP				R-134a/1,430																	
	Charge			kg	36	39	40	51		64		74	80		89	96		104		117	130	143
	Circuits	Quantity			1					2												
Refrigerant charge	Per circuit			TCO2Eq	51.5	55.8	57.2	72.9		45.8		52.9	57.2		63.6	68.6		74.4		83.7	93.0	102.2
Piping connections	Evaporator water inlet/outlet (OD)				3"			4"		5"			6"					168.3 mm		219.1mm		
Unit	Running current	Cooling	Nom.	A	110	113		186	192	226	231	373.0	385	393	391	389	396	395	453	471	502	539
		Max		A	130	149	166	198	225	256	292	333	358	385	417	450	478	508	562	590	640	694
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																	

Air cooled screw inverter chiller, premium efficiency, standard/low sound

- Premium energy efficiency both at full and part load conditions
- Inverter stepless single-screw compressor with DC electrical motor
- Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- Continuous fans speed modulation with EC fans for even higher part load efficiency
- Compact design for small footprint and minimized installation space
- Low operating sound levels are achieved by the latest compressor and fan design
- One or two truly independent refrigerant circuits for outstanding reliability

Cooling Only				**EWAD-TZPSB/PLB**	**190**	**220**	**240**	**290**	**300**	**350**	**420**	**495**	**550**	**620**	**720**	**820**	**950**
Space cooling	A Condition 35°C	Pdc		kW	183.6	216.12	244.42	281.93	323.37	378.96	437.31	501.15	543.03	620	717	832.86	949.85
	ηs,c			%	204.6	210.2	208.6	209	217	207	211.4	221.8	219	241.4	245.8	249	249.4
SEER					5.2	5.33	5.29	5.3	5.5	5.25	5.36	5.62	5.55	6.11	6.22	6.3	6.31
Cooling capacity	Nom.			kW	183.60	216.1	244.4	281.9	323.4	379	437.3	501.2	543	620	717	833	950
Power input	Cooling	Nom.		kW	50.5	60.72	68.74	83.43	95.89	104.6	124.9	139.1	151.4	178.8	182.3	220.4	252.5
Capacity control	Method				Variable												
	Minimum capacity			%	34	29	34	29	27	19	20	17	10				
EER					3.637	3.559	3.555	3.379	3.372	3.623	3.502	3.603	3.586	3.468	3.933	3.78	3.763
ESEER					5.54	5.51	5.42	5.4	5.35	5.48		5.45	5.5	5.42	5.59	5.54	5.55
IPLV					6.49	6.35	6.41	6.35	6.21	6.52	6.58	6.55	6.51	6.47	6.73	6.6	6.64
Dimensions	Unit	Height		mm	2,483								2,482				
		Width		mm	2,258												
		Depth		mm	4,083				4,983	5,883	6,783		8,820	9,591		10,461	11,233
Weight (PSB)	Unit			kg	2,758	2,769	2,770	3,020	4,735	5,069	5,077		6,527	6,555	7,650	7,943	8,240
	Operation weight			kg	2,808	2,819	2,820	3,070	4,990	5,324	5,332		6,777	6,805	7,900	8,193	8,490
Weight (PLB)	Unit			kg	2,773	2,784	2,785	3,035	4,765	5,099	5,107		6,527	6,555	7,650	7,943	8,240
	Operation weight			kg	2,823	2,834	2,835	3,085	5,020	5,354	5,362		6,777	6,805	7,900	8,193	8,490
Water heat exchanger	Type				Plate heat exchanger					Shell and tube							
	Water volume			l	49.50					255			307		485		453
	Water flow rate	Cooling	Nom.	l/s	8.8	10.3	11.7	13.5	15.5	18.1	20.9	24	26	29.6	34.3	39.8	45.4
	Water pressure drop	Cooling	Nom.	kPa	10.6	11	13.4	17.1	21.5	20.4	26.5	33.3	19.8	25	24.2	31.7	29
Air heat exchanger	Type				Microchannel												
Compressor	Type				Driven vapour compression												
	Quantity				1					2							
Fan	Type				Direct propeller												
	Quantity				8				10	12	14	16	18	20		22	24
	Air flow rate	Nom.		l/s	29,610				37,013	44,415	51,818	59,220	66,623	74,025		81,428	88,830
	Speed			rpm	700												
Sound power level (PSB)	Cooling	Nom.		dBA	97.0				98.0	99.0		100.0	101.0				
Sound power level (PLB)	Cooling	Nom.		dBA	91.0	92.0	91.0	92.0		94.0			97.0				
Sound pressure level (PSB)	Cooling	Nom.		dBA	77.0					78.0	77.0	78.0	79.0				
Sound pressure level (PLB)	Cooling	Nom.		dBA	71.0	72.0	71.0	72.0		73.0	72.0	73.0	75.0				
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~52										-18~55		
	Water side	Cooling	Min.~Max.	°CDB	-8~18										-15~20		
Refrigerant	Type/GWP				R-134a/1,430												
	Charge			kg	49		50	51	58	77	86	94	105	114	130	143	156
	Circuits	Quantity			1					2							
Refrigerant charge	Per circuit			TCO2Eq	70.1		71.5	72.9	82.9	55.1	61.5	67.2	75.1	81.5	93.0	102.2	111.5
Piping connections	Evaporator water inlet/outlet (OD)				3"		4"			6"			168.3 mm		219.1mm		
Unit	Running current	Cooling	Nom.	A	101	104	172	177		208	211	346	258	298	316	375	424
		Max		A	126	144	162	188	218	246	285	324	352	436	437	512	577
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400												

Air cooled screw inverter chiller, premium efficiency, reduced sound



EWAD-TZPSB/PLB/PRB



MicroTech III

Cooling Only				EWAD-TZPRB	190	220	240	290	300	350	420	495	550	620	720	820	950
Space cooling	A Condition 35°C Pdc			kW	187.3	218.24	246.75	279.23	317.21	382.29	436.87	505.48	543.03	620.04	717	832.86	949.86
	ηs,c			%	208.6	212.2	210.6	207	212.2	208.2	210.2	221	218.2	219.8	248.6	249.4	251
SEER					5.29	5.38	5.34	5.25	5.38	5.28	5.33	5.6	5.53	5.57	6.29	6.31	6.35
Cooling capacity	Nom.			kW	187.3	218.2	246.8	279.2	317.2	382.3	436.9	505.5	543	620	717	833	950
Power input	Cooling	Nom.		kW	50.48	60.72	68.74	83.42	95.88	105.1	125.3	139.7	151.3	178.5	182.2	220.2	252.4
Capacity control	Method				Variable												
	Minimum capacity			%	34	29	34	29	27	19	20	17	10				
EER					3.71	3.594	3.59	3.347	3.308	3.637	3.486	3.618	3.59	3.473	3.935	3.783	3.764
ESEER					5.55	5.52	5.27	5.16	5.2	5.32	5.21	5.38	5.5	5.42	5.59	5.54	5.55
IPLV					6.49	6.35	6.23	6.07	6.04	6.3	6.27	6.47	6.53	6.47	6.73	6.6	6.64
Dimensions	Unit	Height		mm	2,483								2,482				
		Width		mm	2,258												
		Depth		mm	4,083				4,983	5,883	6,783		8,820	9,591		10,461	11,233
Weight	Unit			kg	2,858		2,869	2,870	3,120	4,935	5,269	5,277	6,677	6,705	7,970	8,263	8,560
	Operation weight			kg	2,908		2,919	2,920	3,170	5,190	5,524	5,532	6,927	6,955	8,220	8,513	8,810
Water heat exchanger	Type				Plate heat exchanger					Shell and tube							
	Water volume			l	49.5					255			307		485		453
	Water flow rate	Cooling	Nom.	l/s	9	10.4	11.8	13.3	15.2	18.3	20.9	24.2	26	29.6	34.3	39.8	45.4
	Water pressure drop	Cooling	Nom.	kPa	10.6	11	13.4	17.1	21.5	20.4	26.4	33.2	19.8	24.9	24.2	31.7	28.9
Air heat exchanger	Type				Microchannel												
Compressor	Type				Driven vapour compression												
	Quantity				1					2							
Fan	Type				Direct propeller												
	Quantity				8				10	12	14	16	18	20		22	24
	Air flow rate	Nom.		l/s	29,610				37,013	43,369	50,423	57,826	64,879	72,282		79,336	86,738
	Speed			rpm	700												
Sound power level	Cooling	Nom.		dBA	87.0	88.0	87.0	88.0		89.0	90.0		94.0	95.0			
Sound pressure level	Cooling	Nom.		dBA	67.0	68.0	67.0	68.0				69.0	73.0				
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~52										-18~55		
	Water side	Cooling	Min.~Max.	°CDB	-8~18										-15~20		
Refrigerant	Type/GWP				R-134a/1,430												
	Charge			kg	49		50	51	58	77	86	94	105	114	130	143	156
	Circuits	Quantity			1					2							
Refrigerant charge	Per circuit			TCO2Eq	70.1		71.5	72.9	82.9	55.1	61.5	67.2	75.1	81.5	93.0	102.2	111.5
Piping connections	Evaporator water inlet/outlet (OD)				3"		4"			6"			168.3 mm		219.1mm		
Unit	Running current	Cooling	Nom.	A	101	104	172	177		209	212	347	259	300	317	377	426
		Max		A	126	144	162	188	218	246	285	324	352	436	437	512	577
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400												

Air cooled screw inverter chiller, standard efficiency, standard/low sound

› Optimized energy efficiency both at full and part load conditions
› Inverter stepless single-screw compressor
› Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
› HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
› Low operating sound levels are achieved by the latest compressor and fan design
› One or two truly independent refrigerant circuits for outstanding reliability
› Compact design for small footprint and minimized installation space

Cooling Only				EWAH-TZSSB/SLB	170	200	240	290	330	390	420	490	530	600	690	750	820	920	980	C10
Space cooling	A Condition 35°C	Pdc		kW	170.68	199.73	240.35	293.87	326.19	393.7	421.46	490.52	528.28	598.77	689.86	746.17	820.93	914.93	982.38	1,063.28
	ηs,c			%	166.8	169.44	179.68	186.68	180.56	181.08	180.56	187.04	186.72	190.68	195.04	197.24	206.92	208.12	205.24	202.2
SEER					4.245	4.311	4.567	4.742	4.589	4.602	4.589	4.751	4.743	4.842	4.951	5.006	5.248	5.278	5.206	5.13
Cooling capacity	Nom.			kW	171	200	240	294	326	394	421	491	528	599	690	746	821	915	982	1,063
Power input	Cooling	Nom.		kW	55.4	69.4	83.3	97.5	115	131	146	170	188	212	244	259	280	321	341	378
Capacity control	Method				Variable															
	Minimum capacity			%	33.4	28.6	23.6	18.7		14.3	13.4	11.8	11.2	10						
EER					3.08	2.88	2.89	3.02	2.82	2.99	2.88		2.8	2.82		2.87	2.93	2.85	2.88	2.81
ESEER					4.45	4.52	4.75		4.56	4.55	4.51	4.6	4.57	4.74	4.7	4.91	4.85	4.83	4.81	4.99
IPLV					5.19	5.22	5.5	5.73	5.52	5.18	5.16	5.4	5.31	5.41	5.66	5.62	5.72	5.7	5.81	5.86
Dimensions	Unit	Height		mm	2,537															
		Width		mm	2,258															
		Depth		mm	2,283			3,183		4,983		5,883		6,783		7,776		8,676	9,576	
Weight	Unit			kg	2,160.6	2,170.6	2,449.4	2,559.4		4,170.2		4,634		5,619		6,820.8	6,942.8	7,262.2	7,553	
	Operation weight			kg	2,186.7	2,207.95	2,486.75	2,608.9		4,329.2	4,323.2	4,890	4,867	5,867	5,920	7,316.8	7,438.8	7,758.2	8,038	8,006
Water heat exchanger	Type				Plate heat exchanger					Shell and tube										
	Water volume			l	26	37		50		159	153	256	233	248	301	496			485	453
	Water flow rate	Cooling	Nom.	l/s	8.2	9.5	11.5	14	15.6	18.8	20.1	23.4	25.2	28.6	33	35.6	39.2	43.7	47	50.8
	Water pressure drop	Cooling	Nom.	kPa	15.1	12.3	17.1	18.2	22	24.4	31.6	33.8	31.1	27.8	34.4	26.3	31.2	38	45.7	34.7
Air heat exchanger	Type				Microchannel															
Compressor	Type				Driven vapour compression															
	Quantity				1					2										
Fan	Type				Direct propeller															
	Quantity				4		6			10		12			14	16		18	20	
	Air flow rate	Nom.		l/s	17,448		26,172			43,620		52,344			61,068	69,792		78,516	87,240	
	Speed			rpm	760															
Sound power level (SSB)	Cooling	Nom.		dBA	97.07	97.53	100.19	101.14		100.59	101.02	103.19	105.6	104.14	104.17	104.19	105.02	106.46	107.18	107.89
Sound power level (SLB)					91.73	92.13	94.69	96,44		95.32	97.69		99.9	99.44	99.51	99.57	99.46	100.8	101.49	102.16
Sound pressure level (SSB)	Cooling	Nom.		dBA	78.10	78.60	80.7	81.70		80.2	80.60	82.40	84.8	83.40	83.00	82.7	83.50	84.70	85.1	85.80
Sound pressure level (SLB)					72.78	73.17	75.2	76.96		74.94	75.31	76.92	79.12	78.67	78.39	78.08	77.97	79.01	79.41	80.08
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~50															
	Water side	Cooling	Min.~Max.	°CDB	-8~18															
Refrigerant	Type/GWP				R-1234(ze)/7															
	Charge			kg	27.6		41.4			64.2		78		102		116.8		131.2	146	
	Circuits	Quantity			1					2										
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm		114.3mm			139.7mm		168.3mm				219.1mm				
Unit	Running	Cooling	Nom.	A	93.0	114.0	137.0	158.0	191.0	217.0	243.0	279.0	307.0	343.0	403.0	426.0	457.0	517.0	546.0	602.0
	current	Max		A	132.0	156.0	217.0	236.0	272.0	312.0	348.0	434.0	500.0	522.0	606.0	690.0	589.0	661.0	706.0	754.0
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400															

Air cooled screw inverter chiller, standard efficiency, reduced sound



EWAH-TZSSB/SLB/SRB



Microtech III

Cooling Only				EWAH-TZSRB	170	200	240	290	330	390	420	490	530	600	690	750	820	920	980	C10
Space cooling	A Condition 35°C	Pdc		kW	170.68	199.73	240.35	293.87	326.19	393.39	421.08	489.94	527.57	597.68	688.98	744.94	819.15	913.23	980.27	1,060.24
	ηs,c			%	166.8	169.44	179.68	186.68	180.56	180.04	181.36	187.4	185.56	189.6	194.04	195.92	204	206.92	203.36	201.2
SEER					4.245	4.311	4.567	4.742	4.589	4.576	4.609	4.76	4.714	4.815	4.926	4.973	5.175	5.248	5.159	5.105
Cooling capacity	Nom.			kW	171	200	240	294	326	393	421	490	528	598	689	745	819	913	980	1,060
Power input	Cooling	Nom.		kW	55.4	69.4	83.3	97.5	115	132	146	171	189	214	245	261	281	323	343	380
Capacity control	Method				Variable															
	Minimum capacity			%	33.4	28.6	23.6	18.7		14.3	13.4	11.8	11.2	10			10.8	10		
EER					3.08	2.88	2.89	3.02	2.82	2.98	2.87	2.86	2.78	2.79	2.8	2.85	2.91	2.83	2.86	2.79
ESEER					4.45	4.52	4.75		4.56	4.52	4.49	4.58	4.55	4.71	4.67	4.89	4.83	4.81	4.83	4.97
IPLV					5.19	5.22	5.5	5.73	5.52	5.13	5.22	5.38	5.29	5.38	5.62	5.6	5.69	5.66	5.79	5.83
Dimensions	Unit	Height		mm	2,537															
		Width		mm	2,258															
		Depth		mm	2,283			3,183		4,983		5,883		6,783		7,776		8,676	9,576	
Weight	Unit			kg	2,260.6	2,270.6	2,549.4	2,719.4		4,370.2		4,834		5,939		7,140.8	7,262.8	7,582.2	7,873	
	Operation weight			kg	2,286.7	2,307.95	2,586.75	2,768.9		4,529.2	4,523.2	5,090	5,067	6,187	6,240	7,636.8	7,758.8	8,078.2	8,358	8,326
Water heat exchanger	Type				Plate heat exchanger					Shell and tube										
	Water volume			l	26	37		50		159	153	256	233	248	301	496			485	453
	Water flow rate	Cooling	Nom.	l/s	8.2	9.5	11.5	14	15.6	18.8	20.1	23.4	25.2	28.6	32.9	35.6	39.1	43.6	46.9	50.7
	Water pressure drop	Cooling	Nom.	kPa	15.1	12.3	17.1	18.2	22	24.4	31.6	33.7	31	27.7	34.3	26.2	31.1	37.8	45.5	34.5
Air heat exchanger	Type				Microchannel															
Compressor	Type				Driven vapour compression															
	Quantity				1					2										
Fan	Type				Direct propeller															
	Quantity				4		6			10		12			14	16		18	20	
	Air flow rate	Nom.		l/s	17,448		26,172			42,600		51,324			59,709	68,433		76,817	85,541	
	Speed			rpm	760															
Sound power level	Cooling	Nom.		dBA	87.67	87.93	90.25	92.27		91.42	91.65	93.25	94.9	95.27	95.46	95.6	94.85	95.96	96.53	97.07
Sound pressure level	Cooling	Nom.		dBA	68.70	69.00	70.80	72.80		71.00	71.30	72.50	74.10	74.5	74.30	74.10	73.40	74.20	74.50	75.00
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~50															
	Water side	Cooling	Min.~Max.	°CDB	-8~18															
Refrigerant	Type/GWP				R-1234(ze)/7															
	Charge			kg	27.6		41.4			64.2		78		102		116.8		131.2	146	
	Circuits	Quantity			1					2										
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm		114.3mm			139.7mm		168.3mm				219.1mm				
Unit	Running	Cooling	Nom.	A	93.0	114.0	137.0	158.0	191.0	218.0	244.0	281.0	309.0	345.0	405.0	429.0	459.0	519.0	549.0	604.0
	current	Max		A	132.0	156.0	217.0	236.0	272.0	312.0	348.0	434.0	500.0	522.0	606.0	690.0	589.0	661.0	706.0	754.0
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400															

Air cooled screw inverter chiller, high efficiency, standard/low sound

- High energy efficiency both at full and part load conditions
- Inverter stepless single-screw compressor with DC electrical motor
- Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- Compact design for small footprint and minimized installation space
- Low operating sound levels are achieved by the latest compressor and fan design
- One or two truly independent refrigerant circuits for outstanding reliability
- Continuous fans speed modulation thanks to inverter driven fans to improve part load efficiency

Cooling Only				**EWAH-TZXSB/XLB**	**180**	**220**	**270**	**300**	**350**	**390**	**430**	**480**	**580**	**620**	**670**	**710**	**760**	**820**	**930**	**990**
Space cooling	A Condition 35°C	Pdc		kW	180.38	224.67	270.66	300.22	355	392	427.64	481.86	574.38	619.88	672.62	713.55	759.36	825.01	925.8	988.46
	ηs,c			%	188.68	195.84	194.04	203.08	196.16	196.4	203.28	206.2	214.96	217.88	216.48	220.72	226.8	227.72	227.88	223.6
SEER					4.792	4.971	4.926	5.152	4.979	4.985	5.157	5.23	5.449	5.522	5.487	5.593	5.745	5.768	5.772	5.665
Cooling capacity	Nom.			kW	180	225	271	300	355	392	428	482	574	620	673	714	759	825	926	988
Power input	Cooling	Nom.		kW	51.8	66.3	79	89.6	103	114	125	144	164	181	194	209	224	243	274	307
Capacity control	Method				Variable															
	Minimum capacity			%	33.4	26.7	21.6	18.7	16.7	15.4	14.3	12.5	10.8	10				11.7	10	
EER					3.49	3.39	3.43	3.35	3.44	3.42		3.33	3.5	3.41	3.45	3.4	3.38	3.39	3.37	3.22
ESEER					5.14	5.21	4.95	5.16	4.94	4.95	5.06	5.05		5.08	4.96	5.13	5.23	5.26	5.32	5.08
IPLV					6.05	6.09	5.92	6.2	5.8	5.81	5.9	6	6.01	6.2	5.99	6.21	6.43	6.32	6.37	6.27
Dimensions	Unit	Height		mm	2,537															
		Width		mm	2,258															
		Depth		mm	3,183	4,083	3,183	4,083	5,883		6,783	7,776	6,783	7,683		8,583	9,483	10,383	11,283	
Weight	Unit			kg	2,447	2,813	2,557	2,923	4,445.2	4,629.2	5,004.6	5,748.6	5,720	6,364.8		7,140.2	7,431	7,879	8,178.2	
	Operation weight			kg	2,484.35	2,862.5	2,606.5	2,972.5	4,598.2	4,870.2	5,237.6	5,981.6	6,021	6,656.8	6,647.8	7,625.2	7,884	8,343	8,631.2	
Water heat exchanger	Type				Plate heat exchanger				Shell and tube											
	Water volume			l	37	50			153	241	233		301	292	283	485	453	464	453	
	Water flow rate	Cooling	Nom.	l/s	8.6	10.7	12.9	14.3	17	18.7	20.4	23	27.4	29.6	32.2	34.1	36.3	39.4	44.2	47.3
	Water pressure drop	Cooling	Nom.	kPa	10.2	11.2	15.7	18.9	23.2	16.7	34.2	26.3	24.7	31.1	39.8	25.6	57	40.5	27	56.2
Air heat exchanger	Type				Microchannel															
Compressor	Type				Driven vapour compressor															
	Quantity				1				2											
Fan	Type				Direct propeller															
	Quantity				6	8	6	8	12		14	16	14	16		18	20	22	24	
	Air flow rate	Nom.		l/s	26,172	34,896	26,172	34,896	52,344		61,068	69,792	61,068	69,792		78,516	87,240	95,964	104,688	
	Speed			rpm	760															
Sound power level (XSB)	Cooling	Nom.		dBA	97.19	98.16	101.14	96.57	100.19	100.4	100.7	101.94	99.44	104.19		104.21	104.22	104.34	105.79	106.49
Sound power level (XLB)					92.14	93.15	96.44	96.57	95.14	95.3	95.68	96.78	99.44	99.57		99.63	99.65	98.92	100.3	100.93
Sound pressure level (XSB)	Cooling	Nom.		dBA	77.7	78.20	81.70	76.60	79.40	79.60		80.40	78.70	82.70		82.40	82.20	82.3	83.20	83.90
Sound pressure level (XLB)					72.65	73.19	76.96	76.62	74.36	74.53	74.55	75.29	78.67	78.12		77.86	77.6	76.87	77.73	78.36
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55															
	Water side	Cooling	Min.~Max.	°CDB	-8~18															
Refrigerant	Type/GWP				R-1234(ze)/7															
	Charge			kg	39	52	39	52	73.2		84.6	97.6	102	116.8		131.2	146	160	175.2	
	Circuits	Quantity			1				2											
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm	114.3mm			139.7mm	168.3mm						219.1mm				
Unit	Running	Cooling	Nom.	A	88.5	113.05	131.55	147.5	176.4	193.47	208.66	243.65	272.5	298.67	327.94	351.57	371.7	400.97	448.69	494.78
	current	Max		A	134	173	190	233	266	286	311	372	403	465	483	534	597	568	619	670
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400															

Air cooled screw inverter chiller, high efficiency, reduced sound



EWAH-TZXSB/XLB/XRB

Microtech III

Cooling Only				EWAH-TZXRB	180	220	270	300	350	390	430	480	580	620	670	710	760	820	930	990
Space cooling	A Condition 35°C	Pdc		kW	180.38	224.67	270.66	300.22	354.75	391.7	427.42	481.53	573.98	619.32	671.95	712.95	758.61	824.24	924.69	987.05
	ηs,c			%	188.68	195.84	194.04	203.08	195.44	195.76	202.72	205.68	213.64	217.16	215.52	219.4	226.04	226.28	227.08	222.8
SEER					4.792	4.971	4.926	5.152	4.961	4.969	5.143	5.217	5.416	5.504	5.463	5.56	5.726	5.732	5.752	5.645
Cooling capacity	Nom.			kW	180	225	271	300	355	392	427	482	574	619	672	713	759	824	925	987
Power input	Cooling	Nom.		kW	51.8	66.3	79	89.6	103	115	125	145	164	182	195	210	225	244	275	308
Capacity control	Method				Variable															
	Minimum capacity			%	33.4	26.7	21.6	18.7	16.7	15.4	14.3	12.5	10.8	10				11.7	10	
EER					3.49	3.39	3.43	3.35	3.42	3.41		3.32	3.48	3.39	3.44	3.39	3.36	3.38	3.36	3.2
ESEER					5.14	5.21	4.95	5.16	4.93	4.94	5.03		5.02	5.06	4.95	5.09	5.21	5.24	5.31	5.07
IPLV					6.05	6.09	5.92	6.2	5.78	5.77	5.88	5.97	5.98	6.17	5.96	6.16	6.41	6.33	6.34	6.24
Dimensions	Unit	Height		mm	2,537															
		Width		mm	2,258															
		Depth		mm	3,183	4,083	3,183	4,083	5,883		6,783	7,776	6,783	7,683		8,583	9,483	10,383	11,283	
Weight	Unit			kg	2,547	2,913	2,717	3,083	4,645.2	4,829.2	5,204.6	5,948.6	6,040	6,684.8		7,460.2	7,751	8,199	8,498.2	
	Operation weight			kg	2,584.35	2,962.5	2,766.5	3,132.5	4,798.2	5,070.2	5,437.6	6,181.6	6,341	6,976.8	6,967.8	7,945.2	8,204	8,663	8,951.2	
Water heat exchanger	Type				Plate heat exchanger				Shell and tube											
	Water volume			l	37	50			153	241	233		301	292	283	485	453	464	453	
	Water flow rate	Cooling	Nom.	l/s	8.6	10.7	12.9	14.3	16.9	18.7	20.4	23	27.4	29.6	32.1	34.1	36.3	39.4	44.2	47.2
	Water pressure drop	Cooling	Nom.	kPa	10.2	11.2	15.7	18.9	23.2	16.6	34.1	26.3	24.7	31.1	39.7	25.6	56.9	40.4	26.9	56
Air heat exchanger	Type				Microchannel															
Compressor	Type				Driven vapour compressor															
	Quantity				1				2											
Fan	Type				Direct propeller															
	Quantity				6	8	6	8	12		14	16	14	16		18	20	22	24	
	Air flow rate	Nom.		l/s	26,172	34,896	26,172	34,896	51,324		59,709	68,433	59,709	68,433		76,817	85,541	93,925	102,649	
	Speed			rpm	760															
Sound power level	Cooling	Nom.		dBA	88.63	89.73	92.27	92.6	91.63	91.73	92.25	93.09	95.27	95.6		95.73	95.8	94.66	95.89	96.34
Sound pressure level	Cooling	Nom.		dBA	69.20	69.80	72.80	72.60	70.90	71.00	71.10	71.6	74.5	74.20		74.00	73.80	72.60	73.30	73.80
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55															
	Water side	Cooling	Min.~Max.	°CDB	-8~18															
Refrigerant	Type/GWP				R-1234(ze)/7															
	Charge			kg	39	52	39	52	73.2		84.6	97.6	102	116.8		131.2	146	160	175.2	
	Circuits	Quantity			1				2											
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm	114.3mm			139.7mm	168.3mm						219.1mm				
Unit	Running	Cooling	Nom.	A	88.5	113.05	131.55	147.5	176.9	194.09	209.13	244.41	273.41	299.81	329.23	352.76	373.1	402.29	450.27	496.57
	current	Max		A	134	173	190	233	266	286	311	372	403	465	483	534	597	568	619	670
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400															

Air cooled screw inverter chiller, premium efficiency, standard/low sound

- Premium energy efficiency both at full and part load conditions
- Inverter stepless single-screw compressor with DC electrical motor
- Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- Compact design for small footprint and minimized installation space
- Low operating sound levels are achieved by the latest compressor and fan design
- One or two truly independent refrigerant circuits for outstanding reliability
- Continuous fans speed modulation with EC fans for even higher part load efficiency

Cooling Only				**EWAH-TZPSB/PLB**	**370**	**440**	**530**	**610**	**690**	**770**
Space cooling	A Condition 35°C	Pdc		kW	371.15	435.24	532.06	606.43	692.3	778.66
	ηs,c			%	206.56	213.68	220.48	224.96	231.2	232.04
SEER					5.239	5.417	5.587	5.699	5.855	5.876
Cooling capacity	Nom.			kW	371	435	532	606	692	779
Power input	Cooling	Nom.		kW	102	121	137	163	186	217
Capacity control	Method				Variable					
	Minimum capacity			%	16.7	14.3	11.7	10		12.8
EER					3.62	3.58	3.86	3.7	3.72	3.58
ESEER					5.18	5.46	5.23	5.34		5.54
IPLV					6.15	6.35	6.36	6.35	6.48	6.63
Dimensions	Unit	Height		mm	2,537					
		Width		mm	2,258					
		Depth		mm	7,683	9,483	7,683	8,583	9,483	11,283
Weight	Unit			kg	5,741.4	6,722	6,364.8	7,140.2	7,804.4	8,208.2
	Operation weight			kg	5,982.4	7,023	6,656.8	7,636.2	8,289.4	8,661.2
Water heat exchanger	Type				Shell and tube					
	Water volume			l	241	301	292	496	485	453
	Water flow rate	Cooling	Nom.	l/s	17.7	20.8	25.4	29	33.1	37.2
	Water pressure drop	Cooling	Nom.	kPa	24.4	15	15.3	18	24.3	19.7
Air heat exchanger	Type				Microchannel					
Compressor	Type				Driven vapour compression					
	Quantity				2					
Fan	Type				Direct propeller					
	Quantity				16	20	16	18	22	24
	Air flow rate	Nom.		l/s	251,251.0	314,064	251,251.0	282,658.0	345,470.0	376,877.0
	Speed			rpm	760					
Sound power level (PSB)	Cooling	Nom.		dBA	100.3	100.8	103.24	104.21	104.24	103.7
Sound power level (PLB)	Cooling	Nom.		dBA	95.48	96	98.71	99.63	99.73	98.5
Sound pressure level (PSB)	Cooling	Nom.		dBA	78.80		81.80	82.40	82.2	81.10
Sound pressure level (PLB)	Cooling	Nom.		dBA	74.03	73.96	77.25	77.86	77.68	75.93
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55					
	Water side	Cooling	Min.~Max.	°CDB	-8~18					
Refrigerant	Type/GWP				R-1234(ze)/7					
	Circuits	Quantity			2					
Refrigerant circuit	Charge			kg	90.4	113	116.8	131.2	160.4	175.2
Refrigerant charge	Per circuit			kg	316.4	395.5	408.8	459.2	561.4	613.2
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm			219.1mm		
Unit	Running	Cooling	Nom.	A	175.85	205.4	233.82	272.98	316.97	364.19
	current	Max		A	272	319	350	424	491	536
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400					

Air cooled screw inverter chiller, premium efficiency, reduced sound



EWAH-TZPSB/PLB/PRB



Microtech III

Cooling Only					EWAH-TZPRB	370	440	530	610	690	770
Space cooling	A Condition 35°C	Pdc		kW		370.96	435.06	531.76	606.09	691.95	778.03
	ηs,c			%		206.04	213.28	219.28	223.8	229.96	231.24
SEER						5.226	5.407	5.557	5.67	5.824	5.856
Cooling capacity	Nom.			kW		371	435	532	606	692	778
Power input	Cooling	Nom.		kW		102	122	138	164	186	218
Capacity control	Method					Variable					
	Minimum capacity			%		16.7	14.3	11.7	10		12.8
EER						3.61	3.57	3.84	3.69	3.7	3.57
ESEER						5.17	5.44	5.22	5.31		5.53
IPLV						6.12	6.32			6.42	6.59
Dimensions	Unit	Height		mm		2,537					
		Width		mm		2,258					
		Depth		mm		7,683	9,483	7,683	8,583	9,483	11,283
Weight	Unit			kg		5,941.4	6,922	6,684.8	7,460.2	8,124.4	8,528.2
	Operation weight			kg		6,182.4	7,223	6,976.8	7,956.2	8,609.4	8,981.2
Water heat exchanger	Type					Shell and tube					
	Water volume			l		241	301	292	496	485	453
	Water flow rate	Cooling	Nom.	l/s		17.7	20.8	25.4	28.9	33	37.1
	Water pressure drop	Cooling	Nom.	kPa		24.4	14.9	15.3	18	24.2	19.7
Air heat exchanger	Type					Microchannel					
Compressor	Type					Driven vapour compression					
	Quantity					2					
Fan	Type					Direct propeller					
	Quantity					16	20	16	18	22	24
	Air flow rate	Nom.		l/s		246,359.0	307,948.0	246,359.0	276,541.0	338,130	369,536.0
	Speed			rpm		760					
Sound power level	Cooling	Nom.		dBA		92.37	92.94	94.94	95.73	95.97	94.72
Sound pressure level	Cooling	Nom.		dBA		70.90		73.50	74.00	73.90	72.20
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~55					
	Water side	Cooling	Min.~Max.	°CDB		-8~18					
Refrigerant	Type/GWP					R-1234(ze)/7					
	Circuits	Quantity				2					
Refrigerant circuit	Charge			kg		90.4	113	116.8	131.2	160.4	175.2
Refrigerant charge	Per circuit			kg		316.4	395.5	408.8	459.2	561.4	613.2
Piping connections	Evaporator water inlet/outlet (OD)					168.3mm			219.1mm		
Unit	Running	Cooling	Nom.	A		176.22	205.83	234.54	273.8	317.85	365.38
	current	Max		A		272	319	350	424	491	536
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400					

Air cooled screw chiller, standard efficiency, standard/low sound

- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Advanced compressor and fans design that operate at very low sound levels
- 2 or 3 independent refrigerant circuits for outstanding reliability and maximum safety for maintenance
- Extremely wide range from 290kW to over 2 MW
- Optimised for use with R-134a
- Large operation range (ambient temperature down to -18°C)
- Units with stepless regulation offer the benefit of following the system energy demand at any time with high efficiency if compared to the units with step regulation. Each unit has infinitely variable capacity control from 100% down to 12,5%
- The Microchannel technology maximizes the heat exchange ensuring the highest performance with the minimum surface for the exchanger and a reduced quantity of refrigerant compared to Cu/Al condenser.
- MicroTech III controller with superior control logic and easy interface

Cooling Only					EWAD-T-SSB/SLB	290	330	370	510	520	580	700	800	940	C10	H10	C11	H12	H13	H14
Space cooling	A Condition 35°C	Pdc		kW		290.7	334.5	373.4	505.8	522.7	575.8	701.3	809.9	936.3	999.7	1,051.0	1,135.0	1,268.0	1,352.0	1,456.0
	ηs,c			%		149.5		149.6	161.6	161.1	164.6	161.9	161.7	161.3	161.6	162.1	161.9	161.5	162.1	161.7
SEER						3.8			4.1		4.2					4.1				
Cooling capacity	Nom.			kW		290.7	334.5	373.4	505.8	522.7	575.8	701.3	809.9	936.3	999.7	1,051	1,135	1,268	1,352	1,456
Power input	Cooling	Nom.		kW		92.73	111.6	120.8	166.6	171	189.6	234.1	266.1	308.3	340.7	362.4	387.9	438.8	464.4	490.7
Capacity control	Method					Fixed														
	Minimum capacity			%		12.5														
EER						3.135	2.996	3.09	3.037	3.057	3.036	2.996	3.043	3.037	2.934	2.903	2.928	2.89	2.913	2.969
ESEER						3.86	3.73	3.74	3.87	3.95	4.05	3.87	3.89	3.82	3.89	3.74	3.77		3.79	3.8
IPLV						4.48	4.38	4.37	4.83	5.38	5.49	4.93	4.55	4.69	4.61	4.41	4.46		4.5	4.53
Dimensions	Unit	Height		mm		2,537														
		Width		mm		2,258						2,282								
		Depth		mm		3,230		4,130		5,030		5,976		6,876			7,776		8,676	9,576
Weight	Unit			kg		3,061		4,104	4,724	4,860		5,527	5,525	5,858		6,229	6,520	6,780	8,084	8,426
	Operation weight			kg		3,161		4,274	4,894	5,030		5,825		6,188		6,710	6,981	7,272	8,554	8,887
Water heat exchanger	Type					Shell and tube														
	Water volume			l		89		181	164	170	164	298	300	330		481	461	492	470	461
	Water flow rate	Cooling	Nom.	l/s		13.9	16	17.9	24.2	25	27.6	33.6	38.7	44.8	47.8	50.3	54.3	60.7	64.7	69.8
	Water pressure drop	Cooling	Nom.	kPa		28.5	31.1	42	30.5	43.6	60.4	51.4	32.4	39.5	44.7	41.6	32.7	34.2	44.5	61.3
Air heat exchanger	Type					Microchannel														
Compressor	Type					Driven vapour compression														
	Quantity					2														
Fan	Type					Direct propeller, on/off fans														
	Quantity					6		8		10		12		14			16		18	20
	Air flow rate	Nom.		l/s		33,129		44,172		55,214		66,257		77,300			88,343		99,386	110,429
	Speed			rpm		900														
Sound power level (SSB)	Cooling	Nom.		dBA		98	98		101						102				103	
Sound power level (SLB)	Cooling	Nom.		dBA		98	94	95	97			96		97	98	97	98			
Sound pressure level (SSB)	Cooling	Nom.		dBA		78			81			83		84						
Sound pressure level (SLB)	Cooling	Nom.		dBA		78	74	75	77			79		80			79			
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~50														
	Water side	Cooling	Min.~Max.	°CDB		-8~18														
Refrigerant	Type/GWP					R-134a/1,430														
	Charge			kg		50		55	58	66	67	93.6		109.2			124.8		140.4	156
	Circuits	Quantity				2														
Refrigerant charge	Per circuit			TCO2Eq		35.75		39.32	41.47	47.19	47.90	66.92		78.08			89.23		100.39	111.54
Piping connections	Evaporator water inlet/outlet (OD)					114.3		139.7				6"				8"				
Unit	Starting current	Max		A		253	264	306	470	493		574	645	697	705	773	797	877	925	933
	Running current	Cooling	Nom.	A		76.76	94.25	195.63	144.71	148.11	171.97	370.76	422.34	486.54	534.13	572.46	610	692.46	727.9	763.34
		Max		A		211	242	272	345	373	395	492	536	621	675	709	768	838	897	956
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400														

Air cooled screw chiller, standard efficiency, reduced sound



EWAD-TSSB/SLB/SRB



MicroTech III

Cooling Only					EWAD-T-SRB	700	800	940	C10	H10	C11	H12	H13	H14
Space cooling	A Condition 35°C	Pdc		kW		684.7	786.9	909.0	967.5	1,014.0	1,099.0	1,216.0	1,302.0	1,408.0
	ηs,c			%		161.3	161.1	161.0	161.2	161.3	161.1		161.2	
SEER										4.1				
Cooling capacity	Nom.			kW		684.7	786.9	909	967.5	1,014	1,099	1,216	1,302	1,408
Power input	Cooling	Nom.		kW		236.6	270.7	314.8	351.1	373	398	453.8	478.7	504.2
Capacity control	Method									Fixed				
	Minimum capacity			%						12.5				
EER						2.894	2.907	2.89	2.755	2.719	2.762	2.681	2.722	2.793
ESEER						3.89	3.9	3.85	3.79	3.73	3.76	3.75	3.77	3.81
IPLV						4.9	4.56	4.57	4.45	4.39	4.44	4.43	4.49	
Dimensions	Unit	Height		mm						2,537				
		Width		mm						2,282				
		Depth		mm		5,976		6,876			7,776		8,676	9,576
Weight	Unit			kg		5,527	5,525	5,858		6,229	6,520	6,780	8,084	8,426
	Operation weight			kg		5,825		6,188		6,710	6,981	7,272	8,554	8,887
Water heat exchanger	Type									Shell and tube				
	Water volume			l		298	300	330		481	461	492	470	461
	Water flow rate	Cooling	Nom.	l/s		32.8	37.6	43.5	46.3	48.5	52.6	58.2	62.3	67.4
	Water pressure drop	Cooling	Nom.	kPa		49.2	30.7	37.5	42.2	39	30.8	31.7	41.6	57.7
Air heat exchanger	Type									Microchannel				
Compressor	Type									Driven vapour compression				
	Quantity									2				
Fan	Type									Direct propeller, on/off fans				
	Quantity					12		14			16		18	20
	Air flow rate	Nom.		l/s		52,172		60,868			69,563		78,258	86,954
	Speed			rpm						760				
Sound power level	Cooling	Nom.		dBA			91			92			93	
Sound pressure level	Cooling	Nom.		dBA		73	74	73		74				
Operation range	Air side	Cooling	Min.~Max.	°CDB						-18~50				
	Water side	Cooling	Min.~Max.	°CDB						-8~18				
Refrigerant	Type/GWP									R-134a/1,430				
	Charge			kg		93.6		109.2			124.8		140.4	156
	Circuits	Quantity								2				
Refrigerant charge	Per circuit			TCO2Eq		66.92		78.08			89.23		100.39	111.54
Piping connections	Evaporator water inlet/outlet (OD)						6"					8"		
Unit	Starting current	Max		A		567	638	693	701	766	786	868	914	922
	Running current	Cooling	Nom.	A		376.73	431.76	499.71	554.32	592.7	629.99	720.93	755.84	790.74
		Max		A		478	523	605	659	693	750	820	876	933
Power supply	Phase/Frequency/Voltage			Hz/V						3~/50/400				

Air cooled screw chiller, high efficiency, standard/low sound

- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Advanced compressor and fans design that operate at very low sound levels
- 2 or 3 independent refrigerant circuits for outstanding reliability and maximum safety for maintenance
- Extremely wide range from 290kW to over 2 MW
- Optimised for use with R-134a
- Large operation range (ambient temperature down to -18°C)
- Units with stepless regulation offer the benefit of following the system energy demand at any time with high efficiency if compared to the units with step regulation. Each unit has infinitely variable capacity control from 100% down to 12,5%
- The Microchannel technology maximizes the heat exchange ensuring the highest performance with the minimum surface for the exchanger and a reduced quantity of refrigerant compared to Cu/Al condenser.
- MicroTech III controller with superior control logic and easy interface

Cooling Only					EWAD-T-XSB/XLB	350	380	400	420	440	490	540	570	730	820	950	C10	H10	H11	C13	H13	C14
Space cooling	A Condition 35°C	Pdc		kW		351.5	376.9	398.3	415.2	437.9	491.7	541.2	564.8	725.4	831.9	943.5	1,008.0	1,077.0	1,164.0	1,308.0	1,390.0	1,454.0
	ηs,c			%		154.6	155.1	162.1	161.2	161.1	168.0	171.7	168.0	167.1	164.5	169.6	166.3	166.7	167.1		166.7	164.7
SEER						3.9	4.0	4.1			4.3	4.4	4.3		4.2	4.3	4.2		4.3		4.2	
Cooling capacity	Nom.			kW		351.5	376.9	398.3	415.2	437.9	491.7	541.2	564.8	725.4	831.9	943.5	1,008	1,077	1,164	1,308	1,390	1,454
Power input	Cooling	Nom.		kW		106.1	114.9	121.4	128.8	138.5	159.1	166.6	177.8	234.6	267.5	299.3	333.1	347.2	374.7	421.1	447.1	481.7
Capacity control	Method					Fixed																
	Minimum capacity			%		12.5																
EER						3.314	3.28		3.224	3.163	3.091	3.248	3.177	3.092	3.11	3.152	3.027	3.103	3.108	3.107	3.109	3.019
ESEER						4.01	3.98	4.15	3.97	3.96	4.11	4.13	4.05	3.94	3.95	4.05	3.95	3.89	3.88	3.95	3.94	3.87
IPLV						4.6	4.55	4.76	4.61	4.57	5.46	5.49	5.3	4.93	4.65	5.17	4.69	4.63	4.66	4.64	4.68	4.63
Dimensions	Unit	Height		mm		2,537																
		Width		mm		2,258								2,282								
		Depth		mm		4,130			5,030			5,878		5,976		7,776		8,676	9,576		10,476	
Weight	Unit			kg		4,054	4,064		4,360		4,860	5,397	5,387	5,315	5,525	6,121		7,798	8,126	8,386	8,751	8,765
	Operation weight			kg		4,224	4,234		4,530		5,030	5,567	5,557	5,604	5,825	6,451		8,259	8,587	8,878	9,232	9,235
Water heat exchanger	Type					Shell and tube																
	Water volume			l		134	129		170			164	170	289	300	330		461		492	481	470
	Water flow rate	Cooling	Nom.	l/s		16.8	18	19	19.8	20.9	23.5	25.9	27	34.7	39.8	45.1	48.3	51.6	55.8	62.6	66.5	69.6
	Water pressure drop	Cooling	Nom.	kPa		20.1	26.3	25.1	19.3	21.1	42.7	34.1	33.4	33	36.8	40.8	46	51.9	60.5	36.2	40.4	50.8
Air heat exchanger	Type					Microchannel																
Compressor	Type					Driven vapour compression																
	Quantity					2																
Fan	Type					Direct propeller, on/off fans																
	Quantity					8		10				12				16	18	20			22	
	Air flow rate	Nom.		l/s		44,172		55,214				66,257				88,343	99,386	110,429			121,472	
	Speed			rpm		900																
Sound power level (XSB)	Cooling	Nom.		dBA		98					101			99		100			101			
Sound power level (XLB)	Cooling	Nom.		dBA		95					97					98				99		
Sound pressure level (XSB)	Cooling	Nom.		dBA		78					81				82	81	82	81		82		
Sound pressure level (XLB)	Cooling	Nom.		dBA		75					77			79	80	79	80	79		80	79	
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~53																
	Water side	Cooling	Min.~Max.	°CDB		-8~18																
Refrigerant	Type/GWP					R-134a/1,430																
	Charge			kg		52	54	65	66			72		93.6		124.8		140.4	156		171.6	
	Circuits	Quantity				2																
Refrigerant charge	Per circuit			TCO2Eq		37.18	38.61	46.48	47.19			51.48		66.92		89.23		100.39	111.54		122.69	
Piping connections	Evaporator water inlet/outlet (OD)					139.7mm								6"				8"				
Unit	Starting current	Max		A		253	296	311	399	422	475	493		574	645	703	705	778	802	883	931	939
	Running current	Cooling	Nom.	A		174.38	97.83	114.97	114.79	129.16	147.79	141.98	158.14	372.87	424.09	471.71	521	546.1	584.5	662.5	699.2	749.6
		Max		A		248	260	277	299	322.00	351	378	401	492	536	626	680	719	778	848	907	961
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																

Air cooled screw chiller, high efficiency, reduced sound



EWAD-T-XSB/XLB/XRB



MicroTech III

Cooling Only					EWAD-T-XRB	730	820	950	C10	H10	H11	C13	H13	C14
Space cooling	A Condition 35°C	Pdc		kW		707.6	807.8	922.1	982.4	1,053.0	1,164.0	1,273.0	1,355.0	1,412.0
		ηs,c		%		165.4	163.9	167.5	165.1	165.4	166.3	165.9	165.5	163.8
SEER						4.2		4.3		4.2				
Cooling capacity	Nom.			kW		707.6	807.8	922.1	982.4	1,053	1,164	1,273	1,355	1,412
Power input	Cooling	Nom.		kW		237.3	272.1	301.1	338.9	348	374.7	426.4	452	490.7
Capacity control	Method					Fixed								
	Minimum capacity			%		12.5								
EER						2.982	2.968	3.063	2.898	3.018	3.108	2.986	2.998	2.879
ESEER						3.94	3.87	4.07	3.85	3.91	3.89	3.96		3.88
IPLV						4.92	4.56	5.1	4.57	4.65	4.67	4.65	4.69	4.62
Dimensions	Unit	Height		mm		2,537								
		Width		mm		2,282								
		Depth		mm		5,976		7,776		8,676	9,576		10,476	
Weight	Unit			kg		5,315	5,525	6,121		7,798	8,126	8,386	8,751	8,765
	Operation weight			kg		5,604	5,825	6,451		8,259	8,587	8,878	9,232	9,235
Water heat exchanger	Type					Shell and tube								
	Water volume			l		289	300	330		461		492	481	470
	Water flow rate	Cooling	Nom.	l/s		33.8	38.6	44.1	47	50.4	55.8	60.9	64.8	67.6
	Water pressure drop	Cooling	Nom.	kPa		31.6	34.9	39.2	43.9	49.8	60.5	34.4	38.5	48.2
Air heat exchanger	Type					Microchannel								
Compressor	Type					Driven vapour compression								
	Quantity					2								
Fan	Type					Direct propeller, on/off fans								
	Quantity					12		16		18	20		22	
	Air flow rate	Nom.		l/s		52,172		69,563		78,258	110,429	86,954	95,649	
	Speed			rpm		760					900	760		
Sound power level	Cooling	Nom.		dBA		91		92			93			
Sound pressure level	Cooling	Nom.		dBA		73	74	73	74	73			74	
Operation range	Air side	Cooling	Min.~Max.	°CDB		-18~53								
	Water side	Cooling	Min.~Max.	°CDB		-8~18								
Refrigerant	Type/GWP					R-134a/1,430								
	Charge			kg		93.6		124.8		140.4	156		171.6	
	Circuits	Quantity				2								
Refrigerant charge	Per circuit			TCO2Eq		66.92		89.23		100.39	111.54		122.69	
Piping connections	Evaporator water inlet/outlet (OD)					6"				8"				
Unit	Starting current	Max		A		567	638	696	701	769	802	871	917	925
	Running current	Cooling	Nom.	A		379.04	433.58	477.39	533.75	552.3	584.5	675.01	711.6	769.5
		Max		A		478	523	608	662	699	778	826	882	936
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400								

EWAT-B- Multi scroll Air cooled chiller with R-32 refrigerant



EWAT-B- at a glance

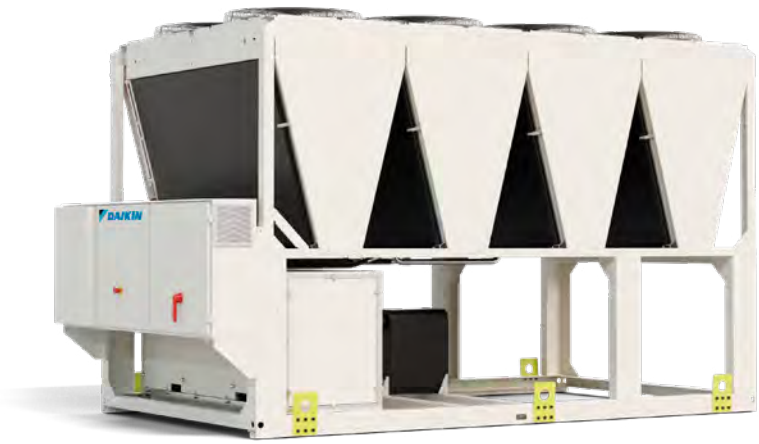
BLUEVOLUTION

- Wide capacity range: 80 – 700 kW
- Silver and Gold efficiency versions
- 3 sound configurations
- Full compatibility with Daikin on Site
- New Hydronic Kit configurations
  (single and twin pump, inertial tank, VFD)
- Single and dual circuit version overlapping between 150 kW and 350 kW
- Extensive option lists
- Fan speed modulation option (VFD)

Single V



Modular V



Daikin, world's first company introducing a new generation of air cooled scroll chiller series with R-32 refrigerant.

Environmental friendly refrigerant → First in the market
New R-32 optimized scroll compressors and heat exchangers

The Global Warming Potential (GWP) of R-32 refrigerant is 675, which is only one third compared to commonly used refrigerant R-410 The low GWP R-32 refrigerant falls into category class A2L in ISO817 and it can be safely used in many applications including chilled water systems As a single component refrigerant, R-32 is also easier to recycle and reuse, another environmental plus in its favour



Air cooled scroll chiller, standard efficiency, standard/low sound

› First R-32 air cooled chiller with Scroll compressors in the market
› Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
› One or two truly independent refrigerant circuits for outstanding reliability
› MicroTech III controller with superior control logic and easy interface
› Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
› Fan speed modulation to ensure precise airflow control and optimized condensing temperature
› Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
› Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input

Cooling Only					**EWAT-B-SS/SL**	**085**	**115**	**135**	**155**	**175**	**195**	**205**	**215**	**240**	**260**	**290**	**310**	**330**	**340**	**350**	**420**	**460**	**510**	**570**	**610**	**670**
Space cooling	A Condition 35°C	Pdc		kW		80.92	108.73	131.2	157.55	174.49	190.91	209.86	216.55	240.44	259.39	281.85	305.6	328.59	342	348.88	414.98	465.75	511.1	564.43	609.05	664.62
	ηs,c			%		149	161.8	149		163	157.8	159.8	151	165.4	155.4	168.2	166.2	167.4	169.8	161.4	174.6	171	172.2	169.8	171.4	
	ηs,c + VFDFAN					-								169	158,6	172,6	170,2	171	177	163,8	177,4	175,4	176,6	173,4	173,8	177,4
SEER						3.8	4.12	3.8		4.15	4.02	4.07	3.85	4.21	3.96	4.28	4.23	4.26	4.32	4.11	4.44	4.35	4.38	4.32	4.36	
SEER + VFDFAN						-								4.3	4.04	4.39	4.33	4.35	4.5	4.17	4.51	4.46	4.49	4.41	4.42	4.51
Cooling capacity	Nom.			kW		80.92	108.73	131.2	157.55	174.49	190.91	209.86	216.55	240.44	259.39	281.85	305.6	328.59	342	348.88	414.98	465.75	511.1	564.43	609.05	664.62
Power input	Cooling	Nom.		kW		31.8	38.5	49.8	61.8	67.7	69.4	79.8	85.6	85.3	95.7	108	112	121	117	132	146	171	186	216	230	239
Capacity control	Method					Staged			Var.	Staged	Variable		Staged	Variable												
	Minimum capacity			%		50	38	50	25	38	21	19	50	17	25	24	14	13	33	19	17	15	14	12	11	17
EER						2.55	2.82	2.64	2.55	2.58	2.75	2.63	2.53	2.82	2.71	2.61	2.71	2.7	2.92	2.64	2.83	2.72	2.74	2.61	2.64	2.78
ESEER						3.96	4.03	3.86	3.83	4.09	4	3.94	3.85	3.94	3.76	3.99	4.02	3.97	4.06	3.91	4.09	4	3.97	4.03	4.01	3.98
IPLV						4.65	4.92	4.46	4.68	4.78	4.8	4.87	4.49	4.66	4.46	4.76	4.67	4.65	4.77	4.58	4.77	4.75	4.7	4.74	4.71	4.73
EER + VFDFAN						-								2.81	2.71	2.61	2.71	2.69	2.91	2.64	2.82	2.71	2.74	2.61	2.64	2.77
ESER + VFDFAN						-								4	3.86	4.09	4.09	4.01	4.21	3.98	4.14	4.13	4.06	4.03	4.08	4.11
IPLV + VFDFAN						-								4.77	4.59	4.88	4.85	4.73	4.84	4.71	4.89	4.92	4.81	4.82	4.78	4.96
Dimensions	Unit	Height		mm		1,801			1,822	1,801	1,822			2,540												
		Width		mm		1,204								2,236												
		Depth		mm		2,120	2,660		3,570	3,180	4,170		3,780	2,326			3,226				4,126			5,025	5,874	
Weight (SS)	Unit			kg		679	763	810	1,005	983	1,164	1,156	1,191	1,660	1,688	1,853	2,096	2,123	2,247	2,304	2,600	2,921	2,913	3,148	3,554	3,888
	Operation weight			kg		686	773	820	1,014	996	1,177	1,169	1,210	1,668	1,694	1,869	2,114	2,141	2,268	2,324	2,630	2,954	2,946	3,195	3,597	3,924
Water heat exchanger	Type					Brazed plate																				
	Water volume			l		5	6	9	7	12	11		16	11		16	19		20	19	28			42		
	Water flow rate	Cooling	Nom.	l/s		3.9	5.2	6.3	7.6	8.4	9.1	10.1	10.4	11.5	12.4	13.5	14.6	15.7	16.4	16.7	19.9	22.3	24.5	27	29.2	31.9
	Water pressure drop	Cooling	Nom.	kPa		27.3	34.4	26.5	64.2	41.7	45.9	54.4	41.4	69.7	80	66.7	46.4	52.9	77.2	59	54.5	67.2	79.6	65.4	75.1	88
Air heat exchanger	Type					Microchannel																				
Compressor	Type					Driven vapour compression																				
	Quantity					2			4	2	4		2	4		3	4		3	4		5		6		
Fan	Type					Direct propeller																				
	Quantity					4	6		8		10			4			5		6	5	7		8		9	11
	Air flow rate	Nom.		l/s		6,022	9,036		13,354	12,023	16,710		15,057	20,306			25,382		30,459	25,382	35,535		40,612		45,688	55,841
	Speed			rpm		1,360								900												
Sound power level (SS)	Cooling	Nom.		dBA		84.8	88.2	89.7	87.8	91.8	89.9	90.9	93.2	93.3	93.8	94.8	94.9	95.3	96.1	95.6	96.7	97.0	97.6	97.8	98.3	99.0
Sound power level (SL)	Cooling	Nom.		dBA		83.7	86.2	87.0	86.7	88.8	88.1	88.7	90.0	90.8	90.8	91.0	91.8	91.9	92.7	91.9	93.3	93.4	93.9	94.0	94.5	95.3
Sound pressure level (SS)	Cooling	Nom.		dBA		67.4	70.5	72.0	69.5	73.8	71.3	72.3	74.8	74.3	74.8	75.8	75.4	75.8	76.6	76.1	76.7	77.0	77.6	77.9		78.2
Sound pressure level (SL)	Cooling	Nom.		dBA		66.3	68.5	69.3	68.4	70.7	69.5	70.1	71.6	71.8	71.8	72.0	72.3	72.4	73.2	72.4	73.3	73.4	74.0	74.0	74.1	74.6
Operation range	Air side	Cooling	Min.~Max.	°CDB		-10~43								-18~43												
	Water side	Cooling	Min.~Max.	°CDB		-13~20																				
Refrigerant	Type/GWP					R-32/675																				
	Charge			kg		10	11	12.5	15	14	18		17	36	38	36	42	43	50	44	57	58	60	62	80	90
	Circuits	Quantity				1			2	1	2		1	2		1	2		1				2			
Piping connections	Evaporator water inlet/outlet (OD)					76.1			88.9	76.1	88.9		76.1	88.9		76.1	88.9		76.1	88.9				114.3		
Unit	Starting current	Max		A		213	313	324	284	462	384	395	498	411	422	546	572	583	587	595	635	680	717	761	798	839
	Running current	Cooling	Nom.	A		59	69	83	112	113	122	136	142	147.0	160	179	194	207	197	220	238	285	310	358	382	399
		Max		A		73	86	96	143	132	156	167	168	183	195	215	241	253	256	264	305	349	386	431	467	508
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																				

Air cooled scroll chiller, standard efficiency, reduced sound



Single V

EWAT-B-SS/SL/SR Modular V



Microtech III

Cooling Only					EWAT-B-SR	085	115	135	155	175	195	205	215	240	260	290	310	330	340	350	420	460	510	570	610	670
Space cooling	A Condition 35°C	Pdc		kW		76.32	104.78	123.67	149.61	164.58	180.89	199.92	203.05	230.33	247.63	265.52	289.52	310.75	328.17	329.79	397.33	441.96	486.05	532.44	576.51	634.99
	ηs,c			%		149	161.4	149		163.8	153	153.8	149.8	168.6	157.4	167.4	165	167.4	173	158.6	173.8	171	173.4	169	171.8	173.4
SEER						3.8	4.11	3.8		4.17	3.9	3.92	3.82	4.29	4.01	4.26	4.2	4.26	4.4	4.04	4.42	4.35	4.41	4.3	4.37	4.41
Cooling capacity	Nom.			kW		76.32	104.78	123.67	149.61	164.58	180.89	199.92	203.05	230.33	247.63	265.52	289.52	310.75	328.17	329.79	397.33	441.96	486.05	532.44	576.51	634.99
Power input	Cooling	Nom.		kW		33.8	40.3	53.1	65.9	72.8	73.2	84.7	91.9	89.1	100	115	118	129	122	140	147	181	197	230	244	251
Capacity control	Method					Staged								Variable												
	Minimum capacity			%		50	38	50	25	38	21	19	50	17	25	24	14	13	33	19	17	15	14	12	11	17
EER						2.26	2.6	2.33	2.27	2.26	2.47	2.36	2.21	2.59	2.48	2.3	2.44	2.41	2.69	2.35	2.7	2.43	2.46	2.31	2.35	2.53
ESEER						3.95	4.07	3.9	3.81	4.1	3.88	3.97	3.73	4.09	3.89	4.12	4.05	3.96	4.2	3.97	4.09	4.13	4.02	4.13	4.01	4.1
IPLV						4.67	4.97	4.5	4.63	4.74	4.62	4.72	4.36	4.88	4.63	4.84	4.83	4.72	5.01	4.7	4.81	4.86	4.75	4.84		4.89
Dimensions	Unit	Height		mm		1,801			1,822	1,801		1,822		2,540												
		Width		mm		1,204								2,236												
		Depth		mm		2.120	2.660		3,570	3,180	4,170		3,780	2,326			3,226				4,126				5,025	5,874
Weight	Unit			kg		689	773	820	1,026	993	1,185	1,177	1,191	1,815	1,843	1935	2,251	2,277	2,330	2,304	2,754	2,921	3,078	3,312	3,718	4,053
	Operation weight			kg		696	783	830	1,035	1,006	1,198	1,190	1,210	1,822	1,849	1951	2,268	2,296	2,350	2,324	2,784	2,954	3,111	3,360	3,762	4,089
Water heat exchanger	Type					Brazed plate																				
	Water volume			l		5	6	9	7	12	11		16	11		16	19		20	19	28			42			
	Water flow rate	Cooling	Nom.	l/s		3.7	5	5.9	7.2	7.9	8.7	9.6	9.7	11	11.9	12.7	13.9	14.9	15.7	15.8	19	21.2	23.3	25.5	27.6	30.4
	Water pressure drop	Cooling	Nom.	kPa		24.6	32.2	23.8	58.5	37.5	41.6	49.9	36.8	64.5	73.5	59.9	42.1	47.8	71.7	53.2	50.4	61.1	72.7	58.9	68	81
Air heat exchanger	Type					Microchannel																				
Compressor	Type					Driven vapour compression																				
	Quantity					2			4	2	4		2	4		3	4		3	4	5			6			
Fan	Type					Direct propeller																				
	Quantity					4	6		8		10			4			5		6	5	7		8		9	11
	Air flow rate	Nom.		l/s		4,929	7,396		11,352	9,838	14,202		12,325	17,064			21,330				29,862		34,128		38,394	46,926
	Speed			rpm		1,200								780												
Sound power level	Cooling	Nom.		dBA		78.6	82.5	84.1	81.6	86.3	83.9	85.2	87.8	87	87.2	87.5	88.2	88.3	89.1	88.4	89.8		90.4	90.5	91	91.8
Sound pressure level	Cooling	Nom.		dBA		61.2	64.7	66.4	63.3	68.3	65.3	66.6	69.4	68.1	68.2	68.5	68.7	68.8	69.6	68.9	69.8	69.9	70.5		70.6	71.1
Operation range	Air side	Cooling	Min.~Max.	°CDB		-10~43								-18~43												
	Water side	Cooling	Min.~Max.	°CDB		-13~20																				
Refrigerant	Type/GWP					R-32/675																				
	Charge			kg		10	11	12.5	15	14	18		17	36	38	36	42	43	50	44	57	58	60	62	80	90
	Circuits	Quantity				1			2	1	2		1	2		1	2		1		2					
Piping connections	Evaporator water inlet/outlet (OD)					76.1			88.9	76.1	88.9		76.1	88.9		76.1	88.9		76.1		88.9			114.3		
Unit	Starting current	Max		A		213	313	324	284	462	384	395	498	411	422	546	572	583	587	595	635	680	717	761	798	839
	Running current	Cooling	Nom.	A		62	71	87	119	119	128	143	151	151	165	189	203	216	202	231	245	298	324	378	402	414
		Max		A		73	86	96	143	132	156	167	168	183	195	215	241	253	256	264	305	349	386	431	467	508
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																				

Air cooled scroll chiller, high efficiency, standard/low sound

- First R-32 air cooled chiller with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- One or two truly independent refrigerant circuits for outstanding reliability
- MicroTech III controller with superior control logic and easy interface
- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input

Cooling Only				**EWAT-B-XS/XL**	**085**	**115**	**145**	**180**	**185**	**200**	**220**	**230**	**250**	**280**	**300**	**310**	**320**	**360**	**370**	**430**	**470**	**540**	**600**	**660**	**700**
Space cooling	A Condition 35°C	Pdc		kW	87.7	113.64	143.23	178.64	182.18	200.33	225.65	238.26	254.08	280.99	303.6	304.42	325.3	350.13	370.33	423.61	470.48	536.64	606.55	659.77	701.27
	ηs,c			%	155.4	171.8	165.4	161.4	169.4	164.2	167	165.4	167.8	173	170.6	173.8	171.4	171.8	171	175.8	171.4	173.8		175.8	175.4
	ηs,c + VFDFAN			%	-			168.6	-	171	173	170.2	174.6	180.2	184.2	179.4	173.8	181	175	180.2	175	183.8	184.2	185.8	186.6
SEER					3.96	4.37	4.21	4.11	4.31	4.18	4.25	4.21	4.27	4.4	4.34	4.42	4.36	4.37	4.35	4.47	4.36	4.42		4.47	4.46
SEER + VFDFAN					-			4.29	-	4.35	4.4	4.33	4.44	4.58	4.68	4.56	4.42	4.6	4.45	4.58	4.45	4.67	4.68	4.72	4.74
Cooling capacity	Nom.			kW	87.7	113.64	143.23	178.64	182.18	200.33	225.65	238.26	254.08	280.99	303.6	304.42	325.3	350.13	370.33	423.61	470.48	536.64	606.55	659.77	701.27
Power input	Cooling	Nom.		kW	28.9	36.5	44.5	57.2	63.8	65.7	74.9	74.8	81.8	88.2	97.7		106	113	121	136	152	175	195	211	227
Capacity control	Method				Staged			Var.	Staged	Variable		Staged	Variable												
	Minimum capacity			%	50	38	50	25	38	21	19	50	17	16	24	14	22	33	19	17	25	14	12	11	17
EER					3.04	3.11	3.22	3.12	2.86	3.05	3.01	3.19	3.11	3.19	3.11	3.12	3.05	3.1	3.05	3.11	3.08	3.06	3.1	3.12	3.08
ESEER					4.07	4.23	4.19	4.02	4.05	4.01	4.06	4.1	4.03	4.15	4.14	4.13	4.12	4.08	4.03	4.12	4.09	4.06	4.08	4.12	4.05
IPLV					4.83	5	4.82	4.65	4.88	4.67	4.72	4.71	4.69	4.78	4.8	4.77	4.68	4.8	4.7	4.78	4.77	4.76	4.78	4.82	4.75
EER + VFDFAN					-			3.11	-	3.04	3.01	3.18	3.1	3.17	3.1	3.12	3.04	3.1	3.04	3.1	3.07	3.05	3.1	3.11	3.07
ESER + VFDFAN					-			4.3	-	4.13	4.19	4.23	4.21	4.23	4.32	4.18	4.22	4.25	4.15	4.17	4.2	4.3	4.25	4.33	4.27
IPLV + VFDFAN					-			5.11	-	5.05	5.01	4.92	4.97	5.12	5.09	4.92	4.86	4.94	4.96	4.94	4.99	5.01	4.99	5.12	5.08
Dimensions	Unit	Height		mm	1,801		1,822	2,540	1,822	2,540															
		Width		mm	1,204			2,236	1,204	2,236															
		Depth		mm	2,660	3,180	3,780	2,326	3,780	2,326		3,226						4,126			5,025		5,874	6,774	
Weight (XS)	Unit			kg	733	826	951	1,577	1,062	1,609	1,636	1,915	1,899	2,037	2,130	2,065	2,093	2,508	2,472	2,656	3,072	3,293	3,708	4,083	4,231
	Operation weight			kg	742	836	958	1,588	1,078	1,618	1,646	1,935	1,912	2,055	2,152	2,087	2,123	2,532	2,501	2,693	3,103	3,332	3,751	4,125	4,267
Water heat exchanger	Type				Brazed plate																				
	Water volume			l	5	6	9	11	12	11		16	14	19	20	19		20		28		42		50	
	Water flow rate	Cooling	Nom.	l/s	4.2	5.4	6.9	8.6	8.7	9.6	10.8	11.4	12.2	13.4	14.5	14.6	15.6	16.8	17.7	20.3	22.5	25.7	29.1	31.6	33.6
	Water pressure drop	Cooling	Nom.	kPa	31.6	37.3	31	40.7	45.1	50.1	43.7	49.2	54.2	39.8	62.2	46.1	51.9	80.6	65.7	56.6	68.5	59.7	74.6	70.2	78.5
Air heat exchanger	Type				Microchannel																				
Compressor	Type				Driven vapour compression																				
	Quantity				2			4	2	4		2	4		3	4		3	4			5	6		
Fan	Type				Direct propeller																				
	Quantity				6	8	10	4	10	4		5	6					7	8	9	10	12	13	14	
	Air flow rate	Nom.		l/s	9,036	12,023	15,057	20,306	15,057	20,306		25,382	30,459					35,535		40,612	45,688	50,765	60,918	65,994	71,071
	Speed			rpm	1,360			900	1,360	900															
Sound power level (XS)	Cooling	Nom.		dBA	86.0	88.8	90.5	91.2	92.1	92.0	92.7	94.8	93.8	94.6	95.6	95.0	95.4	96.4	96.2	96.9	97.6	98.0	98.6	99.0	99.4
Sound power level (XL)	Cooling	Nom.		dBA	85.2	87.1	88.5	90.6	89.3	90.6	90.7	91.8	91.7	92.5	92.6	92.5	92.6	93.3	93.2	93.8	94.4	94.8	95.6	95.9	96.3
Sound pressure level (XS)	Cooling	Nom.		dBA	68.3	70.8	72.2	72.3	73.7	73.1	73.7	75.3	74.3	75.1	76.1	75.5	75.9	76.4	76.3	77.0	77.2	77.6	77.8	77.9	78.3
Sound pressure level (XL)	Cooling	Nom.		dBA	67.5	69.1	70.1	71.6	70.9	71.7	71.7	72.3	72.2	73.0	73.1	73.0	73.1	73.3	73.3	73.9	74.0	74.4	74.8	74.8	75.2
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~46			-18~46	-10~46	-18~46															
	Water side	Cooling	Min.~Max.	°CDB	-13~20																				
Refrigerant	Type/GWP				R-32/675																				
	Charge			kg	10.5	12.5	15	30	16	36	37	30	42	48	36	50	52	50	58	62	70	78	80	92	100
	Circuits	Quantity			1			2	1	2		1	2		1	2		1				2			
Piping connections	Evaporator water inlet/outlet (OD)				76.1			88.9	76.1	88.9		76.1	88.9		76.1	88.9		76.1	88.9			114.3			
Unit	Starting current	Max		A	215	315	328	290	464	388	399	505	415	543	554	555	566	591	603	639	676	725	777	814	851
	Running current	Cooling	Nom.	A	56	67	78	110	108	122	135	128	145	158	168	171	184	193	209	235	260	299	335	361	388
		Max		A	75	87	100	149	134	160	172	175	187	212	223	224	235	260	272	309	345	394	447	483	520
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																				

Air cooled scroll chiller, high efficiency, reduced sound



Single V

EWAT-B-XS/XL/XR Modular V



Microtech III

Cooling Only					EWAT-B-XR	085	115	145	180	185	200	220	230	250	280	300	310	320	360	370	430	470	540	600	660	700
Space cooling	A Condition 35°C	Pdc		kW		81.68	108.36	135.38	167.75	165.77	187.07	207.97	223.94	238.24	264.17	284.03	283.97	301.05	327.53	345.32	393.29	437.99	500	569.48	618.9	656.69
	ηs,c			%		213.28	166.6	160.2	163.8	160.2	166.6		165	171.4	176.6	180.6	174.6	166.6	175	169.8	175.8	167.4	178.6	181.4	181	180.2
SEER						3.84	4.24	4.08	4.17	4.08	4.24		4.2	4.36	4.49	4.59	4.44	4.24	4.45	4.32	4.47	4.26	4.54	4.61	4.6	4.58
Cooling capacity	Nom.			kW		81.68	108.36	135.38	167.75	165.77	187.07	207.97	223.94	238.24	264.17	284.03	283.97	301.05	327.53	345.32	393.29	437.99	500	569.48	618.9	656.69
Power input	Cooling	Nom.		kW		30.9	39	47	59.1	70.5	69.8	80.7	79.2	86.4	92.2	104	103	114	121	130	146	163	188	207	224	242
Capacity control	Method					Staged			Var.	Staged	Variable		Staged	Variable												
	Minimum capacity			%		50	38	50	25	38	21	19	50	17	16	24	14	22	33	19	17	25	14	12	11	17
EER						2.64	2.78	2.88	2.84	2.35	2.68	2.58	2.83	2.76	2.87	2.71	2.76	2.63	2.7	2.66	2.68		2.66	2.74	2.76	2.71
ESEER						4.02	4.18	4.08	4.24	4.04	4.21	4.17	4.16	4.15	4.34	4.31	4.12	4.04	4.24	4.15		4.12	4.2	4.21	4.25	4.23
IPLV						4.74	5.1	4.76	5	4.78	5	5.05	4.82	4.93	5.09	5.15	5.02	4.72	5.05	4.9	4.86	4.82	4.91	5.07	4.99	
Dimensions	Unit	Height		mm		1,801		1,822	2,540	1,822	2,540															
		Width		mm		1,204			2,236	1,204	2,236															
		Depth		mm		2,660	3,180	3,780	2,326	3,780	2,326		3,226						4,126			5,025		5,874	6,774	
Weight	Unit			kg		744	837	961	1,732	1,072	1,763	1,790	1,977	2,054	2,192	2,212	2,220	2,247	2,590	2,627	2,811	3,237	3,458	3,873	4,248	4,396
	Operation weight			kg		752	846	968	1,743	1,088	1,773	1,801	1,997	2,066	2,209	2,234	2,241	2,277	2,614	2,655	2,848	3,268	3,497	3,916	4,290	4,432
Water heat exchanger	Type					Brazed plate																				
	Water volume			l		5	6	9	11	12	11		16	14	19	20	19		20		28		42		50	
	Water flow rate	Cooling	Nom.	l/s		3.9	5.2	6.5	8	7.9	9	10	10.7	11.4	12.6	13.6		14.4	15.7	16.5	18.8	21	23.9	27.3	29.6	31.5
	Water pressure drop	Cooling	Nom.	kPa		27.8	34.2	28	36.3	38	44.2	37.7	44	48.2	35.6	55.1	40.6	45.1	71.4	57.9	49.5	60.2	52.5	66.5	62.6	69.7
Air heat exchanger	Type					Microchannel																				
Compressor	Type					Driven vapour compression																				
	Quantity					2			4	2	4		2	4		3	4		3	4			5	6		
Fan	Type					Direct propeller																				
	Quantity					6	8	10	4	10	4		5		6				7	8	9	10	12	13	14	
	Air flow rate	Nom.		l/s		6,673	8,896	11,122	15,054	11,122	15,054		18,819	18,818	22,582				26,346	30,110	33,874	37,637	45,164	48,928	52,692	
	Speed			rpm		1,108			700	1,108	700															
Sound power level	Cooling	Nom.		dBA		77.9	81.9	84	84.2	86	84.5	84.8	86.2	85.8	86.6	87	86.7	86.9	87.7	87.6	88.3	88.9	89.3	90	90.4	90.7
Sound pressure level	Cooling	Nom.		dBA		60.2	63.9	65.6	65.3	67.7	65.5	65.8	66.7	66.3	67.1	67.5	67.2	67.4	67.8	67.7	68.3	68.5	68.9	69.2	69.3	69.6
Operation range	Air side	Cooling	Min.~Max.	°CDB		-10~46			-18~46	-10~46	-18~46															
	Water side	Cooling	Min.~Max.	°CDB		-13~20																				
Refrigerant	Type/GWP					R-32/675																				
	Charge			kg		10.5	12.5	15	30	16	36	37	30	42	48	36	50	52	50	58	62	70	78	80	92	100
	Circuits	Quantity				1			2	1	2		1	2		1	2		1				2			
Piping connections	Evaporator water inlet/outlet (OD)					76.1			88.9	76.1	88.9		76.1	88.9		76.1	88.9		76.1	88.9			114.3			
Unit	Starting current	Max		A		215	315	328	290	464	388	399	505	415	543	554	555	566	591	603	639	676	725	777	814	851
	Running current	Cooling	Nom.	A		60	71	83	113	118	128	143	134	151	164	177	179	194	204	221	250	276	319	352	381	410
		Max		A		75	87	100	149	134	160	172	175	187	212	223	224	235	260	272	309	345	394	447	483	520
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																				

Air cooled mini inverter heat pump

- Top product in terms of energy efficiency and operation range
- All capacities available in 2 versions: standard version and version with OP10 option (no freeze up of water when not in operation thanks to the water piping heater tape)
- Easy‚plug and play' installation
- Amongst the most quiet units in the market (63dBA - sound power)
- Single phase power supply and low starting currents make the unit ideal for residential applications
- Weight reduced with 20% compared with the previous models.
- Built-in Hydraulic kit: no buffer tank required, standard inverter driven pump, main flow sensor and switch included.
- Standard wired remote control enables setting of different set points (cooling, heating, water leaving temperature) or based on outdoor conditions (weather dependent control). It has an alarm history, night time noise reduction function and is language based.



EWYQ-BVP EKRUMCL1

Heating & Cooling					EWYQ-BVP	004	005	006	008
Cooling capacity	Nom.				kW	4.00 / 4.01	4.93 / 5.07	5.88 / 6.07	7.95 / 8.23
Heating capacity	Nom.				kW	4.11 / 3.96	4.99 / 4.99	6.14 / 6.12	8.08 / 8.44
	Max.				kW	5.1	6.0	-	
Power input	Cooling	Nom.			kW	1.27 / 0.840	1.61 / 1.12	1.87 / 1.13	2.57 / 1.65
	Heating	Nom.			kW	1.19 / 0.860	1.46 / 1.09	1.75 / 1.28	2.31 / 1.84
Capacity control	Method					Variable (inverter)			
EER						3.14 / 4.80	3.06 / 4.51	3.15 / 5.35	3.10 / 4.99
COP						3.44 / 4.61	3.41 / 4.58	3.51 / 4.77	3.49 / 4.59
ESEER						4.45	4.49	5.25	5.24
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)		%	155	159	158	165
			SCOP			3.90	4.03		4.21
			Seasonal space heating eff. class			A++			
Dimensions	Unit	HeightxWidthxDepth			mm	735x1,090x350		997x1,160x380	
Weight	Unit				kg	83		106	
Water heat exchanger	Type					Brazed plate			
	Water flow rate	Cooling	Nom.		l/min	11.5 / 11.5	14.1 / 14.5	16.9 / 17.4	22.8 / 23.6
		Heating	Nom.		l/min	11.8 / 11.4	14.3 / 14.3	17.6 / 17.5	23.2 / 24.2
	Water volume				l	1		2	
Air heat exchanger	Type					Cross fin coil/Hi-X tubes and chromate coated waffle louvre fins		Cross fin coil/Hi-X tubes and PE coated waffle louvre fins	
Compressor	Type					Hermetically sealed swing compressor			
	Quantity					1			
Fan	Type					Propeller fan			
	Quantity					1			
	Air flow rate	Cooling	Nom.		m^3/min	53		72	
		Heating	Nom.		m^3/min	47.0		46.6	49.3
Sound power level	Cooling	Nom.			dBA	63.0	64.0	69.0	
	Heating	Nom.			dBA	65.0			
Sound pressure level	Cooling	Nom.			dBA	48.0	49.0	52.0	53.0
	Heating	Nom.			dBA	49.0		47.0	
Operation range	Air side	Cooling	Min.~Max.		°CDB	10~43		10~46	
		Heating	Min.~Max.		°CDB	-20~25		-15~25	
	Water side	Cooling	Min.~Max.		°CDB	5~22			
		Heating	Min.~Max.		°CDB	15 ~55			
Refrigerant	Type/GWP					R-410A/2,088		R-410A/2,087.5	
	Control					Electronic expansion valve			
	Circuits	Quantity				1			
Refrigerant charge	Per circuit				kg	2.10		2.70	
	Per circuit				TCO2Eq	4.4		5.6	
Water circuit	Piping connections diameter				inch	1" MBSP			
Unit	Starting current		Max		A	15.7		19.9	
	Running current		Max		A	15.7		19.9	
Power supply	Phase/Frequency/Voltage				Hz/V	1N~/50/230			

Air cooled mini inverter heat pump

- Inverter technology to ensure low sound values and leader-of-class ESEER
- Wide operating range
- Built-in hydronic module: no buffer tank required and a standard pump and main switch are included
- Easy‚plug and play' installation
- Single phase power supply for residential applications, three phase power supply model available for light commercial applications



EWYQ-ACV3/ACW1



Digital controller

Heating & Cooling				EWYQ	009ACV3	010ACV3	011ACV3	009ACW1	011ACW1	013ACW1
Cooling capacity	Nom.			kW	12.2 (1)/ 8.60 (2)	13.6 (1)/ 9.60 (2)	15.7 (1)/ 11.1 (2)	12.9 (1)/ 9.10 (2)	15.7 (1)/ 11.1 (2)	17.0 (1)/ 13.3 (2)
Heating capacity	Nom.			kW	10.2 (1)/ 9.90 (2)	11.7 (1)/ 11.4 (2)	13.8 (1)/ 12.9 (2)	11.20 (1)/ 10.90 (2)	13.2 (1)/ 12.4 (2)	14.8 (1)/ 13.9 (2)
Power input	Cooling	Nom.		kW	2.85 (1)/ 2.83 (2)	3.41 (1)/ 3.28 (2)	4.13 (1)/ 3.90 (2)	3.08 (1)/ 3.05 (2)	4.13 (1)/ 3.90 (2)	5.52 (1)/ 5.18 (2)
	Heating	Nom.		kW	2.43 (1)/ 2.99 (2)	2.81 (1)/ 3.46 (2)	3.20 (1)/ 3.94 (2)	2.69 (1)/ 3.31 (2)	3.07 (1)/ 3.78 (2)	3.47 (1)/ 4.27 (2)
Capacity control	Method				Inverter controlled					
EER					4.27 (1)/ 3.05 (2)	4.00 (1)/ 2.93 (2)	3.79 (1)/ 2.85 (2)	4.19 (1)/ 2.99 (2)	3.79 (1)/ 2.85 (2)	3.08 (1)/ 2.57 (2)
ESEER					4.31	4.30	4.33	4.43	4.44	4.36
COP					4.19 (1)/ 3.30 (2)	4.17 / (1) 3.29 (2)	4.30 (1)/ 3.27 (2)	4.17 (1)/ 3.28 (2)	4.31 (1)/ 3.27 (2)	4.28 (1)/ 3.25 (2)
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	126	131	134	126	134	130
			SCOP		3.22	3.34	3.41	3.22	3.41	3.30
			Seasonal space heating eff. class		A+					
Dimensions	Unit	Height		mm	1,435					
		Width		mm	1,420					
		Depth		mm	382					
Weight	Unit			kg	180					
Water heat exchanger	Type				Brazed plate					
	Quantity				1					
	Water flow rate	Heating	Nom.	l/min	28.3	32.6	36.9	31.2	35.5	39.8
	Water volume			l	1.01					
Air heat exchanger	Type				Hi-XSS					
Pump Standard	Nominal ESP unit	Cooling		kPa	60.5	57.8	53.2	59.2	53.2	40.9 / 45.6
		Heating		kPa	57.1	52.5	47.3	54.1	49.1	36.6 / 43.5
Hydraulic components	Expansion vessel	Volume		l	10					
Compressor	Type				Hermetically sealed scroll compressor					
	Quantity				1					
Fan	Type				Propeller fan					
	Quantity				2					
	Air flow rate	Cooling	Nom.	m^3/min	96.0	100	97.0	-		
		Heating	Nom.	m^3/min		90.0		-		
Fan motor	Speed	Cooling	Nom.	rpm	780					
		Heating	Nom.	rpm	760					
		Steps			8					
Sound power level	Cooling	Nom.		dBA		64.0		64.0		66.0
	Heating	Nom.		dBA	60.0	64.0	60.0	60.0		
Sound pressure level	Cooling	Nom.		dBA	50.0					
	Heating	Nom.		dBA	50.0					
	Night quiet mode	Cooling		dBA		45.0		45.0		46.0
		Heating		dBA		42.0		42.0		43.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~46					
		Heating	Min.~Max.	°CDB	-15~35					
	Water side	Cooling	Min.~Max.	°CDB	5~20					
		Heating	Min.~Max.	°CDB	30~50					
Refrigerant	Type/GWP				R-410A / 2,087.5					
	Circuits	Quantity			1					
	Control				Electronic expansion valve					
Refrigerant charge	Per circuit			kg	2.95					
				TCO_2eq	6.16					
Water circuit	Piping			inch	5/4"					
	Piping connections diameter			inch	G 5/4" (female)					
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/230			3N~/50/400	

(1) Underfloor program: cooling Ta 35°C - LWE 18°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (Dt: 5°C) (2) Fan coil program: cooling Ta 35°C - LWE 7°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (Dt: 5°C)

Air cooled scroll inverter heat pump

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request



EWYQ-CWN BRC21A52

Heating & Cooling				EWYQ-CWN	016	021	025	032	040	050	064
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	147	148	138	135	149	139	135
			SCOP		3.75	3.78	3.53	3.45	3.80	3.55	3.45
			Seasonal space heating eff. class		A+	A++			A+		
Cooling capacity	Nom.			kW	16.8	21.0	25.3	31.6	42.1	50.5	63.2
Heating capacity	Nom.			kW	16.8	21.0	25.1	31.4	41.9	50.3	62.9
Power input	Cooling	Nom.		kW	5.93	7.61	9.60	12.9	15.1	19.2	25.7
	Heating	Nom.		kW	5.60	6.89	8.74	10.8	13.7	17.5	21.6
Capacity control	Method				Inverter controlled						
	Minimum capacity			%	25						
EER					2.84	2.77	2.63	2.45	2.79	2.63	2.46
ESEER					4.37	4.26	4.17	3.87	4.28	4.18	3.87
COP					3.00	3.05	2.87	2.91	3.06	2.87	2.91
Dimensions	Unit	Height		mm	1,684						
		Width		mm	1,370			1,680	2,360		2,980
		Depth		mm	774				780		
Weight	Unit			kg	268	321		403	579		741
Water heat exchanger	Type				Brazed plate						
	Water volume			l	3			5	6		9
	Water pressure drop	Cooling	Total	kPa	8	10	14	8	10	14	8
Air heat exchanger	Type				Air cooled coil						
Compressor	Type				Hermetically sealed scroll compressor						
	Quantity				1	2		3	4		6
Fan	Type				Axial						
	Quantity				1			2			4
	Air flow rate	Cooling	Nom.	m^3/min	171	185		233	370		466
		Heating	Nom.	m^3/min	171	185		233	370		466
Sound power level	Cooling	Nom.		dBA	78.0			80.0	81.0		83.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	-5~43						
		Heating	Min.~Max.	°CDB	-15~35						
	Water side	Cooling	Min.~Max.	°CDB	-10~20						
		Heating	Min.~Max.	°CDB	25~50						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Control				Electronic expansion valve						
	Circuits	Quantity			1				2		
Refrigerant charge	Per circuit			kg	7.60			9.60	7.60		9.60
	Per circuit			TCO2Eq	15.9			20.0	15.9		20.0
Water circuit	Piping connections diameter			inch	1-1/4" (female)				2" (female)		
	Piping			inch	1-1/4"				1-1/2"		
Unit	Starting current	Max		A	0.0	77.7	78.7	88.7	99.8	101.9	120.7
	Running current	Max		A	22.2	25.3	26.4	35.2	47.4	49.6	67.2
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/400						

Air cooled scroll inverter heat pump

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request
- EWYQ-CWP: Version with standard pump
- EWYQ-CWH: Version with optional high static pump



EWYQ-CWP/CWH

BRC21A52

Heating & Cooling					EWYQ	016CWP	021CWP	025CWP	032CWP	040CWP	050CWP	064CWP	016CWH	021CWH	025CWH	032CWH	040CWH	050CWH	064CWH
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%		144	154	139	138	149	139	138		150	135	136	144	133	135
			SCOP			3.68	3.93	3.55	3.53	3.80	3.55	3.53		3.83	3.45	3.48	3.68	3.40	3.45
			Seasonal space heating eff. class			A+	A++	A+						A++			A+		
Cooling capacity	Nom.			kW		17.0	21.2	25.5	31.8	42.3	50.7	63.3	17.0	21.2	25.5	31.8	42.3	50.7	63.7
Heating capacity	Nom.			kW		16.6	20.8	24.9	31.2	41.7	50.1	62.7	16.6	20.8	24.9	31.2	41.7	50.1	62.7
Power input	Cooling	Nom.		kW		5.81	7.47	9.45	12.7	15.1	19.0	25.5	5.81	7.47	9.45	12.7	15.1	19.0	25.5
	Heating	Nom.		kW		5.49	6.76	8.58	10.6	13.7	17.4	21.4	5.49	6.76	8.58	10.6	13.7	17.4	21.4
Capacity control	Method					Inverter controlled													
	Minimum capacity			%		25													
EER						2.93	2.84	2.70	2.50	2.80	2.67	2.48	2.93	2.84	2.70	2.50	2.80	2.67	2.48
ESEER						4.85	4.70	4.57	4.10	4.40	4.36	4.05	4.69	4.58	4.47	4.06	4.27	4.26	3.98
COP						3.02	3.07	2.91	2.93	3.03	2.88	2.93	3.02	3.07	2.91	2.93	3.03	2.88	2.93
Dimensions	Unit	Height		mm		1,684													
		Width		mm		1,370			1,680	2,360		2,980	1,370			1,680	2,360		2,980
		Depth		mm		774				780			774				780		
Weight	Unit			kg		280	332		414	604		765	283	336		417	612		774
Water heat exchanger	Type					Brazed plate													
	Water volume			l		3			5	6		9	3			5	6		9
	Water pressure drop	Cooling	Total	kPa		8	10	14	8	10	14	8		10	14	8	10	14	8
Air heat exchanger	Type					Air cooled coil													
Compressor	Type					Hermetically sealed scroll compressor													
	Quantity					1	2		3	4		6	1	2		3	4		6
Fan	Type					Axial													
	Quantity					1			2			4	1			2			4
	Air flow rate	Cooling	Nom.	m^3/min		171	185		233	370		466	171	185		233	370		466
		Heating	Nom.	m^3/min		171	185		233	370		466	171	185		233	370		466
Sound power level	Cooling	Nom.		dBA		78.0			80.0	81.0		83.0	78.0			80.0	81.0		83.0
Operation range	Air side	Cooling	Min.~Max.	°CDB		-5~43													
		Heating	Min.~Max.	°CDB		-15~35													
	Water side	Cooling	Min.~Max.	°CDB		-10~20													
		Heating	Min.~Max.	°CDB		25~50													
Refrigerant	Type/GWP					R-410A/2,087.5													
	Control					Electronic expansion valve													
	Circuits	Quantity				1				2			1				2		
Refrigerant charge	Per circuit			kg		7.60		9.60		7.60	9.60		7.60		9.60		7.60		9.60
	Per circuit			TCO2Eq		15.9		20.0		15.9	20.0		15.9		20.0		15.9		20.0
Water circuit	Piping connections diameter			inch		1-1/4" (female)				2" (female)			1-1/4" (female)				2" (female)		
	Piping			inch		1-1/4"				1-1/2"			1-1/4"				1-1/2"		
Unit	Starting current	Max		A		0.0	77.7	78.7	88.7	99.8	101.9	120.7	0.0	79.9	81.7	91.7	103.7	106.3	125.1
	Running current	Max		A		22.2	25.3	26.4	35.2	47.4	49.6	67.2	24.4	27.5	29.4	38.2	51.3	54.0	71.6
Power supply	Phase/Frequency/Voltage			Hz/V		3N~/50/400													

Air cooled scroll inverter heat pump, split version

- Hydronic module for indoor installation eliminating the need for glycol
- Ideal for colder climates as the lack of glycol will allow for high efficiencies
- Compact dimensions and limited pipework allow for installation in very restricted spaces
- Easy transportation as separate units will fit in an elevator



SEHVX-BW SERHQ-BW1 BRC21A53/54 (Optional)

Heating & Cooling					SEHVX20BAW/ SERHQ020BAW1	SEHVX32BAW/ SERHQ032BAW1	SEHVX40BAW/ SERHQ020BAW1+SERHQ020BAW1	SEHVX64BAW/ SERHQ032BAW1+SERHQ032BAW1
Cooling capacity	Nom.			kW	21.2 (1)	31.8 (1)	42.3 (1)	63.3 (1)
Heating capacity	Nom.			kW	20.8 (2)	31.2 (2)	41.7 (2)	62.7 (2)
Power input	Cooling	Nom.		kW	7.47 (1)	12.7 (1)	15.1 (1)	25.5 (1)
	Heating	Nom.		kW	6.76 (2)	10.6 (2)	13.7 (2)	21.4 (2)
EER					2.84	2.5	2.8	2.48
COP					3.07	2.93	3.03	2.93
Space heating	Average climate water outlet 35°C	General	SCOP		3.93	3.53	3.80	3.53
			ηs (Seasonal space heating efficiency)	%	154	138	149	138
			Seasonal space heating eff. class		A++	A+		

Unit for indoor installation					SEHVX20BAW	SEHVX32BAW	SEHVX40BAW	SEHVX64BAW
Dimensions	Unit	Height		mm	1,573			
		Width		mm	766			
		Depth		mm	396			
Weight	Unit			kg	97.0	105	137	153
	Packed unit			kg	109	117	149	165
Water side Heat exchanger	Type				Brazed plate			
	Water volume			l	3	5	6	9
	Water flow rate	Cooling	Nom.	l/min	60 (3)	90 (3)	120 (3)	181 (3)
		Heating	Nom.	l/min	60 (2)	90 (2)	120 (2)	181 (2)
Sound power level	Nom.			dBA	63.0		66.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5~43			
		Water side	Min.~Max.	°CDB	5 (4)~20			
	Heating	Ambient	Min.~Max.	°CDB	-15~35			
		Water side	Min.~Max.	°CDB	25~50			
Refrigerant	Type / GWP				R-410A / 2,087.5			
	Circuits	Quantity			1		2	
	Control				Electronic expansion valve			
Water circuit	Piping connections diameter			inch	1-1/4" (female)		2" (female)	
	Piping			inch	1-1/4"		1-1/2"	
	Water pressure drop	Cooling	Nom.	kPa	17 (7)	24 (7)	19 (7)	29 (7)
	Total water volume			l	4.2 (8)	5.8 (8)	7.9 (8)	11.0 (8)
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/400			

Outdoor Unit					SERHQ020BAW1	SERHQ032BAW1
Dimensions	Unit	Height		mm	1,680	
		Width		mm	765	
		Depth		mm	930	1,240
Weight	Unit			kg	240	316
	Packed unit			kg	273	356
Compressor	Quantity				2	3
	Type				Hermetically sealed scroll compressor	
Fan	Type				Axial	
	Quantity				1	2
	Air flow rate	Cooling	Nom.	m^3/min	185	233
		Heating	Nom.	m^3/min	185	233

(1) Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; ambient air temp. 35°C (2) Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) (3) Condition: Ta 35°C - LWE 7°C (DT = 5°C) (4) Water can be used above 5°C. Between 0°C and 5°C a 30% glycol solution (propylene or ethylene) has to be used. Between 0°C and -10°C a 40% glycol solution (propylene or ethylene) has to be used (see installation manual and information related to OPZL option) (5) Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info. (6) Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0,66 if the heating sepoint is ≥ 45° C (eg. Fan coils) (7) This is PD between inlet & outlet connections of unit. It includes the water side heat exchanger pressure drop. (8) Including piping + PHE; excluding expansion vessel



Air cooled multi-scroll heat pump, high efficiency, standard sound

› Single refrigerant circuit (2 scroll compressors) with single evaporator
› Compact design
› Partial and total heat recovery option available
› Stainless steel plate heat exchanger
› MicroTech III controller with superior control logic and easy interface

Heating & Cooling				EWYQ-G-XS	075	085	100	110	120	140	160
Cooling capacity	Nom.			kW	77.8	88.1	101	117	127	147	165
Heating capacity	Nom.			kW	82.2	91.2	110	127	138	156	170
Power input	Cooling	Nom.		kW	27.0	31.5	36.0	39.5	44.7	50.2	57.8
	Heating	Nom.		kW	26	29	34	39	43	50	54
Capacity control	Method				Step						
	Minimum capacity			%	50	44	50	44	50	43	50
EER					2.88	2.80	2.81	2.97	2.84	2.92	2.85
COP					3.14	3.12	3.24	3.25	3.20	3.11	3.13
ESEER					3.90	3.94	3.97	4.03	3.92	3.96	
IPLV					4.40	4.47	4.40	4.49	4.40	4.50	
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	131	129	142	140	142	138	140
			SCOP		3.35	3.31	3.62	3.58	3.63	3.53	3.58
Dimensions	Unit	Height		mm	1,800						
		Width		mm	1,195						
		Depth		mm	2,826			3,426		4,026	
Weight	Unit			kg	850	912	1,077	1,183	1,213	1,333	1,394
	Operation weight			kg	858	921	1,088	1,194	1,224	1,344	1,411
Water heat exchanger	Type				Brazed plate						
	Water flow rate	Cooling	Nom.	l/s	3.7	4.2	4.8	5.6	6.1	7.0	7.9
		Heating	Nom.	l/s	4.0	4.4	5.3	6.1	6.7	7.5	8.2
	Water pressure drop	Cooling	Nom.	kPa	8.40	8.30	8.70	11.6	13.7	18.2	19.9
		Heating	Nom.	kPa	9.50	9.10	11.20	14.40	17.20	21.70	22.50
	Water volume			l	8.10	9.40	10.8				16.7
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler						
Compressor	Type				Scroll compressor						
	Quantity				2						
Fan	Type				Direct propeller						
	Quantity				6			8		10	
	Air flow rate	Nom.		l/s	10,042		9,861	13,148		16,435	
	Speed			rpm	1,360						
Sound power level	Cooling	Nom.		dBA	84.0	85.0	87.0	89.0			
Sound pressure level	Cooling	Nom.		dBA	66.0	68.0	70.0	71.0			
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~45						
		Heating	Min.~Max.	°CDB	-10~45						
	Water side	Cooling	Min.~Max.	°CDB	-10~15						
		Heating	Min.~Max.	°CDB	-10~15						
Refrigerant	Type / GWP				R-410A / 2,087.5						
	Circuits	Quantity			1						
Refrigerant charge	Per circuit			kg	15.0		18.0	23.0		30.0	
				TCO_2eq	31.3		37.6	48.0		62.6	
Piping connections	Evaporator water inlet/outlet (OD)				2" 1/2						
Unit	Starting current	Max		A	210	261	267	316	323	363	377
	Running current	Cooling	Nom.	A	52	56	60	69	76	88	95
		Max		A	66	72	78	87	95	111	125
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400						

Air cooled multi-scroll heat pump, high efficiency, reduced sound



EWYQ-G-XS/XR



MicroTech III

Heating & Cooling				EWYQ-G-XR	075	085	100	110	120	140	160
Cooling capacity	Nom.			kW	75.2	84.5	95.0	111	120	139	155
Heating capacity	Nom.			kW	82.2	91.2	110	127	138	156	170
Power input	Cooling	Nom.		kW	27.7	32.7	38.6	41.5	47.4	52.8	61.5
	Heating	Nom.		kW	26	29	34	39	43	50	54
Capacity control	Method				Step						
	Minimum capacity			%	50	44	50	44	50	43	50
EER					2.71	2.59	2.46	2.68	2.52	2.64	2.51
COP					3.14	3.12	3.24	3.25	3.20	3.11	3.13
ESEER					3.85	3.90	3.79	3.92	3.76	3.86	3.79
IPLV					4.35	4.41	4.29	4.42	4.27	4.40	4.35
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	131	129	142	140	142	138	140
			SCOP		3.35	3.31	3.62	3.58	3.63	3.53	3.58
Dimensions	Unit	Height		mm	1,800						
		Width		mm	1,195						
		Depth		mm	2,826			3,426		4,026	
Weight	Unit			kg	880	942	1,107	1,213	1,243	1,363	1,424
	Operation weight			kg	888	951	1,118	1,224	1,254	1,374	1,441
Water heat exchanger	Type				Brazed plate						
	Water flow rate	Cooling	Nom.	l/s	3.6	4.0	4.5	5.3	5.7	6.7	7.4
		Heating	Nom.	l/s	4.0	4.4	5.3	6.1	6.7	7.5	8.2
	Water pressure drop	Cooling	Nom.	kPa	7.90	7.70	7.60	10.5	12.1	16.4	17.5
		Heating	Nom.	kPa	9.50	9.10	11.2	14.4	17.2	21.7	22.5
	Water volume			l	8.10	9.40	10.8				16.7
Air heat exchanger	Type				High efficiency fin and tube type						
Compressor	Type				Scroll compressor						
	Quantity				2						
Fan	Type				Direct propeller						
	Quantity				6			8		10	-
	Air flow rate	Nom.		l/s	7,859		7,101	9,468		11,835	
	Speed			rpm	1,108						
Sound power level	Cooling	Nom.		dBA	80.0	82.0	84.0	86.0			
Sound pressure level	Cooling	Nom.		dBA	62.0	65.0	66.0	68.0		67.0	
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~45						
		Heating	Min.~Max.	°CDB	-17~20						
	Water side	Cooling	Min.~Max.	°CDB	-10~15						
		Heating	Min.~Max.	°CDB	25~50						
Refrigerant	Type / GWP				R-410A / 2,087.5						
	Circuits	Quantity			1						
Refrigerant charge	Per circuit			kg	17.0	17.7	23.5	29.4	28.3	32.0	34.9
				TCO_2eq	35.5	36.9	49.1	61.4	59.1	66.8	72.9
Piping connections	Evaporator water inlet/outlet (OD)				2" 1/2						
Unit	Starting current	Max		A	213	264	270	319	327	367	381
	Running current	Cooling	Nom.	A	54	60	65	71	80	90	103
		Max		A	70	75	81	91	99	116	131
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400						

Air cooled multi-scroll heat pump, high efficiency, standard/low sound

- Class A efficiency in heating mode
- Extended operation range: ambient temperatures from -10°C up to +46°C in cooling mode and down to -17°C in heating mode
- 2 truly independent refrigerant circuits
- Reduced footprint thanks to the V-shaped frame (EWYQ160-230F-XS/XL & EWYQ160-220F-XR)
- Reliable and efficient scroll compressors with high EER values
- Chiller series design entirely based on new European directives (EN14511, EN14825)
- Top serviceability level thanks to reduced weight, compact footprint and optimized components accessibility
- The unit can be equipped with a hydraulic module optimizing installation time, space and cost
- Wide range of available options and accessories
- Inverter fans management for enhanced part load efficiencies
- Nordic kit option to improve the chiller working conditions in heating mode
- MicroTech III controller with superior control logic and easy interface

Heating & Cooling				**EWYQ-F-XS/XL**	**160**	**190**	**210**	**230**	**310**	**340**	**380**	**400**	**430**	**510**	**570**	**630**
Space cooling	A Condition 35°C Pdc			kW						-						624.4
	ηs,c			%						-						171.7
SEER										-						4.367
Cooling capacity	Nom.			kW	164	184	205	231	304	335	376	401	427	502	565	624
Heating capacity	Nom.			kW	173	197	227	254	329	362	404	429	463	535	607	674
Power input	Cooling	Nom.		kW	57.6	63.3	70.3	79.3	102	114	129	138	145	172	195	214
	Heating	Nom.		kW	54.0	61.6	70.5	79.2	101	113	126	133	140	167	190	210
Capacity control	Method									Step						Staged
	Minimum capacity			%						25.0					17.0	
EER					2.84	2.91	2.92		2.99	2.93	2.91	2.90	2.94	2.92	2.90	2.91
ESEER					3.73	3.89	3.81	3.71	4.07	4.19	3.99	3.96	4.14	4.20	3.98	4.06
COP					3.20		3.22	3.21	3.24	3.21		3.23	3.30	3.21	3.20	3.21
IPLV					4.45	4.47	4.55	4.38	4.56	4.61	4.38	4.50	4.70	4.71	4.56	4.74
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	128	134	129		143	147	-					
			SCOP		3.28	3.42	3.31	3.30	3.64	3.75	-					
Dimensions	Unit	Height		mm	2,270				2,220							
		Width		mm	1,200				2,258							
		Depth		mm	4,370		5,270		4,125			5,025		5,925		6,825
Weight (XS)	Unit			kg	1,430	1,850	2,300	2,350	2,900	2,910	2,920	3,730	3,750	4,250	4,280	4,670
	Operation weight			kg	1,470	1,890	2,340	2,390	2,980	2,990	3,000	3,840	3,850	4,370	4,400	4,780
Weight (XL)	Unit			kg	1,520	1,940	2,400	2,440	3,060	3,070	3,080	3,890	3,900	4,400	4,440	4,820
	Operation weight			kg	1,570	1,980	2,440	2,480	3,130	3,150	3,160	3,990	4,010	4,520	4,550	4,940
Water heat exchanger	Type									Plate heat exchanger						
	Water flow rate	Cooling	Nom.	l/s	7.8	8.8	9.8	11.1	14.6	16.0	18.0	19.2	20.4	24.0	27.1	29.9
		Heating	Nom.	l/s	8.3	9.5	10.9	12.2	15.9	17.5	19.5	20.7	22.3	25.8	29.3	32.5
	Water pressure drop	Cooling	Nom.	kPa	22	28	36	40	21	27	30	29	34	37	42	56
		Heating	Nom.	kPa	25	32	43	50	25	31	37	33	40	43	50	66
	Water volume			l	18				44			60		70		
Air heat exchanger	Type									High efficiency fin and tube type with integral subcooler						
Compressor	Type									Scroll compressor						
	Quantity								4					6		
Fan	Type									Direct propeller						
	Quantity				4		5		8			10		12		14
	Air flow rate	Nom.		l/s	22,577	21,593	26,992		43,187			55,213	53,983	64,780		75,577
	Speed			rpm						900						
Sound power level (XS)	Cooling	Nom.		dBA	92.0	94.0	95.0		97.0		98.0	99.0			100.0	
Sound power level (XL)	Cooling	Nom.		dBA	89.0	92.0	93.0		95.0			96.0		97.0		98.0
Sound pressure level (XS)	Cooling	Nom.		dBA	72.0	74.0	75.0	76.0	77.0		78.0		79.0			80.0
Sound pressure level (XL)	Cooling	Nom.		dBA	70.0	73.0		74.0	75.0			76.0		77.0		
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~46											
		Heating	Min.~Max.	°CDB	-17~20											
	Water side	Cooling	Min.~Max.	°CDB	-13~15											
		Heating	Min.~Max.	°CDB	25~50											
Refrigerant	Type / GWP									R-410A / 2,087.5						
	Circuits	Quantity								2						
Refrigerant charge	Per circuit			kg	16.0	20.0		24.0	35.0	36.0	35.0	46.0		55.0	52.5	68.0
				TCO_2eq	33.4	41.8		50.1	73.1	75.2	73.1	96.0		114.8	109.6	142.0
Piping connections	Evaporator water inlet/outlet (OD)					2.5"				3"						
Unit	Starting current	Max		A	282	536	353	560	600	516	637	659	666	648	787	827
	Running current	Cooling	Nom.	A	115	140	128	162	193	205	235	251	257	307	353	384
		Max		A	138	165	164	196	246	264	295	316	330	396	442	491
Power supply	Phase/Frequency/Voltage			Hz/V						3~/50/400						

Air cooled multi-scroll heat pump, high efficiency, reduced sound



EWYQ-F-XS/XL/XR



MicroTech III

Heating & Cooling				EWYQ-F-XR	160	180	200	220	300	330	360	390	420	490	550	610
Space cooling	A Condition 35°C	Pdc		kW	-											606.1
	ηs,c			%	-											171.8
SEER					-											4.371
Cooling capacity	Nom.			kW	158	178	199	223	296	326	363	389	415	487	546	606
Heating capacity	Nom.			kW	173	197	227	254	329	362	404	429	463	535	607	674
Power input	Cooling	Nom.		kW	56.2	62.3	68.4	77.9	97.4	111	127	134	141	167	191	210
	Heating	Nom.		kW	54.0	61.6	70.5	79.2	101	113	126	133	140	167	190	210
Capacity control	Method				Step											Staged
	Minimum capacity			%	25.0									17.0		
EER					2.81	2.86	2.92	2.87	3.04	2.93	2.86	2.90	2.93	2.91	2.85	2.89
ESEER					4.33	4.39	4.38	4.19	4.63	4.68	4.37	4.44	4.60	4.83	4.50	4.62
COP					3.20		3.22	3.21	3.24	3.21		3.23	3.30	3.21	3.20	3.21
IPLV					5.11	5.18	5.22	4.96	5.25	5.35	4.97	5.08	5.25	5.54	5.13	5.36
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	128	134	129		143	147	-					
			SCOP		3.28	3.42	3.31	3.30	3.64	3.75	-					
Dimensions	Unit	Height		mm	2,270				2,220							
		Width		mm	1,200				2,258							
		Depth		mm	4,370		5,270		4,125			5,025		5,925		6,825
Weight	Unit			kg	1,520	1,940	2,400	2,440	3,060	3,070	3,080	3,890	3,900	4,400	4,440	4,820
	Operation weight			kg	1,570	1,980	2,440	2,480	3,130	3,150	3,160	3,990	4,010	4,520	4,550	4,940
Water heat exchanger	Type				Plate heat exchanger											
	Water flow rate	Cooling	Nom.	l/s	7.5	8.5	9.6	10.7	14.2	15.6	17.4	18.6	19.8	23.3	26.1	29.0
		Heating	Nom.	l/s	8.3	9.5	10.9	12.2	15.9	17.5	19.5	20.7	22.3	25.8	29.3	32.5
	Water pressure drop	Cooling	Nom.	kPa	20	26	34	38	20	25	28	27	32	35	39	53
		Heating	Nom.	kPa	25	32	43	50	25	31	37	33	40	43	50	66
	Water volume			l	18				44			60		70		
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler											
Compressor	Type				Scroll compressor											
	Quantity				4									6		
Fan	Type				Direct propeller											
	Quantity				4		5		8			10		12		14
	Air flow rate	Nom.		l/s	17,380	16,564	20,706		33,129			42,431	41,411	49,693		57,975
	Speed			rpm	700											
Sound power level	Cooling	Nom.		dBA	83.0	84.0	86.0		88.0		89.0	90.0		92.0		
Sound pressure level	Cooling	Nom.		dBA	64.0	65.0	66.0	67.0	69.0			70.0		71.0		
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~46											
		Heating	Min.~Max.	°CDB	-17~20											
	Water side	Cooling	Min.~Max.	°CDB	-13~15											
		Heating	Min.~Max.	°CDB	25~50											
Refrigerant	Type / GWP				R-410A / 2,087.5											
	Circuits	Quantity			2											
Refrigerant charge	Per circuit			kg	16.0	18.0	20.0	24.0	35.0	36.0	35.0	46.0		55.0		68.0
				TCO_2eq	33.4	37.6	41.8	50.1	73.1	75.2	73.1	96.0		114.8		142.0
Piping connections	Evaporator water inlet/outlet (OD)				2.5"				3"							
Unit	Starting current	Max		A	276	530	346	553	589	505	626	645	652	631	770	807
	Running current	Cooling	Nom.	A	114	138	126	160	187	201	232	245	252	301	350	379
		Max		A	133	160	157	189	235	253	283	302	316	379	425	471
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400											

Air cooled screw inverter heat pump, standard efficiency, standard sound

› Ideal solution for commercial comfort cooling and/or heating applications
› Optimum ESEER values
› 2-3 truly independent refrigerant circuits
› Low starting current
› DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
› Standard electronic expansion valve
› Optimised defrost cycles
› Partial and total heat recovery option available
› Power factor up to 0.95
› PID microprocessor control

Heating & Cooling				EWYD-BZSS	250	270	290	320	340	370	380	410	440	460	510	520	580
Cooling capacity	Nom.			kW	253	272	291	323	337	363	380	411	433	455	502	519	580
Heating capacity	Nom.			kW	271	298	325	334	350	380	412	445	465	477	533	561	618
Power input	Cooling	Nom.		kW	91.3	101	110	117	125	135	144	154	165	163	182	189	218
	Heating	Nom.		kW	91.4	100	108	118	126	133	143	157	167	165	178	186	208
Capacity control	Method				Stepless												
	Minimum capacity			%	13.0									9.0			
EER					2.77	2.70	2.65	2.75	2.69	2.68	2.63	2.66	2.62	2.79	2.76	2.74	2.67
ESEER					3.93	3.92	3.89	3.95	3.89	3.90	3.82	3.91	3.89	4.18	4.01		3.93
COP					2.96	2.97	3.00	2.82	2.78	2.85	2.88	2.83	2.79	2.88	2.99	3.01	2.97
IPLV					4.58	4.62		4.75	4.64	4.71	4.67	4.73	4.69	4.85	4.89	4.85	4.78
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	125						-						
			SCOP		3.21		3.20		3.21		-						
Dimensions	Unit	Height		mm	2,335									2,280			
		Width		mm	2,254												
		Depth		mm	3,547			4,428				5,329		6,659			
Weight	Unit			kg	3,410	3,455	3,500	3,870		3,940	4,010	4,390		5,015	5,495	5,735	
	Operation weight			kg	3,550	3,595	3,640	4,010		4,068	4,138	4,518		5,255	5,724	5,964	5,953
Water heat exchanger	Type				Single pass shell & tube												
	Water flow rate	Cooling	Nom.	l/s	12.1	13.0	13.9	15.5	16.2	17.4	18.2	19.7	20.8	21.8	24.1	24.9	27.8
		Heating	Nom.	l/s	13.1	14.4	15.7	16.1	16.9	18.3	19.8	21.4	22.4	23.0	25.6	27.0	29.7
	Water pressure drop	Cooling	Nom.	kPa	40	46	44	50	55	60	65	74	80	47	85	91	61
		Heating	Nom.	kPa	30	35	52	37	40	45	51	59	64	42	63	69	59
	Water volume			l	138			133			128			240	229		218
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler												
Compressor	Type				Single screw compressor												
	Quantity				2									3			
Fan	Type				Direct propeller												
	Quantity				6			8				10		12			
	Air flow rate	Nom.		l/s	31,729	31,422	31,115	42,306		42,337	41,487	52,882		63,458	62,640	61,652	62,231
	Speed			rpm	900												
Sound power level	Cooling	Nom.		dBA	101.0							102.0		104.0			
Sound pressure level	Cooling	Nom.		dBA	82.0							83.0		84.0			
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~45												
		Heating	Min.~Max.	°CDB	-10~20												
	Water side	Cooling	Min.~Max.	°CDB	-8~15												
		Heating	Min.~Max.	°CDB	35~55												
Refrigerant	Type / GWP				R-134a / 1,430												
	Circuits	Quantity			2									3			
Refrigerant charge	Per circuit			kg	43.0	44.0	43.0	46.0		46.5	47.0	50.0		47.0			49.0
				TCO_2eq	61.5	62.9	61.5	65.8		66.5	67.2	71.5		67.2			70.1
Piping connections	Evaporator water inlet/outlet (OD)				139.7mm									219.1mm			
Unit	Starting current	Max		A	150			181		204		224	238	245	300	323	
	Running current	Cooling	Nom.	A	137	150	164	176	188	202	214	229	244	246	270	281	322
		Max		A	211		212	254		288		316	336	329	398	432	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400												

Air cooled screw inverter heat pump, standard efficiency, low sound



EWYD-BZSS/SL MicroTech II

Heating & Cooling					EWYD-BZSL	250	270	290	320	330	360	370	400	430	450	490	510	570
Cooling capacity	Nom.			kW		247	265	290	315	330	353	370	401	423	446	490	507	565
Heating capacity	Nom.			kW		271	298	325	334	350	380	412	445	465	477	533	561	618
Power input	Cooling	Nom.		kW		89.5	99.5	110	115	123	134	144	151	163	158	177	186	216
	Heating	Nom.		kW		91.4	100	108	118	126	133	143	157	167	165	178	186	208
Capacity control	Method					Stepless												
	Minimum capacity			%		13.0									9.0			
EER						2.76	2.66	2.62	2.75	2.68	2.64	2.57	2.66	2.59	2.83	2.77	2.73	2.61
ESEER						4.06	4.04	4.03	4.17	4.09	4.04	4.01	4.06	4.02	4.18	4.16	4.10	3.98
COP						2.96	2.97	3.00	2.82	2.78	2.85	2.88	2.83	2.79	2.88	2.99	3.01	2.97
IPLV						4.90	4.96	4.91	5.17	5.08	5.12	5.06	5.22	5.13	5.07	5.03	4.99	4.90
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%		125						-						
			SCOP			3.21		3.20		3.21		-						
Dimensions	Unit	Height		mm		2,335									2,280			
		Width		mm		2,254												
		Depth		mm		3,547			4,428				5,329		6,659			
Weight	Unit			kg		3,750	3,795	3,840	4,210		4,280	4,350	4,730		5,525	6,005	6,245	
	Operation weight			kg		3,888	3,933	3,978	4,343		4,408	4,478	4,858		5,765	6,234	6,474	6,463
Water heat exchanger	Type					Single pass shell & tube												
	Water flow rate	Cooling	Nom.	l/s		11.8	12.7	13.9	15.1	15.8	16.9	17.7	19.2	20.3	21.4	23.5	24.3	27.1
		Heating	Nom.	l/s		13.1	14.4	15.7	16.1	16.9	18.3	19.8	21.4	22.4	23.0	25.6	27.0	29.7
	Water pressure drop	Cooling	Nom.	kPa		38	44	42	48	53	57	62	71	77	45	82	87	58
		Heating	Nom.	kPa		30	35	52	37	40	45	51	59	64	42	63	69	59
	Water volume			l		138			133		128				240	229		218
Air heat exchanger	Type					High efficiency fin and tube type with integral subcooler												
Compressor	Type					Single screw compressor												
	Quantity					2									3			
Fan	Type					Direct propeller												
	Quantity					6			8				10		12			
	Air flow rate	Cooling	Nom.	l/s		24,432	24,264	24,095	32,576		32,628	32,127	40,720		48,863	48,415	47,732	48,191
	Speed			rpm		700												
Sound power level	Cooling	Nom.		dBA		94.0			95.0						97.0			
Sound pressure level	Cooling	Nom.		dBA		76.0									77.0			
Operation range	Air side	Cooling	Min.~Max.	°CDB		-10~45												
		Heating	Min.~Max.	°CDB		-10~20												
	Water side	Cooling	Min.~Max.	°CDB		-8~15												
		Heating	Min.~Max.	°CDB		35~55												
Refrigerant	Type / GWP					R-134a / 1,430												
	Circuits	Quantity				2									3			
Refrigerant charge	Per circuit			kg		43.0	44.0	43.0	46.0		46.5	47.0	50.0		47.0			49.0
				TCO_2eq		61.5	62.9	61.5	65.8		66.5	67.2	71.5		67.2			70.1
Piping connections	Evaporator water inlet/outlet (OD)					139.7mm									219.1mm			
Unit	Starting current	Max		A		145		146	176		199		217	231	234	288	311	305
	Running current	Cooling	Nom.	A		134	148	163	171	184	199	212	224	240	238	263	275	319
		Max		A		202		203	243		277		302	322	313	381	415	406
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400												



EWYD-4Z
Air to water
Multipurpose unit

4-pipe system solution with full inverter technology
For independent and simultaneous cooling and heating all year round

1

Top class efficiency

Total Energy Ratio up to 8.8

Full inverter technology: the best choice for every application

Daikin single screw compressor with integrated inverter and Variable Volume Ratio Technology

The inverter integrated in the compressor is refrigerant cooled:

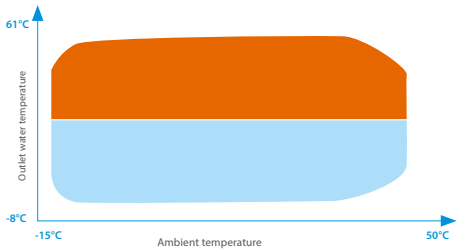
› Safe and robust cooling system, totally independent from outdoor ambient conditions and air quality.
› Suitable even for aggressive installation such as industrial or desert application.

The volume ratio will change by moving the sliding valves. **VVR** changes the point at which the gas leaves the compressor, and therefore changes the pressures at discharge which will be optimal at any condition.

2

Application flexibility

Wide operating envelope for cooling and heating



Extra capacity in Boosted operation
Thanks to the variable speed drive of the compressor is possible to benefit of an "extra" capacity during the coldest days in winter or the hottest days in summer.

Rapid Restart functionality
In case of power failure DAIKIN 4Z is able to restart in less than 30 sec. The UPS installed in electrical box keeps the unit controller always powered. Is also possible to give, if needed, priority to restore the cooling or the heating load.

3

Best solution for simultaneous cooling and heating

Big multipurpose buildings, hotels, hospital are just a few examples of application for multipurpose units

Check on YouTube
www.youtube.com/DaikinEurope

› Daikin EWYD-4Z Multipurpose Unit

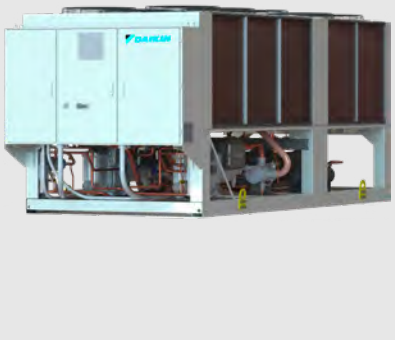


› Daikin EWYD-4Z Multipurpose Unit – Behind the scenes



Air to Water Multipurpose unit

- Best solution for independent and simultaneous cooling and heating all year round
- Top class efficiency due to Full inverter technology
- Daikin single screw compressor with integrated inverter and Variable Volume Ratio Technology
- High Efficiency Inverter fans with optimized geometry ensures the best ratio between airflow and power input.
- Wide operating envelope for cooling and heating with extra capacity in Boosted operation and Rapid Restart functionality



EWYD-4ZXS



MicroTech III

Multipurpose		EWYD-4ZXS	400	450	500	550	600	650	700	800	900	C10	C11	C12	C13	C14
Air to water – cooling only (1)	Nominal Rated Capacity – Gross	kW	403	453	504	552	604	655	705	804	903	1003	1103	1207	1307	1429
	EER – Gross		3.19	3.28	3.27	3.28	3.27	3.23	3.41	3.40	3.32	3.30	3.35	3.31	3.34	3.20
	Nominal Rated Capacity – Net	kW	402	452	503	551	602	654	703	802	901	1001	1101	1204	1303	1423
	EER – Net		3.17	3.25	3.25	3.25	3.24	3.19	3.37	3.36	3.28	3.27	3.32	3.28	3.29	3.15
Air to water – heating only (2)	Nominal Rated Capacity – Gross	kW	402	453	502	549	599	653	701	800	899	1001	1099	1199	1307	1423
	COP – Gross		3.34	3.53	3.47	3.49	3.47	3.40	3.58	3.57	3.58	3.55	3.64	3.59	3.46	3.48
	Nom. Rated Capacity – Net	kW	403	453	504	551	601	655	702	803	902	1003	1102	1202	1312	1429
	COP – Net		3.33	3.52	3.45	3.47	3.45	3.38	3.55	3.54	3.55	3.53	3.62	3.56	3.43	3.45
Water to water – Cooling + heating (3)	Nom. Rated Capacity COOLING – Gross	kW	314	356	395	432	476	513	551	632	708	794	869	950	1028	1120
	Nom. Rated Capacity HEATING – Gross	kW	402	454	502	548	602	651	702	801	895	997	1095	1202	1299	1421
	TER – Gross		8.14	8.32	8.35	8.43	8.57	8.44	8.30	8.47	8.57	8.82	8.72	8.55	8.59	8.44
	Nom. Rated Capacity COOLNG – Net	kW	313	356	394	430	475	511	549	630	705	792	867	947	1023	1114
	Nom. Rated Capacity HEATING – Net	kW	402	455	503	549	603	653	704	803	898	999	1097	1205	1303	1426
	TER – Net		8.03	8.19	8.20	8.24	8.38	8.23	8.10	8.26	8.34	8.65	8.52	8.33	8.31	8.13
Dimensions	Height	mm	2455													
	Width	mm	2240													
	Length	mm	5775		6675		7575		8475		9425	10375	11325	12275	13225	14175
Weight	Unit Weight	kg	6600	6710	7480	7480	8250	9020	9020	9020	9790	10560	11330	12100	12870	14500
	Operating Weight	kg	6898	7008	7982	7960	8828	9598	9607	9598	10350	11522	12262	13032	13772	15402
	Cold/Hot side water connections	mm	139.7				168.3					219.1				
Sound level	Sound Power – Cooling (4)	dB(A)	99		99		100		102			103				104
	Sound Pressure – Cooling at 1 m (5)	dB(A)	78	77		78		79				80				81
	Sound Power – Heating (4)	dB(A)	98			99		100	101	102		103			104	
	Sound Pressure – Heating at 1 m (5)	dB(A)	78	77			78		79			80			81	
Water heat exchangers – Cold Side	Water Volume	l	149		262	240	298		307	280		481			451	
	Water flow rate (1)	l/s	19.2	21.6	24.0	26.3	28.8	31.3	33.6	38.3	43.1	47.8	52.6	57.6	62.4	68.2
	Water pressure drop (1)	kPa	13.7	16.9	20.5	31.4	28.0	32.7	33.9	31.5	38.9	26.4	31.3	36.4	51.9	62.5
Water heat exchangers – Hot Side	Water Volume	l	149		240		280		298		280	481	451			
	Water flow rate (2)	l/s	19.4	21.9	24.3	26.6	29.0	31.6	33.9	38.7	43.5	48.4	53.2	58.0	63.2	68.8
	Water pressure drop (2)	kPa	13.0	16.1	23.9	27.6	30.0	35.3	32.8	42.5	37.4	23.4	34.4	40.2	48.7	55.8
Fan	Quantity	n	10		12		14		16		18	20	22	24	26	30
	Nominal air flow (1)	l/s	38889		46667		54444		62222		70000	77778	85556	93333	101111	116667
Compressor	Type		Single screw													
	Oil charge	l	26						36							
	Quantity	n.	2													
Refrigerant circuit	Refrigerant type		R134a													
	Refrigerant charge	kg	170	175	190	210	235	255	265	285	325	380	400	410	465	495
	Circuits	n.	2													
Power Supply	Phase/Frequency/Voltage	Hz/V	3~/50/400													

Fluid: Water; Fouling factor = 0

(1) Operation in Air to water "Cooling only" mode rated at 35°C ambient temperature, 50% R.H.; Entering water temperature 12°C, Outlet water temperature 7°C.

(2) Operation in Air to water "Heating only" mode rated at 7°C ambient temperature, 85% R.H; Entering water temperature 40°C, Outlet water temperature 45°C.

(3) Operation in Water to water "Cooling + Heating" mode rated with water flowing on cold and hot heat exchangers determined respectively at conditions (1) and (2) - Chilled water outlet temperature 7°C, Hot water outlet temperature 45°C.

(4) Sound power level are referred to condition (1) for Cooling and (2) for Heating. The data are measured in accordance with ISO 9614 and Eurovent 8/1 for Eurovent certified units. The certification refers only to the overall sound power level.

(5) Sound pressure is calculated from the sound power level and it is for information only and not considered binding. All the above data are referred to standard units without options and are subject to change without notice.

Air to Water Multipurpose unit

› Best solution for independent and simultaneous cooling and heating all year round
› Top class efficiency due to Full inverter technology
› Daikin single screw compressor with integrated inverter and Variable Volume Ratio Technology
› High Efficiency Inverter fans with optimized geometry ensures the best ratio between airflow and power input.
› Wide operating envelope for cooling and heating with extra capacity in Boosted operation and Rapid Restart functionality

Multipurpose		EWYD-4ZXL		400	450	500	550	600	650	700	800	900	C10	C11	C12	C13	C14
Air to water – cooling only (1)		Nominal Rated Capacity – Gross	kW	399	449	500	548	599	650	697	794	892	991	1091	1192	1291	1411
		EER – Gross		3.30	3.35	3.38	3.35	3.36	3.34	3.51	3.44	3.35	3.33	3.41	3.37	3.40	3.26
		Nominal Rated Capacity – Net	kW	399	448	499	546	598	649	696	792	890	989	1088	1189	1287	1405
		EER – Net		3.28	3.33	3.35	3.32	3.33	3.30	3.47	3.40	3.31	3.30	3.37	3.33	3.35	3.21
Air to water – heating only (2)		Nominal Rated Capacity – Gross	kW	398	448	498	544	594	647	694	795	895	994	1087	1186	1296	1415
		COP – Gross		3.61	3.80	3.75	3.75	3.75	3.68	3.87	3.88	3.91	3.77	3.85	3.84	3.69	3.78
		Nom. Rated Capacity – Net	kW	398	449	499	545	595	649	696	798	897	996	1090	1189	1301	1420
		COP – Net		3.59	3.78	3.73	3.73	3.72	3.66	3.84	3.85	3.88	3.75	3.83	3.81	3.66	3.74
Water to water – Cooling + heating (3)		Nom. Rated Capacity COOLING – Gross	kW	311	352	395	432	470	513	545	632	709	795	870	939	1028	1121
		Nom. Rated Capacity HEATING – Gross	kW	398	448	502	548	593	651	694	801	896	998	1095	1188	1299	1422
		TER – Gross		8.13	8.30	8.35	8.44	8.61	8.45	8.30	8.48	8.57	8.82	8.73	8.53	8.60	8.45
		Nom. Rated Capacity COOLNG – Net	kW	310	351	394	431	468	512	543	630	706	793	867	936	1024	1115
		Nom. Rated Capacity HEATING – Net	kW	398	449	503	550	595	653	696	804	898	1000	1098	1192	1304	1427
		TER – Net		8.02	8.17	8.20	8.25	8.42	8.24	8.10	8.26	8.35	8.66	8.53	8.32	8.33	8.15
Dimensions		Height	mm	2455													
		Width	mm	2240													
		Length	mm	5775		6675		7575	8475			9425	10375	11325	12275	13225	14175
Weight		Unit Weight	kg	6600	6710	7480		8250	9020			9790	10560	11330	12100	12870	14500
		Operating Weight	kg	6898	7008	7982	7960	8828	9598	9607	9598	10350	11522	12262	13032	13772	15402
		Cold/Hot side water connections	mm	139.7		168.3							219.1				
Sound level		Sound Power – Cooling (4)	dB(A)	93	92	93		94		96		97				98	
		Sound Pressure – Cooling at 1 m (5)	dB(A)	72	71	72		73	74	75							
		Sound Power – Heating (4)	dB(A)	92		93	93	94	95	96		97				98	
		Sound Pressure – Heating at 1 m (5)	dB(A)	72	71	72		74	75	74		75					
Water heat exchangers	Cold Side	Water Volume	l	149		262	240	298		307	280		481			451	
		Water flow rate (1)	l/s	19.0	21.4	23.9	26.1	28.6	31.0	33.3	37.9	42.6	47.3	52.0	56.9	61.6	67.3
		Water pressure drop (1)	kPa	13.5	16.7	20.2	30.9	27.6	32.3	33.2	30.8	38.0	25.8	30.7	35.6	50.8	61.1
	Hot Side	Water Volume	l	149		240		280		298		280	481		451		
		Water flow rate (2)	l/s	19.2	21.7	24.1	26.3	28.7	31.3	33.6	38.5	43.3	48.1	52.6	57.4	62.7	68.4
		Water pressure drop (2)	kPa	12.8	15.8	23.5	27.1	29.5	34.7	32.3	41.9	37.1	23.2	33.8	39.5	48.0	55.2
Fan		Quantity	n	10	10	12	12	14	16	16	16	18	20	22	24	26	30
		Nominal air flow (1)	l/s	34722		41667		48611	55556			62500	69444	76389	83333	90278	104167
Compressor		Type		Single screw													
		Oil charge	l	26						36							
		Quantity	n.	2													
Refrigerant circuit		Refrigerant type		R134a													
		Refrigerant charge	kg	170	175	190	210	235	255	265	285	325	380	400	410	465	495
		Circuits	n.	2													
Power Supply		Phase/Frequency/Voltage	Hz/V	3~/50/400													

Fluid: Water; Fouling factor = 0
(1) Operation in Air to water "Cooling only" mode rated at 35°C ambient temperature, 50% R.H.; Entering water temperature 12°C, Outlet water temperature 7°C.
(2) Operation in Air to water "Heating only" mode rated at 7°C ambient temperature, 85% R.H; Entering water temperature 40°C, Outlet water temperature 45°C.
(3) Operation in Water to water "Cooling + Heating" mode rated with water flowing on cold and hot heat exchangers determined respectively at conditions (1) and (2) - Chilled water outlet temperature 7°C, Hot water outlet temperature 45°C.
(4) Sound power level are referred to condition (1) for Cooling and (2) for Heating. The data are measured in accordance with ISO 9614 and Eurovent 8/1 for Eurovent certified units. The certification refers only to the overall sound power level.
(5) Sound pressure is calculated from the sound power level and it is for information only and not considered binding.
All the above data are referred to standard units without options and are subject to change without notice.

Air to Water Multipurpose unit



EWYD-4ZXL/XR



MicroTech III

Multipurpose		EWYD-4ZXR		400	450	500	550	600	650	700	800	900	C10	C11	C12	C13	C14
Air to water – cooling only (1)		Nominal Rated Capacity – Gross	kW	358	401	453	497	549	598	620	691	793	890	968	1071	1162	1274
		EER – Gross		3.07	3.08	3.15	3.09	3.13	3.10	3.22	3.10	2.98	2.95	3.09	3.03	3.07	2.98
		Nominal Rated Capacity – Net	kW	358	400	452	496	548	597	619	690	791	888	966	1068	1159	1270
		EER – Net		3.05	3.06	3.12	3.06	3.11	3.07	3.19	3.08	2.95	2.93	3.06	3.01	3.03	2.94
Air to water – heating only (2)		Nominal Rated Capacity – Gross	kW	358	398	451	492	549	599	620	689	794	890	968	1067	1161	1274
		COP – Gross		3.49	3.66	3.66	3.65	3.61	3.58	3.70	3.74	3.74	3.72	3.80	3.75	3.75	3.72
		Nom. Rated Capacity – Net	kW	358	399	452	493	551	601	621	691	796	892	970	1070	1165	1279
		COP – Net		3.48	3.65	3.65	3.63	3.59	3.55	3.67	3.71	3.71	3.71	3.78	3.72	3.73	3.68
Water to water – Cooling + heating (3)		Nom. Rated Capacity COOLING – Gross	kW	280	313	356	389	436	474	488	545	629	710	774	849	924	1010
		Nom. Rated Capacity HEATING – Gross	kW	359	399	452	493	549	599	623	692	796	893	970	1066	1161	1276
		TER – Gross		8.10	8.28	8.34	8.46	8.69	8.58	8.22	8.41	8.54	8.78	8.89	8.79	8.79	8.59
		Nom. Rated Capacity COOLNG – Net	kW	280	313	355	388	435	473	486	544	628	709	772	846	920	1005
		Nom. Rated Capacity HEATING – Net	kW	360	400	453	494	551	601	624	694	798	895	972	1069	1164	1280
		TER – Net		7.99	8.17	8.20	8.29	8.51	8.38	8.05	8.23	8.35	8.63	8.72	8.60	8.55	8.32
Dimensions		Height	mm	2455													
		Width	mm	2240													
		Length	mm	5775		6675		7575	8475			9425	10375	11325	12275	13225	14175
Weight		Unit Weight	kg	7100	7210	7980	7980	8750	9520	9720	9720	10490	11260	12030	12800	13570	15200
		Operating Weight	kg	7398	7508	8482	8460	9328	10098	10307	10298	11050	12222	12962	13732	14472	16102
		Cold/Hot side water connections	mm	139.7	139.7	168.3	168.3	168.3	168.3	168.3	168.3	168.3	219.1	219.1	219.1	219.1	219.1
Sound level		Sound Power – Cooling (4)	dB(A)	87	86	87		88		90			91			92	
		Sound Pressure – Cooling at 1 m (5)	dB(A)	66						68	69						
		Sound Power – Heating (4)	dB(A)	88		89			90	91	92				93		94
		Sound Pressure – Heating at 1 m (5)	dB(A)	68	67	68				69	70						
Water heat exchangers	Cold Side	Water Volume	l	149		262	240	298		307	280		481			451	
		Water flow rate (1)	l/s	17.1	19.1	21.6	23.7	26.2	28.5	29.6	33.0	37.8	42.4	46.2	51.1	55.4	60.8
		Water pressure drop (1)	kPa	11.1	13.6	16.9	25.8	23.4	27.7	26.7	24.0	30.7	21.3	24.8	29.2	41.6	50.9
	Hot Side	Water Volume	l	149		240		280		298		280	481		451		
		Water flow rate (2)	l/s	17.3	19.3	21.8	23.8	26.6	29.0	30.0	33.3	38.4	43.1	46.8	51.6	56.2	61.6
		Water pressure drop (2)	kPa	11.1	13.5	20.3	23.7	27.0	31.6	27.5	33.3	31.3	19.8	28.6	34.1	39.7	47.0
Fan		Quantity	n	10		12		14		16		18	20	22	24	26	30
		Nominal air flow (1)	l/s	19444		23333		27222		31111		35000	38889	42778	46667	50556	58333
Compressor		Type		Single screw													
		Oil charge	l	26						36							
		Quantity	n.	2													
Refrigerant circuit		Refrigerant type		R134a													
		Refrigerant charge	kg	170	175	190	210	235	255	265	285	325	380	400	410	465	495
		Circuits	n.	2													
Power Supply		Phase/Frequency/Voltage	Hz/V	3~/50/400													

Fluid: Water; Fouling factor = 0
(1) Operation in Air to water "Cooling only" mode rated at 35°C ambient temperature, 50% R.H.; Entering water temperature 12°C, Outlet water temperature 7°C.
(2) Operation in Air to water "Heating only" mode rated at 7°C ambient temperature, 85% R.H; Entering water temperature 40°C, Outlet water temperature 45°C.
(3) Operation in Water to water "Cooling + Heating" mode rated with water flowing on cold and hot heat exchangers determined respectively at conditions (1) and (2) - Chilled water outlet temperature 7°C, Hot water outlet temperature 45°C.
(4) Sound power level are referred to condition (1) for Cooling and (2) for Heating. The data are measured in accordance with ISO 9614 and Eurovent 8/1 for Eurovent certified units. The certification refers only to the overall sound power level.
(5) Sound pressure is calculated from the sound power level and it is for information only and not considered binding.
All the above data are referred to standard units without options and are subject to change without notice.

Air cooled screw condensing unit, standard efficiency, standard sound

› One refrigerant circuit with single screw compressor
› Compact design
› Large operation range (ambient temperature down to -18°C)
› Extensive option list (heat recovery option available)

Cooling only				ERAD-E-SS	120	140	170	200	220	250	310	370	440	490
Cooling capacity	Nom.			kW	121	144	165	196	219	251	309	370	435	488
Power input	Cooling	Nom.		kW	42.1	51.2	57.7	65.6	74.2	77.0	93.8	123	148	161
Capacity control	Method				Stepless									
	Minimum capacity			%	25.0									
EER					2.88	2.82	2.86	2.99	2.95	3.27	3.30	3.02	2.95	3.02
Dimensions	Unit	Height		mm	2,273						2,223			
		Width		mm	1,292						2,236			
		Depth		mm	2,165		3,065		3,965		3,070			
Weight	Unit			kg	1,584		1,741		1,936		2,679			
	Operation weight			kg	1,617		1,781		1,981		2,756			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler									
Compressor	Type				Single screw compressor									
	Quantity				1									
Fan	Type				Direct propeller									
	Air flow rate	Nom.		l/s	10,924	10,576	16,386	15,865	21,848	21,153	32,772		31,729	
	Quantity				2		3		4		6			
	Speed	Cooling	Nom.	rpm	900									
Sound power level	Cooling	Nom.		dBA	92.0				93.0	94.0		95.0		
Sound pressure level	Cooling	Nom.		dBA	74.0					75.0				76.0
Operation range	Saturated suction temp.			°C	-9~12									
	Condenser inlet temp.			°C	-18~48									
Refrigerant	Type / GWP				R-134a / 1,430									
	Circuits	Quantity			1									
Piping connections	Evaporator water inlet/outlet (OD)				76mm							139.7mm		
Unit	Maximum starting current			A	151		195		288		330	410		
	Nominal running current (RLA)	Cooling		A	72	88	98	110	125	129	158	204	244	266
	Maximum running current			A	86	103	119	132	157	164	198	242	284	298
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

Air cooled screw condensing unit, standard efficiency, low sound



ERAD-E-SS/SL



MicroTech III

Cooling only				ERAD-E-SL	120	140	160	190	210	240	300	350	410	460
Cooling capacity	Nom.			kW	116	137	159	187	209	243	298	352	409	462
Power input	Cooling	Nom.		kW	42.4	52.5	57.7	66.3	73.9	78.1	91.9	122	150	167
Capacity control	Method				Stepless									
	Minimum capacity			%	25.0									
EER					2.74	2.61	2.75	2.83		3.11	3.24	2.88	2.73	2.76
Dimensions	Unit	Height		mm	2,273						2,223			
		Width		mm	1,292						2,236			
		Depth		mm	2,165		3,065		3,965		3,070			
Weight	Unit			kg	1,684		1,841		2,036		2,789			
	Operation weight			kg	1,717		1,881		2,081		2,886			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler									
Compressor	Type				Single screw compressor									
	Quantity				1									
Fan	Type				Direct propeller									
	Air flow rate	Nom.		l/s	8,373	8,144	12,560	12,216	16,747	16,288	25,120		24,432	
	Quantity				2		3		4		6			
	Speed	Cooling	Nom.	rpm	700									
Sound power level	Cooling	Nom.		dBA	89.0		90.0		91.0	92.0				93.0
Sound pressure level	Cooling	Nom.		dBA	71.0					73.0				74.0
Operation range	Saturated suction temp			°C	-9~12									
	Condenser inlet temp			°C	-18~48									
Refrigerant	Type / GWP				R-134a / 1,430									
	Circuits	Quantity			1									
Piping connections	Evaporator water inlet/outlet (OD)				76mm							139.7mm		
Unit	Maximum starting current			A	151		195		288		330	410		
	Nominal running current (RLA)	Cooling		A	73	90	98	112	125	131	155	204	249	275
	Maximum running current			A	83	100	115	128	151	158	189	234	276	290
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

Water cooled scroll heat pump

- One of the most compact units on the market: 600mm x 600mm x 600mm
- Low energy consumption
- Low operating sound level
- Low refrigerant volume
- Stainless steel plate heat exchanger
- Extension possible to 183kW
- Easy installation and maintenance
- Remote cooling or heating selection
- Water/water heat pump, with water reversibility
- Standard integrated: water filter, flow switch, air purge, pressure ports
- Advanced µC²SE controller for direct connection to a Modbus based BMS or to a remote user interface

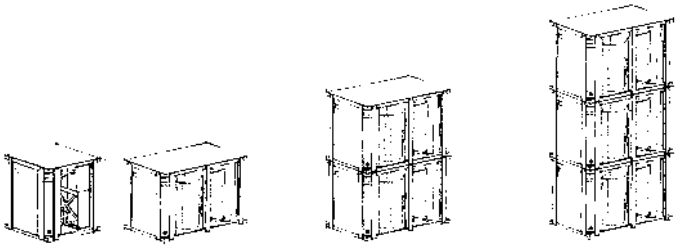


EWWQ-KBW1N µC2SE

Cooling only/Heating only				EWWQ-KBW1N	014	025	033	049	064	098	113	128	147	162	177	192
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	171	177	186	180	189				-			
			Seasonal space heating eff. class				A+++						-			
Cooling capacity	Nom.			kW	13.25	23.9	30.4	47.15	60.98	94	108	122	142	155	169	183
Power input	Cooling	Nom.		kW	3.15	5.72	7.3	11.42	14.58	22.7	25.8	28.9	33.9	37	40.1	43.2
Capacity control	Method						Fixed						-			
	Minimum capacity			%		100		50			25			16		
EER					4.209	4.177	4.164	4.127	4.182	4.17	4.19	4.22	4.18	4.2	4.22	4.24
ESEER					4.52	4.58	4.72	4.56	4.71	4.65	4.64	4.66	4.7	4.69	4.70	4.71
IPLV					5.13	5.27	5.41	5.36	5.47	5.36	5.42	5.47	5.36	5.4	5.44	5.47
Dimensions	Unit	Height		mm			600				1,200			1,800		
		Width		mm							600					
		Depth		mm		600						1,200				
Weight	Unit			kg	120	170	175	310	340	620	650	680	930	960	990	1,020
	Operation weight			kg	123	175	182	320	353	640	673	707	960	993	1,026	1,060
Water heat exchanger - evaporator	Type										Brazed plate					
	Water volume			l	1.23	1.93	2.68	4.5	5.93	9	10	12	14	15	16	18
	Water flow rate	Nom.		l/s	0.64	1.15	1.46	2.26	2.92	4.5	5.2	5.8	6.8	7.4	8.1	8.8
	Water pressure drop	Cooling	Nom.	kPa	19.6	28.5	25.7	24.3	25.3	24.3	25.2		24.3	25.2		
Water heat exchanger - condenser	Type										Brazed plate					
	Water volume			l	1.83	2.93	4.03	5.45	7.35	10.9	12.8	14.69	16.35	18.25	20.15	22.04
	Water flow rate	Nom.		l/s	0.78	1.41	1.83	2.78	3.61	5.57	6.39	7.21	8.35	9.17	10	10.8
	Water pressure drop	Cooling	Nom.	kPa	13.2	18.3	18.5	26.9	28.5	26.9	28.5		26.9	28.5		
Compressor	Type										Scroll compressor					
	Quantity					1		2			4			6		
Sound power level	Cooling	Nom.		dBA		64.0	71.0	67.0	74.0	71.0	75.0	77.0	73.0	77.0	78.0	79.0
Sound pressure level	Cooling	Nom.		dBA		50.0	57.0	53.0	60.0	55.70	59.70	61.70	56.9	60.9	61.9	62.9
Operation range	Evaporator	Cooling	Min.~Max.	°CDB							-10~20					
	Condenser	Cooling	Min.~Max.	°CDB							20~55					
Refrigerant	Type										R-410A					
	Charge			kg	1.2	2	3.1	4.6	5.6	9.4	10.2	11.2	13.8	14.8	15.8	16.8
	Circuits	Quantity				1		2			4			6		
Piping connections	Evaporator water inlet/outlet (OD)					G1"		G1" 1/2			2 x 2x G1" 1/2			3 x 3x G1" 1/2		
	Condenser water inlet/outlet (OD)					G1"		G1" 1/2			2 x 2x G1" 1/2			3 x 3x G1" 1/2		
Unit	Starting current	Max		A	61.8	101.9	137.9	117.55	158.63	148.86	189.93	200.09	180.16	221.24	231.39	241.54
	Running current	Cooling	Nom.	A	5.99	9.29	12.98	18.69	26.08	37.37	44.75	52.12	56.06	63.44	70.81	78.18
		Max		A	9.47	15.65	20.73	31.31	41.46	62.61	72.76	82.91	93.92	104.07	114.22	124.37
Power supply	Phase/Frequency/Voltage			Hz/V							3~/50/400					

Water cooled scroll chiller

Combination table



		Single Module					2 x Modules			3 x Modules			
Unit Index		**014**	**025**	**033**	**049**	**064**	**098**	**113**	**128**	**147**	**162**	**177**	**192**
Capacity (kW)		**13**	**24**	**31**	**49**	**64**	**98**	**113**	**128**	**147**	**162**	**177**	**192**
Unit + control factory mounted	EWWQ014KBW1N	1	-	-	-	-	-	-	-	-	-	-	-
	EWWQ025KBW1N	-	1	-	-	-	-	-	-	-	-	-	-
	EWWQ033KBW1N	-	-	1	-	-	-	-	-	-	-	-	-
	EWWQ049KBW1N	-	-	-	1	-	-	-	-	-	-	-	-
	EWWQ064kBW1N	-	-	-	-	1	-	-	-	-	-	-	-
Modular unit (controller available as accessory)	EWWQ049KAW1M	-	-	-	-	-	2	1	-	3	2	1	-
	EWWQ064KAW1M	-	-	-	-	-	-	1	2	-	1	2	3
Controller for modular unit	ECB2MUAW	-	-	-	-	-	1	1	1	-	-	-	-
	ECB3MUAW	-	-	-	-	-	-	-	-	1	1	1	1

Note 1: the above combination table is also valid for standard models with OPZL or OPZH.

Note 2: condenserless versions are only available as single modules only.



Water cooled multi-scroll chiller reversing on refrigerant side, standard efficiency, standard sound

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- Heat pump version with reversibility on refrigerant side available, ideal for geothermal applications
- Compact design to allow easy indoor installation or retrofit operations
- Conceived for stacked installation of two single circuit units to reduce the footprint
- High efficiency and reliable scroll compressor
- High flexibility for a wide variety of applications
- Allows sequencing control (up to 4 units) without any external device
- Stainless steel plate heat exchanger
- Pump (low 100 kPa and high 200 kPa lift) available for evaporator and condenser



EWHQ-G-SS Microtech III

- MicroTech III controller with superior control logic and easy interface

Heating & Cooling					EWHQ-G-SS	100	120	130	150	160	190	210	240	270	340	400
Cooling capacity	Nom.			kW		87.3	100.0	111	127	141	160	181	208	232	291	352
Heating capacity	Nom.			kW		112	128	144	162	179	205	233	266	299	375	454
Capacity control	Method					Step										
	Minimum capacity			%		50.0	43.0	50.0	44.0	50.0	45.0	50.0	43.0	50.0	40.0	50.0
Power input	Cooling	Nom.		kW		22.4	25.3	28.5	32.0	35.6	41.1	46.0	53.3	59.1	73.7	88.4
	Heating	Nom.		kW		27.0	30.9	35.2	39.3	43.6	50.4	56.6	64.7	72.2	90.3	109
EER						3.90	3.95	3.91	3.96	3.95	3.90	3.93	3.90	3.92	3.95	3.98
COP						4.15	4.16	4.09	4.12	4.11	4.07	4.11	4.10	4.14	4.16	4.18
ESEER						4.70	4.84	4.65	4.86	4.80	4.89	4.86	4.83	4.79	4.90	4.83
IPLV						6.02	6.14	5.66	5.84	5.73	5.84	5.81	5.87	5.71	5.86	5.79
Dimensions	Unit	HeightxWidthxDepth		mm		1,066x928x2,432		1,066x928x2,264			1,066x928x2,432				1,186x928x2,432	
Weight	Unit			kg		519	608	728	770	808	838	880	930	941	1,090	1,203
	Operation weight			kg		558	654	782	830	873	908	995	1,019	1,031	1,202	1,334
Water heat exchanger - evaporator	Type					Plate heat exchanger										
	Water flow rate	Cooling	Nom.	l/s		4.2	4.8	5.3	6.1	6.7	7.7	8.7	10.0	11.1	13.9	16.9
		Heating	Nom.	l/s		4.1	4.7	5.2	5.9	6.5	7.4	8.5	9.6	10.9	13.7	16.6
	Water pressure drop	Cooling	Nom.	kPa		44		35	30	29	31	33	31	38	42	43
		Heating	Nom.	kPa		42		33	28	27	29	32	29	37	41	42
Water heat exchanger - condenser	Type					Plate heat exchanger										
	Water volume			l		6	8		10	12	13	15	17		27	34
	Water flow rate	Cooling	Nom.	l/s		5.2	6.0	6.7	7.7	8.5	9.7	10.9	13.7	13.9	17.4	21.1
		Heating	Nom.	l/s		5.4	6.2	7.0	7.8	8.7	9.9	11.2	12.5	14.3	18.0	21.8
	Water pressure drop	Cooling	Nom.	kPa		69		55	49	48	51	54	32	39	66	69
		Heating	Nom.	kPa		73		59	51	50	53	57	33	42	70	73
Compressor	Type					Scroll compressor										
	Quantity					2										
Sound power level	Cooling	Nom.		dBA		80.0	83.0	85.0	87.0	88.0			90.0	92.0	93.0	
Sound pressure level	Cooling	Nom.		dBA		64.0	67.0	69.0	70.0	72.0			74.0	76.0		77.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		-8~15										
		Heating	Min.~Max.	°CDB		-8~15										
	Condenser	Cooling	Min.~Max.	°CDB		25~55										
		Heating	Min.~Max.	°CDB		25~55										
Refrigerant	Type/GWP					R-410A/2,087.5										
	Circuits	Quantity				1										
Refrigerant charge				kg/TCO2Eq		9.0/18.8		10.0/20.9		13.0/27.1	11.0/23.0	13.0/27.1	15.0/31.3		19.0/39.7	
Piping connections	Evaporator water inlet/outlet (OD)					1" 1/2		2" 1/2							3"	
	Condenser water inlet/outlet (OD)					1" 1/2		2" 1/2							3"	
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400										
Unit	Starting current	Max		A		204	255	261	308	316	354	368	466	481	640	677
	Running current	Cooling	Nom.	A		43	46	50	56	63	71	78	88	97	123	148
		Max		A		59	66	72	80	88	102	116	131	145	183	221

Water cooled multi-scroll chiller, standard efficiency, standard sound

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- Heat pump version available
- Compact design to allow easy indoor installation or retrofit operations
- Conceived for stacked installation of two single circuit units to reduce the footprint
- High efficiency and reliable scroll compressor
- High flexibility for a wide variety of applications
- Allows sequencing control (up to 4 units) without any external device
- Stainless steel plate heat exchanger
- Pump (low 100 kPa and high 200 kPa lift) available for evaporator and condenser
- MicroTech III controller with superior control logic and easy interface



EWWQ-G-SS



MicroTech III

Cooling Only					EWWQ-G-SS	090	100	120	130	150	170	190	210	240	300	360
Space cooling	A Condition 35°C	Pdc			kW	93.7	105.6	119	135.9	150	172.1	193.8	220.7	246.1	314.3	370.4
	ηs,c				%	209.08	215.32	233.52	227.68	233.04	233.36	220.32	235.56	231.84	236.64	211.36
SEER						5.427	5.583	6.038	5.892	6.026	6.034	5.708	6.089	5.996	6.116	5.484
Cooling capacity	Nom.				kW	93.7	105.6	119	135.9	150	172.1	193.8	220.7	246.1	314.3	370.4
Power input	Cooling	Nom.			kW	21.3	24	26.9	30.5	33.9	38.9	43.8	50.74	56.1	70.2	84
Capacity control	Method					Fixed										
	Minimum capacity				%	50	43	50	44	50	45	50	43	50	40	50
EER						4.399	4.4	4.424	4.456	4.425	4.424	4.425	4.349	4.387	4.477	4.41
ESEER						5.51	5.52	5.51	5.53	5.51	5.53	5.52				
IPLV						6.71	6.79	6.22	6.36	6.22	6.32	6.3	6.31	6.1	6.28	6.16
Dimensions	Unit	Height			mm	1,066									1,186	
		Width			mm	928										
		Depth			mm	2,432		2,264			2,432					
Weight	Unit				kg	516	606	728	762	795	832	871	921	934	1,083	1,181
	Operation weight				kg	554.9	652.4	781.6	821.4	859	901.4	945.9	1,009.6	1,023.2	1,194.7	1,311.1
Water heat exchanger - evaporator	Type					Plate heat exchanger										
	Water volume				l	6	8		10	12	13	15	17		27	34
	Water flow rate	Nom.			l/s	4.5	5.07	5.7	6.51	7.18	8.24	9.28	10.57	11.79	15.06	17.74
	Water pressure drop	Cooling	Nom.		kPa	48.8	49	39.1	33	32.6	34.5	36.7	33.8	41.8	46.8	
Water heat exchanger - condenser	Type					Plate heat exchanger										
	Water volume				l	6	8		10	12	13	15	17		27	34
	Water flow rate	Nom.			l/s	5.52	6.23	7.05	8.04	8.87	10.17	11.43	13.02	14.53	18.46	21.81
	Water pressure drop	Cooling	Nom.		kPa	72	73	60	50		52	56	46	57	69	71
Compressor	Type					Driven vapour compression										
	Quantity					2										
Sound power level	Cooling	Nom.			dBA	80.0	83.0	85.0	87.0	88.0			90.0	92.0	93.0	
Sound pressure level	Cooling	Nom.			dBA	64.0	67.0	69.0	70.0	72.0			74.0	76.0		77.0
Operation range	Evaporator	Cooling	Min.~Max.		°CDB	-10~15										
		Heating	Min.~Max.		°CDB	-10~15										
	Condenser	Cooling	Min.~Max.		°CDB	25~55										
		Heating	Min.~Max.		°CDB	25~55										
Refrigerant	Type/GWP					R-410A/2,087.5										
	Charge				kg	10		11		12		15	16	17	19	20
	Circuits	Quantity				1										
Refrigerant charge					TCO2Eq	20.88		22.96		25.05		31.31	33.40	35.49	39.66	41.75
Piping connections	Evaporator water inlet/outlet (OD)					1" 1/2		2" 1/2							3"	
	Condenser water inlet/outlet (OD)					1" 1/2		2" 1/2							3"	
Unit	Starting current	Max			A	204	255	261	308	316	354	368	466	481	640	677
	Running current	Cooling	Nom.		A	42	45	48	54	61	68	76	86	95	118	143
		Max			A	59	66	72	80	88	102	116	131	145	183	221
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400										

Water cooled multi-scroll chiller, standard efficiency, standard sound



EWWQ-L-SS MicroTech III

- Dual refrigerant circuit (4 scroll compressors) with single evaporator
- Heat pump version available
- Compact design to allow easy indoor installation or retrofit operations
- High efficiency and reliable scroll compressor
- Stainless steel plate heat exchanger
- High flexibility for a wide variety of applications
- Allows sequencing control (up to 4 units) without any external device
- Pump (low 100 kPa and high 200 kPa lift) available for evaporator and condenser
- MicroTech III controller with superior control logic and easy interface

Cooling only/Heating only				**EWWQ-L-SS**	**180**	**205**	**230**	**260**	**290**	**330**	**380**	**430**	**480**	**540**	**600**	**660**	**720**
Space cooling	A Condition 35°C	Pdc		kW	187.4	215.1	244.3	272.6	303.2	344.5	386.8	430.2	475.6	548.8	610.9	663	721
	ηs,c			%	211.72	222.72	232.76	230.32	236.76	233.32	224.84	239.12	230.6	235.92	236.2	228	228.4
SEER					5.493	5.768	6.019	5.958	6.119	6.033	5.821	6.178	5.965	6.098	6.105	5.9	5.91
Cooling capacity	Nom.			kW	187.4	215.1	244.3	272.6	303.2	344.5	386.8	430.2	475.6	548.8	610.9	663	721
Power input	Cooling	Nom.		kW	41.7	47.3	53.1	60.2	67.1	77.1	87	97.9	109.5	123.5	139.7	153.8	166.9
Capacity control	Method				Fixed												
	Minimum capacity			%	25	21	25	22	25	23	25	21	25	22	20	18	25
EER					4.494	4.548	4.601	4.528	4.519	4.468	4.446	4.394	4.343	4.444	4.373	4.311	4.32
ESEER					5.54		5.52	5.53	5.54	5.53	5.54	5.52	5.51	5.55	5.51		5.52
IPLV					6.77	6.84	6.35	6.38	6.31	6.32	6.36	6.37	6.16	6.29	6.23	6.2	6.18
Dimensions	Unit	Height		mm	1,970									2,090	2,210		
		Width		mm	928												
		Depth		mm	2,801												
Weight	Unit			kg	877	1,062	1,285	1,347	1,439	1,498	1,559	1,673	1,722	1,842	1,926	2,105	2,229
	Operation weight			kg	957	1,156	1,401	1,469	1,575	1,641	1,723	1,851	1,918	2,044	2,145	2,346	2,405
Water heat exchanger - evaporator	Type				Plate heat exchanger												
	Water volume			l	35	41	53		65		76	92			115		
	Water flow rate	Nom.		l/s	8.97	10.29	11.69	13.04	14.5	16.48	18.51	20.58	22.77	26.29	29.26	31.77	34.57
	Water pressure drop	Cooling	Nom.	kPa	28	27.6	22.6	28	25.1	32.2	31.9	32.8	40.4	51.4	49.5	59.1	69.4
Water heat exchanger - condenser	Type				Plate heat exchanger												
	Water volume			l	19	22	29		35		41	49			62		
	Water flow rate	Nom.		l/s	11.02	12.66	14.4	16.12	17.9	20.38	22.8	25.4	28.08	32.3	36.02	39.16	42.66
	Water pressure drop	Cooling	Nom.	kPa	72	73	61	49	50	51	55	46	57	66	67	68	
Compressor	Type				Driven vapour compression												
	Quantity				4												
Sound power level	Cooling	Nom.		dBA	83.0	86.0	88.0	90.0	91.0		93.0	95.0			96.0		
Sound pressure level	Cooling	Nom.		dBA	65.0	68.0	70.0	72.0	74.0		73.0	76.0	77.0		78.0		
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15												
		Heating	Min.~Max.	°CDB	-10~15												
	Condenser	Cooling	Min.~Max.	°CDB	25~55												
		Heating	Min.~Max.	°CDB	25~55												
Refrigerant	Type/GWP				R-410A/2,087.5												
	Charge			kg	20		22		24		30	32	34		38	40	
	Circuits	Quantity			2												
Refrigerant charge				kg/TCO2Eq	10.0/20.9		11.0/23.0		12.0/25.1		15.0/31.3	16.0/33.4	17.0/35.5		19.0/39.7	20.0/41.8	
Piping connections	Evaporator water inlet/outlet (OD)				3"												
	Condenser water inlet/outlet (OD)				1" 1/2		2" 1/2							3"			
Unit	Starting current	Max		A	263	320	333	388	403	456	484	597	626	785	822	860	898
	Running current	Cooling	Nom.	A	83	89	96	109	121	137	151	171	189	210	236	260	284
		Max		A	118	131	144	160	175	205	232	262	290	328	366	403	441
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400												

Water cooled screw chiller, standard efficiency, standard sound

- Compact design to allow easy indoor installation or retrofit operations
- Daikin semi-hermetic single screw stepless compressor
- High energy efficiency both at full and part load conditions
- Chilled water temperatures down to -10°C on standard unit
- Optimised for use with R-134a
- MicroTech III controller with superior control logic and easy interface



EWWD-J-SS



Microtech III

Cooling & Heating				EWWD-J-SS	120	140	150	180	210	250	280
Cooling capacity	Nom.			kW	120	146	154	177	207	255	284
Heating capacity	Nom.			kW	148	180	194	223	258	315	354
Capacity control	Method				Stepless						
	Minimum capacity			%	25.0						
Power input	Cooling	Nom.		kW	28.0	34.0	39.5	45.3	50.4	59.9	70.0
	Heating	Nom.		kW	28.0	34.0	39.5	45.3	50.4	59.9	70.0
EER					4.28	4.29	3.90	3.91	4.11	4.26	4.06
COP					5.28	5.29	4.90	4.91	5.11	5.26	5.06
ESEER					4.51	4.20			4.28	4.68	4.01
IPLV					5.18	5.06		5.05	5.16	5.70	4.88
Space heating	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	168	166	158		162	170	160
			SCOP		4.40	4.34	4.14	4.15	4.24	4.46	4.21
		A Condition (-7°CDB/-8°CWB)	COPd		0.90						
			PERd	%	144.7	176.0	190.2	218.3	252.8	309.1	347.8
			Pdh	kW	5.2		4.8		5.0	5.2	5.0
Dimensions	Unit	HeightxWidthxDepth		mm	1,020x913x2,684						
Weight	Unit			kg	1,177	1,233	1,334	1,366	1,416	1,600	1,607
	Operation weight			kg	1,211	1,276	1,378	1,415	1,473	1,663	1,675
Water heat exchanger - evaporator	Type				Plate heat exchanger						
Water heat exchanger - condenser	Water volume			l	20		23	25	29		32
Water heat exchanger - evaporator	Water flow rate	Nom.		l/s	5.7	7.0	7.4	8.5	9.9	12.2	13.6
	Water pressure drop	Cooling	Nom.	kPa	15	14	43	40	35	28	34
		Heating	Nom.	kPa	15	14	43	40	35	28	34
Water heat exchanger - condenser	Type				Single pass shell and tube						
	Water volume			l	20		23	25	29		32
	Water flow rate	Nom.		l/s	7.1	8.6	9.3	10.7	12.4	15.2	17.0
	Water pressure drop	Cooling	Nom.	kPa	19		12		11	16	26
		Heating	Nom.	kPa	19		12		11	16	26
Compressor	Type				Single screw compressor						
	Quantity				1						
Sound power level	Cooling	Nom.		dBA	89.0						
Sound pressure level	Cooling	Nom.		dBA	79.0						
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15						
	Condenser	Cooling	Min.~Max.	°CDB	23~60						
Refrigerant	Type/GWP				R-134a/1,430						
	Circuits	Quantity			1						
Refrigerant charge				kg/TCO2Eq	18.0/25.7	35.0/50.1	34.0/48.6	37.0/52.9		38.0/54.3	
Piping connections				mm	76.2						
	Condenser water inlet/outlet (OD)				2" 1/2	4"					
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400						
Unit	Starting current	Max		A	151		195			288	
	Running current	Cooling	Nom.	A	48	57	67	74	83	97	109
		Max		A	76	97	107	122	143	167	189



The highest peak in chiller technology

The VZ chiller series were developed and manufactured to answer the growing market demands on high efficient chiller series.
Thanks to the continuous evolution in components' technology, we are the first to reach the highest peak in chiller efficiency and technology.

VZ at a glance

Single compressor

450 kW - 1,053 kW



Dual compressor & dual circuit unit

1,200 kW - 2,100 kW

of everything:
2 compressors,
2 expansion valves,
2 condensers,...



VZ CHILLER SERIES

Full inverter water cooled chiller

INVERTER

New condenser design with integral oil separator

High efficient flooded heat exchangers

Highest efficiency in the market in its category

TOP CLASS EFFICIENCY

Unique Daikin single screw compressor technology

UNIQUE SOLUTION

available in versions with R-134a and with HFO R-1234ze refrigerant

Why choose VZ chiller series?

1 **Top class efficiency: ESEER up to 8.5 – EER up to 5.8**

Thanks to:

› New generation Daikin inverter screw compressors
› New generation high efficiency heat exchangers
› Variable volume ratio technology
› Optimized refrigerant circuit design

2 **Compact unit : 40% footprint reduction**

Thanks to:

› New single pass condenser technology
› New integrated oil separator technology
› Optional knock down panel which reduces the unit width

3 **Application flexibility : widest operating envelope in its range**

4 **Connectivity : Daikin on site cloud platform**

5 **Future readiness: Choose for today's best solution and be ready for the future!**

Supporting tools

Product video

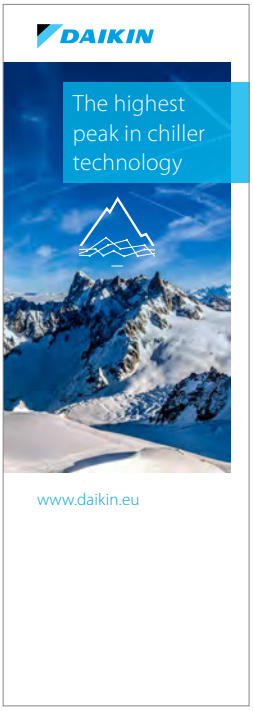


Check on

YouTube
www.youtube.com/DaikinEurope

Marketing material

All marketing material can be downloaded from the business portal.
Asset finder > Campaign > VZ chiller series











Product profile

Want to know more about this product?
Have a look at our website and download the product profile:

www.daikineurope.com/vzchillerseries

Water cooled screw inverter chiller, standard efficiency, standard sound



EWWD-VZSS Microtech III

- Optimized energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

Cooling only/Heating only					**EWWD-VZSS**	**600**	**700**	**760**	**890**	**C10**	**C12**	**C13**	**C14**	**C16**	**C17**	**C19**	**C21**
Space cooling	A Condition (35°C) Pdc				kW	609.91	704.22	756.52	894.23	1,039.49	1,173.02	1,288.02	1,381.01	1,552.02	1,722.02	1,875.55	2,051.2
	ηs,c				%	340		337.2	331.6	332	337.2	331.6	331.2	320.8	338.8	322	338.8
SEER						8.7		8.63	8.49	8.5	8.63	8.49	8.48	8.22	8.67	8.25	8.67
Cooling capacity	Nom.				kW	610	704	757	894	1,039	1,173	1,288	1,381	1,552	1,722	1,876	2,051
Power input	Cooling	Nom.			kW	110	132	142	162	196	231	252	276	315	339	380	404
Capacity control	Method					Variable											
	Minimum capacity				%	20					10						
EER						5.5	5.31	5.3	5.52	5.29	5.07	5.11	5	4.93	5.08	4.93	5.08
ESEER						7.62	7.5	7.63	7.54	7.52	7.86	7.81	7.9	7.46	7.99	7.49	7.95
IPLV						9.43	9.36	9.4	9.37	9.4	9.52	9.56	9.57	9.36	9.7	9.38	9.65
Dimensions	Unit	Height			mm	2,123			2,292	2,487	2,296				2,350	2,338	2,498
		Width			mm	1,178	1,179		1,233	1,303	1,484	1,487		1,484	1,580	1,627	1,753
		Depth			mm	3,722	3,750		3,690	3,822	4,792				4,508		4,750
Weight	Unit				kg	2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operation weight				kg	2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat exchanger - evaporator	Type					Flooded shell and tube											
	Water volume				l	88		96	134	156	230		270		320		380
	Water flow rate	Cooling	Nom.		l/s	29.2	33.8	36.3	42.9	49.9	56.2	61.7	66.1	74.4	82.5	89.9	98.2
	Water pressure drop	Cooling	Nom.		kPa	79	106	88	98	102	69	84	70	89	78	92	80
Water heat exchanger - condenser	Type					Shell and tube											
	Water volume				l	81	102		126	217	180	200			270	250	430
	Water flow rate	Cooling	Nom.		l/s	35.3	41	44.1	51.9	60.6	69.1	75.8	81.5	91.9	101	111	120
	Water pressure drop	Cooling	Nom.		kPa	31	29	33	29	33	44	39	45	66	42	55	37
Compressor	Type					Driven vapour compressor											
	Quantity					1					2						
Sound power level	Cooling	Nom.			dBA	101.0	105.0		107.0	106.0		107.0		108.0		110.0	
Sound pressure level	Cooling	Nom.			dBA	82.0	86.0		88.0	87.0		88.0		89.0		90.0	
Operation range	Evaporator	Cooling	Min.~Max.		°CDB	-3~20											
	Condenser	Cooling	Min.~Max.		°CDB	16~63											
Refrigerant	Type/GWP					R-134a/1,430											
	Charge				kg	100	110		170	180	250	260	290		320		350
	Circuits	Quantity				1					2						
Piping connections					mm	139.7			168.3	219.1							
	Condenser water inlet/outlet (OD)					168.3mm			219.1mm		168.3 / 168.3 mm				219.1 / 219.1 mm		
Unit	Starting current	Max			A	179	214	245	295	344	-						
	Running current	Cooling	Nom.		A	171	202	220	249	300	349	379	414	470	508	566	604
		Max			A	256	306	350	421	491	553	555	612	727	810	926	1,009
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400											

Water cooled screw inverter chiller, high efficiency, standard sound

- High energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability



EWWD-VZXS Microtech III

Cooling only/Heating only					EWWD-VZXS	450	500	610	710	800	900	C11	C12	C13	C14	C16	C17	C19	C21
Space cooling	A Condition (35°C) Pdc			kW		448.83	500.51	612.77	713.11	793.52	901.21	1,053.02	1,194.03	1,305.01	1,406.98	1,593.03	1,748.03	1,912.01	2,074.02
	ηs,c			%		324.8	329.2	347.2	350	345.6	337.6	344.4	347.6	342.4	348	347.2	347.6	337.2	344.4
SEER						8.32	8.43	8.88	8.95	8.84	8.64	8.81	8.89	8.76	8.9	8.88	8.89	8.63	8.81
Cooling capacity	Nom.			kW		449	501	613	713	794	901	1,053	1,194	1,305	1,407	1,593	1,748	1,912	2,074
Power input	Cooling	Nom.		kW		81.2	89.7	108	128	146	159	192	221	244	262	296	329	365	394
Capacity control	Method					Variable													
	Minimum capacity			%		20							10						
EER						5.53	5.58	5.64	5.54	5.43	5.67	5.46	5.38	5.34	5.36	5.38	5.31	5.23	5.25
ESEER						7.51	7.92	8.1	8.2	8.22	7.92	8.17	8.36	8.25	8.47	8.24	8.45	8.2	8.33
IPLV						9.42	9.59	9.52	9.66	9.64	9.48	9.58	9.66	9.67	9.76	9.74	9.82	9.68	9.7
Dimensions	Unit	Height		mm		2,135		2,123	2,235		2,487		2,296		2,301	2,350	2,500	2,469	2,493
		Width		mm		1,178		1,179	1,189		1,303		1,484	1,639	1,579	1,580	1,610	1,704	1,769
		Depth		mm		3,722		3,750	3,690		3,822		4,792		4,508		4,750	4,874	
Weight	Unit			kg		2,968	2,911	3,102	3,470	3,451	4,257	4,552	5,860	6,240	6,520	6,920	7,530	7,790	8,670
	Operation weight			kg		3,098	3,006	3,274	3,648	3,611	4,518	4,860	6,370	6,760	7,130	7,530	8,300	8,560	9,630
Water heat exchanger - evaporator	Type					Flooded shell and tube													
	Water volume			l		70	88	136	134		168	199	270		320		380	480	
	Water flow rate	Cooling	Nom.	l/s		21.5	24	29.3	34.1	38	43.2	50.4	57.1	62.5	67.3	76.3	83.6	91.4	99.2
	Water pressure drop	Cooling	Nom.	kPa		89	63	59	63	55	67	59	52	62	52	67	58	49	58
Water heat exchanger - condenser	Type					Shell and tube													
	Water volume			l		81	92	126	145	126	217	241	240	250	290		390	290	480
	Water flow rate	Cooling	Nom.	l/s		26.4	29.4	35.3	41.2	46.1	52	61	69.8	76.3	82.2	93.2	102	112	121
	Water pressure drop	Cooling	Nom.	kPa		31	28	22	20	24	25		28		21	32	27	37	28
Compressor	Type					Driven vapour compressor													
	Quantity					1							2						
Sound power level	Cooling	Nom.		dBA		97.0	99.0	101.0	105.0			107.0	106.0		107.0		108.0	109.0	110.0
Sound pressure level	Cooling	Nom.		dBA		78.0	80.0	82.0	86.0			88.0	87.0		88.0		89.0		90.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		-3~20													
	Condenser	Cooling	Min.~Max.	°CDB		16~65													
Refrigerant	Type/GWP					R-134a/1,430													
	Charge			kg		95		100	110	170		180	250	260	290		320		350
	Circuits	Quantity				1							2						
Piping connections				mm		139.7			168.3				219.1					273	
	Condenser water inlet/outlet (OD)					168.3mm			219.1mm				168.3 / 219.1 mm		219.1 / 219.1 mm				
Unit	Starting current	Max		A		155	173	179	214	256	295	344	-						
	Running current	Cooling	Nom.	A		126	140	171	201	229	249	299	340	372	400	450	498	554	596
		Max		A		222	247	256	306	366	421	491	553	555	612	727	810	926	1,009
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400													

Water cooled screw inverter chiller, premium efficiency, standard sound



EWWD-VZPS Microtech III

- Premium energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

Cooling only/Heating only					EWWD-VZPS	505	715	910	C12	C16	C18
Space cooling	A Condition (35°C) Pdc				kW	505.02	717.71	908.11	1,201.02	1,604.03	1,757.01
	ηs,c				%	339.6	355.2	344.4	353.6	354	350
SEER						8.69	9.08	8.81	9.04	9.05	8.95
Cooling capacity	Nom.				kW	505	718	908	1,201	1,604	1,757
Power input	Cooling	Nom.			kW	85.1	124	153	218	291	326
Capacity control	Method					Variable					
	Minimum capacity				%	20			10		
EER						5.93	5.77	5.91	5.49	5.5	5.39
ESEER						8.15	8.48	8.25	8.66	8.53	8.71
IPLV						9.61	9.68	9.57	9.79	9.82	9.92
Dimensions	Unit	Height			mm	2,108	2,430	2,487	2,302	2,500	2,493
		Width			mm	1,179	1,287	1,303	1,579	1,610	1,769
		Depth			mm	3,750	3,822		4,508	4,750	4,874
Weight	Unit				kg	3,247	4,082	4,346	6,310	7,530	8,250
	Operation weight				kg	3,375	4,349	4,660	6,900	8,300	9,200
Water heat exchanger - evaporator	Type					Flooded shell and tube					
	Water volume				l	96	168	199	320	380	480
	Water flow rate	Cooling	Nom.		l/s	24.2	34.3	43.4	57.4	76.7	84
	Water pressure drop	Cooling	Nom.		kPa	55	42	44	38	49	41
Water heat exchanger - condenser	Type					Shell and tube					
	Water volume				l	126	217	241	270	390	470
	Water flow rate	Cooling	Nom.		l/s	29.4	41.3	52.1	69.9	93.4	102
	Water pressure drop	Cooling	Nom.		kPa	16	17	19	21		28
Compressor	Type					Driven vapour compressor					
	Quantity					1			2		
Sound power level	Cooling	Nom.			dBA	99.0	105.0		106.0	107.0	109.0
Sound pressure level	Cooling	Nom.			dBA	80.0	86.0		87.0	88.0	89.0
Operation range	Evaporator	Cooling	Min.~Max.		°CDB	-3~20					
	Condenser	Cooling	Min.~Max.		°CDB	16~65					
Refrigerant	Type/GWP					R-134a/1,430					
	Charge				kg	100	150	180	290	320	350
	Circuits	Quantity				1			2		
Piping connections					mm	139.7	219.1				273
	Condenser water inlet/outlet (OD)					219.1mm			219.1 / 219.1 mm		
Unit	Starting current	Max			A	173	214	295	-		
	Running current	Cooling	Nom.		A	138	200	247	338	447	497
		Max			A	247	306	421	553	727	810
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400					



Water cooled screw inverter chiller, standard efficiency, standard sound



EWWH-VZSS MicroTech III

- Optimized energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential

Cooling Only				EWWH-VZSS	445	515	550	660	770	860	940	C10	C12	C13	C14	C15
Space cooling	A Condition (35°C)	Pdc	kW		443	512	548.51	657.51	767.8	865.2	940.6	1,011.7	1,142.46	1,271.38	1,396.11	1,524.83
		ηs,c	%		336.4	338.4	336.8	348.4	345.2	318.4	327.2	339.6	331.2	340	345.6	353.2
SEER					8.61	8.66	8.62	8.91	8.83	8.16	8.38	8.69	8.48	8.7	8.84	9.03
Cooling capacity	Nom.		kW		443	512	549	658	768	865	941	1,012	1,142	1,271	1,396	1,525
Power input	Cooling	Nom.	kW		82.8	98.1	107	123	149	172	188	205	235	254	282	302
Capacity control	Method				Variable											
	Minimum capacity		%		20					10						
EER					5.35	5.22	5.15	5.34	5.14	5.02	5	4.93	4.87	5.01	4.95	5.04
ESEER					7.98	7.83	7.9	8.03	7.99	7.93	7.95	8.12	8	8.46	8	8.48
IPLV					9.25		9.24	9.48	9.32	8.94	9.08	9.13	9.14	9.3	9.13	9.34
Dimensions	Unit	Height	mm		2,123			2,292	2,487	2,296				2,350	2,338	2,498
		Width	mm		1,178	1,179		1,233	1,303	1,484	1,487		1,484	1,580	1,627	1,753
		Depth	mm		3,722	3,750		3,690	3,822	4,792				4,508		4,750
Weight	Unit		kg		2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operation weight		kg		2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat exchanger - evaporator	Type				Flooded shell and tube											
	Water volume		l		88		96	134	156	230		270		320		380
	Water flow rate	Cooling	Nom.	l/s	21.2	24.5	26.2	31.5	36.8	41.4	45	48.4	54.6	60.8	66.8	72.9
	Water pressure drop	Cooling	Nom.	kPa	46	61	52	59	64	39	46	39	50	44	53	45
Water heat exchanger - condenser	Type				Shell and tube											
	Water volume		l		81	102		126	217	180	200			270	250	430
	Water flow rate	Cooling	Nom.	l/s	25.5	29.6	31.8	38.1	44.8	50.3	54.8	59	66.8	74	81.4	88.7
	Water pressure drop	Cooling	Nom.	kPa	19	17	20	19	17	25	22	25	38	25	32	18
Compressor	Type				Driven vapour compression											
	Quantity				1					2						
Sound power level	Cooling	Nom.	dBA		101.0	105.0		107.0	106.0			107.0		108.0		110.0
Sound pressure level	Cooling	Nom.	dBA		82.0	86.0		88.0	87.0			88.0		89.0		90.0
Refrigerant	Type/GWP				R-1234(ze)/7											
	Charge		kg		100	110		170	180	250	260	290		320		350
	Circuits	Quantity			1					2						
Refrigerant circuit	Charge		kg		100	110		170	180	250	260	290		320		350
Piping connections			mm		139.7			168.3	219.1							
	Condenser water inlet/outlet (OD)				168.3mm			219.1mm	168.3 / 168.3 mm					219.1 / 219.1 mm		
Unit	Running	Cooling	Nom.	A	131.0	153.0	167.0	188.0	227.0	264.0	287.0	312.0	353.0	385.0	426.0	458.0
	current	Max		A	213.0	246.0	265.0	277.0	404.0	445.0	458.0	491.0	523.0	649.0	744.0	807.0
Power supply	Phase/Frequency/Voltage		Hz/V		3~/50/400											

Water cooled screw inverter chiller, high efficiency, standard sound



EWWH-VZXS MicroTech III

- High energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential

Cooling Only				EWWH-VZXS	335	365	450	525	580	670	800	875	950	C11	C12	C13	C14	C15
Space cooling	A Condition (35°C)	Pdc	kW		329.01	364.52	448	520.61	579.19	665.41	788.2	877.36	952.01	1,028.81	1,169.3	1,288.48	1,421.75	1,540.03
	ηs,c		%		296	307.2	343.6	347.2	343.2	356	354.4	326	334	346.8			358	356.8
SEER					7.6	7.88	8.79	8.88	8.78	9.1	9.06	8.35	8.55	8.87			9.15	9.12
Cooling capacity	Nom.		kW		329	365	448	521	579	665	788	877	952	1,029	1,169	1,288	1,422	1,540
Power input	Cooling	Nom.	kW		60.5	66.6	81	96	109	121	147	168	185	198	224	248	276	298
Capacity control	Method				Variable													
	Minimum capacity		%		20							10						
EER					5.44	5.48	5.53	5.42	5.29	5.49	5.37	5.23	5.16	5.19	5.22	5.19	5.16	
ESEER					7.14	7.56	8.32		8.34	8.46	8.55	8.26		8.5	8.54	8.81	8.61	8.72
IPLV					8.51	8.79	9.46	9.51	9.47	9.63	9.65	9.19	9.27	9.46	9.37	9.52	9.23	9.5
Dimensions	Unit	Height	mm		2,135		2,123	2,235		2,487		2,296		2,301	2,350	2,500	2,469	2,493
		Width	mm		1,178		1,179	1,189		1,303		1,484	1,639	1,579	1,580	1,610	1,704	1,769
		Depth	mm		3,722		3,750	3,690		3,822		4,792		4,508		4,750	4,874	
Weight	Unit		kg		2,968	2,911	3,102	3,470	3,451	4,257	4,552	5,860	6,240	6,520	6,920	7,530	7,790	8,670
	Operation weight		kg		3,098	3,006	3,274	3,648	3,611	4,518	4,860	6,370	6,760	7,130	7,530	8,300	8,560	9,630
Water heat exchanger - evaporator	Type				Flooded shell and tube													
	Water volume		l		70	88	136	134		168	199	270		320		380	480	
	Water flow rate	Cooling Nom.	l/s		15.8	17.5	21.4	24.9	27.7	31.8	37.7	41.9	45.5	49.1	55.9	61.6	67.9	73.6
	Water pressure drop	Cooling Nom.	kPa		54	38	35	37	31	39	36	29	34	28	37	32	28	33
Water heat exchanger - condenser	Water volume		l		81	92	126	145	126	217	241	240	250	290		390	290	480
	Water flow rate	Cooling Nom.	l/s		18.9	20.9	25.7	30	33.5	38.4	45.7	50.7	55.1	59.6	67.6	74.6	82.3	89.3
	Water pressure drop	Cooling Nom.	kPa		19	16	13	12	15	13	16			13	19	16	23	16
Compressor	Type				Driven vapour compression													
	Quantity				1							2						
Sound power level	Cooling	Nom.	dBA		97.0	99.0	101.0	105.0			107.0	106.0		107.0		108.0	109.0	110.0
Sound pressure level	Cooling	Nom.	dBA		78.0	80.0	82.0	86.0			88.0	87.0		88.0		89.0		90.0
Refrigerant	Type/GWP				R-1234(ze)/7													
	Charge		kg		95		100	110	170		180	250	260	290		320		350
	Circuits	Quantity			1							2						
Piping connections			mm		139.7			168.3			219.1						273	
	Condenser water inlet/outlet (OD)				168.3mm		219.1mm					168.3 / 219.1 mm		219.1 / 219.1 mm				
Unit	Running current	Cooling Nom.	A		96.0	106.0	129.0	151.0	173.0	187.0	226.0	259.0	284.0	304.0	341.0	379.0	421.0	454.0
		Max	A		178.0	199.0	213.0	246.0	275.0	277.0	404.0	445.0	458.0	491.0	523.0	649.0	744.0	807.0
Power supply	Phase/Frequency/Voltage		Hz/V		3~/50/400													

Water cooled screw inverter chiller, premium efficiency, standard sound



EWWH-VZPS MicroTech III

- Premium energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential

Cooling Only					**EWWH-VZPS**	**370**	**530**	**680**	**880**	**C12**	**C13**
Space cooling	A Condition (35°C)	Pdc			kW	369.3	525.1	677.11	883.79	1,180.43	1,295.36
		ηs,c			%	316.8	352.8	363.6	334.4	352.4	348.8
SEER						8.12	9.02	9.29	8.56	9.01	8.92
Cooling capacity	Nom.				kW	369	525	677	884	1,180	1,295
Power input	Cooling	Nom.			kW	64.7	94.9	119	166	221	247
Capacity control	Method					Variable					
	Minimum capacity				%	20			10		
EER						5.71	5.53	5.67	5.34	5.35	5.25
ESEER						7.9	8.64	8.83	8.54	8.85	9
IPLV						9.13	9.68	9.96	9.37	9.56	9.61
Dimensions	Unit	Height			mm	2,108	2,430	2,487	2,302	2,500	2,493
		Width			mm	1,179	1,287	1,303	1,579	1,610	1,769
		Depth			mm	3,750	3,822		4,508	4,750	4,874
Weight	Unit				kg	3,247	4,082	4,346	6,310	7,530	8,250
	Operation weight				kg	3,375	4,349	4,660	6,900	8,300	9,200
Water heat exchanger - evaporator	Type					Flooded shell and tube					
	Water volume				l	96	168	199	320	380	480
	Water flow rate	Cooling	Nom.		l/s	17.7	25.1	32.3	42.2	56.4	61.9
	Water pressure drop	Cooling	Nom.		kPa	32	25	27	20	26	23
Water heat exchanger - condenser	Type					Shell and tube					
	Water volume				l	126	217	241	270	390	470
	Water flow rate	Cooling	Nom.		l/s	21.1	30.1	38.9	50.9	68	74.9
	Water pressure drop	Cooling	Nom.		kPa	9		12	13	12	16
Compressor	Type					Driven vapour compression					
	Quantity					1				2	
Sound power level	Cooling	Nom.			dBA	99.0	105.0		106.0	107.0	109.0
Sound pressure level	Cooling	Nom.			dBA	80.0	86.0		87.0	88.0	89.0
Refrigerant	Type/GWP					R-1234(ze)/7					
	Charge				kg	100	150	180	290	320	350
	Circuits	Quantity				1				2	
Refrigerant circuit	Charge				kg	100	150	180	290	320	350
Piping connections					mm	139.7	219.1				273
	Condenser water inlet/outlet (OD)					219.1mm				219.1 / 219.1 mm	
Unit	Running current	Cooling	Nom.		A	104.0	150.0	185.0	257.0	338.0	378.0
		Max			A	199.0	246.0	277.0	445.0	523.0	649.0
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400					

Condenserless scroll chiller

- One of the most compact units on the market: 600mm x 600mm x 600mm
- Low energy consumption
- Low operating sound level
- Easy installation and maintenance
- Stainless steel plate heat exchanger
- Low refrigerant volume
- Standard integrated: pressure ports, flow switch, filter, shut-off valves and air purge
- Advanced µC^{2}SE controller for direct connection to a Modbus based BMS or to a remote user interface



EWLQ-KBW1N µC^{2}SE

Cooling Only				EWLQ-KBW1N	014	025	033	049	064
Cooling capacity	Nom.			kW	12.05	21.87	27.96	43.4	56.71
Power input	Cooling	Nom.		kW	3.54	6.42	8.26	12.74	16.2
EER					3.402	3.406	3.386	3.406	3.501
Dimensions	Unit	Height		mm	600				
		Width		mm	600				
		Depth		mm	600			1,200	
Weight	Unit			kg	104	138	149	252	274
Water heat exchanger - evaporator	Type				Brazed plate				
	Water pressure drop	Cooling	Nom.	kPa	16.5	24.2	22.1	20	22.2
Compressor	Type				Scroll compressor				
	Quantity				1			2	
Sound power level	Cooling	Nom.		dBA	64.0		71.0	67.0	74.0
		Nom.		dBA	64.0		71.0	67.0	74.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~20				
	Condenser	Cooling	Min.~Max.	°CDB	25~60				
Refrigerant	Type				R-410A				
	Circuits	Quantity			1			2	
Piping connections	Evaporator water inlet/outlet (OD)				G1"			G1" 1/2	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400				



Condenserless multi-scroll chiller, standard efficiency, standard sound

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- For chilled water production, to be combined with a remote condensing unit
- Compact design to allow easy indoor installation or retrofit operations
- Conceived for stacked installation of two single circuit units to reduce the footprint
- High efficiency and reliable scroll compressor
- Stainless steel plate heat exchanger



EWLQ-G-SS

Cooling only					EWLQ-G-SS	090	100	120	130	150	170	190	210	240	300	360
Cooling capacity	Nom.				kW	86.5	98.4	110	125	139	160	181	206	231	290	346
Power input	Cooling	Nom.			kW	22.4	25.8	29.2	33.0	36.8	42.0	47.0	54.2	59.9	75.6	91.8
Capacity control	Method					Step										
	Minimum capacity				%	50.0	43.0	50.0	44.0	50.0	45.0	50.0	43.0	50.0	40.0	50.0
EER						3.86	3.81	3.78	3.79		3.80	3.86	3.80	3.85	3.84	3.77
Dimensions	Unit	Height			mm	1,066									1,186	
		Width			mm	928										
		Depth			mm	2,743										
Weight	Unit				kg	494	578	686	714	742	773	807	838	852	967	1,046
	Operation weight				kg	525	615	729	760	791	826	863	901	916	1,044	1,134
Water heat exchanger - evaporator	Type					Plate heat exchanger										
	Water volume				l	6	8		10	12	13	15	17		27	34
	Water flow rate	Nom.			l/s	4.2	4.7	5.3	6.0	6.7	7.7	8.7	9.8	11.1	13.9	16.6
	Water pressure drop	Cooling	Nom.		kPa	44		35	29		31	33	30	38	41	
Compressor	Type					Scroll compressor										
	Quantity					2										
Sound power level	Cooling	Nom.			dBA	80.0	83.0	85.0	87.0	88.0			90.0	92.0	93.0	
Sound pressure level	Cooling	Nom.			dBA	64.0	67.0	69.0	70.0	72.0			74.0	76.0		77.0
Operation range	Evaporator	Cooling	Min.~Max.		°CDB	-10~15										
	Condenser	Cooling	Min.~Max.		°CDB	30~60										
Refrigerant	Type / GWP					R-410A / 2,087.5										
	Circuits	Quantity				1										
Piping connections	Evaporator water inlet/outlet (OD)					1" 1/2		2" 1/2							3"	
Unit	Starting current	Max			A	204	255	261	308	316	354	368	466	481.0	640	677
	Running current	Cooling	Nom.		A	39	42	45	51	57	64	70	81	88	111	135
		Max			A	59	66	72	80	88	102	116	131	145	183	221
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400										

Condenserless multi-scroll chiller, standard efficiency, standard sound

- Dual refrigerant circuit (4 scroll compressors) with single evaporator
- For chilled water production, to be combined with a remote condensing unit
- Compact design to allow easy indoor installation or retrofit operations
- High efficiency and reliable scroll compressor
- Stainless steel plate heat exchanger

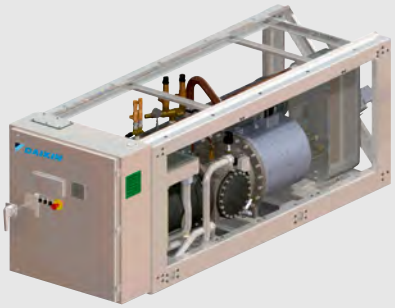


EWLQ-L-SS

Cooling only				EWLQ-L-SS	180	205	230	260	290	330	380	430	480	540	600	660	720
Cooling capacity	Nom.			kW	173	197	224	249	279	317	361	409	459	511	571	624	676
Power input	Cooling	Nom.		kW	44.3	51.1	57.9	65.6	73.2	83.8	93.5	108	119	135	152	168	184
Capacity control	Method				Step												
	Minimum capacity			%	25.0	21.0	25.0	22.0	25.0	23.0	25.0	21.0	25.0	22.0	20.0	18.0	25.0
EER					3.91	3.86	3.87	3.79	3.81	3.78	3.86	3.79	3.84	3.78	3.76	3.71	3.67
Dimensions	Unit	Height		mm	1,970									2,090	2,210		
		Width		mm	928												
		Depth		mm	2,801												
Weight	Unit			kg	832	1,007	1,202	1,252	1,333	1,380	1,432	1,511	1,560	1,609	1,694	1,833	1,957
	Operation weight			kg	894	1,081	1,292	1,345	1,436	1,486	1,547	1,638	1,690	1,741	1,844	1,990	2,120
Water heat exchanger - evaporator	Type				Plate heat exchanger												
	Water volume			l	19	22	29		35		41	49			62		
	Water flow rate	Nom.		l/s	8.3	9.5	10.7	11.9	13.4	15.2	17.3	19.6	21.9	24.5	27.3	29.9	32.4
	Water pressure drop	Cooling	Nom.	kPa	25		20	25	22	29			36	45	44	52	62
Compressor	Type				Scroll compressor												
	Quantity				4												
Sound power level	Cooling	Nom.		dBA	83.0	86.0	88.0	90.0	91.0			93.0	95.0			96.0	
Sound pressure level	Cooling	Nom.		dBA	65.0	68.0	70.0	72.0	74.0		73.0	76.0	77.0		78.0		
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15												
	Condenser	Cooling	Min.~Max.	°CDB	30~60												
Refrigerant	Type / GWP				R-410A / 2,087.5												
	Circuits	Quantity			2												
Piping connections	Evaporator water inlet/outlet (OD)				3"												
Unit	Starting current	Max		A	263	320	333	388	403	456	484	597	626	785	822	860	898
	Running current	Cooling	Nom.	A	78	84	90	102	114	128	141	161	176	199	223	246	269
		Max		A	118	131	144	160	175	205	232	262	290	328	366	403	441
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400												

Condenserless screw chiller, standard efficiency, standard sound

- Compact design to allow easy indoor installation or retrofit operations
- Daikin semi-hermetic single screw stepless compressor
- High energy efficiency both at full and part load conditions
- Chilled water temperatures down to -10°C on standard unit
- Optimised for use with R-134a
- MicroTech III controller with superior control logic and easy interface



EWLD-J-SS



MicroTech III

Cooling only				EWLD-J-SS	110	130	145	165	235	195	265	290	310	330	360	390	430	470	500	530
Cooling capacity	Nom.			kW	110	128	142	163	236	191	264	285	306	327	355	382	428	473	501	529
Power input	Cooling	Nom.		kW	31.2	38.4	43.8	50.4	66.0	56.0	75.3	87.4	94.0	100	106	111	122	132	141	150
Capacity control	Method				Stepless															
	Minimum capacity			%	25.0							12.5								
EER					3.51	3.33	3.25	3.24	3.58	3.42	3.51	3.26	3.25		3.35	3.43	3.52	3.59	3.55	3.52
Dimensions	Unit	Height		mm	1,020							2,000								
		Width		mm	913															
		Depth		mm	2,684															
Weight	Unit			kg	1,124	1,141	1,237	1,263	1,489	1,305	1,489	2,474	2,500	2,526	2,568	2,611	2,795	2,979		
	Operation weight			kg	1,138	1,159	1,253	1,281	1,518	1,327	1,518	2,505	2,533	2,562	2,608	2,655	2,845	3,036		
Water heat exchanger - evaporator	Type				Plate heat exchanger															
	Water volume			l	14	18	14	17	26	20	26	29	31	33	37	41	46	52		
	Water flow rate	Nom.		l/s	5.2	6.1	6.8	7.8	11.3	9.2	12.6	13.6	14.6	15.6	17.0	18.3	20.5	22.6	24.0	25.3
	Water pressure drop	Cooling	Nom.	kPa	14	13	39	37	26	33	32	39	37		34	33	29	26	29	32
Compressor	Type				Single screw compressor															
	Quantity				1							2								
Sound power level	Cooling	Nom.		dBA	89.0							94.0								96.0
Sound pressure level	Cooling	Nom.		dBA	79.0							82.0								83.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15															
	Condenser	Cooling	Min.~Max.	°CDB	25~60															
Refrigerant	Type / GWP				R-134a / 1,430															
	Circuits	Quantity			1							2								
Piping connections	Evaporator water inlet/outlet (OD)				76.2 mm															
Unit	Maximum starting current			A	151		195		288	195	288	281	293		310		403	422	440	
	Nominal running current (RLA)	Cooling		A	52	62	72	81	107	91	120	145	153	162	171	181	197	214	227	241
	Maximum running current			A	76	97	107	122	167	143	189	215	230	245	265	286	311	335	357	378
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400															

Condenserless screw chiller, standard efficiency, standard sound

- DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- Stepless single-screw compressor
- Standard electronic expansion valve
- Optimised for use with R-134a



EWLD-I-SS MicroTech III

Cooling only				EWLD-I-SS	320	400	420	500	600	650	750	800	850	900	950	C10	C11	C12	C13	C14	C15	C16	C17
Cooling capacity	Nom.			kW	315	374	437	509	607	670	740	802	865	935	975	1,029	1,097	1,144	1,210	1,278	1,330	1,381	1,433
Power input	Cooling	Nom.		kW	80.3	96.0	113	134	160	175	192	208	224	246	264	283	286	302	318	336	356	375	395
Capacity control	Method				Stepless																		
	Minimum capacity			%	25.0				12.5							8.3							
EER					3.93	3.89	3.88	3.79	3.80	3.82	3.86			3.81	3.69	3.64	3.83	3.79	3.80		3.74	3.68	3.63
Dimensions	Unit	Height		mm	1,899				2,325							2,415							
		Width		mm	1,464											2,135							
		Depth		mm	3,114				4,391							4,426							
Weight	Unit			kg	1,861		1,869	1,884	3,331	3,339	3,347	3,356	3,364	3,412		5,146	5,167		5,188	5,208			
	Operation weight			kg	2,054		2,052	2,056	3,602		3,603	3,604	3,605	3,645		5,667	5,671		5,677	5,680			
Water heat exchanger - evaporator	Type				Single pass shell and tube																		
	Water volume			l	193		183	172	271	263	256	248	241	233		504		489	472	504		489	472
	Water flow rate	Nom.		l/s	15.1	17.9	20.9	24.4	29.1	32.1	35.4	38.4	41.4	44.8	46.7	49.3	52.5	54.8	57.9	61.2	63.7	66.1	68.6
	Water pressure drop	Cooling	Total	kPa	34	46	49	56	50	40	52	49	40	49	36	54	47	51	43	53	57	61	65
Compressor	Type				Single screw compressor																		
	Quantity				1				2							3							
Sound power level	Cooling	Nom.		dBA	94.0		97.0				98.0	99.0	100.0					101.0		103.0			
Sound pressure level	Cooling	Nom.		dBA	75.0	76.0	78.0				79.0	80.0	81.0			80.0		81.0		83.0			
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-8~15																		
	Condenser	Cooling	Min.~Max.	°CDB	25~60																		
Refrigerant	Type / GWP				R-134a / 1,430																		
	Circuits	Quantity			1				2							3							
Piping connections	Evaporator water inlet/outlet (OD)				42mm																		
Unit	Maximum starting current			A	330		464		493	627	650	681		703		836		867	898		920	942	
	Nominal running current (RLA)	Cooling		A	131	157	181	214	260	287	313	338	361	391	420	448	470	493	517	542	571	601	631
	Maximum running current			A	204	233	271	299	407	436	465	504	542	570	597	670	698	737	775	814	841	868	896
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																		

Water cooled centrifugal chiller, high efficiency standard sound

- No friction loss, no oil contamination, no additional oil management systems and an increased equipment life thanks to the magnetic bearing technology
- Excellent part load efficiency
- Totally oil-free operation resulting in reduced maintenance costs and increased reliability
- Compact footprint through stacked heat exchanger lay-out
- Increased installation flexibility thanks to limited dimensions
- Easy handling: thanks to its compact size, it can easily pass through the doorway
- MicroTech III controller with superior control logic and easy interface
- A wide portfolio of options is available to meet different requirements.
- The compressor vibration levels are extremely low as a result of the high-speed design
- Optimized for highly efficient R134a refrigerant and compatible with next generation refrigerants



EWWD-DZXE/XS



EWWD-DZXE/XS dual



MicroTech III

Cooling Only			EWWD-DZXS/XE	320	340	440	470	530	570	610	640	670	680	700	740	880	950	C10	C11	C14	C15
Space cooling	A Condition 35°C	Pdc	kW	320.01	341.01	443.01	474.02	528	566	610.02	638.01	670	682	699.97	741.96	883.01	946	1,056	1,130	1,402	1,477.93
	ηs,c		%	334	335	314	316	324	326	344	349	345	349	342	346	350	352	363	365	362	366
SEER				8.56	8.57	8.05	8.09	8.29	8.34	8.81	8.92	8.82	8.93	8.75	8.86	8.95	9.00	9.27	9.32	9.26	9.35
Cooling capacity	Nom.		kW	320	341	443	474	528	566	610	638	670	682	700	742	883	946	1,056	1,130	1,402	1,478
Power input	Cooling	Nom.	kW	66.5	69.9	88.5	93.5	102	108	124.7	131	138.4	138	126	131	176	186	205	216	256	263
Capacity control	Method			Variable																	
	Minimum capacity		%	30	29	21	20	21	20	16	15			18	17	11	10	11	10	9	
EER				4.81	4.88	5	5.07	5.14	5.22	4.89	4.85	4.84	4.91	5.53	5.65	5.01	5.08	5.15	5.23	5.46	5.6
ESEER				7.94	7.81	7.92	7.83	8.2	8.11	7.78	8.16	7.52	8	8.08	8.09		7.96	8.39	8.26	8.29	8.22
IPLV				9.68	9.57	9.67	9.62	10		9.66	9.78	9.61	9.63	10.1	10.2	9.86	9.79	10.2	10.1	10.5	10.4
Dimensions	Unit	Height	mm	1,865						1,985								2,200			
		Width	mm	1,055						1,160								1,270			
		Depth	mm	3,625						3,585	3,625		3,585					3,580			
Weight	Unit		kg	1.700	1,750	1,900	1,950	2,000	2,050	2,850				2,600	2,650	2,900	3,000	3,600	3,700	3,800	3,900
	Operation weight		kg	1.973	2,033	2,216	2,276	2,347	2,407	3,197	3,344	3,197	3,354	3,102	3,162	3,458	3,568	4,292	4,412	4,579	4,699
Water heat exchanger - evaporator	Type			Flooded shell and tube																	
	Water volume		l	70		96		107			134	107	134			156		199		229	
	Water flow rate	Nom.	l/s	15.3	16.4	21.2	22.7	25.3	27.1	29.1	30.5	32	32.7	33.5	35.6	42.3	45.3	50.6	54.1	67.2	70.9
	Water pressure drop	Cooling Nom.	kPa	47.4	54.2	40.6	46.5	45	51.5	59.1	51	71.4	58.3	61.3	68.7	64	73.2	60.4	68.9	74	82
Water heat exchanger - condenser	Type			Shell and tube																	
	Water volume		l	83		100		120			170	120	170	188		211		263		320	
	Water flow rate	Nom.	l/s	18.3	19.6	25.3	27	30.1	32.1	35.1	36.7	38.6	39.1	39.4	41.6	50.5	53.9	60.1	64.1	79.1	83
	Water pressure drop	Cooling Nom.	kPa	49.2	56.4	59.5	68.4	54.5	62.4	74	46.2	90	52.9	41.6	46.7	50.9	58.3	50.3	57.6	52.9	58.5
Compressor	Type			Driven vapour compressor																	
	Quantity			1						2				1		2					
Sound power level	Cooling	Nom.	dBA	87.9		88.9		89.9		91.1	91.0	91.1	91.0	91.1		92.0		93.3		94.3	
Sound pressure level	Cooling	Nom.	dBA	69.6		70.6		71.6		72.6						73.6		74.6		75.6	
Operation range	Evaporator	Cooling Min.~Max.	°CDB	4~20																	
	Condenser	Cooling Min.~Max.	°CDB	20~55				20~42		20~55				20~42		20~55		20~42			
Refrigerant	Type/GWP			R-134a/1,430																	
	Charge		kg	120	130	120	130	120	130	120	180	120	200	180	190	180	200	230	250	230	250
	Circuits	Quantity		1																	
Refrigerant charge			TCO2Eq	172	186	172	186	172	186	172	257	172	286	257	272	257	286	329	358	329	358
Piping connections			mm	139.7							168.3	139.7	168.3					219.1			
			mm	139.7							168.3	139.7	168.3							219.1	
Unit	Running current	Cooling Nom.	A	100.55	105.42	138.22	144.7	155.23	162.48	203.41	200.56	212.9	210.15	190.23	196	274.86	287.44	309.17	323.53	383.87	392
		Max	A	134		208		166		267				196		417		331		392	
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400																	

Water cooled centrifugal chiller, high efficiency, standard sound



- No friction loss, no oil contamination, no additional oil management systems and an increased equipment life thanks to the magnetic bearing technology
- Excellent part load efficiency
- Totally oil-free operation resulting in reduced maintenance costs and increased reliability
- Compact footprint through stacked heat exchanger lay-out
- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- Increased installation flexibility thanks to limited dimensions
- Easy handling: thanks to its compact size, it can easily pass through the doorway
- MicroTech III controller with superior control logic and easy interface
- A wide portfolio of options is available to meet different requirements.
- The compressor vibration levels are extremely low as a result of the high-speed design

Cooling Only					EWWH-DZXS/XE	230	245	320	345	380	405	430	455	460	470	480	490	640	685	755	810	920	955
Space cooling	A Condition 35°	Pdc		kW		227.08	241.98	318.33	339.33	376.33	401.93	455.13	454.66	474.48	460.88	483.83	486.57	637.15	678.69	752.27	802.77	917.79	944.73
	ηs,c			%		330	331	346	350	346	350	342		339	335	345	344	352	356	354	358	353	356
SEER						8.46	8.48	8.84	8.95	8.84	8.94	8.74		8.67	8.58	8.83	8.81	8.99	9.11	9.04	9.16	9.03	9.1
Cooling capacity	Nom.			kW		227	242	318	339	376	402	610	638	700	670	742	682	637	679	752	803	918	945
Power input	Cooling	Nom.		kW		45.6	47.9	60.5	63.4	71.4	75.1	83.4	90.6	79.3	90.3	79.5	95.1	120.5	126.3	142.1	149.4	158.8	159.2
Capacity control	Method					Variable																	
	Minimum capacity			%		24		21	20		19	13	12	20	12	20	12	11	10		9	10	
EER						4.98	5.05	5.27	5.35	5.27	5.35	5.14	5.02	5.81	5.19	5.97	5.09	5.29	5.37	5.29	5.37	5.78	5.93
ESEER						7.78		7.97	8.02	7.98	8	7.89	8.06	7.76	7.75	7.83	8.04	8.26	8.22	8.3	8.27	8.16	8.23
IPLV						9.61	9.64	9.79	9.88	9.83	9.94	9.71	9.68	9.73	9.62	9.87	9.74	9.99	10.07	10.05	10.14	9.99	10.13
Dimensions	Unit	Height		mm		1,865						1,985								2,200			
		Width		mm		1,055						1,160								1,270			
		Depth		mm		3,625						3,585		3,625		3,585				3,580			
Weight	Unit			kg		1,700	1,750	1,900	1,950	2,000	2,050	2,850		2,600	2,850	2,650	2,850	2,900	3,000	3,600	3,700	3,800	3,900
	Operation weight			kg		1,973	2,033	2,216	2,276	2,347	2,407	3,197	3,344	3,102	3,197	3,162	3,354	3,458	3,568	4,292	4,412	4,579	4,699
Water heat exchanger - evaporator	Type					Flooded shell and tube																	
	Water volume			l		70		96		107			134	134	107	134		156		199		320	229
	Water flow rate	Cooling	Nom.	l/s		10.8	11.6	15.2	16.2	18	19.2	20.5	21.7	22	22.4	22.6	23.1	30.4	32.4	35.9	38.4	51.4	45.2
	Water pressure drop	Cooling	Nom.	kPa		28.2	29.7	24.6	28.4	26.8	28.4	31.7	27.8	28.6	37.8	30.8	32	35.9	41.3	33	38.1		36.9
Water heat exchanger - condenser	Type					Shell and tube																	
	Water volume			l		83		100		120			170	188	120	188	170	211		263		320	
	Water flow rate	Cooling	Nom.	l/s		13	13.9	18.1	19.2	21.4	22.8	24.5	26.1	25.8	26.7	26.4	27.7	36.2	38.5	42.7	45.5	51.4	52.8
	Water pressure drop	Cooling	Nom.	kPa		24	28	30	34	27	31	35	23	17	42	18	26	25	29	25	28	22	23
Compressor	Type					Driven vapour compressor																	
	Quantity					1						2		1	2	1	2						
Sound power level	Cooling	Nom.		dBA		87.9		88.9		89.9		91.1	91	91.1			91	92		93.3		94.3	
Sound pressure level	Cooling	Nom.		dBA		69.6		70.6		71.6		72.6						73.6		74.6		75.6	
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		4~20																	
	Condenser	Cooling	Min.~Max.	°CDB		20~55			20~42			20~55		20~42	20~55	20~42		20~55		20~42			
Refrigerant	Type/GWP					R-1234(ze)/7																	
	Charge			kg		120	130	120	130	120	130	120	180		120	190	200	180	200	230	250	230	250
	Circuits	Quantity				1																	
Refrigerant charge				TCO2Eq		1														2			
Piping connections				mm		139.7							168.3		139.7		168.3			219.1			
				mm		139.7							168.3		139.7		168.3					219.1	
Unit	Running current	Cooling	Nom.	A		72	75	99	103	112	117	133	144	125	142	125	150	198	205	222	232	249	
		Max		A		95		150		123		190		142	190	142	190	300		246		284	
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400																	

Water cooled centrifugal chiller, high efficiency, standard sound

- Optional Variable Frequency Drive (VFD) to improve the part load efficiency
- High efficiency flooded type shell and tube evaporator and condensers
- Lower equipment, installation and annual operating costs than two single compressor chillers (DWDC)
- Main components can be removed or repaired without shutting down the unit as the chiller has two of everything (compressors, lubrication systems, control systems and starters) (DWDC)
- Unloading to 5% (DWSC) or 10% (DWDC) of full load provides improved stability of the chilled water temperature and less harmful cycling of compressors
- Single stage centrifugal compressor (DWSC)



DWSC-DWDC MicroTech II

Cooling only		DWDC/DWSC	DWDC	DWSC
Cooling capacity	Min.	kW	600	300
	Max.	kW	9,000	4,500
Compressor	Type		Single stage centrifugal compressor	
Refrigerant	Type / GWP		R-134a / 1,430	
	Charge	kg	700 - 1,400	300 - 1,000
		TCO_2Eq	1,001 - 2,002	429 - 1,430

* not Eurovent certified



Options - Chillers

Options - Small chillers

Chiller series	Integrated hydronics	LWE		Electrical
	Single pump	High Glycol	Low Glycol	Evaporator heater tape
	OPSP	OPZH	OPZL	OP10
EWAQ-BVP	STD			STD
EWYQ-BVP	STD			STD
EWAQ-ACV3	STD			STD
EWAQ-ACW1	STD			STD
EWYQ-ACV3	STD			STD
EWYQ-ACW1	STD			STD
EWWQ-KBW1N		Option	Option	
EWLQ-KBW1N		Option	Option	

(1) Impossible option combination: OPZH+OPZL

Options - Medium and large chillers (Part 1)

Description	Code	EWAQ-CW EWYQ-CW	EWAQ-G-	EWYQ-G-	EWYQ-F-XS EWYQ-F-XL	EWYQ-F-XR	EWAD-TZB	EWAH-TZB	EWAD-T
Total heat recovery	01		Option				Option	Option	Option
Total heat recovery (1 circuit)	02								
Partial heat recovery	03a		Option	Option	CF	CF	Option	Option	Option
Evaporator 1 Pass	03b								
Direct on line starter (DOL)	04		STD	STD	STD	STD			
WyeDelta compressor starter (YD)	05								STD
Soft starter	06		Option	Option	Option	Option			Option
Heat pump version	07								
Heat pump version (including pursuit mode)	07a (15)								
Brine version	08 (1)	Option	Option	Option	Option	Option	Option	Option	Option
Low temperature brine	08d								
Double setpoint	10		STD	STD	STD	STD	STD	STD	STD
Compressor thermal overload relays	11				Option	Option	STD	STD	Option
Fans thermal relays	12								
Phase monitor	13						STD	STD	STD
Inverter compressor starter	14						STD	STD	
Under / Over voltage control	15		Option	Option	Option	Option	STD	STD	Option
Energy meter	16				Option	Option			Option
Energy meter (including current limit)	16a						Option	Option	
Capacitors for power factor correction	17		Option	Option	Option	Option			Option
Capacitors for power factor correction (single-V)	17b								
Current limit	19								Option
Evaporator victaulic kit	20		STD	STD	STD	STD	STD	STD	STD
Evaporator flange kit	21						Option	Option	Option
Evaporator marine waterbox victaulic (2 passes)	22								
Evaporator marine waterbox victaulic (1 pass)	22a								
Evaporator marine waterbox flanged (2 passes)	24								
Evaporator marine waterbox flanged (1 pass)	24a								
Condenser double flanges kit	26								
Evaporator water side design pressure (10 Bar)	27								
Evaporator water side design pressure (16 Bar)	28								
20mm evaporator insulation	29		STD	STD	STD	STD	STD	STD	STD
Axial fans (100 Pa lift)	30								
Axial fans (250 Pa lift)	32								
20mm condenser insulation	33								
Condenser victaulic kit	36								
Condenser marine waterbox victaulic (2 passes)	38								
Condenser marine waterbox victaulic (1 pass)	38a								
Condenser marine waterbox flanged (2 passes)	40								
Condenser marine waterbox flanged (1 pass)	40a								
Speedtrol (fan speed control device ON/OFF up to 18°C)	42						Option	Option (17)	Option
Speedtrol (fan speed control device ON/OFF down to 10°C in cooling)	42a				Option				
Condenser coil guards	43				Option	Option			
Evaporator area guards	44				Option	Option			
CuCu condenser coil	45				Option	Option			
CuCuSn condenser coil	46				Option	Option			
Condenser water side design pressure (16 Bar)	47								
Condenser water side design pressure (10 Bar)	47a								
Alucoat fins coil	49			STD	STD	STD			
CuNi 9010 condenser tubes	50								
Condenser 1 pass (ΔT 48 °C)	51								
Condenser 2 passes (ΔT 48 °C)	52								
Condenser 2 passes (ΔT 915 °C)	53								
Condenser 3 passes	53b								
Condenser 4 passes	54								
Water pressure differential switch on condenser	55								
Water pressure differential switch on evaporator	56								
Evaporator electric heater	57	Option	STD	STD	STD	STD	STD	STD	Option
Evaporator flow switch	58		Option	Option	STD	STD	Option	Option	
Condenser flow switch	59								
Electronic expansion valve	60		STD	STD	STD	STD	STD	STD	STD
Discharge line shutoff valve	61				Option	Option	STD	STD	STD
Suction line shutoff valve	62				Option	Option	STD	STD	Option

(1) Option 08 includes option 29 and option 146 - (2) Option 99(a) includes 'Fan overload protection' - (3) Piping between the inertial tank and the unit is not included. Electric heater power supply has to be provided from external source - (4) The order of inverter compressor will have an impact on the delivery time: please contact the factory - (5) Unit performance will be affected; contact factory for information. It is mandatory to order the option 26 when selecting CU-Ni 90-10 condenser tubes - (6) Sound proof system - compressor enclosure - (7) Compressor enclosure - (8) Soundproof cabinet will be supplied in a separate kit and not assembled. For better performance the cabinet will be integral kind (around the whole chiller, not only around compressors). Cabinet assembly is not included in the supply (9) Special transport is required (flat rack truck and open top when option 01 is selected) for model sizes as follows: EWWDC12I-SS - EWWDC18I-SS (10) Forklift loading-unloading operations are not allowed when option 01 is selected for model sizes as follows: EWWDC12I-SS - EWWDC18I-SS - (11) Special Transport is required (flat rack truck and open top) for model sizes as follows: EWLDC10I-SS - EWLDC17I-SS or EWWQC11B-SS - EWWQC20B-SS or EWWQC10B-XS, EWWQC12B-XS - EWWQC21B-XS - (12) Forklift loading-unloading operations are not allowed for model sizes as follows: EWLDC10I-SS - EWLDC17I-SS or EWWQC11B-SS - EWWQC20B-SS or EWWQC10B-XS, EWWQC12B-XS - EWWQC21B-XS - (13) STD only for single circuit unit (14) STD only for Premium and High efficiency version - (15) Option 07a includes option 33 (20mm condenser insulation) - (16) Option 111 contains option 07a (Heat pump version, including pursuit mode) and option 33 (20mm condenser insulation) (17) Only available for some models.

CF = Contact the factory - STD = Standard - SO = Specify at Order entry - NC = No additional cost

Options - Medium and large chillers (Part 1)

EWAT-B-	EWAD-CF	EWYD-BZSS	EWYD-BZSL	EWYD-4Z	ERAD-E-	EWWD-J-SS	EWWD-VZ	EWWH-VZ	EWLD-J-SS	EWLD-I-SS	EWWD-DZ EWWH-DZ
Option					Option		Option	Option (17)			
Option		Option	Option	Option	Option						
							Option				
STD											
	STD				STD	STD			STD	STD	
Option	Option				Option	Option(4)			Option(4)	Option	
						Option	Option	Option			
	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	
								CF			
STD	STD	STD	STD	STD	STD	STD	STD	STD		STD	
Option	Option			STD	Option	Option	STD	STD		Option	
	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	
		STD	STD	STD			STD	STD			STD
Option	Option	Option	Option	STD	Option	Option	STD	STD	Option	Option	
Option	Option	Option	Option		Option	Option			Option	Option	Option
				Option			Option	Option			
Option	Option				Option	Option				Option	
Option											
	Option	Option	Option		Option	Option			Option	Option	STD
STD		STD	STD	STD		STD	STD	STD	STD	STD	STD
Option	STD			Option							
											Option
				Option		Option	Option	Option			Option
							STD	STD		STD	STD
OPTION	STD	Option	Option	STD		STD	STD	STD	STD	Option	STD
				STD		Option	Option	Option			Option
				STD		STD	STD	STD			STD
											Option
Option					Option						
	Option	Option	Option	Option	Option						
	Option			Option							
	Option	Option	Option	Option	Option						
	Option	Option	Option		Option						
						STD					
							STD	STD			STD
	Option	Option	Option	STD	Option						
						Option(5)	Option	Option			Option
							STD	STD			Option
						STD					STD
											Option
STD	STD	STD	STD	STD							
Option	Option	Option	Option	Option		STD	Option	Option	STD	Option	Option
							Option	Option			Option
STD	STD	STD	STD	STD		STD	STD	STD	STD	STD	STD
Option	STD	STD	STD	STD	STD	STD	Option	Option	STD	Option	Option
Option	Option	STD	STD	Option	STD	STD	Option	Option	STD	Option	Option

Options - Medium and large chillers (Part 2)

Description	Code	EWAQ-CW EWYQ-CW	EWAQ-G-	EWYQ-G-	EWYQ-F-XS EWYQ-F-XL	EWYQ-F-XR	EWAD-TZB	EWAH-TZB	EWAD-T
High pressure side manometers	63				Option	Option	Option	Option	Option
Low pressure side manometers	64				Option	Option	Option	Option	Option
Ambient outside temperature sensor and setpoint reset	67		STD	STD	STD	STD	STD	STD	STD
Hour run meter	68		STD	STD	STD	STD	STD	STD	STD
General fault contactor	69		STD	STD	STD	STD	STD	STD	STD
Alarm from external device	70								
Container Kit	71		Option	Option	Option	Option	Option	Option	Option
Rubber anti vibration mounts	75		Option	Option	Option	Option	Option	Option	Option
Sound proof system	76								
Sound proof system (integral)	76-a								
Sound proof system (compressor)	76-b								
Spring anti vibration mounts	77		Option	Option	Option	Option	Option	Option	Option
One centrifugal pump (low lift)	78	Option	Option	Option			Option	Option	Option
One centrifugal pump --- SPK1	78-a				Option	Option			
One centrifugal pump --- SPK2	78-b				Option	Option			
One centrifugal pump --- SPK3	78-c				Option	Option			
One centrifugal pump --- SPK4	78-d				Option	Option			
One centrifugal pump --- SPK5	78-e								
One centrifugal pump --- SPK6	78-f								
One centrifugal pump --- SPK7	78-g								
One centrifugal pump --- SPK8	78-h								
One centrifugal pump --- SPK9	78-i								
One centrifugal pump --- SPK10	78-j								
One centrifugal pump --- SPK1a	78-l				Option	Option			
One centrifugal pump --- SPK1b	78-m				Option	Option			
One centrifugal pump --- SPK1c	78-n				Option	Option			
One centrifugal pump (high lift)	79	Option	Option	Option			Option	Option	Option
Two centrifugal pump (low lift)	80		Option	Option			Option	Option	Option
Two centrifugal pump --- DPK1	80-a								
Two centrifugal pump --- DPK2	80-b								
Two centrifugal pump --- DPK3	80-c								
Two centrifugal pump --- DPK4	80-d								
Two centrifugal pump --- DPK5	80-e								
Two centrifugal pump --- DPK6	80-f								
Two centrifugal pump --- DPK7	80-g								
Two centrifugal pump --- DPK8	80-h								
Two centrifugal pump (high lift)	81		Option	Option			Option	Option	Option
External tank without cabinet (500 L)	83 (3)		Option	Option	Option	Option	Option	Option	Option
External tank without cabinet (1000 L)	84 (3)		Option	Option	Option	Option	Option	Option	Option
External tank with cabinet (500 L)	87 (3)		Option	Option	Option	Option	Option	Option	Option
External tank with cabinet (1000 L)	88 (3)		Option	Option	Option	Option	Option	Option	Option
Acoustic test	89								
Setpoint reset, Demand limit and Alarm from external device	90				Option	Option	STD	STD	STD
Double pressure relief valve with diverter	91		Option	Option	Option	Option	Option	Option	Option
PW COMPRESSOR - PART WINDING START	92								
Low ambient kit for 1 circuit	93								
Low ambient kit for 2 circuits	94								
Compressors circuit breakers	95		Option	Option	Option	Option	Option	Option	Option
Fans circuit breakers	96		Option	Option	Option		STD	STD	STD
Main switch interlock door	97		STD	STD	STD	STD	STD	STD	STD
Emergency stop	98								
Fans speed regulation (+ fan silent mode)	99 (2)								
Fans speed regulation (inverter)	99a (2)				Option	STD	Option	Option (17)	Option
Refrigerant recovery unit	100								
Evaporator right water connections	101						Option	SO	SO
Ground fault relay	102				Option	Option	Option	Option	Option
Evaporator 1 pass	103								
Evaporator 2 passes	103a								
Evaporator 3 passes	103b								
Evaporator double flange kit	104								
Liquid receiver	105								
Rapid restart	110						Option	Option	Option
High temperature kit	111								
Transport kit	112		Option	Option	Option		Option	Option	Option
Optimized free cooling (VFD fans regulation)	113-a								
Optimized free cooling (On/Off fans)	113-b								
Nordic kit	114			Option	Option	Option			
Water filter	115		Option	Option	STD	STD	STD	STD (17)	
Condenser coil protection panels	116				Option	Option			
Blygold coil treatment	117			Option	Option	Option			
Inverter kit for 1 centr pump low lift	120e		Option				Option	Option	Option
Inverter kit for 1 centr pump high lift	120f		Option				Option	Option	Option
Inverter kit for 2 centr pumps low lift	120g						Option	Option	Option
Inverter kit for 2 centr pumps high lift	120h						Option	Option	Option
Refrigerant leak detection	121						Option	Option (17)	
Discharge and suction line shut-off valve	126		Option	Option					
High and low pressure side manometers	127		Option	Option					
Master/slave	128		STD	STD	STD	STD	STD	STD	STD
One centrifugal pump (low lift) + tank	134		Option	Option					
One centrifugal pump (high lift) + tank	135		Option	Option					
Two centrifugal pump (low lift) + tank	136		Option	Option					
Two centrifugal pump (high lift) + tank	137		Option	Option					
Coil guard	138		Option	Option					
E-coating microchannel coils	139		Option				Option	Option	Option
Unit guards (to cover unit access)	140						Option	Option	Option
Side panels on coil ends	141						Option	Option	Option
High ambient kit (operatin 46°C)	142						Option	Option	Option
High ambient kit	142a								
Variable primary flow	143						Option	Option	
Diff pressure transd (shipped loose)	144						Option	Option	
EC motor fans	145						Option		
Compressor thermal insulation	146								
Knock-down electrical panel	147								
Automatic transfer switch (free standing)	149								
Inverter EN61800-3 class C2 compliant	150								
Rubber pads	152								
Blue coat	153						Option	Option	Option
Evaporator Optimized for high delta T	154						Option	Option	
Daikin on site modem (with antenna)	155						Option	Option	Option
AC 9000 rpm fans	156						Option	STD (17)	
AC 700 rpm fans	157						Option	STD (17)	
Brushless fans up to 900 rpm	158						Option	Option (17)	
Brushless fans up to 700 rpm	159						Option	Option	
100 PA ESP fans	160			Option			Option	Option (17)	
200 PA ESP fans	161						Option	Option	
Cu-Ni Evaporator tubes	164						Option	CF	
Marine version	167								
120 Pa ESP fans	168				Option				
Portable touch screen	169								
Nitrogen holding charge on water side heat exchangers	170								

EWAT-B-	EWAD-CF	EWYD-BZSS	EWYD-BZSL	EWYD-4Z	ERAD-E-	EWWD-J-SS	EWWD-VZ	EWWH-VZ	EWLD-J-SS	EWLD-I-SS	EWWD-DZ EWWH-DZ
Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Option	Option	Option	Option	Option		Option	Option	Option	Option	Option	Option
STD	STD	STD	STD	STD	STD						
STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
Option											
Option		Option	Option	Option	Option	Option	Option	Option	Option	Option(11)	STD
Option	Option	Option	Option	Option	Option	Option			Option	Option	
										Option (8)	
						Option (6)	Option	Option	Option (6)		Option
Option	Option	Option	Option	Option	Option						
Option		Option		Option							
	Option										
	Option										
Option		Option		Option							
Option		Option		Option							
Option		Option		Option							
Option		Option	Option	Option							
Option		Option	Option	Option							
Option		Option	Option	Option							
	STD	Option	Option	STD	STD	STD	STD	STD	STD	STD	STD
Option	Option	Option	Option	Option	Option	Option	STD	STD	Option	Option	STD
Option	Option			Option	Option		Option	Option			Option
Option	STD	STD	STD	STD	STD						
STD	STD			STD	STD	STD	STD	OPTION	STD	STD	STD
	STD					STD			STD	STD	
Option	STD	Option	STD		Option						
				STD							
	SO	Option	SO								
Option	Option			Option		Option	Option	Option	Option	Option	Option
							Option	Option			Option
							STD	STD			STD
							Option	Option			Option
							Option	Option		Option	Option
									Option	Option	
	Option			Option			Option	Option			Option
							Option	Option			
Option		Option	Option	Option	Option	Option	Option	Option	Option	Option(12)	Option
	Option										
	Option										
		Option	Option	Option							
Option											
	Option	Option	Option		Option						
	Option			Option	Option						
Option				Option							
Option				Option							
Option				Option							
Option				Option							
Option							Option	Option			Option
Option											
Option											
STD				STD			STD	STD			STD
Option											
Option											
Option											
Option											
Option											
Option											
Option											
				Option							
Option											
Option				Option							
Option				Option							
							Option	Option			Option
							Option	Option			CF
							Option	Option			Option
							Option	Option			CF
							Option	Option			Option
Option											
Option				Option			Option	Option			Option
				Option							
Option (17)				Option							
Option (17)											
							Option				
								CF			
											Option
											Option

Accessories - Chillers

DWSC & DWDC EWWD~FZ	Air-cooled chillers									
Panels	**EWAQ~BVP EWYQ~BVP**	**EWAQ~AC EWYQ~AC**	**EWAQ-CW EWYQ-CW**	**EWYQ-F-**	**EWYD~BZ**	**EWYD~4Z**	**EWAD~TZ (&B)**	**EWAH-TZB**	**EWAD~T- (B)**	**EWAT-B**
EKDICMPAB (a) (b) iCM Primary Basic							●	●	●	●
EKDICMPAL (a) (b) iCM Primary for evaporator peripherals Light							●	●	●	●
EKDICMPAF (a) (b) iCM Primary for evaporator peripherals Full							●	●	●	●
EKPWPRO PlantWatchPRO monitoring system										
EKPWPROM PlantWatchPRO monitoring system (modem & webserver included)										
EKTSMS Temperature sensor for master/slave configuration				●						●
EKRUMCL1 User Interface	●									

	Air-cooled chillers									
Serial Cards & Communication Modules	**EWAQ~BVP EWYQ~BVP**	**EWAQ~AC EWYQ~AC**	**EWAQ-CW EWYQ-CW**	**EWYQ-F-**	**EWYD~BZ**	**EWYD~4Z**	**EWAD~TZ (&B)**	**EWAH-TZB**	**EWAD~T- (B)**	**EWAT-B**
EKAC200J Serial Card RS485/Modbus					●					
EKACBAC Ethernet Card BACnet					●					
EKACLONP Serial Card LON FTT10					●					
EKACRS232 Serial Card RS232 Modem Interface (single unit only)					●					
EKACWEB Web Server Card					●					
EKACBACMSTP Serial Card BACnet MSTP					●					
EKACBACCERT Serial Card BACnet pre-loaded (centrifugal chillers)										
EKACMSTPCERT Serial Card BACnet pre-loaded MSTP (centrifugal chillers)										
EKCM200J ModBus RTU communication module				●		●	●	●	●	●
EKCMLON LON communication module				●		●	●	●	●	●
EKCMBACMSTP BACnet/MSTP communication module				●		●	●	●	●	●
EKCMBACIP BACnet/IP communication module				●		●	●	●	●	●
EKACPG Communication cards										

	Air-cooled chillers									
Other Systems & Accessories	**EWAQ~BVP EWYQ~BVP**	**EWAQ~AC EWYQ~AC**	**EWAQ-CW EWYQ-CW**	**EWYQ-F-**	**EWYD~BZ**	**EWYD~4Z**	**EWAD~TZ (&B)**	**EWAH-TZB**	**EWAD~T- (B)**	**EWAT-B**
EKCON Converter RS485 to RS232					●					
EKCONUSB Converter RS485 to USB					●					
EKMODEM Fixed modem					●					
EKGSMOD GSM modem					●					
EKRUPCJ Remote display kit					●					
EKRUPCS Local/remote display HMI				●		●	●		●	
EKPWPROEXT PlantWatchPro I/O extension module for hardwiring and retrofit					●					
EKGWWEB Gateway web (Ethernet LAN SNMP)					●					
EKGWMODEM Gateway for modem					●					
EKRUPG Remote user interface										
EKGN210 European Kit Grouved Nipple (for sizes 080-210)										
EKGN260 European Kit Grouved Nipple (for sizes 230-260)										
EKSS Soft Starter kit 5/8/10/12 Hp-units										
EKAC10C Address card for connection to BMS or Remote user interface										
EKRUMCA Remote installed user interface										
EKBT Buffertank 200 l (for N & P models										
EHMC10A10 Hydraulic module 5/8/10 and 14/22 Hp-units										
EHMC10A80 Hydraulic module 5/8/10 and 14/22 Hp-units										
EHMC15A10 Hydraulic module 28/35 Hp-units										
EHMC15A80 Hydraulic module 28/35 Hp-units										
EHMC30A10 Hydraulic module 45/55/65 Hp-units										
EHMC30A80 Hydraulic module 45/55/65 Hp-units										
EKLS1 Low noise kit 014 Hp-units										
EKLS2 (d) Low noise kit 22/28/35/45/55/65 Hp-units										
ECB2MUAW (e) Controller kit										
ECB3MUAW (e) Controller kit										
ECB2MUBW (e) Controller kit										
ECB3MUBW (e) Controller kit										
EKRP1HB (f) Digital input/output PCB (remote alarm and ON/OFF signalisation										
EKRP1AHT Digital input/output PCB			●							
EKRUAHTB Remote user interface			●							
DTA104A62 External control adapter			●							
BHGP26A1 Digital pressure gauge kit			●							
EKQDP2M016 (h) Differential Pressure Sensor 4-20 mA 0-160 kPa						●	●		●	
EKQDP2M020 (h) Differential Pressure Sensor 4-20 mA 0-250 kPa						●	●		●	
EKQDP2M040 (h) Differential Pressure Sensor 4-20 mA 0-400 kPa						●	●		●	
EKQDP2M060 (h) Differential Pressure Sensor 4-20 mA 0-600 kPa						●	●		●	
EKDAPCONT Containerization of one unit				●	●	●	●		●	
EKDAPSTF Containerization of additional units in the same container				●	●	●	●		●	

Notes:
(a) Price does not include commissioning of panel; if commissioning is required please refer to RN17-041
(b) iCM panels work in cooling mode only; heat pump versions and total heat recovery options on A/C and W/C chillers are not compatible
(c) in case you are ordering iCM panels please contact factory
(d) For 45/55/65 Hp-units 2 pieces are needed

					Water-cooled chillers						Centrifugals	
EWAD~E-	ERAD~E-	EWAQ~G-	EWYQ~G-	EWAD~CF (c)	EWWQ~KB	EWLQ~KB	EW_Q-G EW_Q_-L	EWLD-I-	EWWD~J- EWLD~J-	EWWD-VZ A EWWH-VZ A	EWWD-DZ EWWH-DZ	DWSC & DWDC
●		●		●			●	●	●	●	●	●
●		●		●			●	●	●	●	●	●
●		●		●			●	●	●	●	●	●
												●
												●
		●	●				●					

					Water-cooled chillers						Centrifugals	
EWAD~E-	ERAD~E-	EWAQ~G-	EWYQ~G-	EWAD~CF (c)	EWWQ~KB	EWLQ~KB	EW_Q-G EW_Q_-L	EWLD-I-	EWWD~J- EWLD~J-	EWWD-VZ A EWWH-VZ A	EWWD-DZ EWWH-DZ	DWSC & DWDC
												●
												●
												●
												●
●	●	●	●	●			●	●	●	●	●	
●	●	●	●	●			●	●	●	●	●	
●	●	●	●	●			●	●	●	●	●	
●	●	●	●	●			●	●	●	●	●	

					Water-cooled chillers						Centrifugals	
EWAD~E-	ERAD~E-	EWAQ~G-	EWYQ~G-	EWAD~CF (c)	EWWQ~KB	EWLQ~KB	EW_Q-G EW_Q_-L	EWLD-I-	EWWD~J- EWLD~J-	EWWD-VZ A EWWH-VZ A	EWWD-DZ EWWH-DZ	DWSC & DWDC
												●
												●
												●
												●
												●
●	●	●	●	●			●	●	●	●	●	
												●
												●
												●
					●	●						
					●	●						
					●	●						
					●							
					●							
●		●		●			●	●	●	●	●	●
●		●		●			●	●	●	●	●	●
●		●		●			●	●	●	●	●	●
●		●		●			●	●	●	●	●	●
●	●	●	●	●			●	●	●	●	●	
●	●	●	●	●			●	●	●	●	●	

(e) Only available for modulare units (EWWP~KAW1M)
(f) For 009/010/011/013 units (price available in SAP system)
(g) Price available in SAP system
(h) Differential pressure sensor are specific for iCM panels in variable primary flow management



Fan Coil Units are a highly efficient means of turning a water chiller, heat pump or hot water boiler into an efficient, quiet air conditioning system. These units are an effective solution to provide a comfortable environment for both commercial and residential applications. Daikin offers a wide range of Fan Coil Units for both concealed and exposed applications. Three models are available in flexible application. The only moving part in the units is the fan, making them ideal for use in offices, hotels and at home. The goal is to obtain the right solution, both technically and aesthetically.

Fan coil units

Why choose Daikin fan coil units? 538

Products overview 540

Round flow cassette 542
FWC-BT/BF 542

4-way blow ceiling mounted cassettes 543
FWG-AT/AF 543
FWF-BT/BF 544
FWF-CT 545

Floor standing units 546
FWZ-AT/AF 546
FWV-DAT/DAF 547

Flexi type units 548
FWR-AT/AF 548
FWL-DAT/DAF 549
FWS-AT/AF 550
FWM-DAT/DAF 551

Ducted units 552
FWE-CT/CF low ESP 552
FWP-AT medium ESP 553
FWB-BT medium ESP 554
FWN-AT/AF medium ESP 555
FWD-AT/AF high ESP 556

Wall mounted unit 557
FWT-CT 557

Options & accessories 558



Fan coil units with BLDC motor

As more buildings undergo renovation, the need to be able to deliver high indoor air quality in a specific space in an **efficient and cost-effective way** without having to do a radical re-fit of the entire HVAC system has made fan coil technology an obvious solution.

Daikin has a full capacity range of **aesthetically pleasing** fan coil units with advanced controls that reliably deliver **excellent comfort levels**. And by using a refined range of advanced DC fan motors, we are able to offer flexibility while maintaining very low noise levels.

Why choose Daikin fan coil units?

- The new brushless DC ranges reflect Daikin's commitment to developing highly efficient fan coil units that help to reduce energy consumption, without compromising on reliability and performance.
- High level quality is written large for us and we are pleased to offer high technology solutions to the market.

Benefits for the installer

› Reduced amount of sizes: less stock space needed
› Modular designs for multiple configurations
› Easy integration in BMS system via modbus protocol

Benefits for the consultant

› Best solution in the market in order to have top efficiency, best comfort and lowest sound levels
› Product flexibility: wide range of options, accessories and controls

Benefits for the end user

› High comfort level
› Up to 70% savings on running costs with a BLDC fan motor
› Controller with timer programmed operating mode
› FWECSA controller that can satisfy all customer requirements in terms of FCU management

Fan coil unit software

Select your unit via our selection software
› Selection logic is based on cooling and/or heating mode conditions entered by the user
› A detailed report including technical specifications can be printed.

Download the software from the business portal. Fan coil selection is available in the software finder.

Payback tool

Prove quickly the saving in electric costs using the new BLDC motor technology compared to the AC motor technology via our payback tool. The tool can be downloaded from the business portal. Search for: BLDC payback tool

BIM objects

Our Fan Coils units are available as BIM objects in Revit format, which means they can be used in Autodesk REVIT MEP and in AutoCAD 2D files.
Visit our **BIM Application Suite**

BLDC fan motors Video

Learn more on the advantages of BLDC fan motors in Fan coil units:



Check on YouTube
www.youtube.com/DaikinEurope

Benefits of brushless inverter technology on fan coil units:

Higher efficiency than AC (Alternative Current) motor

› Up to 70% energy savings
› No heat generation
› No power losses
› Higher efficiency than AC motors to reach set point

High comfort level

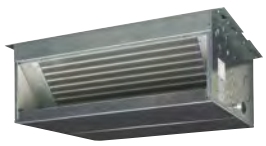
› Less fluctuation of air temperature and relative humidity
› More consistent output level
› Stepless speed change for gradual air output
› More accurate adjustments to reach set point

Low sound levels

› Lower minimum rotation speed
› No start-stop sequence
› Gradual air output

High flexibility level

› Multiple configurations: cassettes, floorstanding units, flexi type units with or without cabinet and ducted units
› Wide capacity range in heating and cooling
› Different piping topologies and connection valves


FWN-AT/AF


FWG-AT/AF


FWR-AT/AF


FWS-AT/AF


FWC-BT/BF


FWP-AT


FWZ-AT/AF

Products overview

Type	Model	Product name		Fan motor type	Capacity
Round flow cassette	Round flow cassette - 900 x 900 cassette - 360° air discharge ensures uniform air flow - Integrated fresh air intake - Easy installation in corners - Standard drain pump with 850 mm lift	FWC-BT/BF		BLDC	Cooling: 4.0 - 8.7 kW Heating: 5.5 -12.1 kW
4-way blow ceiling mounted cassette	4-way blow ceiling mounted cassette - 900 x 900 cassette - High efficiency, continuous air flow regulation and fan speed modulation - Reduced sound emissions - Easy installation and maintenance	FWG-AT/AF		BLDC	Cooling: 2.0~ 11.75 kW Heating: 3.3~ 15.65 kW
	4-way blow ceiling mounted cassette - 600 x 600 cassette - Integrated fresh air intake - Horizontal auto swing - Easy installation in corners - Standard drain pump with 750 mm lift	FWF-BT/BF		AC	Cooling: 1.4 - 5.2 kW Heating: 2.3 - 6.7 kW
	4-way blow ceiling mounted cassette - 600 x 600 cassette - Easy installation and maintenance - High power air flow - Standard drain pump with 700 mm lift	FWF-CT		AC	Cooling: 1.91 - 4.54 kW Heating: 2.64 - 5.28 kW
Floor standing units	Floor standing unit - For vertical mounting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWZ-AT/AF		BLDC	Cooling: 2.64 - 10.08 kW Heating: 2.46 - 11.18 kW
	Floor standing unit - For horizontal or vertical concealed mounting - Insulated valve packages, no extra drain pan required - Fast-on connections for electrical options: no tools needed - Easy maintenance	FWV-DAT/DAF		AC	Cooling: 1.46 -8.02 kW Heating: 1.90 - 10.03 kW
Flexi type units	Flexi type unit - For horizontal or vertical mouting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWR-AT/AF		BLDC	Cooling: 2.64 - 10.08 kW Heating: 2.46- 11.18 kW
	Flexi type unit - For horizontal or vertical concealed mounting - Insulated valve packages, no extra drain pan required - Fast-on connections for electrical options: no tools needed - Easy maintenance	FWL-DAT/DAF		AC	Cooling: 1.46 - 8.02 kW Heating: 1.90 - 10.03 kW
	Concealed flexi type unit - For horizontal or vertical concealed mounting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWS-AT/AF		BLDC	Cooling: 2.64 - 10.08 kW Heating: 2.46 - 11.18 kW
	Concealed flexi type unit - For horizontal or vertical concealed mounting - Insulated valve packages, no extra drain pan required - Fast-on connections for electrical options: no tools needed - Easy maintenance	FWM-DAT/DAF		AC	Cooling: 1.46 -8.02 kW Heating: 1.90 - 10.03 kW
Ducted units	Ducted unit with low ESP - For horizontal concealed mounting - Available static pressure up to 30 Pa - Easy installation and maintenance - 4-speed fan motor - High power air flow	FWE-CT/CF		AC	Cooling: 2.10 - 9.96 kW Heating: 2.3 - 13.00 kW
	Ducted unit with medium ESP - For horizontal concealed mounting - Instant adjustment to temperature and relative humidity changes - Available static pressure up to 70 Pa - Low sound levels	FWP-AT		BLDC	Cooling: 2.61 - 6.47 kW Heating: 5.47 - 12.28 kW
	Ducted unit with medium ESP - For horizontal concealed mounting - Available static pressure up to 60 Pa - 7-speed electrical motors (thermal protection on windings) - Easy maintenance	FWB-BT		AC	Cooling: 2.61 - 10.34 kW Heating: 5.47 - 18.78 kW
	Ducted unit with medium ESP - For horizontal or vertical concealed mounting - Avaiable static pressure up to 70 Pa - Easy maintenance	FWN-AT/AF		BLDC	Cooling: 2.83 - 8.75 kW Heating: 3.63 - 18.10 kW
	Ducted unit with high ESP - For horizontal or vertical concealed mounting - Available static pressure from 60 up to 145 Pa - Easy maintenance	FWD-AT/AF		AC	Cooling: 3.90 - 18.30 kW Heating: 4.05 - 21.92 kW
Wall mounted unit	Wall mounted unit - High aesthetic cabinet design - Optimum air distribution - Easy installation - 3-speed fan motor	FWT-CT		AC	Cooling: 2.43 - 5.28 kW Heating: 3.22 - 7.33 kW

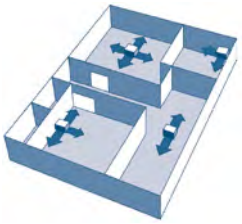
Capacity class

1	15	2	25	3	35	4	5	6	7	8	9	10	11	12	16	18
								•	•	•	•					
							•			•			•			
		•		•		•	•									
		•		•		•										
		•		•				•		•						
•	•	•	•	•	•	•		•		•		•				
		•		•				•		•						
•	•	•	•	•	•	•		•		•		•				
		•		•				•		•						
•	•	•	•	•	•	•		•		•		•				
		•		•		•		•	•	•		•				
		•		•		•	•	•	•							
		•		•		•	•	•	•	•	•	•				
						•	•	•	•	•		•				
						•		•		•		•		•	•	•
		•		•		•	•	•								

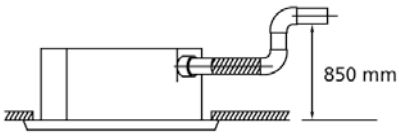
Round flow cassette

BLDC fan motor unit for ceiling mounting. 360° air discharge

› 360° air discharge ensures uniform air flow and temperature distribution
› Modern style decoration panel in white (RAL9010)
› Optional fresh air intake
› Comfortable horizontal air discharge ensures draughtfree operation and prevents ceiling soiling



› Possibility to shut 1 or 2 flaps for easy installation in corners
› Standard drain pump with 850mm lift increases flexibility and installation speed





FWC-BT/BF



BRC7E532F/533F



BRC315D7

Indoor unit			FWC-BT/BF	06	07	08	09	06	07	08	09
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	5.5	6.1	7.2	8.1	5.9	6.3	7.2	8.3
		Medium	kW	4.7	5.3	5.9	6.8	5.1	5.6	6.2	6.9
		Low	kW	3.9	4.5	4.8	5.4	4.3	4.6	4.8	5.7
	Sensible capacity	High	kW	4.2	4.7	5.7	6.5	4.2	4.6	5.4	6.4
		Medium	kW	3.5	4.0	4.5	5.3	3.6	4.0	4.5	5.2
		Low	kW	2.8	3.3	3.5	4.1	3.1	3.3	3.5	4.0
Heating capacity (standard conditions)	High		kW	6.8	7.7	9.2	10.6	6.9	7.8	9.2	10.4
	Medium		kW	5.8	6.6	7.6	8.8	6.1	6.7	7.6	8.7
	Low		kW	4.8	5.5	5.8	7.0	5.2	5.5	5.8	6.8
Power input	High		kW	0.045	0.054	0.077	0.107	0.046	0.055	0.077	0.107
	Medium		kW	0.040	0.046	0.058	0.076	0.041	0.047	0.059	0.077
	Low		kW	0.034	0.037	0.039	0.045	0.035	0.038	0.040	0.046
FCEER				116	119	113	104	124	120	112	106
FCCOP				143	147	141	137	149	144	138	131
Dimensions	Unit	HeightxWidthxDepth	mm	288x840x840							
Weight	Unit		kg	26				29			
Fan	Type			Turbo fan							
	Quantity			1							
	Air flow rate	High	m^3/h	1,068	1,236	1,518	1,776	1,032	1,200	1,476	1,746
		Medium	m^3/h	894	1,038	1,200	1,410	864	1,002	1,164	1,374
		Low	m^3/h	720	834	888	1,044	708	804	852	1,014
Total sound power level	High		dBA	43.0	47.0	53.0	57.0	43.0	47.0	53.0	57.0
	Medium		dBA	36.0	39.0	44.0	49.0	36.0	39.0	44.0	49.0
	Low		dBA	31.0	33.0	36.0	40.0	33.0	36.0		40.0
Sound pressure level	High		dBA	29.0	33.0	39.0	43.0	29.0	33.0	39.0	43.0
	Medium		dBA	24.0	28.0	32.0	37.0	24.0	28.0	32.0	37.0
	Low		dBA	21.0	22.0	24.0	28.0	21.0	22.0	24.0	28.0
Piping connections	Drain	OD	mm	VP25 (External dia.32 / internal dia. 25)							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240							
Control systems	Infrared remote control			BRC7E532F / BRC7E533F							
	Wired remote control			BRC315D7							

For standard conditions refer to Measuring Conditions table, at the end of this catalogue

4-way blow ceiling mounted cassette

BLDC fan motor unit for ceiling mounting. High efficiency, continuous air flow regulation and fan speed modulation

- Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- Instant adjustment to temperature and relative humidity changes
- Continuous modulation of fan speed resulting in reduced sound emissions, in comparison with fixed speed AC motor fan coil units
- Easy installation and maintenance
- Drain pump with 700mm lift



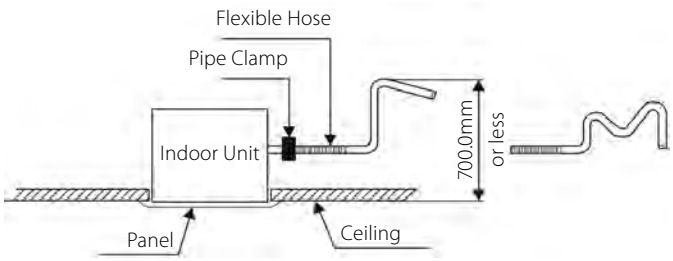
FWG-AT/AF



BRC51A61



BRC52A61



Indoor unit				FWG-AT/AF	05	08	11	05	08	11
					2-pipe			4-pipe		
Cooling capacity (standard conditions)	Total capacity	High		kW	5.86	8.71	11.63	4.36	7.11	8.88
		Medium		kW	4.63	7.20	9.62	3.58	6.05	7.67
		Low		kW	3.49	5.77	7.81	2.79	4.97	6.46
	Sensible capacity	High		kW	4.47	6.34	8.25	3.81	5.66	7.05
		Medium		kW	3.42	5.36	6.89	2.97	4.80	5.98
		Low		kW	2.53	4.23	5.50	2.23	3.78	4.86
Heating capacity (standard conditions)	High			kW	5.91	9.40	11.35	6.74	9.86	13.79
	Medium			kW	4.83	7.52	9.51	5.47	8.51	11.82
	Low			kW	3.73	5.95	7.66	4.45	7.09	10.09
Power input	High			kW	0.047	0.100	0.130	0.047	0.100	0.130
	Medium			kW	0.03	0.06	0.09	0.03	0.06	0.09
	Low			kW	0.02	0.04	0.05	0.02	0.04	0.05
FCEER						B		A	B	
FCCOP						B	C	A	B	
Dimensions	Unit	HeightxWidthxDepth		mm	265x820x820		300x820x820	265x820x820	268x820x820	300x820x820
Decoration panel	Dimensions	HeightxWidthxDepth		mm	85x990x990					
Weight	Unit			kg	26.0	28.0	32.0	26.0	28.0	32.0
Decoration panel	Weight			kg	4.0					
Casing	Colour				Without powder paint					
Fan	Type				Turbo fan					
	Quantity				1					
	Air flow rate	High		m^3/h	1,053	1,512	1,801	1,053	1,512	1,801
		Medium		m^3/h	799	1,223	1,478	799	1,223	1,478
		Low		m^3/h	595	951	1,155	595	951	1,155
Total sound power level	High			dBA	46.0	57.0	59.0	46.0	57.0	59.0
	Medium			dBA	40.0	52.0	55.0	40.0	52 .0	55.0
	Low			dBA	34.0	49.0		34.0	49.0	
Sound pressure level	High			dBA	37.0	47.0	51.0	37.0	47.0	51.0
	Medium			dBA	31.0	42.0	46.0	31.0	42.0	46.0
	Low			dBA	23.0	37.0	41.0	23.0	37.0	41.0
Piping connections	Drain	OD		mm	19					
Power supply	Phase/Frequency/Voltage			Hz/V	1N~/50/220-240					
Control systems	Infrared remote control				Infrared remote control as standard with decoration panel kit					
	Wired remote control				BRC51A61					

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

4-way blow ceiling mounted cassette

AC fan motor unit for ceiling mounting.
Possibility to shut 1 or 2 flaps

- Modern style decoration panel in white (RAL9010)
- Compact casing (570mm in width and depth) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles
- Comfortable horizontal auto swing ensures draughtfree operation and prevents ceiling soiling
- Optional fresh air intake
- Possibility to shut 1 or 2 flaps for easy installation in corners
- Standard drain pump with 750mm lift increases flexibility and installation speed



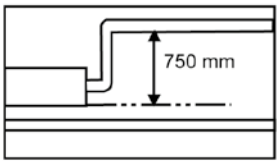
FWF-BT/BF



BRC7E530/531



BRC315D7



Indoor unit			FWF-BT/BF	02	03	04	05	02	03	04	05
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	1.7	3.0	4.0	4.9	1.8	2.9	3.8	4.6
		Medium	kW	1.5	2.7	3.1	4.0	1.5	2.4	3.1	3.8
		Low	kW	1.3	2.4		2.8	1.3	1.6		2.6
	Sensible capacity	High	kW	1.4	2.0	2.7	3.5	1.5	1.8	2.5	3.2
		Medium	kW	1.2	1.7	2.0	2.7	1.2	1.5	1.9	2.5
		Low	kW	1.0	1.4		1.8		1.0		1.6
Heating capacity (standard conditions)		High	kW	2.4	3.3	4.5	5.6	3.3	3.6	4.7	5.7
		Medium	kW	2.1	2.9	3.5	4.4	2.9	3.1	3.7	4.7
		Low	kW	1.9	2.7		3.0	2.4	2.6		3.2
Power input		High	kW	0.074		0.090	0.118	0.074		0.094	0.121
		Medium	kW	0.067		0.070	0.089	0.067	0.062	0.074	0.093
		Low	kW	0.060		0.055	0.062	0.060	0.055		0.066
FCEER				22	40	44	45	22	33	34	40
FCCOP				32	45	49		41	48		49
Dimensions	Unit	HeightxWidthxDepth	mm	285 x575x575							
Weight	Unit		kg	19				20			
Fan	Type			Turbo fan							
	Quantity			1							
	Air flow rate	High	m^3/h	456	468	660	876	468	438	618	822
		Medium	m^3/h	384	390	486	648	390	366	456	612
		Low	m^3/h	300	318		420	318	300		390
Total sound power level	High		dBA	44.0		50.0	55.0	44.0	46.0	52.0	57.0
	Medium		dBA	40.0		44.0	49.0	40.0	42.0	46.0	51.0
	Low		dBA	36.0	38.0		42.0	36.0	38.0	41.0	44.0
Sound pressure level	High		dBA	31.0		40.0	45.0	31.0	33.0	42.0	47.0
	Medium		dBA	27.0		33.0	39.0	27.0	29.0	35.0	41.0
	Low		dBA	26.0			30.0	26.0	27.0		32.0
Piping connections	Drain	OD	mm	VP20 (External dia.26 / Internal dia. 20)							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-440							
Control systems	Infrared remote control			BRC7E530 / BRC7E531							
	Wired remote control			BRC315D7							

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

4-way blow ceiling mounted cassette

AC fan motor unit for ceiling mounting

- 4 way air discharge and air swing
- Compact casing (570mm in width and depth) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles
- Wide operating range
- Air suction from underneath
- Easy installation and maintenance
- Built-in high pressure drain pump with 700mm lift
- Double-intake centrifugal fans
- High power air flow
- 3-speed fan motor
- Infrared remote control as standard with decoration panel kit



FWF-CT



MERCA



WRC-HPC



SRC-HPA

Indoor unit			FWF-CT	02	03	04
				2-pipe		
Cooling capacity (standard conditions)	Total capacity	High	kW	2.43	4.04	4.20
		Medium	kW	2.15	3.46	3.73
		Low	kW	1.86	2.73	3.11
	Sensible capacity	High	kW	1.85	2.87	3.09
		Medium	kW	1.62	2.37	2.70
		Low	kW	1.39	1.83	2.22
Heating capacity (standard conditions)	High		kW	3.03	3.88	4.37
	Medium		kW	2.50	3.08	3.40
	Low		kW	2.08	2.18	2.91
Power input	High		kW	0.063	0.064	0.079
	Medium		kW	0.05	0.06	0.08
	Low		kW	0.05		0.07
Dimensions	Unit	HeightxWidthxDepth	mm	250x570x570		
Decoration panel	Dimensions	HeightxWidthxDepth	mm	45x460x460		
Weight	Unit		kg	15.0	17.0	
Decoration panel	Weight		kg	3.0		
Air filter	Type			Washable Saranet		
Fan	Type			Turbo fan		
	Quantity			1		
	Air flow rate	High	m^3/h	646	680	748
		Medium	m^3/h	493	527	664
		Low	m^3/h	391	374	476
Total sound power level	High		dBA	52.0	54.0	56.0
	Medium		dBA	45.0	47.0	56.0
	Low		dBA	39.0	41.0	45.0
Sound pressure level	High		dBA	42.0	45.0	48.0
	Medium		dBA	35.0	38.0	40.0
	Low		dBA	29.0	30.0	36.0
Piping connections	Drain	OD	mm	19.05		
Power supply	Phase/Frequency/Voltage		Hz/V	1N~/50/220-240		
Control systems	Infrared remote control			Infrared remote control as standard with decoration panel kit		
	Wired remote control			MERCA/SRC-HPA		

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Floor standing unit

BLDC fan motor unit for vertical mounting. Continuous air flow regulation and fan speed modulation

› Up to 70% energy savings with brushless DC motor technology compared to traditional technology
› Instant adjustment to temperature and relative humidity changes
› Low operating sound level
› Highly flexible solutions: multiple sizes, piping topologies and connection valves
› Requires very little installation space



FWZ-AT/AF



FWEC3A



FWECSA

Indoor unit			FWZ-AT/AF	02	03	06	08	02	03	06	08
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	1.94	2.91	4.48	7.93	1.77	2.86	4.64	7.79
		Medium	kW	1.69	2.37	3.64	6.2	1.55	2.32	3.79	6.12
		Low	kW	1.35	1.75	2.99	4.1	1.25	1.72	3.10	4.06
	Sensible capacity	High	kW	1.49	2.09	3.62	5.87	1.44	2.06	3.54	5.76
		Medium	kW	1.30	1.69	2.90	4.59	1.21	1.65	2.85	4.54
		Low	kW	1.04	1.25	2.31	3.04	0.97	1.23	2.27	3.01
Heating capacity (standard conditions)	High		kW	2.15	2.94	4.88	8.37	1.76	2.68	4.64	7.35
	Medium		kW	1.81	2.37	4.11	6.53	1.56	2.31	4.07	6.29
	Low		kW	1.50	1.76	3.36	4.39	1.36	1.88	3.55	4.85
Power input	High		kW	0.019	0.016	0.033	0.087	0.019	0.016	0.033	0.087
	Medium		kW	0.01		0.02	0.038	0.01		0.02	0.038
	Low		kW	0.01			0.013	0.01			0.013
FCEER				B	A			B	A		B
FCCOP				B	A			B	A		B
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x226	564x984x226	564x1,190x226	564x1,404x251	564x774x226	564x984x226	564x1,190x226	564x1,404x251
Weight	Unit		kg	20.6	26.7	32.3	41.6	20.6	26.7	32.3	41.6
Casing	Colour			White - RAL9010							
Air filter	Type			Polypropylene net							
Fan	Type			Centrifugal							
	Quantity			1	2			1	2		
	Air flow rate	High	m^3/h	344	442	785	1,393	327	431	763	1,362
		Medium	m^3/h	271	341	605	1,022	261	332	593	1,007
		Low	m^3/h	211	241	470	642	205	237	460	636
Total sound power level	High		dBA	50.0	48.0	56.0	67.0	50.0	47.0	58.0	66.0
	Medium		dBA	44.0	42.0	49.0	60.0	44.0	41.0	53.0	58.0
	Low		dBA	40.0	36.0	43.0	49.0	38.0	33.0	48.0	
Sound pressure level	High		dBA	45.0	43.0	51.0	62.0	45.0	42.0	54.0	61.0
	Medium		dBA	39.0	37.0	44.0	55.0	39.0	36.0	48.0	53.0
	Low		dBA	35.0	31.0	38.0	44.0	33.0	28.0	43.0	
Electric heater	Power input (Optional)		kW	1.5	1.6	2.0	-	1.5	1.6	2.0	-
Piping connections	Drain	OD	mm	16							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230							
Control systems	Wired remote control			FWEC3A / FWECSA							

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Floor standing unit

AC fan motor unit for vertical mounting

› Quick fixing system for wall mounted installation
› Pre-assembled 3-way/4-port on/off valves are available
› Valve packages are insulated, no extra drain pan required
› Valve packages contain balancing valves and sensor pocket
› Fast-on connections for electrical options: no tools needed
› The air filter can easily be removed for cleaning
› Electric heater: no relay up to 2kW capacity
› Electric heater: equipped with two overheat cut-out thermostats



FWV-DAT/DAF



FWEC1,2,3A



FWECSA



ECFWMB6

Indoor unit			FWV-DAT/DAF	01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10
				2-pipe										4-pipe									
Cooling capacity (standard conditions)	Total capacity	High	kW	1.50	1.69	1.91	2.36	2.87	3.45	4.23	4.41	6.53	7.78	1.42	1.64	1.74	2.32	2.81	3.36	4.16	4.57	6.46	7.64
		Medium	kW	1.21	1.48	1.66	1.99	2.34	2.58	3.21	3.59	5.14	6.07	1.11	1.44	1.52	1.96	2.29	2.54	3.17	3.74	5.10	5.99
		Low	kW	1.02	1.24	1.34	1.57	1.73	1.94	2.47	2.95	3.88	4.00	0.97	1.22	1.24	1.55	1.70	1.92	2.44	3.06	3.84	3.96
	Sensible capacity	High	kW	1.16	1.25	1.37	1.82	2.05	2.69	3.05	3.55	4.73	5.72	1.10	1.22	1.41	1.79	2.01	2.61	2.99	3.47	4.67	5.61
		Medium	kW	0.94	1.10	1.20	1.53	1.66	1.99	2.39	2.85	3.70	4.46	0.87	1.07	1.18	1.50	1.62	1.96	2.36	2.80	3.67	4.40
		Low	kW	0.77	0.93	0.98	1.15	1.23	1.41	1.76	2.27	2.75	2.94	0.73	0.91	0.96	1.14	1.21	1.40	1.74	2.23	2.73	2.91
Heating capacity (standard conditions)	High		kW	1.82	1.84	2.15	2.70	2.94	4.05	4.24	4.98	6.49	8.37	1.66	1.76		2.53	2.68	4.20	3.82	4.64	6.97	7.35
	Medium		kW	1.48	1.72	1.81	2.26	2.37	3.13	3.24	4.08	5.17	6.53	1.49	1.56		2.18	2.31	3.47	3.22	4.07	6.02	6.29
	Low		kW	1.21	1.45	1.50	1.74	1.76	2.39	2.47	3.31	3.97	4.39	1.31	1.36		1.78	1.88	2.82	2.73	3.55	5.02	4.85
Power input	High		kW	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244
	Medium		kW	0.03	0.04				0.05	0.06	0.07	0.13	0.17	0.03	0.04				0.05	0.06	0.07	0.13	0.17
	Low		kW	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x226			564x984x226		564x1,190x226			564x1,400x251		564x774x226			564x984x226		564x1,190x226			564x1,400x251	
Weight	Unit		kg	19.7		20.6	25.5	26.7	31.0	30.4	32.3	41.4	41.6	19.7		20.6	25.5	26.7	31.0	30.4	32.3	41.4	41.6
Casing	Colour			White - RAL9010																			
Air filter	Type			Polypropylene net																			
Fan	Type			Centrifugal																			
	Quantity			1			2							1			2						
	Air flow rate	High	m^3/h	319	344		442	640	706	785	1,011	1,393		307	330	327	432	431	628	690	763	998	1,362
		Medium	m^3/h	233	271		341	450	497	605	771	1,022		225	261		334	332	444	490	593	765	1,007
		Low	m^3/h	178	211		241	320	361	470	570	642		174	205		238	237	316	356	460	565	636
Total sound power level	High		dBA	47.0	49.0	50.0	48.0	52.0	53.0	56.0	61.0	67.0		45.0	49.0	50.0	48.0	47.0	53.0	56.0	58.0	60.0	66.0
	Medium		dBA	42.0	44.0		43.0	42.0	43.0	49.0	54.0	60.0		39.0	44.0		43.0	41.0	45.0	46.0	53.0	54.0	58.0
	Low		dBA	37.0	38.0	40.0	35.0	36.0	35.0	43.0	47.0	49.0		33.0	40.0	38.0	34.0	33.0	36.0	39.0	48.0	46.0	48.0
Sound pressure level	High		dBA	42.0	44.0	45.0	43.0	47.0	48.0	51.0	56.0	62.0		40.0	44.0	45.0	43.0	42.0	46.0	51.0	54.0	55.0	61.0
	Medium		dBA	37.0	39.0		38.0	37.0	38.0	44.0	49.0	55.0		34.0	39.0		38.0	36.0	38.0	41.0	48.0	49.0	53.0
	Low		dBA	32.0	33.0	35.0	30.0	31.0	30.0	38.0	42.0	44.0		28.0	33.0		29.0	28.0	29.0	32.0	43.0	41.0	43.0
Electric heater	Power input (Optional)		kW	1.0	1.5		1.6		2.0		3.0			1.0	1.5		1.6		2.0			3.0	
Piping connections	Drain	OD	mm	16																			
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230																			
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA / ECFWMB6																			

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Flexi type unit

BLDC fan motor unit for horizontal or vertical mounting. Continuous air flow regulation and fan speed modulation

- For wall or ceiling mounted installation: ideal solution for spaces with no false ceilings
- Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- Instant adjustment to temperature and relative humidity changes
- Low operating sound level
- Highly flexible solutions: multiple sizes, piping topologies and connection valves
- Requires very little installation space



FWR-AT/AF



FWEC3A



FWECSA

Indoor unit			FWR-AT/AF	02	03	06	08	02	03	06	08
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	1.94	2.91	4.48	7.93	1.77	2.86	4.64	7.79
		Medium	kW	1.69	2.37	3.64	6.20	1.55	2.32	3.79	6.12
		Low	kW	1.35	1.75	2.99	4.10	1.25	1.72	3.10	4.06
	Sensible capacity	High	kW	1.49	2.09	3.62	5.87	1.44	2.06	3.54	5.76
		Medium	kW	1.30	1.69	2.90	4.59	1.21	1.65	2.85	4.54
		Low	kW	1.04	1.25	2.31	3.04	0.97	1.23	2.27	3.01
Heating capacity (standard conditions)	High		kW	2.15	2.94	4.88	8.37	1.76	2.68	4.64	7.35
	Medium		kW	1.81	2.37	4.11	6.53	1.56	2.31	4.07	6.29
	Low		kW	1.50	1.76	3.36	4.39	1.36	1.88	3.55	4.85
Power input	High		kW	0.019	0.016	0.033	0.087	0.019	0.016	0.033	0.087
	Medium		kW	0.01		0.02	0.038	0.01		0.02	0.038
	Low		kW	0.01			0.013	0.01			0.013
FCEER				B	A			B	A		B
FCCOP				B	A			B	A		B
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x246	564x984x246	564x1,190x246	564x1,404x271	564x774x246	564x984x246	564x1,190x246	564x1,404x271
Weight	Unit		kg	21.2	27.5	33.6	43.1	21.2	27.5	33.6	43.1
Casing	Colour			White - RAL9010							
Air filter	Type			Polypropylene net							
Fan	Type			Centrifugal							
	Quantity			1	2			1	2		
	Air flow rate	High	m^3/h	344	442	785	1,393	327	431	763	1,362
		Medium	m^3/h	271	341	605	1,022	261	332	593	1,007
		Low	m^3/h	211	241	470	642	205	237	460	636
Total sound power level	High		dBA	50.0	48.0	56.0	67.0	50.0	47.0	58.0	66.0
	Medium		dBA	44.0	42.0	49.0	60.0	44.0	41.0	53.0	58.0
	Low		dBA	40.0	36.0	43.0	49.0	38.0	33.0	48.0	
Sound pressure level	High		dBA	45.0	43.0	51.0	62.0	45.0	42.0	54.0	61.0
	Medium		dBA	39.0	37.0	44.0	55.0	39.0	36.0	48.0	53.0
	Low		dBA	35.0	31.0	38.0	44.0	33.0	28.0	43.0	
Electric heater	Power input (Optional)		kW	1.5	1.6	2.0	-	1.5	1.6	2.0	-
Piping connections	Drain	OD	mm	16							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230							
Control systems	Wired remote control			FWEC3A / FWECSA							

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Flexi type unit

AC fan motor unit for horizontal or vertical mounting

› Quick fixing system for wall or ceiling mounted installation
› Pre-assembled 3-way/4-port on/off valves are available
› Valve packages are insulated, no extra drain pan required
› Valve packages contain balancing valves and sensor pocket
› Fast-on connections for electrical options: no tools needed
› The air filter can easily be removed for cleaning
› Electric heater: no relay up to 2kW capacity
› Electric heater: equipped with two overheat cut-out thermostats



FWL-DAT/DAF



FWEC1,2,3A



FWECSA



ECFWMB6

Indoor unit			FWL-DAT/DAF	01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10
				2-pipe										4-pipe									
Cooling capacity (standard conditions)	Total capacity	High	kW	1.50	1.69	1.91	2.36	2.87	3.45	4.23	4.41	6.53	7.78	1.42	1.64	1.74	2.32	2.81	3.36	4.16	4.57	6.46	7.64
		Medium	kW	1.21	1.48	1.66	1.99	2.34	2.58	3.21	3.59	5.14	6.07	1.11	1.44	1.52	1.96	2.29	2.54	3.17	3.74	5.10	5.99
		Low	kW	1.02	1.24	1.34	1.57	1.73	1.94	2.47	2.95	3.88	4.00	0.97	1.22	1.24	1.55	1.70	1.92	2.44	3.06	3.84	3.96
	Sensible capacity	High	kW	1.16	1.25	1.37	1.82	2.05	2.69	3.05	3.55	4.73	5.72	1.10	1.22	1.41	1.79	2.01	2.61	2.99	3.47	4.67	5.61
		Medium	kW	0.94	1.10	1.20	1.53	1.66	1.99	2.39	2.85	3.70	4.46	0.87	1.07	1.18	1.50	1.62	1.96	2.36	2.80	3.67	4.40
		Low	kW	0.77	0.93	0.98	1.15	1.23	1.41	1.76	2.27	2.75	2.94	0.73	0.91	0.96	1.14	1.21	1.40	1.74	2.23	2.73	2.91
Heating capacity (standard conditions)	High		kW	1.82	1.84	2.15	2.70	2.94	4.05	4.24	4.98	6.49	8.37	1.66	1.76		2.53	2.68	4.20	3.82	4.64	6.97	7.35
	Medium		kW	1.48	1.72	1.81	2.26	2.37	3.13	3.24	4.08	5.17	6.53	1.49	1.56		2.18	2.31	3.47	3.22	4.07	6.02	6.29
	Low		kW	1.21	1.45	1.50	1.74	1.76	2.39	2.47	3.31	3.97	4.39	1.31	1.36		1.78	1.88	2.82	2.73	3.55	5.02	4.85
Power input	High		kW	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244
	Medium		kW	0.03	0.04				0.05	0.06	0.07	0.13	0.17	0.03	0.04				0.05	0.06	0.07	0.13	0.17
	Low		kW	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x246			564x984x246		564x1,190x246			564x1,400x271		564x774x246			564x984x246		564x1,190x246			564x1,400x271	
Weight	Unit		kg	20.6		21.2	26.5	27.5	32.5	33.5	33.6	43.1		20.6		21.2	26.5	27.5	32.5	33.5	33.6	43.1	
Casing	Colour			White - RAL9010																			
Air filter	Type			Polypropylene net																			
Fan	Type			Centrifugal																			
	Quantity			1			2							1			2						
	Air flow rate	High	m^3/h	319	344		442		640	706	785	1,011	1,393	307	330	327	432	431	628	690	763	998	1,362
		Medium	m^3/h	233	271		341		450	497	605	771	1,022	225	261		334	332	444	490	593	765	1,007
		Low	m^3/h	178	211		241		320	361	470	570	642	174	205		238	237	316	356	460	565	636
Total sound power level	High		dBA	47.0	49.0	50.0	48.0		52.0	53.0	56.0	61.0	67.0	45.0	49.0	50.0	48.0	47.0	53.0	56.0	58.0	60.0	66.0
	Medium		dBA	42.0	44.0		43.0	42.0	43.0		49.0	54.0	60.0	39.0	44.0		43.0	41.0	45.0	46.0	53.0	54.0	58.0
	Low		dBA	37.0	38.0	40.0	35.0	36.0	35.0		43.0	47.0	49.0	33.0	40.0	38.0	34.0	33.0	36.0	39.0	48.0	46.0	48.0
Sound pressure level	High		dBA	42.0	44.0	45.0	43.0		47.0	48.0	51.0	56.0	62.0	40.0	44.0	45.0	43.0	42.0	46.0	51.0	54.0	55.0	61.0
	Medium		dBA	37.0	39.0		38.0	37.0	38.0		44.0	49.0	55.0	34.0	39.0		38.0	36 .0	38.0	41.0	48.0	49.0	53.0
	Low		dBA	32.0	33.0	35.0	30.0	31.0	30.0		38.0	42.0	44.0	28.0	33.0		29.0	28.0	29.0	32.0	43.0	41.0	43.0
Electric heater	Power input (Optional)		kW	1.0	1.5		1.6		2.0			3.0		1.0	1.5		1.6		2.0			3.0	
Piping connections	Drain	OD	mm	16																			
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230																			
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA / ECFWMB6																			

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Concealed flexi type unit

BLDC fan motor unit for horizontal or vertical concealed mounting. Continuous air flow regulation and fan speed modulation

- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- Instant adjustment to temperature and relative humidity changes
- Low operating sound level
- Highly flexible solutions: multiple sizes, piping topologies and connection valves
- Available static pressure up to 50Pa at maximum speed



FWS-AT/AF



FWEC3A



FWECSA

Indoor unit			FWS-AT/AF	02	03	06	08	02	03	06	08
				2-pipe				4-pipe			
Cooling capacity (standard conditions)	Total capacity	High	kW	1.94	2.91	4.48	7.93	1.77	2.86	4.64	7.79
		Medium	kW	1.69	2.37	3.64	6.2	1.55	2.32	3.79	6.12
		Low	kW	1.35	1.75	2.99	4.1	1.25	1.72	3.10	4.06
	Sensible capacity	High	kW	1.49	2.09	3.62	5.87	1.44	2.06	3.54	5.76
		Medium	kW	1.30	1.69	2.90	4.59	1.21	1.65	2.85	4.54
		Low	kW	1.04	1.25	2.31	3.04	0.97	1.23	2.27	3.01
Heating capacity (standard conditions)	High		kW	2.15	2.94	4.88	8.37	1.76	2.68	4.64	7.35
	Medium		kW	1.81	2.37	4.11	6.53	1.56	2.31	4.07	6.29
	Low		kW	1.50	1.76	3.36	4.39	1.36	1.88	3.55	4.85
Power input	High		kW	0.019	0.016	0.033	0.087	0.019	0.016	0.033	0.087
	Medium		kW	0.01		0.02	0.038	0.01		0.02	0.038
	Low		kW	0.01			0.013	0.01			0.013
FCEER				B	A			B	A		B
FCCOP				B	A			B	A		B
Dimensions	Unit	HeightxWidthxDepth	mm	535x584x224	535x794x224	535x1,000x224	535x1,214x249	535x584x224	535x794x224	535x1,000x224	535x1,214x249
Weight	Unit		kg	16.9	22.1	26.6	35.4	16.9	22.1	26.6	35.4
Air filter	Type			Polypropylene net							
Fan	Type			Centrifugal							
	Quantity			1	2			1	2		
	Air flow rate	High	m^3/h	344	442	785	1,393	327	431	763	1,362
		Medium	m^3/h	271	341	605	1,022	261	332	593	1,007
		Low	m^3/h	211	241	470	642	205	237	460	636
Total sound power level	High		dBA	50.0	48.0	56.0	67.0	50.0	47.0	58.0	66.0
	Medium		dBA	44.0	42.0	49.0	60.0	44.0	41.0	53.0	58.0
	Low		dBA	40.0	36.0	43.0	49.0	38.0	33.0	48.0	
Sound pressure level	High		dBA	45.0	43.0	51.0	62.0	45.0	42.0	54.0	61.0
	Medium		dBA	39.0	37.0	44.0	55.0	39.0	36.0	48.0	53.0
	Low		dBA	35.0	31.0	38.0	44.0	33.0	28.0	43.0	
Electric heater	Power input (Optional)		kW	1.5	1.6	2.0	-	1.5	1.6	2.0	-
Piping connections	Drain	OD	mm	16							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230							
Control systems	Wired remote control			FWEC3A / FWECSA							

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Concealed flexi type unit

AC fan motor unit for horizontal or vertical concealed mounting

› Quick fixing system for wall or ceiling mounted installation
› Pre-assembled 3-way/4-port on/off valves are available
› Valve packages are insulated, no extra drain pan required
› Valve packages contain balancing valves and sensor pocket
› Fast-on connections for electrical options: no tools needed
› The air filter can easily be removed for cleaning
› Electric heater: no relay up to 2kW capacity
› Electric heater: equipped with two overheat cut-out thermostats
› Available static pressure up to 50Pa at maximum speed



FWM-DAT/DAF



FWEC1,2,3A



FWECSA

Indoor unit			FWM-DAT/DAF	01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10
				2-pipe										4-pipe									
Cooling capacity (standard conditions)	Total capacity	High	kW	1.50	1.69	1.91	2.36	2.87	3.45	4.23	4.41	6.53	7.78	1.42	1.64	1.74	2.32	2.81	3.36	4.16	4.57	6.46	7.64
		Medium	kW	1.21	1.48	1.66	1.99	2.34	2.58	3.21	3.59	5.14	6.07	1.11	1.44	1.52	1.96	2.29	2.54	3.17	3.74	5.10	5.99
		Low	kW	1.02	1.24	1.34	1.57	1.73	1.94	2.47	2.95	3.88	4.00	0.97	1.22	1.24	1.55	1.70	1.92	2.44	3.06	3.84	3.96
	Sensible capacity	High	kW	1.16	1.25	1.37	1.82	2.05	2.69	3.05	3.55	4.73	5.72	1.10	1.22	1.41	1.79	2.01	2.61	2.99	3.47	4.67	5.61
		Medium	kW	0.94	1.10	1.20	1.53	1.66	1.99	2.39	2.85	3.70	4.46	0.87	1.07	1.18	1.50	1.62	1.96	2.36	2.80	3.67	4.40
		Low	kW	0.77	0.93	0.98	1.15	1.23	1.41	1.76	2.27	2.75	2.94	0.73	0.91	0.96	1.14	1.21	1.40	1.74	2.23	2.73	2.91
Heating capacity (standard conditions)	High		kW	1.82	1.84	2.15	2.70	2.94	4.05	4.24	4.98	6.49	8.37	1.66	1.76		2.53	2.68	4.20	3.82	4.64	6.97	7.35
	Medium		kW	1.48	1.72	1.81	2.26	2.37	3.13	3.24	4.08	5.17	6.53	1.49	1.56		2.18	2.31	3.47	3.22	4.07	6.02	6.29
	Low		kW	1.21	1.45	1.50	1.74	1.76	2.39	2.47	3.31	3.97	4.39	1.31	1.36		1.78	1.88	2.82	2.73	3.55	5.02	4.85
Power input	High		kW	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244	0.037	0.053		0.057	0.056	0.065	0.098		0.182	0.244
	Medium		kW	0.03	0.04				0.05	0.06	0.07	0.13	0.17	0.03	0.04				0.05	0.06	0.07	0.13	0.17
	Low		kW	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11	0.02	0.03	0.02	0.03		0.04		0.05	0.09	0.11
Dimensions	Unit	HeightxWidthxDepth	mm	535x584x224			535x794x224		535x1,000x224			535x1,210x249		535x584x224			535x794x224		535x1,000x224			535x1,210x249	
Weight	Unit		kg	16.5		16.9	21.4	22.1	26.3	26.4	26.6	35.4		16.5		16.9	21.4	22.1	26.3	26.4	26.6	35.4	
Air filter	Type			Polypropylene net																			
Fan	Type			Centrifugal																			
	Quantity			1			2							1			2						
	Air flow rate	High	m^3/h	319	344		442		640	706	785	1,011	1,393	307	330	327	432	431	628	690	763	998	1,362
		Medium	m^3/h	233	271		341		450	497	605	771	1,022	225	261		334	332	444	490	593	765	1,007
		Low	m^3/h	178	211		241		320	361	470	570	642	174	205		238	237	316	356	460	565	636
Total sound power level	High		dBA	47.0	49.0	50.0	48.0		52.0	53.0	56.0	61.0	67.0	45.0	49.0	50.0	48.0	47.0	53.0	56.0	58.0	60.0	66.0
	Medium		dBA	42.0	44.0		43.0	42.0	43.0		49.0	54.0	60.0	39.0	44.0		43.0	41.0	45.0	46.0	53.0	54.0	58.0
	Low		dBA	37.0	38.0	40.0	35.0	36.0	35.0		43.0	47.0	49.0	33.0	40.0	38.0	34.0	33.0	36.0	39.0	48.0	46.0	48.0
Sound pressure level	High		dBA	42.0	44.0	45.0	43.0		47.0	48.0	51.0	56.0	62.0	40.0	44.0	45.0	43.0	42.0	46.0	51.0	54.0	55.0	61.0
	Medium		dBA	37.0	39.0		38.0	37.0	38.0		44.0	49.0	55.0	34.0	39.0		38.0	36.0	38.0	41.0	48.0	49.0	53.0
	Low		dBA	32.0	33.0	35.0	30.0	31.0	30.0		38.0	42.0	44.0	28.0	33.0		29.0	28.0	29.0	32.0	43.0	41.0	43.0
Electric heater	Power input (Optional)		kW	1.0	1.5		1.6		2.0			3.0		1.0	1.5		1.6		2.0			3.0	
Piping connections	Drain	OD	mm	16																			
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230																			
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA																			

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Concealed ceiling unit with low ESP

AC fan motor unit for horizontal concealed mounting

- Easy installation and maintenance
- 4-speed fan motor
- High power air flow
- Wired electronic controllers range
- Available static pressure up to 50Pa at maximum speed
- Wide operating range
- Standard left and right side water connection
- Extended drain pan as standard
- Factory mounted valve (both left and right side)
- Nylon filter G2 class
- Polyethylene insulation



FWE-CT/CF



FWEC1,2,3A



FWECSA

Indoor unit			FWE-CT/CF	02	03	04	06	07	08	10	02	03	04	06	07	08	10
				2-pipe							4-pipe						
Cooling capacity (standard conditions)	Total capacity	Super high	kW	2.17	3.22	4.34	6.06	6.83	7.84	9.96	2.10	3.16	3.98	6.05	6.78	7.79	9.91
		High	kW	1.81	2.78	3.49	5.32	5.68	6.92	8.64	1.76	2.69	3.22	5.20	5.61	6.79	8.61
		Medium	kW	1.60	2.45	2.96	4.56	4.94	6.07	7.51	1.56	2.36	2.70	4.47	4.91	5.98	7.49
		Low	kW	0.90	1.40	1.80	2.80	3.10	3.90	4.90	0.85	1.40	1.63	2.72	3.10	3.88	4.88
	Sensible capacity	Super high	kW	1.61	2.44	3.27	4.55	4.83	6.02	7.58	1.55	2.37	3.19	4.49	5.16	5.91	7.45
		High	kW	1.33	2.08	2.58	3.94	4.30	5.25	6.48	1.28	1.99	2.53	3.81	4.20	5.09	6.39
		Medium	kW	1.16	1.82	2.16	3.34	3.71	4.56	5.57	1.13	1.73	2.10	3.23	3.64	4.44	5.49
		Low	kW	0.70	1.20	1.40	2.10	2.50	3.10	3.70	0.66	1.18	1.35	2.02	2.47	3.05	3.65
Heating capacity (standard conditions)		Super high	kW	2.38	3.66	4.77	6.48	7.96	9.00	11.08	2.02	3.11	4.01	5.43	6.69	7.50	9.15
		High	kW	1.96	3.13	3.76	5.61	6.53	7.84	9.43	1.71	2.69	3.31	4.73	5.65	6.62	8.06
		Medium	kW	1.72	2.74	2.81	4.73	5.62	6.78	8.08	1.54	2.41	2.83	4.13	5.03	5.91	7.10
		Low	kW	1.02	1.70	1.93	2.85	3.75	4.49	5.30	0.90	1.51	1.79	2.53	3.45	4.04	4.77
Power input	Super high		kW	0.046	0.069	0.083	0.119	0.163	0.181	0.230	0.046	0.069	0.083	0.119	0.163	0.181	0.230
	High		kW	0.039	0.054	0.059	0.093	0.128	0.145	0.180	0.039	0.054	0.059	0.093	0.128	0.145	0.180
	Medium		kW	0.03	0.05		0.07	0.11	0.12	0.15	0.03	0.05		0.07	0.11	0.12	0.15
	Low		kW	0.03	0.04		0.06	0.09	0.10	0.12	0.03	0.04		0.06	0.09	0.10	0.12
Dimensions	Unit	HeightxWidthxDepth	mm	253x590 x705	253x590 x875	253x590 x1,010	253x590 x1,210	253x590 x1,460	253x590 x1,560	253x590 x1,820	253x590 x705	253x590 x875	253x590 x1,010	253x590 x1,210	253x590 x1,460	253x590 x1,560	253x590 x1,820
Weight	Unit		kg	17.0	20.2	23.7	28.4	36.7	39.1	45.5	18.1	21.6	25.3	30.1	39.7	41.4	48.9
Casing	Colour			Metal													
Air filter	Type			Aluminium Frame PP Filter Net G2 Class													
Fan	Type			Centrifugal (Blade: Forward - curve)													
	Quantity			1		2		3		4	1		2		3		4
	Air flow rate	Super high	m^3/h	430	638	910	1,195	1,559	1,753	2,177	416	626	835	1,193	1,548	1,742	2,166
		High	m^3/h	311	518	619	926	1,188	1,413	1,735	302	501	571	905	1,173	1,386	1,729
		Medium	m^3/h	238	385	413	630	851	1,016	1,202	232	371	377	618	846	1,001	1,199
		Low	m^3/h	150	256	284	426	569	688	808	142	256	257	414	569	684	804
Total sound power level	Super high		dBA	51.0	61.0	58.0	62.0		64.0	65.0	51.0	61.0	58.0	62.0		64.0	65.0
	High		dBA	49.0	56.0	50.0	55.0	57.0	58.0	60.0	49.0	56.0	50.0	55.0	57	58.0	60.0
	Medium		dBA	37.0	49.0	40.0	48.0	47.0	50.0		37.0	49.0	40.0	48.0	47	50.0	
	Low		dBA	31.0	38.0	32.0	39.0	38.0	41.0	40.0	31.0	38.0	32.0	39.0	38.0	41.0	40.0
Sound pressure level	Super high		dBA	41.0	51.0	48.0	52.0		54.0	55.0	41.0	51.0	48.0	52.0		54.0	55.0
	High		dBA	39.0	46.0	38.0	45.0	47.0	48.0	49.0	39.0	46.0	38.0	45.0	47.0	48.0	49.0
	Medium		dBA	26.0	39.0	28.0	36.0	37.0	40.0	39.0	26.0	39.0	28.0	36.0	37.0	40.0	39.0
	Low		dBA	21.0	28.0	22.0	29.0	27.0	31.0	29.0	21.0	28.0	22.0	29.0	27.0	31.0	29.0
Piping connections	Drain	OD	mm	R 3/4"													
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240													
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA													

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Concealed ceiling unit with medium ESP

BLDC fan motor unit for horizontal concealed mounting. Continuous air flow regulation and fan speed modulation

- Blends unobtrusively with any interior décor: only the suction and discharge grills are visible
- Up to 50% energy savings with brushless DC motor technology compared to traditional technology
- Instant adjustment to temperature and relative humidity changes
- Low operating sound level
- Highly flexible solutions: multiple sizes, piping topologies and connection valves
- 7-speed electrical motors (with thermal protection on windings).
- All 7 speeds pre-wired in the factory in the terminal block of the switch box
- Available static pressure up to 80Pa at maximum speed



FWP-AT



FWEC3A



FWECSA

Indoor unit			FWP-AT	02	03	04	05	06	07
				2-pipe					
Cooling capacity (1) (standard conditions)	Total capacity	High	kW	2.38	2.88	3.19	4.58	4.85	5.80
		Low	kW	1.35	1.51	1.69	2.23	2.58	2.86
	Sensible capacity	High	kW	1.71	1.96	2.13	3.23	3.44	3.93
		Low	kW	0.95	1.03	1.11	1.62	1.79	1.92
Heating capacity (1) (standard conditions)		High	kW	2.54	2.80	3.00	4.71	5.15	5.56
		Low	kW	1.40	1.48	1.53	2.46	2.59	2.74
Power input (1)	High		kW	0.046			0.076		
	Low		kW	0.01			0.02		
FCEER				A					
FCCOP				A					
Dimensions	Unit	HeightxWidthxDepth	mm	551x1,040x239			551x1,390x239		
Weight	Unit		kg	26.0	27.0	29.0	35.0	37.0	39.0
Air filter	Type			Acrylic fiber - Filtering class G2 (G3 on request)					
Fan	Type			Centrifugal					
	Quantity			1			2		
	Air flow rate (1)	High	m^3/h	371			722		
		Low	m^3/h	184			283	331	
Total sound power level	High		dBA	58.0			60.0		
	Low		dBA	36.0		38.0	39.0		
Sound pressure level	High		dBA	53.0			55.0		
	Low		dBA	31.0		33.0	34.0		
Electric heater	Power input (Optional)		kW	2.0			2.5		
Piping connections	Drain	OD	mm	17					
Power supply	Phase/Frequency		Hz	1~/50					
Control systems	Wired remote control			FWEC3A / FWECSA					

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue
(1) Only the values for minimum and maximum speeds are indicated

Concealed ceiling unit with medium ESP

AC fan motor unit for horizontal concealed mounting

- Compact dimensions, can easily be mounted in a narrow ceiling void (unit height: 240mm)
- 3, 4 or 6 stage row cooling coil
- Drain pan to collect the condensate from: heat exchanger and regulating valves
- 7-speed electrical motors (with thermal protection on windings)
- All 7 speeds pre-wired in the factory in the terminal block of the switch box
- The air filter can easily be removed for cleaning
- Available static pressure up to 80Pa at maximum speed



FWB-BT



FWEC1,2,3A



FWECSA

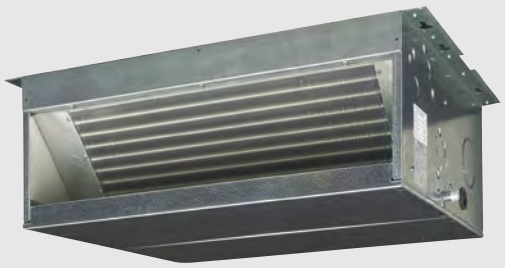
Indoor unit				FWB-BT	02	03	04	05	06	07	08	09	10
					2-pipe								
Cooling capacity (1) (standard conditions)	Total capacity	High	kW		2.32	2.82	3.13	4.47	4.74	5.69	5.70	6.48	7.65
		Low	kW		1.33	1.49	1.67	2.17	2.52	2.80	3.83	4.26	4.94
	Sensible capacity	High	kW		1.65	1.90	2.07	3.12	3.33	3.82	3.90	4.39	5.02
		Low	kW		0.93	1.01	1.09	1.56	1.73	1.86	2.67	2.92	3.25
Heating capacity (1) (standard conditions)		High	kW		2.54	2.80	3.00	4.70	5.15	5.56	5.95	6.57	7.18
		Low	kW		1.39	1.48	1.53	2.14	2.81	2.71	4.11	4.42	4.69
Power input (1)	High		kW		0.106			0.192			0.294		
	Low		kW		0.03			0.08			0.16		
Dimensions	Unit	HeightxWidthxDepth	mm		551x1,040x239			551x1,390x239			551x1,740x239		
Weight	Unit		kg		26.0	27.0	29.0	35.0	37.0	39.0	47.0	49.0	53.0
Air filter	Type				Acrylic fiber - Filtering class G2 (G3 on request)								
Fan	Type				Centrifugal								
	Quantity				1			2			3		
	Air flow rate (1)	High	m^3/h		371			722			905		
		Low	m^3/h		184			283	331		572		
Total sound power level	High		dBA		58.0			60.0			69.0		
	Low		dBA		36.0		38.0	39.0			53.0		
Sound pressure level	High		dBA		53.0			55.0			64.0		
	Low		dBA		31.0		33.0	34.0			48.0		
Electric heater	Power input (Optional)		kW		2.0			2.5			3.0		
Piping connections	Drain	OD	mm		17								
Power supply	Phase/Frequency		Hz		1~/50								
Control systems	Wired remote control				FWEC1A / FWEC2A / FWEC3A / FWECSA								

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue
(1) Only the values for minimum and maximum speeds are indicated

Concealed ceiling unit with high ESP

BLDC fan motor unit for horizontal or vertical mounting. Continuous air flow regulation and fan speed modulation

- Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- Instant adjustment to temperature and relative humidity changes
- Low operating sound level
- Highly flexible solutions: multiple sizes, piping topologies and connection valves
- The air filter can easily be removed for cleaning
- Straight duct connector mounted to discharge side
- Available static pressure up to 120Pa at maximum speed



FWN-AT/AF



FWEC3A



FWECSA

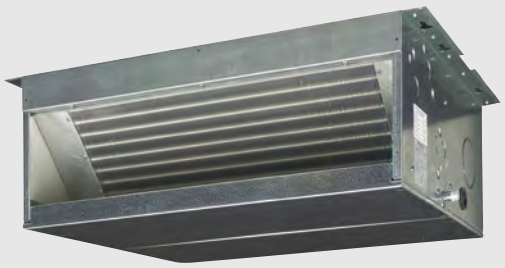
Indoor unit			FWN-AT/AF	04	05	06	07	08	10	04	05	06	07	08	10
				2-pipe						4-pipe					
Cooling capacity (standard conditions)	Total capacity	High	kW	3.80	4.65	6.01	6.65	7.57	8.49	3.76	4.61	5.91	6.55	7.46	8.35
		Medium	kW	3.47	4.20	5.65	6.25	6.84	7.62	3.44	4.17	5.58	6.17	6.75	7.52
		Low	kW	2.83	3.38	5.22	5.78	6.20	6.84	2.82	3.36	5.17	5.71	6.14	6.77
	Sensible capacity	High	kW	2.98	3.56	4.47	5.04	6.29	6.83	2.95	3.53	4.39	4.97	6.19	6.71
		Medium	kW	2.70	3.19	4.20	4.73	5.60	6.07	2.68	3.17	4.15	4.66	5.52	5.98
		Low	kW	2.19	2.54	3.90	4.35	5.01	5.40	2.18	2.52	3.84	4.30	4.96	5.34
Heating capacity (standard conditions)		High	kW	4.05	4.83	6.42	7.26	7.88	8.93	3.91	3.89	5.72	5.65	7.99	7.94
		Medium	kW	3.69	4.36	6.03	6.80	7.11	8.04	3.68	3.66	5.51	5.45	7.47	7.44
		Low	kW	3.04	3.55	5.59	6.29	6.47	7.28	3.23		5.25	5.21	7.02	6.99
Power input	High		kW	0.112		0.152		0.248		0.112		0.152		0.248	
	Medium		kW	0.07		0.13		0.17		0.73		0.13		0.17	
	Low		kW	0.04		0.10		0.12		0.45	0.40	0.10		0.12	
FCEER				C	B	C					B	C			
FCCOP				B	A	B		C		B		C			
Dimensions	Unit	HeightxWidthxDepth	mm	559x754x280		559x964x280		559x1,170x280		559x754x280		559x964x280		559x1,170x280	
Weight	Unit		kg	32.5	33.3	40.6	41.7	47.3	48.7	34.7	35.5	43.2	44.4	50.3	51.7
Air filter	Type			Acrylic - Filtering class EU2											
Fan	Type			Centrifugal											
	Quantity			1		2				1		2			
	Air flow rate	High	m^3/h	802	791	1,238	1,203	1,606	1,581	793	783	1,211	1,182	1,576	1,550
		Medium	m^3/h	700	692	1,134	1,107	1,384	1,371	694	686	1,115	1,088	1,362	1,349
		Low	m^3/h	534	532	1,019	1,000	1,207	1,198	531	529	1,005	985	1,192	1,184
Total sound power level	High		dBA	66.0		69.0		72.0		66.0		69.0		72.0	
	Medium		dBA	61.0		63.0		67.0		61.0		63.0		67.0	
	Low		dBA	54.0		59.0	61.0	62.0		54.0		59.0	61.0	62.0	
Sound pressure level	High		dBA	61.0		64.0		67.0		61.0		64.0		67.0	
	Medium		dBA	56.0		58.0		62.0		56.0		58.0		62.0	
	Low		dBA	49.0		54.0	56.0	57.0		49.0		54.0	56.0	57.0	
Electric heater	Power input (Optional)		kW	2.0		6.0		9.0		2.0		6.0		9.0	
Piping connections	Drain	OD	mm	17											
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230											
Control systems	Wired remote control			FWEC3A / FWECSA											

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Concealed ceiling unit with high ESP

AC fan motor unit for horizontal concealed mounting

› Quick fixing system for wall or ceiling mounted installation
› Straight duct connector mounted to discharge side
› The air filter can easily be removed for cleaning
› Available static pressure up to 180Pa at maximum speed



FWD-AT/AF



FWEC1,2,3A



FWECSA

Indoor unit			FWD-AT/AF	04	06	08	10	12	16	18	04	06	08	10	12	16	18
				2-pipe							4-pipe						
Cooling capacity (standard conditions)	Total capacity	High	kW	3.65	5.71	7.33	8.25	11.86	15.92	17.74	3.62	5.60	7.20	8.10	11.66	15.84	17.66
		Medium	kW	3.36	5.39	6.63	7.41	10.12	13.83	15.36	3.33	5.32	6.54	7.31	10.00	13.77	15.29
		Low	kW	2.74	4.99	6.03	6.68	8.42	11.63	12.92	2.73	4.92	5.97	6.61	8.33	11.59	12.87
	Sensible capacity	High	kW	2.83	4.16	6.04	6.58	9.22	12.21	13.49	2.80	4.08	5.94	6.46	9.06	12.14	13.41
		Medium	kW	2.59	3.94	5.39	5.86	7.75	10.43	11.40	2.57	3.89	5.31	5.77	7.66	10.38	11.34
		Low	kW	2.10	3.66	4.84	5.23	6.35	8.61	9.37	2.09	3.60	4.79	5.17	6.29	8.58	9.34
Heating capacity (standard conditions)		High	kW	4.05	6.42	7.88	8.93	12.72	17.29	19.05	3.91	5.72	7.99	7.94	14.43	19.30	19.20
		Medium	kW	3.69	6.03	7.11	8.04	10.84	15.05	16.40	3.68	5.51	7.47	7.44	12.63	17.17	17.03
		Low	kW	3.04	5.59	6.47	7.28	9.06	12.68	13.73	3.23	5.25	7.02	6.99	10.86	14.88	14.79
Power input	High		kW	0.265	0.460	0.505		0.750	1.300		0.265	0.460	0.505		0.750	1.300	
	Medium		kW	0.19	0.39	0.38		0.54	1.09		0.19	0.39	0.38		0.54	1.09	
	Low		kW	0.14	0.35	0.29		0.37	0.87		0.14	0.35	0.29		0.37	0.87	
Dimensions	Unit	HeightxWidthxDepth	mm	559x754x 280	559x964x 280	559x1,170x280		718x1,170x 353	718x1,380x353		559x754x 280	559x964x 280	559x1,170x280		718x1,170x 353	718x1,380x353	
Weight	Unit		kg	32.5	40.6	47.3	48.7	65.3	77.0	79.5	34.7	43.2	50.3	51.7	70.9	83.4	85.9
Air filter	Type			Acrylic fiber - Filtering class G2 (G4 on request)													
Fan	Type			Centrifugal													
	Quantity			1	2						1	2					
	Air flow rate	High	m^3/h	802	1,241	1,609	1,584	2,380	3,206	3,175	794	1,212	1,573	1,550	2,328	3,186	3,155
		Medium	m^3/h	700	1,134	1,384	1,371	1,898	2,641	2,604	694	1,115	1,362	1,349	1,871	2,626	2,590
		Low	m^3/h	534	1,021	1,208	1,200	1,485	2,092	2,073	532	1,004	1,194	1,186	1,466	2,084	2,065
Total sound power level	High		dBA	66.0	69.0	72.0		74.0	78.0		66.0	69.0	72.0		74.0	78.0	
	Medium		dBA	61.0	63.0	67.0			73.0		61.0	64.0	67.0			73.0	
	Low		dBA	54.0	59.0	62.0		60.0	69.0		54.0	61.0	62.0		60.0	69.0	
Sound pressure level	High		dBA	61.0	64.0	67.0		69.0	73.0		61.0	64.0	67.0		69.0	73.0	
	Medium		dBA	56.0	58.0	62.0			68.0		56.0	59.0	62.0			68.0	
	Low		dBA	49.0	54.0	57.0		55.0	64.0		49.0	56.0	57.0		55.0	64.0	
Electric heater	Power input (Optional)		kW	2.0	6.0	9.0			12.0		2.0	6.0	9.0			12.0	
Piping connections	Drain	OD	mm	17													
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230													
Control systems	Wired remote control			FWEC1A / FWEC2A / FWEC3A / FWECSA													

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Wall mounted unit

AC fan motor unit for wall mounting

› High aesthetic cabinet design
› Optimum air distribution
› Easy to install
› Wireless remote control up to 9 m distance
› 3-speed fan motor
› Wide operating range
› Low operating sound level thanks to tangential fan
› Insulated with self-extinguishing class 1 heat insulation
› Removable washable air filter (self-extinguishing class 1)



FWT-CT



MERCA



SRC-HPA



WRC-HPC

Indoor unit			FWT-CT	02	03	04	05	06
						2-pipe		
Cooling capacity (standard conditions)	Total capacity	High	kW	2.40	2.67	3.27	4.49	5.21
		Medium	kW	2.20	2.23	2.79	4.02	4.32
		Low	kW	1.94	2.02	2.52	3.76	4.04
	Sensible capacity	High	kW	1.82	1.99	2.60	3.38	4.03
		Medium	kW	1.73	1.69	2.21	3.00	3.52
		Low	kW	1.50	1.49	1.91	2.77	3.22
Heating capacity (standard conditions)		High	kW	2.71	2.96	3.71	5.07	6.23
		Medium	kW	2.41	2.62	3.29	4.51	5.38
		Low	kW	2.06	2.25	2.75	4.03	4.83
Power input	High		kW	0.031	0.032	0.042	0.053	0.072
	Medium		kW	0.03		0.04	0.05	0.07
	Low		kW	0.03			0.04	0.06
FCEER				D			C	D
FCCOP				C				
Dimensions	Unit	HeightxWidthxDepth	mm	288x800x206			310x1,070x224	
Weight	Unit		kg	9.00			14.0	
Casing	Colour			White				
Air filter	Type			Washable Saranet				
Fan	Type			Cross flow fan				
	Quantity			1				
	Air flow rate	High	m^3/h	442	476	629	866	1,053
		Medium	m^3/h	391	425	544	765	883
		Low	m^3/h	340	374	442	663	782
Total sound power level	High		dBA	45.0	48.0	55.0		59.0
	Medium		dBA	41.0	44.0	50.0	51.0	54.0
	Low		dBA	36.0	39.0	45.0	47.0	51.0
Sound pressure level	High		dBA	34.0	35.0	42.0		46.0
	Medium		dBA	29.0	30.0	39.0	38.0	42.0
	Low		dBA	25.0		32.0	34.0	39.0
Piping connections	Drain	OD	mm	19				
Power supply	Phase/Frequency/Voltage		Hz/V	1N~/50/220-240				
Control systems	Infrared remote control			WRC-HPC				
	Wired remote control			MERCA / SRC-HPA				

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

Options & accessories - Fan coil units: Panels and Controls

	INDOOR UNITS	FWG-AT/AF	FWC-BT/BF	FWF-BT/BF	FWF-CT	FWZ-AT/AF	FWV-DAT/DAF	FWR-AT/AF
Panels	Decoration panel 600x600 (2-pipe)			BYFQ60B3	DCP600TC [1]			
	Decoration panel 900x900 (2-pipe)	DCP900BTA [1]	BYCQ140C					
	Decoration panel 900x900 (4-pipe)	DCP900BFA [1]	BYCQ140C					
	Panel spacer for reducing required installation height		KDBQ44B60					
	Sealing member of air discharge outlet		KDBHQ55C140	KDBH44BA60				
	Rear panel					ERPV02A6 (2 class) ERPV03A6 (3 class) ERPV06A6 (6 class) ERPV10A6 (8 class)	ERPV02A6 (1, 15 & 2 class) ERPV03A6 (25 & 3 class) ERPV06A6 (35, 4 & 6 class) ERPV10A6 (8 & 10 class)	ERPV02A6 (2 class) ERPV03A6 (3 class) ERPV06A6 (6 class) ERPV10A6 (8 class)
	Air intake & discharge grille					EAIDF02A6 (2 class) EAIDF03A6 (3 class) EAIDF06A6 (6 class) EAIDF10A6 (10 class)	EAIDF02A6 (1, 15 & 2 class) EAIDF03A6 (25 & 3 class) EAIDF06A6 (35, 4 & 6 class) EAIDF10A6 (8 & 10 class)	EAIDF02A6 (2 class) EAIDF03A6 (3 class) EAIDF06A6 (6 class) EAIDF10A6 (10 class)
Individual control systems & network	Wired remote controller (standard)	BRC51A61	BRC315D	BRC315D	MERCA		FWEC1A	
	Wired remote controller (advanced)						FWEC2A	
	Wired remote controller (advanced Plus)					FWEC3A	FWEC3A	FWEC3A
	Wired remote controller (heat pump)				SRC-HPA			
	Wireless controller (heat pump)		BRC7F530	BRC7F532F				
	Controller electromechanical						ECFWMB6	
	Split controller - power control board					FWECSAP	FWECSAP	FWECSAP
	Split controller - control panel					FWECSAC	FWECSAC	FWECSAC
	On-board mounting kit					FWECKA	FWECKA	FWECKA
	Wall-mounting kit					FWFCKA	FWFCKA	FWFCKA
Centralised control systems	Central remote control		DCS302CA51	DCS302CA51				
	Unified ON/OFF control		DCS301BA51	DCS301BA51				
	Schedule timer		DST301BA51	DST301BA51				
Building Management System & Standard protocol interface	Intelligent Touch Manager		DCM601A5A	DCM601A5A				
	Intelligent Touch Controller		DCS601C51C	DCS601C51C				

1. Decoration panel code includes wireless controller

FWL-DAT/DAF	FWS-AT/AF	FWM-DAT/DAF	FWE-CT/CF	FWP-AT	FWB-BT	FWD-AT/AF	FWN-AT/AF	FWT-CT
ERPV02A6 (1,15 & 2 class) ERPV03A6 (25 & 3 class) ERPV06A6 (35, 4 & 6 class) ERPV10A6 (8 & 10 class)	ERPV02A6 (2 class) ERPV03A6 (3 class) ERPV06A6 (6 class) ERPV10A6 (8 class)	ERPV02A6 (1,15 & 2 class) ERPV03A6 (25 & 3 class) ERPV06A6 (35,4 & 6 class) ERPV10A6 (8&10 class)						
EAIDF02A6 (1, 15 & 2 class) EAIDF03A6 (25 & 3 class) EAIDF06A6 (35, 4 & 6 class) EAIDF10A6 (8 & 10 class)	EAIDF02A6 (2 class) EAIDF03A6 (3 class) EAIDF06A6 (6 class) EAIDF10A6 (10 class)	EAIDF02A6 (1, 15 & 2 class) EAIDF03A6 (25 & 3 class) EAIDF06A6 (35, 4 & 6 class) EAIDF10A6 (8 & 10 class)						
FWEC1A		FWEC1A	FWEC1A		FWEC1A	FWEC1A	FWEC1A	MERCA
FWEC2A		FWEC2A	FWEC2A		FWEC2A	FWEC2A	FWEC2A	
FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	
								SRC-HPA
								WRC-HPC
ECFWMB6		ECFWMB6						
FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	
FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	
FWECKA	FWECKA	FWECKA						
FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	

Options & accessories - Fan coil units: Filters and Valves

	INDOOR UNITS	FWG-AT/AF	FWC-BT/BF	FWF-BT/BF	FWF-CT	FWZ-AT/AF	FWV-DAT/DAF	FWR-AT/AF
Filters	Long-life filter		KAFP551K160	KAFQ441BA60				
ON/OFF valves 230V	3-ways 230V ON/OFF valve kit (2-pipe)	VKFWGA012T3V (5 & 8 class) VKFWGA022T3V (11 class)	EKMV3C09B	EKMV3C09B	MCKCW2T3VN	E2MV03A6 (2, 3 & 6 class) E2MV10A6 (8 class)	E2MV03A6 (1 up to 35 class) E2MV06A6 (4 & 6 class) E2MV10A6 (8 & 10 class)	E2MV03A6 (2, 3 & 6 class) E2MV10A6 (8 class)
	3-ways 230V ON/OFF valve kit (4-pipe)	VKFWGA014T3V (5 & 8 class) VKFWGA024T3V (11 class)	EKMV3C09B x2	EKMV3C09B x2		E4MV03A6 (2, 3 & 6 class) E4MV10A6 (8 class)	E4MV03A6 (1 up to 35 class) E4MV06A6 (4 & 6 class) E4MV10A6 (8 & 10 class)	E4MV03A6 (2, 3 & 6 class) E4MV10A6 (8 class)
	2-ways 230V ON/OFF valve kit (2-pipe)		EKMV2C09B	EKMV2C09B				
	2-ways 230V ON/OFF valve kit (4-pipe)		EKMV2C09B x 2	EKMV2C09B x 2				
	2-ways 230V ON/OFF valve kit (cooling heat exchanger)					E2MV2B07A6 (2 up to 6 class) E2MV2B10A6 (8 class)	E2MV2B07A6 (1 up to 6 class) E2MV2B10A6 (8 & 10 class)	E2MV2B07A6 (2 up to 6 class) E2MV2B10A6 (8 class)
	2-ways 230V ON/OFF valve kit (additional heat exchanger)					E2MV2B07A6	E2MV2B07A6	E2MV2B07A6
	3-ways 230V ON/OFF valve kit (additional heat exchanger)							
	Simplified 3-ways 230V ON/OFF valve kit (2-pipe)					E2MVD03A6 (2 & 3 class) E2MVD06A6 (6 class) E2MVD10A6 (8 class)	E2MVD03A6 (1 up to 35 class) E2MVD06A6 (4 & 6 class) E2MVD10A6 (8 & 10 class)	E2MVD03A6 (2 & 3 class) E2MVD06A6 (6 class) E2MVD10A6 (8 class)
	Simplified 3-ways 230V ON/OFF valve kit (4-pipe)					E4MVD03A6 (2 & 3 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)	E4MVD03A6 (1 up to 35 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)	E4MVD03A6 (2 & 3 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)
ON/OFF valves 24V	3-ways 24V ON/OFF valve kit (2-pipe)					E2M2V03A6 (2 & 3 class) E2M2V06A6 (6 class) E2M2V10A6 (8 class)	E2M2V03A6 (1 up to 35 class) E2M2V06A6 (4 & 6 class) E2M2V10A6 (8 & 10 class)	E2M2V03A6 (2 & 3 class) E2M2V06A6 (6 class) E2M2V10A6 (8 class)
	3-ways 24V ON/OFF valve kit (4-pipe)					E4M2V03A6 (2 & 3 class) E4M2V06A6 (6 class) E4M2V10A6 (8 class)	E4M2V03A6 (1 up to 35 class) E4M2V06A6 (4 & 6 class) E4M2V10A6 (8 & 10 class)	E4M2V03A6 (2 & 3 class) E4M2V06A6 (6 class) E4M2V10A6 (8 class)
	2-ways 24V ON/OFF valve kit (cooling heat exchanger)					E2M2V207A6 (2, 3 & 6 class) E2M2V210A6 (8 class)	E2M2V207A6 (1 up to 35 class) E2M2V210A6 (8 & 10 class)	E2M2V207A6 (2, 3 & 6 class) E2M2V210A6 (8 class)
	2-ways 24V ON/OFF valve kit (additional heat exchanger)					E2M2V207A6	E2M2V207A6	E2M2V207A6
Proportional valves	3-ways proportional valve kit (2-pipe)						E2MPV03A6 (1 up to 35 class) E2MPV06A6 (4 & 6 class) E2MPV10A6 (8 & 10 class)	
	3-ways proportional valve kit (4-pipe)						E4MPV03A6 (1 up to 35 class) E4MPV06A6 (4 & 6 class) E4MPV10A6 (8 & 10 class)	
	2-ways proportional valve kit (cooling heat exchanger)						E2MPV207A6 (1 up to 6 class) E2MPV210A6 (8 & 10 class)	
	2-ways proportional valve kit (additional heat exchanger)						E2MPV207A6	

FWL-DAT/DAF	FWS-AT/AF	FWM-DAT/DAF	FWE-CT/CF	FWP-AT	FWB-BT	FWD-AT/AF	FWN-AT/AF	FWT-CT
E2MV03A6 (1 up to 35 class) E2MV06A6 (4 & 6 class) E2MV10A6 (8 & 10 class)	E2MV03A6 (2, 3 & 6 class) E2MV10A6 (8 class)	E2MV03A6 (1 up to 35 class) E2MV06A6 (4 & 6 class) E2MV10A6 (8 & 10 class)	EK2MV3B10C5	E2MV107A6	E2MV107A6	ED2MV04A6 (4 class) ED2MV10A6 (6, 8 & 10 class) ED2MV12A6 (12 class) ED2MV18A6 (16 & 18 class)	ED2MV04A6 (4 & 5 class) ED2MV10A6 (6 up 10 class)	
E4MV03A6 (1 up to 35 class) E4MV06A6 (4 & 6 class) E4MV10A6 (8 & 10 class)	E4MV03A6 (2, 3 & 6 class) E4MV10A6 (8 class)	E4MV03A6 (1 up to 35 class) E4MV06A6 (4 & 6 class) E4MV10A6 (8 & 10 class)	EK2MV3B10C5			ED4MV04A6 (4 class) ED4MV10A6 (6, 8 & 10 class) ED4MV12A6 x 2 (12 class) ED4MV18A6 x 2 (16 & 18 class)	ED4MV04A6 (4 & 5 class) ED4MV10A6 (6 up 10 class)	
			EK2MV2B10C5					
			EK4MV2B10C5					
E2MV2B07A6 (1 up to 6 class) E2MV2B10A6 (8 & 10 class)	E2MV2B07A6 (2 up to 6 class) E2MV2B10A6 (8 class)	E2MV2B07A6 (1 up to 6 class) E2MV2B10A6 (8 & 10 class)			E2MV207A6 (2 up to 7 class) E2MV210A6 (8 & 10 class)			
E2MV2B07A6	E2MV2B07A6	E2MV2B07A6		E2MV207A6	E2MV207A0 (2 up to 7 class) E2MV210A6 (8 & 10 class)			
				E2MV307A6	E2MV307A6			
E2MVD03A6 (1 up to 35 class) E2MVD06A6 (4 & 6 class) E2MVD10A6 (8 & 10 class)	E2MVD03A6 (2 & 3 class) E2MVD06A6 (6 class) E2MVD10A6 (8 class)	E2MVD03A6 (1 up to 35 class) E2MVD06A6 (4 & 6 class) E2MVD10A6 (8 & 10 class)						
E4MVD03A6 (1 up to 35 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)	E4MVD03A6 (2 & 3 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)	E4MVD03A6 (1 up to 35 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)						
E2M2V03A6 (1 up to 35 class) E2M2V06A6 (4 & 6 class) E2M2V10A6 (8 & 10 class)	E2M2V03A6 (2 & 3 class) E2M2V06A6 (6 class) E2M2V10A6 (8 class)	E2M2V03A6 (1 up to 35 class) E2M2V06A6 (4 & 6 class) E2M2V10A6 (8 & 10 class)						
E4M2V03A6 (1 up to 35 class) E4M2V06A6 (4 & 6 class) E4M2V10A6 (8 & 10 class)	E4M2V03A6 (2 & 3 class) E4M2V06A6 (6 class) E4M2V10A6 (8 class)	E4M2V03A6 (1 up to 35 class) E4M2V06A6 (4 & 6 class) E4M2V10A6 (8 & 10 class)						
E2M2V207A6 (1 up to 35 class) E2M2V210A6 (8 & 10 class)	E2M2V207A6 (2, 3 & 6 class) E2M2V210A6 (8 class)	E2M2V207A6 (1 up to 35 class) E2M2V210A6 (8 & 10 class)						
E2M2V207A6	E2M2V207A6	E2M2V207A6						
E2MPV03A6 (1 up to 35 class) E2MPV06A6 (4 & 6 class) E2MPV10A6 (8 & 10 class)		E2MPV03A6 (1 up to 35 class) E2MPV06A6 (4 & 6 class) E2MPV10A6 (8 & 10 class)						
E4MPV03A6 (1 up to 35 class) E4MPV06A6 (4 & 6 class) E4MPV10A6 (8 & 10 class)		E4MPV03A6 (1 up to 35 class) E4MPV06A6 (4 & 6 class) E4MPV10A6 (8 & 10 class)						
E2MPV207A6 (1 up to 6 class) E2MPV210A6 (8 & 10 class)		E2MPV207A6 (1 up to 6 class) E2MPV210A6 (8 & 10 class)						
E2MPV207A6		E2MPV207A6						

Options & accessories - Fan coil units: Others

	INDOOR UNITS	FWG-AT/AF	FWC-BT/BF	FWF-BT/BF	FWF-CT	FWZ-AT/AF	FWV-DAT/DAF	FWR-AT/AF
Adapters	Installation box/Mounting plate for adapter PCBs (when there is no space in the switchbox)		KRP1H98	KRP1BA101				
	Wiring adapter for electrical appendices		KRP2A52 (2) KRP4AA53 (2)	KRP2A52 (2) KRP4AA53 (2)				
	Remote ON/OFF			EKROROA				
	Remote sensor		KRCS01-4	KRCS01-1				
	Optional PCB for MODBUS connection		EKFCMBCB	EKFCMBCB				
	Wiring adapter with 4 output signals for valve control PDB		EKRP1C11					
	Temperature sensor kit					FWTSKA	FWTSKA	FWTSKA
	Relative humidity sensor kit					FWHSKA	FWHSKA	FWHSKA
	Fan stop thermostat						YFSTA6	
	Master-slave interface						EPIMSA6	
	Power interface							
Others	Fresh air intake kit (direct installation type)			KDDQ44XA60				
	Fresh air intake					EFA02A6 (2 class) EFA03A6 (3 class) EFA06A6 (6 class) EFA10A6 (8 class)	EFA02A6 (1, 15 & 2 class) EFA03A6 (25 & 3 class) EFA06A6 (35, 4 & 6 class) EFA10A6 (8 & 10 class)	EFA02A6 (2 class) EFA03A6 (3 class) EFA06A6 (6 class) EFA10A6 (8 class)
	Electrical box with earth terminal (2 blocks)		KJB212A	KJB212A				
	Electrical box with earth terminal (3 blocks)		KJB311A	KJB311A				
	Eletrical box with earth terminal		KJB411A	KJB411A				
	Electric heater (standard)					EEH02A6 (2 class) EEH03A6 (3 class) EEH06A6 (6 class) EEH10A6 (8 class)	EEH01A6 (1 class) EEH02A6 (15 & 2 class) EEH03A6 (25 & 3 class) EEH06A6 (35, 4 & 6 class) EEH10A6 (8 & 10 class)	EEH02A6 (2 class) EEH03A6 (3 class) EEH06A6 (6 class) EEH10A6 (8 class)
	Electric heater (big)							
	Additional heat exchanger					ESRH02A6 (2 class) ESRH03A6 (3 class) ESRH06A6 (6 class) ESRH10A6 (8 class)	ESRH02A6 (1, 15 & 2 class) ESRH03A6 (25 & 3 class) ESRH06A6 (35, 4 & 6 class) ESRH10A6 (8 & 10 class)	ESRH02A6 (2 class) ESRH03A6 (3 class) ESRH06A6 (6 class) ESRH10A6 (8 class)
	Supporting feet					ESFV06A6 (2, 3 and 6 class) ESFV10A6 (8 class)	ESFV06A6 (1 up to 6 class) ESFV10A6 (8 & 10 class)	ESFV06A6 (2, 3 and 6 class) ESFV10A6 (8 class)
	Supporting feet and grille					ESFVG02A6 (2 class) ESFVG03A6 (3 class) ESFVG06A6 (6 class) ESFVG10A6 (8 class)	ESFVG02A6 (1, 15 & 2 class) ESFVG03A6 (25 & 3 class) ESFVG06A6 (35, 4 & 6 class) ESFVG10A6 (8 & 10 class)	ESFVG02A6 (2 class) ESFVG03A6 (3 class) ESFVG06A6 (6 class) ESFVG10A6 (8 class)
	Plenum box with circular connections							
	Plenum box (insulated) with circular connections (supply side)							
	Vertical auxiliary drain pan					EDPVB6	EDPVB6	EDPVB6
	Horizontal auxiliary drain pan					EDPHB6	EDPHB6	EDPHB6
	Drain pump	included	included	included	included	CDRP1A	CDRP1A	CDRP1A (only vertical installation

2. Requires KRP1H98

FWL-DAT/DAF	FWS-AT/AF	FWM-DAT/DAF	FWE-CT/CF	FWP-AT	FWB-BT	FWD-AT/AF	FWN-AT/AF	FWT-CT
FWTSKA	FWTSKA	FWTSKA	FWTSKA	FWTSKA	FWTSKA		FWTSKA	
FWHSKA	FWHSKA	FWHSKA	FWHSKA	FWHSKA	FWHSKA	FWHSKA	FWHSKA	
YFSTA6		YFSTA6			YFSTA6	YFSTA6	YFSTA6	
EPIMSA6		EPIMSA6	EPIMSA6		EPIMSA6	EPIMSA6	EPIMSA6	
						EPIB6 (only 12, 16 & 18 class)		
EFA02A6 (1, 15 & 2 class) EFA03A6 (25 & 3 class) EFA06A6 (35, 4 & 6 class) EFA10A6 (8 & 10 class)	EFA02A6 (2 class) EFA03A6 (3 class) EFA06A6 (6 class) EFA10A6 (8 class)	EFA02A6 (1, 15 & 2 class) EFA03A6 (25 & 3 class) EFA06A6 (35, 4 & 6 class) EFA10A6 (8 & 10 class)				EDMFA04A6 (4 class) EDMFA06A6 (6 class) EDMFA10A6 (8 & 10 class) EDMFA12A6 (12 class) EDMFA18A6 (16 & 18 class)	EDMFA04A6 (4 & 5 class) EDMFA06A6 (6 & 7 class) EDMFA10A6 (8 & 10 class)	
EEH01A6 (1 class) EEH02A6 (15 & 2 class) EEH03A6 (25 & 3 class) EEH06A6 (35, 4 & 6 class) EEH10A6 (8 & 10 class)	EEH02A6 (2 class) EEH03A6 (3 class) EEH06A6 (6 class) EEH10A6 (8 class)	EEH01A6 (1 class) EEH02A6 (15 & 2 class) EEH03A6 (25 & 3 class) EEH06A6 (35, 4 & 6 class) EEH10A6 (8 & 10 class)		Factory mounted	Factory mounted	EDEH04A6 (4 class) EDEHS06A6 (6 class) EDEHS10A6 (8 & 10 class) EDEHS12A6 (12 class) EDEHS18A6 (16 & 18 class)	EDEH04A6 (4 & 5 class) EDEHS06A6 (6 & 7 class) EDEHS10A6 (8 & 10 class)	
						EDEH04A6 (4 class) EDEHB06A6 (6 class) EDEHB10A6 (8 & 10 class) EDEHB12A6 (12 class) EDEHB18A6 (16 & 18 class)	EDEH04A6 (4 & 5 class) EDEHB06A6 (6 & 7 class) EDEHB10A6 (8 & 10 class)	
ESRH02A6 (1, 15 & 2 class) ESRH03A6 (25 & 3 class) ESRH06A6 (35, 4 & 6 class) ESRH10A6 (8 & 10 class)	ESRH02A6 (2 class) ESRH03A6 (3 class) ESRH06A6 (6 class) ESRH10A6 (8 class)	ESRH02A6 (1, 15 & 2 class) ESRH03A6 (25 & 3 class) ESRH06A6 (35, 4 & 6 class) ESRH10A6 (8 & 10 class)		EAH04A6 (2-4 class) EAH07A6 (5-7 class)	EAH04A6 (2-4 class) EAH07A6 (5-7 class) EAH10A6 (8-10 class)			
ESFV06A6 (1 up to 6 class) ESFV10A6 (8 & 10 class)	ESFV06A6 (2, 3 & 6 class) ESFV10A6 (8 class)	ESFV06A6 (1 up to 6 class) ESFV10A6 (8 & 10 class)						
ESFVG02A6 (1, 15 & 2 class) ESFVG03A6 (25 & 3 class) ESFVG06A6 (35, 4 & 6 class) ESFVG10A6 (8 & 10 class)	ESFVG02A6 (2 class) ESFVG03A6 (3 class) ESFVG06A6 (6 class) ESFVG10A6 (8 class)	ESFVG02A6 (1, 15 & 2 class) ESFVG03A6 (25 & 3 class) ESFVG06A6 (35, 4 & 6 class) ESFVG10A6 (8 & 10 class)						
	EPCC02A6 (2 class) EPCC03A6 (3 class) EPCC06A6 (6 class) EPCC10A6 (8 class)	EPCC02A6 (1,15 & 2 class) EPCC03A6 (25 & 3 class) EPCC06A6 (35, 4 & 6 class) EPCC10A6 (8 & 10 class)						
			EPAA02A6 EPAA05A6	EPAA02A6 EPAA05A6 EPAA08A6				
EDPVB6	EDPVB6	EDPVB6				EDDPV10A6 (4, 6, 8, 10 class) EDDPV18A6 (12, 16 & 18 class)	EDDPV10A6	
EDPHB6	EDPHB6	EDPHB6				EDDPH10A6 (4, 6, 8, 10 class) EDDPH18A6 (12, 16 & 18 class)	EDDPH10A6	
CDRP1A (only vertical installation	CDRP1A	CDRP1A		CDRP1A	CDRP1A	CDRP1A	CDRP1A	



Daikin air handling units, with their plug-and-play design and inherent flexibility, can be configured and combined specifically to meet the exact requirements of any building, no matter what it is used for or who is to work there. Our systems are designed to be the most environmentally friendly and the most energy efficient on the market, thus reducing their ecological impact, while, at the same time, keeping costs down through the minimisation of energy consumption.

When combined with the small physical footprint of the system, these features make our air handling units ideal for all markets.

Air handling units

Why choose Daikin air handling units? 566

Products overview 570

Software and Eurovent certification 571
The working principle at a glance 572
D-AHU Professional 574
D-AHU Modular R 575
D-AHU Modular P 576
NEW D-AHU Modular L 577
UNIQUE Daikin fresh air package 578

Options 579



Daikin air handling units

Why choose Daikin air handling units?

- Maximum energy efficiency and indoor air quality
- Wide range of functions and options
- **High quality** components
- **Innovative** technology: Unique features and state of the art technology for short payback
- Operation **efficiency** and energy **savings**
- Outstanding **reliability** and **performance**
- Various applications are possible including air conditioning applications, industry-type process cooling, and large-scale district heat source systems.
- Plug and play concept for easy installation and commissioning
- Unique Daikin fresh air package available for connection of AHU to VRV or ERQ

Benefits for the installer

› Simple precise commissioning through pre-programmed DDC controller
› Reduced installation time thanks to internal electrical wiring and external terminal connections avoiding drilling into unit panels
› Flush mounted electrical control panel avoiding risk of damage during transport and installation

Benefits for the consultant

› Quick selection tool - in-house developed web software with improved user interface allowing for a professional report in a few clicks
› Unlimited configuration options

Benefits for the end user

› Energy efficient controls, allowing the user to determine a wide range of settings, resulting in excellent operational flexibility
› Safe operation - fully integrated electrical panel for units taller than 80cm
› Amazing tailor made capability to meet the specific customer needs

Marketing tools

› Watch the time-lapse video of a Daikin AHU construction on www.youtube.com/daikineurope

› Download our brochure on air handling units from my.daikin.eu

› Follow the wizard and select or modify your Modular or Professional AHU in a few clicks!



Packaged control solution for Daikin AHU

› Electrical control panel complete with Direct Digital Control (DDC) controller
› Internal fitting of all sensors and pressure measurement devices
› Built-in temperature, humidity and CO_2 sensors
› Internal electrical wiring for all components

Energy efficient while focusing on maximum comfort

› Set points can be specified for supply, return or room temperature
› Precise control of all AHU components such as mixing dampers, heat recovery wheels, water valves, pressure switches for filters and fans, fan motors and inverters

Plug and play design

› Low voltage fast connectors in between AHU sections

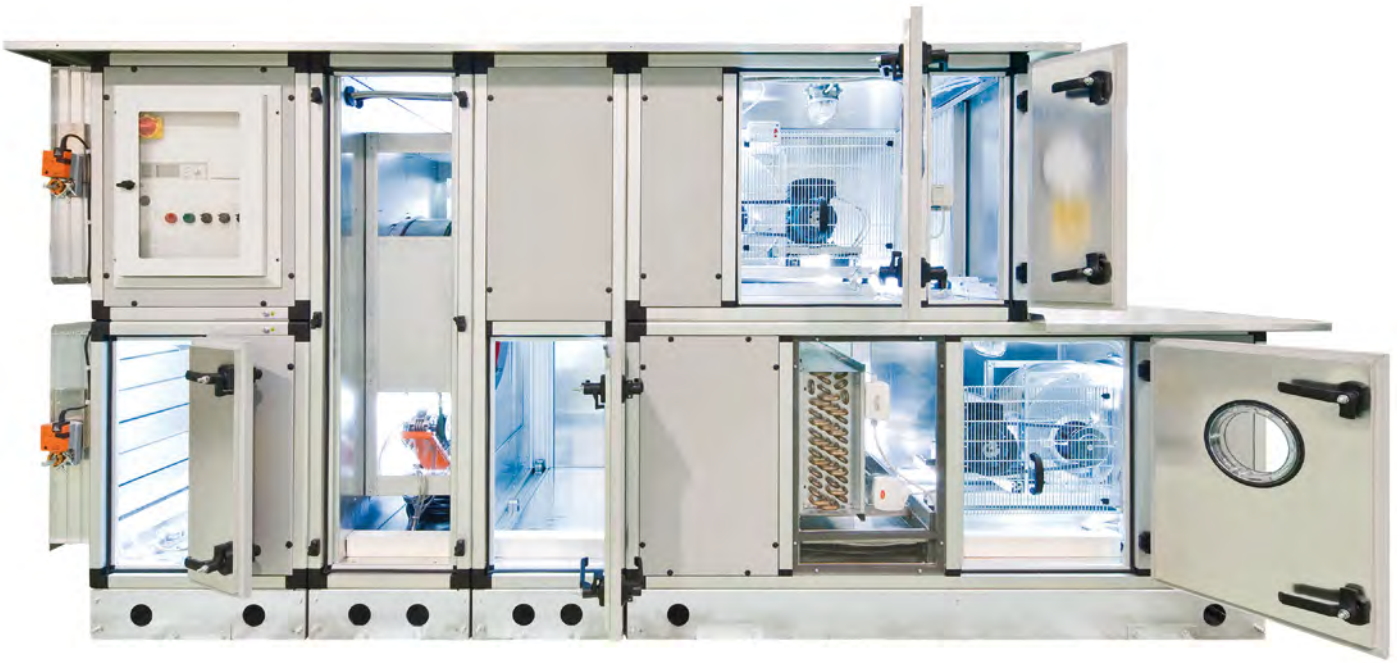
Easy start-up and commissioning

› Pre-programmed and factory-tested controls ensuring all wiring is installed correctly
› Reduced energy and operating costs

Daikin Fresh air package

Unique in the market

› Plug and play connection of Professional or Modular R AHU to Daikin VRV and ERQ
› Factory mounted package containis a.o. expansion valve, electronic interface and sensors
› Ensuring high efficiency and comfort







SMART CONTROLS



DAMPER AND EC FAN



HEAT RECOVERY
WHEEL AND FILTER



D-AHU MODULAR R INSTALLATION





COMFORTABLE INDOOR CLIMATE

Products overview



D-AHU Professional

Air flow (m³/h x 1,000)

140
120
100
90
80
70
60
50
40
20
0

750 m³/h
up to 144,000 m³/h

Professional
› Pre-configured sizes
› **Tailored to the individual customer**
› Modular construction



Modular R
› Pre-configured sizes
› Plug and play concept
› EC fan technology
› **Heat recovery wheel (sorption and sensible**
› **technology)**
› **Compact design**



D-AHU
Modular R

500 m³/h
up to 25,000 m³/h

Modular P
› Pre-configured sizes
› Plug and play concept
› EC Fan technology
› **High efficiency aluminium counter flow plate heat exchanger**
› **Compact design**



D-AHU
Modular P

500 m³/h
up to 15,000 m³/h

Modular L
› Pre-configured sizes
› Plug and play concept
› EC Fan technology
› **High efficiency aluminium counter flow plate heat exchanger**
› **Low height unit**
› **For false ceiling applications**



D-AHU
Modular L

150 m³/h
up to 3,450 m³/h

Selection software

ASTRA Web

› Quick AHU selection that will save you precious time, drastically reducing selection time through the new software interface.
› Very competitive solution available within the Wizard thanks to pre-uploaded parameters.
› High selection quality, thanks to the intelligence embedded within the software core.

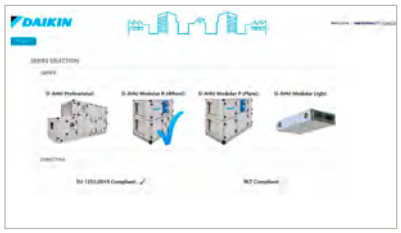
Quickly select your air handling unit by following the wizard:

1. Select the series: D-AHU Professional, D-AHU Modular R, D-AHU Modular P and Modular L
2. Insert the air flow supply and return
3. Insert the summer/winter air supply setpoint
4. Insert the summer/winter outdoor and extract temperature

You will get immediately your 3D result and it's ready to customize!

Now, you will be able to modify your unit (adding or changing components) in order to have a product that meets all your needs.

When finished a technical report, price list, fan curve chart and psychrometric chart can be generated. These final reports can be downloaded in different formats.







Eurovent certification

Daikin Applied Europe S.p.A. participates in the Eurovent Certified Performance programme for Air Handling Units.
Check ongoing validity of certificate:
www.eurovent-certification.com
or www.certiflash.com

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

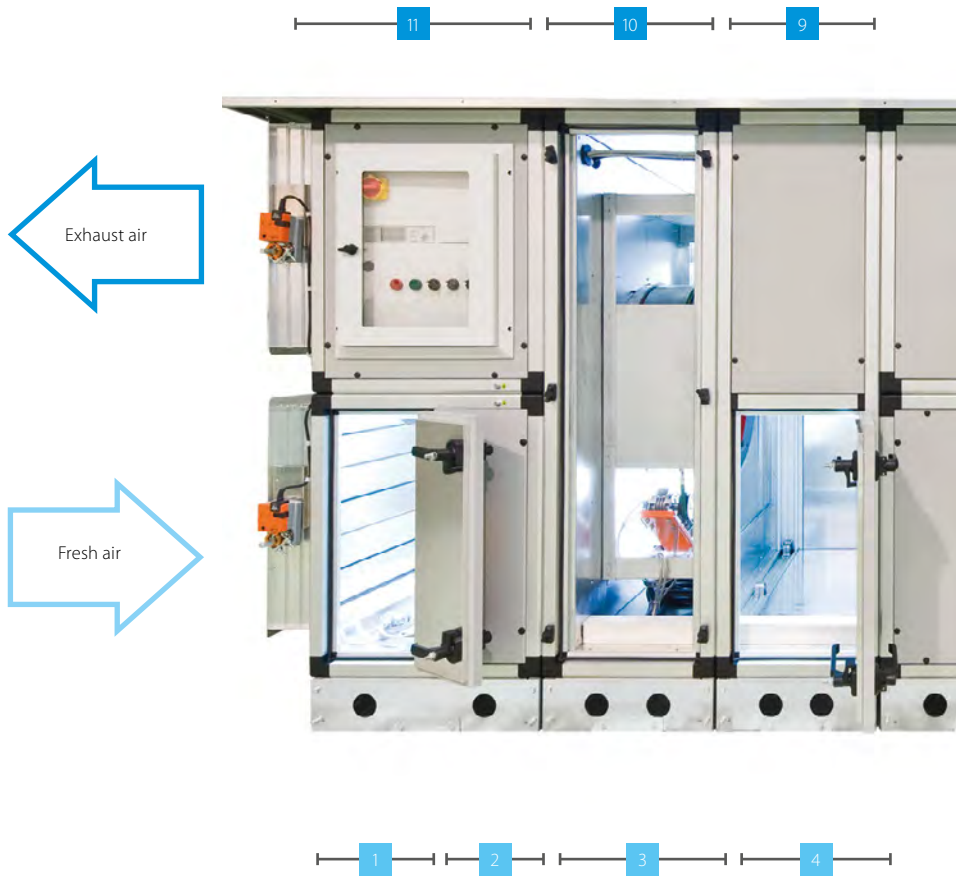
Result sp65	Eurovent Classification according to EN1886					
D1	Casing strength class	D1	D2	D3		
	Max. relative deflection mm x m^{-1}	4.00	10.00	EXCEEDING10		
L1	Casing air leakage class at -400 Pa	L1	L2	L3		
	Max. leakage rate (f_{400}) l x s^{-1} x m^{-2}	0.15	0.44	1.32		
L1	Casing air leakage class	L1	L2	L3		
	Max. leakage rate (f_{700}) l x s^{-1} x m^{-2}	0.22	0.63	1.90		
F9	Filter bypass leakage class	F9	F8	F7	F6	G1 TO F5
	Max. filter bypass leakage rate k in % of the volume flow rate	0.50	1	2	4	6
T2	Thermal transmittance	T1	T2	T3	T4	T5
	(U) W/m^2 x K	U <= 0.5	0.5 < U <= 1	1 < U <= 1.4	1.4 < U <= 2	No requirements
TB2	Thermal bridging factor	TB1	TB2	TB3	TB4	TB5
	(kb) W x m^{-2} x K-1	0.75 < K_b <= 1	0.6 < K_b <= 0.75	0.45 < K_b <= 0.6	0.3 < K_b <= 0.45	No requirements

The working principle at a glance

Typical configurations for Daikin air handling units provide a versatile range of functions.
Our system offers numerous options for customisation through an extensive range of variations and added functionality.

Supply side

1. Damper section including ventilation grilles, factory-mounted actuators
2. Bag filter with factory-mounted differential pressure manometer and hinged door
3. Heat recovery system (plate heat exchanger or rotation heat exchanger)
4. Mixing box with damper and factory-mounted actuators
5. R-410A with heat recovery system with galvanised condensate tray and drip protection
6. Supply air fan (with hinged door, opening, drive monitoring, mounted and cabled lighting and ON/OFF switch)



Fans
- EC plug fan
- Forward curved fan
- Backward curved fan
- Backward airfoil blades fan
- Plug fan

Exchangers
- Water coils
- Steam coils
- Direct expansion coil
- Superheated water coils
- Electric coils

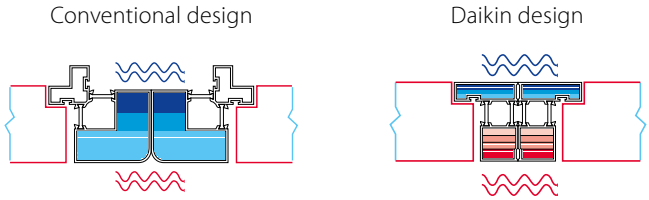
Humidifiers
- Evaporative humidifier without pump (loss water)
- Evaporative humidifier with re-circulating pump
- Air washer without pump (loss water)
- Air washer with re-circulating pump
- Steam humidifier with direct steam production
- Steam humidifier with local distributor
- Atomized water spray humidifier

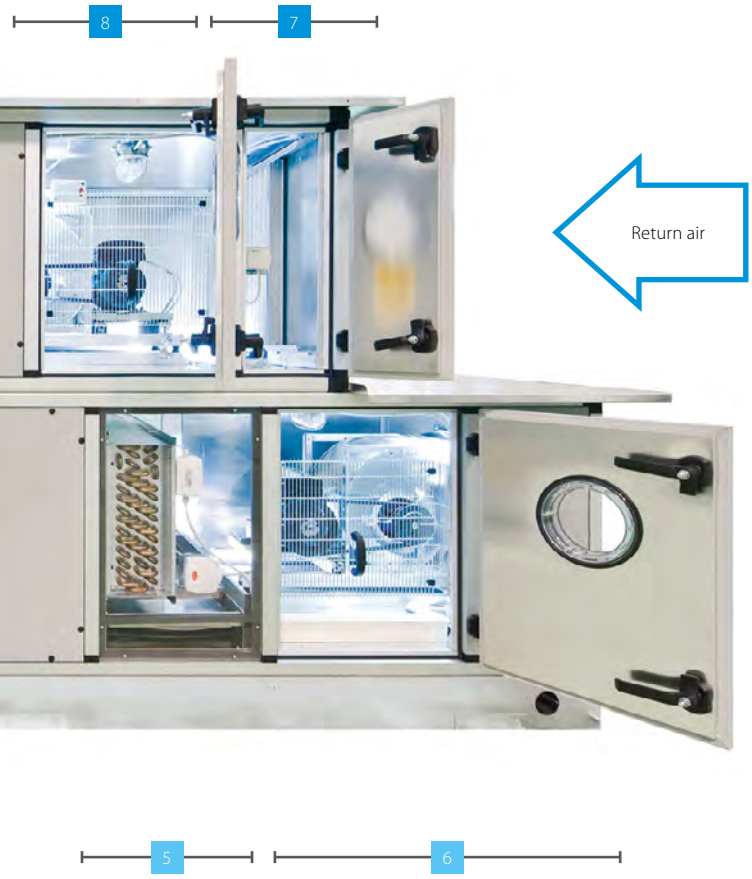
Control system on plug and play solution basis

› Air temperature control
› Chilled water and DX cooling system control
› Free cooling
› CO_2 automatic control

Unique section to section thermal break profile

› Thermal bridge free for the entire AHU
› Smooth interior surface with improved IAQ (Indoor Air Quality)





Return side

7 Bag filter with factory-mounted differential pressure manometer and hinged door.

8 Exhaust air fan (with hinged door, opening, drive monitoring, mounted and cabled lighting and ON/OFF switch)

9 Mixing box with damper and factory-mounted actuators

10 Heat recovery system (plate heat exchanger or rotation exchanger)

11 Damper section including ventilation grilles, factory-mounted actuators

Heat recovery systems
› Heat wheel, sensible or sorption
› Plate heat exchanger (optional bypass)
› Run-around coils

Other section
› Attenuator section
› Mixing box section with actuators or manual controlled dampers
› Empty section

Filters
› Synthetic pleated filter
› Flat filter aluminium mesh
› Rigid bag filter
› Soft bag filter
› High efficiency filter
› Carbon absorption filter
› Carbon deodorizing filter

Accessories
› Control features
› Frost protection
› Manometers
› Drive guard
› Roof
› …

Professional

Flexible solution for custom applications

Flexible design

Daikin Professional air handlers are tailored to your needs, optimizing always the unit for the most cost-effective selection and manufacturing standardization.

› Air flow from 500 m^3/h up to 144,000 m^3/h.
› All the units can be modularly designed to facilitate the transport and the assembly on site.



Variable dimensioning

Size	Airflow (m^3/h)	Height - mm	Width - mm
1	1,800	640	720
2	2,200	640	810
3	3,500	740	980
4	5,400	840	1,190
5	6,600	840	1,390
6	7,600	940	1,390
7	9,000	1,090	1,380
8	11,000	1,150	1,550
9	14,000	1,270	1,720
10	18,300	1,390	1,970
11	23,800	1,570	2,190

Size	Airflow (m^3/h)	Height - mm	Width - mm
12	29,800	1,690	2,480
13	33,800	1,870	2,510
14	43,200	1,990	2,940
15	51,000	2,110	3,230
16	63,000	2,290	3,620
17	68,000	2,290	3,890
18	77,000	2,290	4,410
19	87,000	2,410	4,660
20	95,400	2,470	4,960
21	111,200	2,590	5,460
22	127,000	2,650	6,060

› 1 cm increment for width & height dimensions
› No additional cost for customized unit size
› No additional lead time

Example

Airflow (m^3/h)	Unit Size	Height (mm)	Width (mm)	Face Velocity (m/s)
47,000	Size 15	2,110	3,230	2.27
	1,920x2,720	2,110	2,950	2.5

Plug and play: More control, more flexibility

The plug and play control system allows for more precise control than ever before, allowing the user to determine a wide range of settings, resulting in excellent operational flexibility.
The factory-fitted electrical control panel, complete with Direct Digital Control (DDC) is combined with in-built temperature, humidity and CO_2 sensors to control mixing dampers, heat recovery wheels, water valves, pressure switches for filters and fans, fan motors and inverters.
All these components are wired internally and individual AHU modules are linked by fast connectors.
The AHU control system can manage the chilled water coil, hot water coil, DX cooling and/or heating coil(s) (in conjunction with ERQ/VRV) of single or multiple refrigerant circuits (up to a maximum of four circuits per DX coil).

Modular R

High-end solution with heat recovery

Energy efficiency and indoor air quality

- Predefined sizes
- IE4 premium efficiency motor
- High efficiency heat wheel (heat recovery)
- Compact design
- Advanced control features
- Easy installation
- Indoor air quality compliant with VDI 6022 hygiene guideline
- Operating limits from -25 °C, -40 °C with electric heaters, up to +46 °C ambient temperature
- VRV IV and ERQ coupling capability
- Indoor and outdoor versions
- Free cooling capability
- Economy and Night mode operation
- Monitoring and control through Daikin ITM



EC Fan

- Air flow or pressure control (Variable Air Volume - Constant Air Volume)
- Nominal air flow programmed at factory
- Silent operation



Simple, quick installation

The Modular series' Plug and play design is more than just a convenient feature for installers. It offers cost-saving benefits as there is no need for expensive adjustments before the unit is commissioned.
Plug and play makes everyone's life simpler, safer and more economical.

D-AHU Modular R			1	2	3	4	5	6	7	8	9	10
Airflow		m^3/h	1,200	1,700	2,700	4,100	5,500	6,100	7,000	9,100	11,500	15,000
Temp. efficiency winter		%	82.4	82.4	82.4	82.6	82.2	82.4	83	82.6	82.5	82.7
External static pressure	Nom.	Pa	200	200	200	200	200	200	200	200	200	200
Current	Nom.	A	2.38	3.18	1.65	2.58	3.35	3.86	4.32	5.36	7.15	9.50
Power input	Nom.	kW	0.55	0.73	1.14	1.79	2.32	2.68	2.99	3.72	4.95	6.58
SFPv		$kW/m^3/s$	1.64	1.55	1.52	1.57	1.52	1.58	1.54	1.47	1.55	1.58
Electrical supply	Phase	ph	1	1	3 + N	3 + N	3 + N	3 + N	3 + N	3 + N	3 + N	3 + N
	Frequency	Hz	50	50	50	50	50	50	50	50	50	50
	Voltage	V	230	230	400	400	400	400	400	400	400	400
Dimensions unit	Width	mm	720	720	990	1,200	1,400	1,400	1,600	1,940	1,940	2,300
	Height	mm	1,320	1,320	1,540	1,740	1,740	1,920	1,920	2,180	2,460	2,570
	Length	mm	1,700	1,700	1,800	1,920	2,080	2,280	2,400	2,450	2,280	2,400
Weight unit		kg	325	350	475	575	750	790	950	1,330	1,410	1,750

Modular P

AHU with plate heat exchanger

Highlights

› 10 Predefined sizes
› Compliant with VDI 6022
› Operating limits from -25 C, -40C with electric heaters
› Plug & Play Controls
› Monitoring and control through Daikin ITM
› Easy installation and commissioning



EC Fan

› Inverter driven with IE4 premium efficiency motor
› High-efficient blade profiling
› Reduced energy consumption
› Optimized SFP (Specific Fan Power) for an efficient unit operation

Heat exchanger

› Premium quality counter flow plate heat exchanger
› Up to 92% of the thermal energy recovered
› No cross contamination

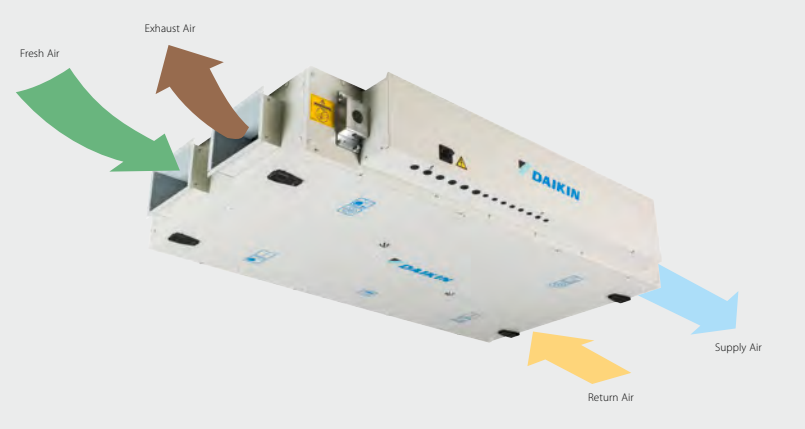
D-AHU Modular P			1	2	3	4	5	6	7	8	9	10
Airflow		m^3/h	1,100	1,600	2,400	3,100	3,700	4,750	5,500	8,000	10,400	12,500
Thermal efficiency		%	93.9	93.6	93.2	93.1	93.1	93.1	93.1	93.3	93.1	93.1
External static pressure	Nom.	Pa	200	200	200	200	200	200	200	200	200	200
Current	Nom.	A	1.75	2.51	1.28	1.67	2.09	2.69	3.04	4.14	5.88	6.97
Power input	Nom.	kW	0.40	0.58	0.89	1.15	1.45	1.86	2.11	2.87	4.07	4.83
SFPv		$kW/m^3/s$	1.32	1.30	1.33	1.34	1.41	1.41	1.38	1.29	1.41	1.39
Electrical supply	Phase	ph	1	1	3 + N	3 + N	3 + N	3 + N	3 + N	3 + N	3 + N	3 + N
	Frequency	Hz	50	50	50	50	50	50	50	50	50	50
	Voltage	V	230	230	400	400	400	400	400	400	400	400
Dimensions unit	Width	mm	720	820	990	1,200	1,400	1,400	1,600	1,940	1,940	2,300
	Height	mm	1,320	1,320	1,540	1,740	1,740	1,920	1,920	2,180	2,460	2,570
	Length	mm	2,030	2,200	2,610	2,660	2,800	3,210	3,340	3,840	4,060	4,190
Weight unit		kg	343	358	512	604	785	852	964	1,449	1,700	2,071

Modular L

Premium efficiency heat recovery unit

Highlights

› 6 Predefined sizes
› Compliant with VDI 6022
(for unit with air flow <1000 m3/h)
› Exceeding ERP 2018 requirement
› Plug & Play Controls
› Best choice when Compactness is needed
(only 280 mm height up to 550 m³/h)
› Easy installation and commissioning



EC centrifugal fan

› Inverter driven with IE4 premium efficiency motor
› High-efficient blade profiling
› Reduced energy consumption
› Optimized SFP (Specific Fan Power) for an efficient unit operation
› Maximum ESP available 550 Pa (depending on model sizes and air-flow)

Heat exchanger

› Premium quality counter flow plate heat exchanger
› Up to 93% of the thermal energy recovered
› High grade aluminum allowing high grade corrosion protection

For integration with Sky Air and VRV units, please refer to the Modular L Smart, in the Ventilation chapter

Technical details

D-AHU Modular L			2	3	4	5	6	7
Airflow		m³/h	300	600	1200	1500	2500	3000
Heat exchanger thermal efficiency[1].		%	93	93	93	92	94	93
External static pressure	Nom.	Pa	100	100	100	100	100	100
Current	Nom.	A	0,52	1,17	1,91	2,48	4,39	5,39
Power input	Nom.	kW	0,12	0,27	0,44	0,57	1,01	1,24
SFPv[2].		kW/m³/s	1,24	1,49	1,25	1,31	1,42	1,46
ERP compliant			ErP 2018 Compliant					
Electrical supply	Phase	ph	1	1	1	1	1	1
	Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60
	Voltage	V	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac
Main unit dimensions	Width	mm	920	1100	1600	1600	2000	2000
	Height	mm	280	350	415	415	500	500
	Length	mm	1660	1800	2000	2000	2000	2000
Rectangular duct flange	Width	mm	250	400	500	500	700	700
	Height	mm	150	200	300	300	400	400
Unit Sound Power Level (Lwa)		dB	50	57	57	53	61	58
Unit Sound Pressure Level[3].		dBA	33	39	39	35	43	40
Weight unit		kg	125	180	270	280	355	360

1. Winter design condition: Outdoor: -10°C,90% Indoor: 22°C,50%

2. SFPv is a parameter that quantifies the fan efficiency (the lower it is the better will be). This reduces if airflow decreases.

3. EN 3744. Surrounding, Directivity (Q) = 2, @1,5m distance

Daikin fresh air package

Unique in the market

Plug and play connection of AHU to Daikin VRV and ERQ

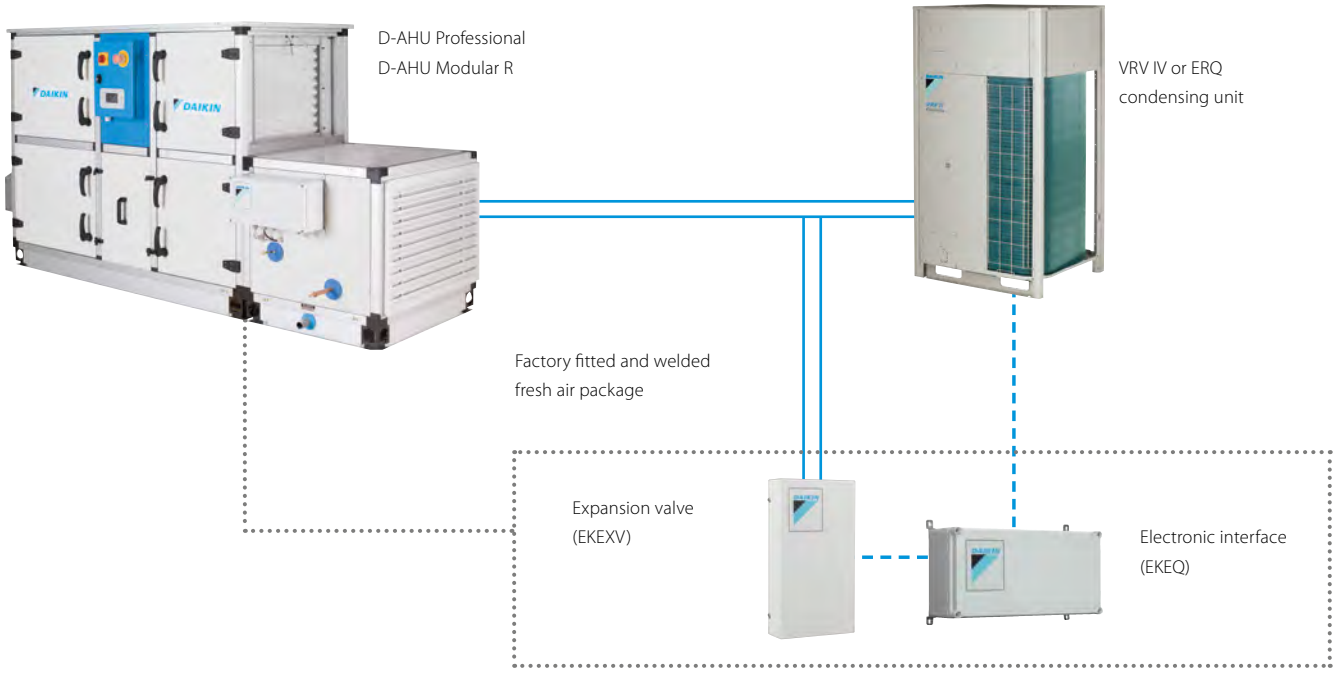
The Daikin fresh air package provides a complete solution, including all unit controls (expansion valve, control box and AHU controller) and sensors factory mounted and configured.

Higher efficiency

Daikin heat pumps are renowned for their high energy efficiency. Integrating the AHU with a heat recovery system is even more effective since an office system can frequently be in cooling mode while the outdoor air is too cold to be brought inside in an unconditioned state. In this case heat from the offices is merely transferred to heat up the cold incoming fresh air.

High comfort levels

Daikin ERQ and VRV units respond rapidly to fluctuations in supply air temperature, resulting in a steady indoor temperature and resulting in high comfort levels for the end user. The ultimate is the VRV range which improves comfort even more by offering continuous heating, also during defrost.



For more information on the connection of VRV or ERQ DX units with air handling units refer to the chapter Ventilation & Biddle air curtains of this catalogue

Options - D-AHU Professional

Construction type		SP 65	SP 45
Profile	Anodized aluminium	option	option
	Anodized aluminium with thermal break	option	option
Corner	Glass fibre reinforced nylon	standard	standard
Panel insulation	Polyurethane foam density 40 kg/m³ thermal conductivity 0.022 W/m*K fire reaction class b-s2, diam. as per EN13501-1	standard	standard
	Mineral wool density 120 kg/m³ thermal conductivity 0.036 W/m*K (referred to 20°C) fire reaction class A1 as per EN 135011	option	option
External sheet material	Pre-coated galvanized steel	option	option
	Aluzinc	standard	standard
	Galvanized steel	option	option
	Aluminium	option	option
	AISI 304 stainless steel	option	option
Internal sheet material	Pre-coated galvanized steel	option	option
	Aluzinc	standard	standard
	Aluminium	option	option
	AISI 304 stainless steel	option	option
Base frame	Aluminium up to 35,000 m³/h	standard	standard
	Galvanized steel from 35,000 m³/h	standard	standard
Handle	Glass fibre reinforced nylon	standard	standard
Type	Compression type	standard	standard
	Hinge function type (possibility to remove door)	option	option

Customised regulation and control systems

All Modular air handling systems come with a regulation and control system (with or without connection to a BMS).

The MicroTech III controller is designed to work with most applications. It can thus manage a chilled water system or direct-expansion system while providing management of the heat recovery loop for constant or variable speeds.
This allows for precise temperature control based on P.I.D. regulation, and constantly optimises the operating parameters of the air handling unit.

- LCD display with 164 x 44 pixels.
- 3-key control panel.
- Rotating knob control for greater ease of use.
- Memory for data backups.
- Alarm relays for general types of incidents.
- Password-controlled access for configuration changes.
- Maintenance reports showing all run-time hours and general operating conditions.
- Alarm log to facilitate the analysis of incidents.

The MicroTech III controller provides the option of controlling the set-points for ambient air temperature, air return and supply air, and the possibility of regulating air quality with the addition of a CO_2 probe. For additional information about these features, please contact your Daikin representative.



The POL638 standard software has been customised to manage the control signals of Daikin's ERQ and VRV IV systems.



Daikin is a strong challenger in the refrigeration market. We can create the ideal solution for each customer's specific situation.
As our products contain the latest technologies we ensure the highest energy efficiency. Our units are rigorously tested in order to provide you reliable operation.
With the acquisition of the Zanotti group, we expand our refrigeration business providing a larger and more diverse product line for all aspects in the cold chain.

Refrigeration

Why choose Daikin? 582

Daikin Refrigeration Group 584

Products Overview 588

1 Plug and Play solutions for cold rooms and Wine rooms 590

Uniblocks 593

Bi-Blocks 596

Wine blocks 599

2 Condensing units 602

Small CU 604

Twin CU 609

Large CU 610

ZEAS 612

Booster CU 620

3 Packs and Racks 622

Multi compressor Racks 623

Racks 628

4 Integrated Solutions - Refrigeration with Climatization 632

Conveni-Pack + Booster 634

Mix condensing units 640

5 Other products 642

6 Options 650

ZEAS and Conveni-Pack 650

Zanotti 652



Inverter technology


Scroll compressor


Screw compressor


Reciprocating compressor


Swing compressor

For latest data, please consult my.daikin.eu



Why choose Daikin?

We know refrigeration inside out

- We have over 100 years of experience in the Refrigeration business.
- We can meet all refrigeration needs from farm to fork, thanks to our wide range of refrigeration products.
- Innovative and Reliable own technology and expertise on Refrigerants, controls and compressors!
- Your advisor for solutions to meet your needs in line with legislation (F-gas regulation, ecodesign,...) and with focus on reliability, safety, Total Equivalent Warming impact (see page 7) and running cost.

Controlled temperatures throughout the whole supply chain



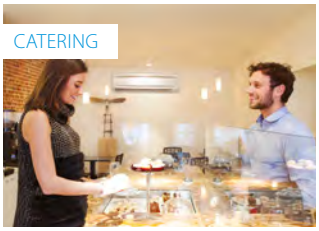
We can meet all refrigeration needs from farm to fork

Our extended product line-up is able to provide solutions for:



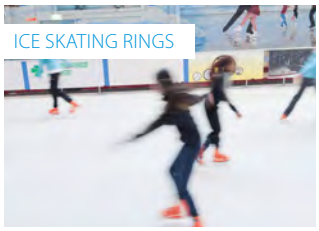




























...

We can fulfill any refrigeration need

Daikin Refrigeration – United in cold

Hubbard Products Ltd., is one of the UK's leading designers, manufacturers and suppliers of commercial cooling equipment and has earned an enviable Global reputation for innovation and design-led excellence.

Daikin Chemicals

Daikin Chemicals is one of the world's foremost manufacturer of fluorochemical products and is a leading expert in that field. We strive to find new possibilities for living and industry by making the most of fluorine characteristics using our own exclusively developed technologies.



Daikin Europe N.V. is a major European producer of air conditioners, heating systems and refrigeration equipment, with approximately 5,500 employees throughout Europe and major manufacturing facilities based in Belgium, the Czech Republic, Germany, Italy, Turkey and the UK. Globally, Daikin is renowned for its pioneering approach to product development and the unrivalled quality and versatility of its integrated solutions.

Tewis is a leading company in the design and engineering of refrigeration systems. Along with their expertise in customising controls (including monitoring), Tewis offers total comprehensive solutions for Refrigeration and Climate applications. Over the last few years, Tewis has focused on developing a range of CO_2 based refrigeration systems and has established a long-lasting relationship with key Spanish and Portuguese food retailers. Its mission and philosophy to date has been to achieve high reliability and realise remarkable energy savings for their customer base.

Zanotti is a refrigeration specialist founded in 1962. With over 50 years of experience in food storing services covering the needs of commercial and industrial refrigeration, but also the needs of the transportation of fresh and frozen products. Zanotti changed the refrigeration world from the early days with the introduction of the Uniblock, an all in one plug and play refrigeration unit for cold rooms. Today they employ more than 600 people, with three production facilities and an annual turnover of approx 130 million Euro.



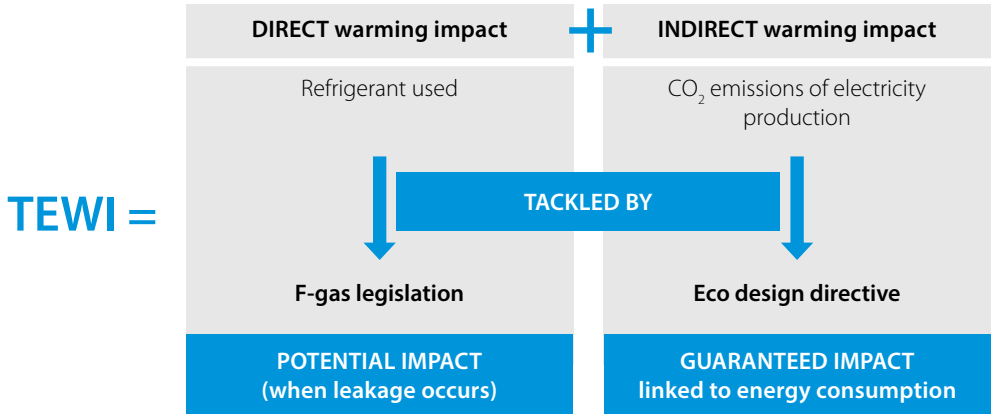
Meeting customer needs!

Depending on type of application, location and customers interest/values, the optimal refrigeration solution for the customer can potentially be different! **Thanks to our wide product portfolio, Daikin can offer what a customer really needs!**

The DNA of our Advice is:

☑ Safety and Reliability

☑ Reducing the Total Equivalent Warming Impact (TEWI)



Reduction of CO_2 emissions is one of the main priorities for the future. A refrigeration plant's global warming effect is the combination of the possible refrigerant losses (Direct warming impact) and the CO_2 emissions caused by electricity production (Indirect warming impact). Country per country situation is different, however on average in Europe CO_2 release at energy production is quite high (average 0,45kg/kwh of Electrical Energy)! Due to this, there is a significant greenhouse effect over the lifetime of the refrigeration plant and efficiency is thus one of the crucial focus points in reducing TEWI!
When various refrigeration solutions are being compared it is thus important to take into account both aspects as in some cases optimizing the direct warming impact (eg: changing refrigerant) will have an opposite effect on the indirect warming impact!

☑ Reducing your running cost

Through focus on reliability & quality, through extensive testing on each product, and energy efficiency our aim is to reduce your operational cost to the absolute minimum!





E. LECLERC, HYPERMARKET
ZEAS



BEER COOLING FACILITY,
CHILLED WITH ZEAS



EDEKA, SUPERMARKET
CONVENI-PACK (2) AND ZEAS (1)



COOMBE FISHERIES
HIGH-PERFORMANCE ZANOTTI LT REFRIGERATION EQUIPMENT



ZIGGO DOME, EVENT HALL
ZEAS FOR COOLING (6) AND FREEZING (2)







SERVICE STATION
ZEAS

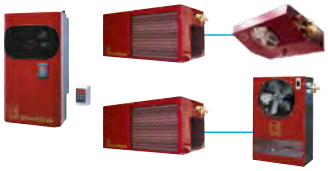
			Technology compressor		Page	Hermetic			Semi-hermetic		Capacity control			
			Application	Refrigerant		Reciprocating compressor	Rotary	Scroll	Reciprocating compressor	Screw	Varispeed	External frequency drive	DC control	Digital scroll
Plug & Play solution for cold room & wine rooms	Uni-block 		MT	R134a	22-25	•		•						
				R407C	22-25	•								
				R407H	22-25	•								
				R290	22-25	•								
			LT	R452A	22-25	•								
				R407F	22-25			•						
				R290	22-25	•								
	Biblock 		MT	R134a	26-28	•								
			LT	R452A	26-28	•								
				R407F	26-28	•								
	WINE 		HT Cooling	R134a	29-30	•								
Condensing units	Single CU (ON/OFF or INVERTER) 		MT	R449A*	34-40	•		•	•		•	•		•
				R134a	34-40	•		•	•		•	•		•
				R410A	44			•					•	
				FGAS FREE CO2	54		•		•			•	•	
			LT	R449A*	34-40	•		•	•		•	•		
				R407F	34-40	•		•	•		•	•		
				R410A	44			•					•	
				FGAS FREE CO2	54		•		•			•	•	
	Twin CU 		MT	R449A*	41	•		•	•		•	•		•
				R134a	41	•		•	•		•	•		•
				R410A	44			•					•	
				FGAS FREE CO2	54				•			•		
			LT	R449*	41	•		•	•		•	•		
				R407F	41	•		•	•		•	•		
				R410A	44			•					•	
	Multi CU 		MT	R449A	42-43			•			•	•		•
				R410A	44			•					•	
				FGAS FREE CO2	54				•			•		
			LT	R449A	42-43			•			•	•		
				R410A	44			•					•	
	Booster CU (MT + LT) 		MT	FGAS FREE CO2	55-57				•			•		
			LT	FGAS FREE CO2	55-57				•			•		
Compressor rack and packs	Racks 		MT	R449A	59-61	•		•	•	•	•	•		•
				R134a	59-61	•		•	•	•	•	•		•
			LT	R449A	59-61	•		•	•	•	•	•		
				R407F	59-61			•	•	•	•	•		
			MT	FGAS FREE CO2	64-65				•			•		
			MT	FGAS FREE CO2	66				•			•		
			LT	FGAS FREE CO2	66				•			•		
Integrated solutions (Refrigeration and climatisation)	Conveni-pack 		MT	R410A	72			•					•	
			LT	R410A	72			•					•	
			AC	R410A	72			•					•	
			HR + HP	R410A	72			•					•	
	MIX CU 		AC	FGAS FREE CO2	78-79				•			•		
			MT	FGAS FREE CO2	78-79				•			•		
	MIX RACK 		AC	FGAS FREE CO2	78-79				•			•		
			MT	FGAS FREE CO2	78-79				•			•		


Freezing (Low temperature)
(-20°C / +35°C)
Chilling (Medium temperature)
(0°C / +35°C)
Cooling (High Temperature)
(+20°C/+10°C)
Heating
Cooling capacity (kW)
10
100
200
500
0.8-11.8
1.1-1.9
0.8-3.7
1.2-5.7
0.6-54.0
2.6-8.1
0.8-2.6
0.8-13.8
0.6-4.8
4.4-11.8
0.7-2.3
1.0-77.2
1.0-69.6
3.0-15.2
3.2-40.0
0.4-28.1
0.5-23.7
2.8-6.5
1.5-8.0
8.1-27.9
6.3-25.8
9.9-26.5
15.4-47.5
5.7-19.0
5.1-17.7
4.2-10.7
45.6-183.4
17.0-75.8
36.0-119.7
13.1-70.7
7.0-29.6
18.0-90.0
8.0-30.0
1.6-295.0
0.7-233.0
0.4-89.7
0.5-88.8
30.0-512.0
30.0-400.0
15.0-240.0
13.7-22.8
3.5-7.0
14.0-26.8
16.8-42.0
18.0-150.0
15.0-220.0
18.0-150.0
15.0-220.0



Plug and Play solutions

for cold rooms and wine rooms

Model	Product name	Capacity (kW)	0	1	2	3,5	5	10	15	25	35
Uni-block system for wall mounted installation (optional through-wall) in small and medium sized cold rooms R-290 Propane natural refrigerant	(M)GM			**R-290**							
				R-452A							
				R-290							
Uni-block system for roof mounted installation in small and medium sized cold rooms R-290 Propane natural refrigerant	(M)SB			**R-290**							
				R-452A							
					R-134A						
					R-290						
Uni-block system for wall mounted installation in medium sized cold rooms	AS										
Bi-block system for wall mounted installation	GS										
Bi-block system for floor standing or roof mounted installation with capillary expansion system	SP-O										
Bi-block system for floor standing or roof mounted installation with thermostatic expansion valve	DB-O										
Wineblock	RCV / RDV										

Freezing (Low temperature) (-20° C / +35°C)

Chilling (Medium temperature) (0° C / +35°C)

Cooling (High Temperature) (+20° C/+10°C)

Zanotti

Touch control

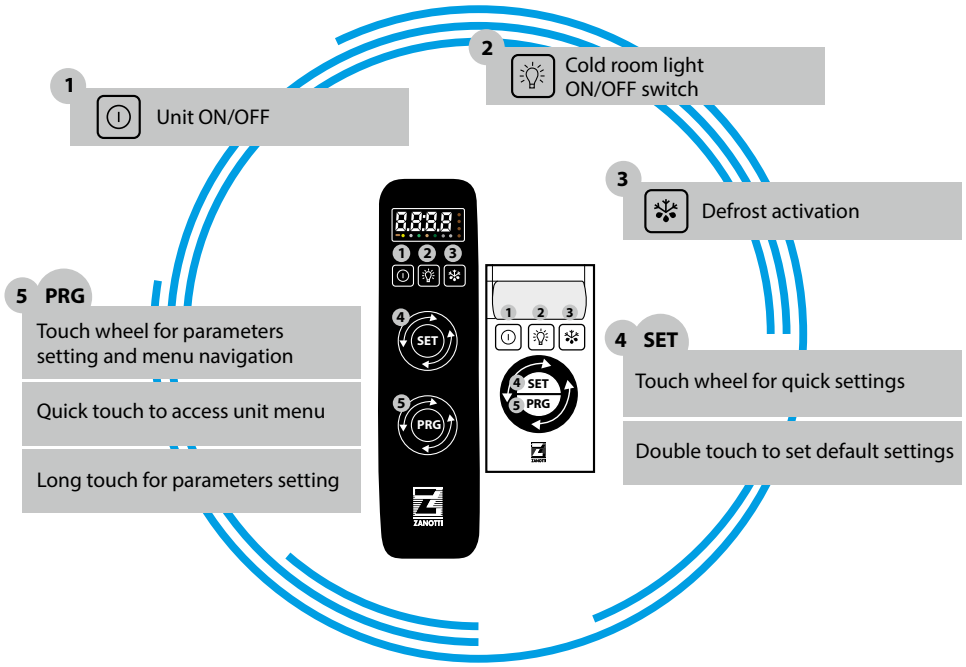
Zanotti presents the new "Touch Screen" control panel for GM monobloc units and GS split units. This new one User interface consists of keypad and display and allows easy access to all manual functions of the units.

The control of the refrigeration cycle, switching the unit on and off, the lighting in the cold room, activating the manual defrost process and setting the parameters are the features that are more intuitive with the new keyboard.



GM Monoblock Unit

GS Split Unit



for two units in a cold storage cell
ALTERNATIVE REMOTE CONTROL

› For cold rooms where it is required by law to maintain a certain temperature(Products for hospitals,Pharmaceutical products)for safety and control two aggregates in the same Cooling cell to be installed so that they are the same in alternate operation working hours.
› If an aggregate is in full function blocked due to a fault, automatically starts the second one Aggregate.
For remote controls with Thermostat when the temperature is not for a certain period of time achieved (product feed,open cell door for a longer Period), the unit changes into the standby function.



› Remote control for two aggregates adjustable Timer for the alternate Operation of the Aggregate.
› In case of device failure,switch the Control on the standing device around. Alarm message through Lamp and buzzer.
› Thermostat for Safety at high Temperatures in the cold room (only with models with Thermostat).

Uni-block system for low and medium temperature refrigeration

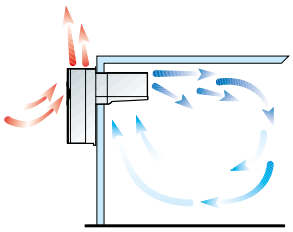
For wall mounted installation in small and medium sized cold rooms

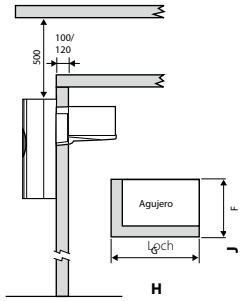
- Rapid mounting on the wall of the cold room by straddle-mounting, which is ideal for new installations or through-wall mounting, which is ideal for refurbishment projects
- Metallic grey coloured finish of the outdoor unit
- The white colour of the evaporator blends unobtrusively with the cold room walls
- Compressor compartment insulated with suitable soundproofing material to reduce sound levels
- Microchannel condensers available in order to reduce the refrigerant charge as much as possible and ensuring higher energy efficiency
- The units are provided with a new generation control panel with an easy-to-use interface



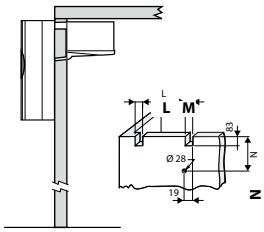
GM

Installation type

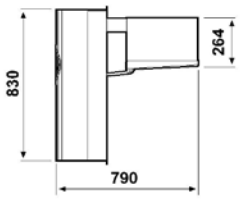


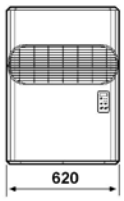


Through- wall model



Straddle model







Low temperature refrigeration				GM	BGM110 DA11XA	BGM0870 Y1AA	BGM112 DA11XA	BGM117 DA11XA	BGM218 DA11XA	BGM220 DB11XA	BGM330 DB11XA
Refrigerating capacity	Low temperature	R-290	Nom	kW	-	0.87 (1)			-		
		R-452A	Nom	kW	0.679 (1)	-	0.889 (1)	1.080 (1)	1.336 (1)	1.688 (1)	2.349 (1)
Dimensions	Unit	HeightxWidthxDepth		mm	735x400x790				830x620x790		830x620x862
	Packed unit	HeightxWidthxDepth		mm	942x450x850				1,050x670x850		1,050x670x940
Weight	Unit			kg	56	64			80		105
	Packed unit			kg	67	75			96		122
Compressor	Type				Hermetic Reciprocating						
	Nominal power			kW	0.74	0.9		1.3		1.5	2.2
	Starting method				Direct						
Condenser	Air flow			m^3/h	600	720	600		1,200		1,500
Defrost					Hot gas						
Evaporator	Air flow			m^3/h	600	672	600		1,200		1,500
	Air throw			m	4						10
Operation range	Cold room temperature	Min. ~Max.		°C	-25~-15						
Refrigerant	Type/GWP				R-452A/2,141	R-290/3	R-452A/2,141				
	Charge			kg/TCO_2Eq	0.38/0.81	0.15/0.0000	0.34/0.73	0.35/0.75	0.86/1.84	0.84/1.80	0.98/2.10
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230					3N~/50/400	

Medium temperature refrigeration				GM	MGM103 EA11XA	MGM105 EA11XA	MGM106 EA11XA	MGM128 0Y1WA	MGM107 EA11XA	MGM110 EA11XA	MGM211 EA11XA	MGM221 0Y1WA	MGM212 EB11XA	MGM213 EB11XA	MGM315 EB11XA	MGM320 EB11XA
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	0.855 (2)	0.978 (2)	1.120 (2)	-	1.315 (2)	1.351 (2)	1.806 (2)	-	2.034 (2)	2.175 (2)	3.079 (2)	3.351 (2)
		R-290	Nom	kW	-			1.31 (2)	-			2.18 (2)	-			
Dimensions	Unit	HeightxWidthxDepth		mm	735x400x790						830x620x790				830x620x682	
	Packed unit	HeightxWidthxDepth		mm	942x450x850						1,050x670x850				1,050x670x940	
Weight	Unit			kg	52	53	56			64	80				98	100
	Packed unit			kg	63	64	67			75	96				115	
Compressor	Type				Hermetic Reciprocating											
	Starting method				Direct											
Condenser	Air flow			m^3/h	600						1,200	-	1,200		1,500	
Defrost					Hot gas											
Evaporator	Air flow			m^3/h	600						1,200	1,125	1,200		1,800	
	Air throw			m	4										10	
Operation range	Cold room temperature	Min. ~Max.		°C	-5~10											
Refrigerant	Type/GWP				R-134a/1,430			R-290/3	R-134a/1,430			R-290/3	R-134a/1,430			
	Charge			kg/TCO_2Eq	0.40/0.57	0.43/0.61		0.15/0.00	0.33/0.47	0.40/0.57	0.71/1.02	0.15/0.00	0.70/1.00	0.75/1.07	0.95/1.36	1.00/1.43
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230								3N~/50/400			

(1) When normally running: -20°C / +30°C

(2) When normally running: 0°C / +30°C

Uni-block system for low and medium temperature refrigeration

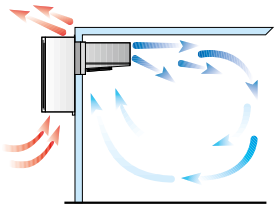
For wall mounted installation in medium sized cold rooms

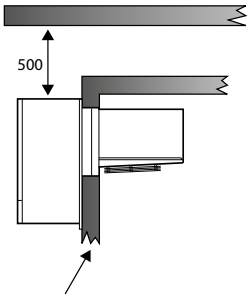
- Rapid mounting on the wall of the cold room by through-wall mounting
- Extremely fast to assemble, reducing installation time and cost
- The white colour of the evaporator blends unobtrusively with the cold room walls
- Very compact and very efficient
- Remote electronic command station with easy-to-use user interface programmable according to various system requirements

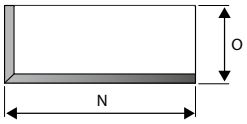


AS

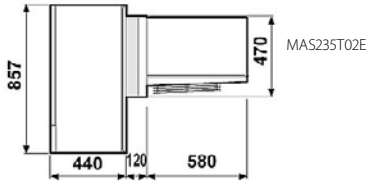
Installation type



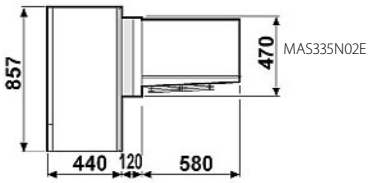




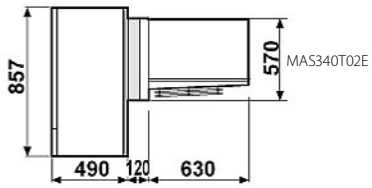
Drain pan connection: Ø 18 (AS235), Ø 22 (AS335-AS340)



MAS235T02E



MAS335N02E



MAS340T02E

Low and medium temperature refrigeration				AS	MAS235T02E	MAS335N02E	MAS335T02E	MAS340T02E
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	4.981 (1)	6.988 (1)	8.290 (1)	10.664 (1)
Dimensions	Unit	Height x Width x Depth		mm	857 x 1,280 x 1,140	857 x 1,750 x 1,140		857 x 1,790 x 1,240
	Packed unit	Height x Width x Depth		mm	1,060 x 1,330 x 1,210	1,065 x 1,850 x 1,300		1,065 x 1,850 x 1,420
Weight	Unit			kg	162	221	222	244
	Packed unit			kg	202	276	277	361
Compressor	Type				Hermetic Reciprocating			
	Nominal power			kW	3.7	4.8	6.3	7.4
	Starting method				Direct			
Operation range	Cold room temperature	Min. ~Max.		°C	-5 ~10			
Refrigerant	Type				R-134a			
	GWP				1,430			
Evaporator	Air flow			m^3/h	3,900	5,600		8,000
	Air throw			m	10 (2)			17 (2)
Condenser	Air flow			m^3/h	2,700	4,000		5,600
Defrost					Hot gas			
Power supply	Voltage/Phase/Frequency			V/Hz	400 / 3N~ / 50			

(1) When normally running: 0°C / +30°C
(2) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.

Uni-block system for low and medium temperature refrigeration

For roof mounted installation in small and medium sized cold rooms

- Rapid mounting on the roof of the cold room
- Ceiling assembly leaves the space inside the cold room completely free
- The white colour of the evaporator blends unobtrusively with the cold room walls
- Extremely fast to assemble, reducing installation time and cost
- Best surface-to-capacity ratio
- Remote electronic command station with easy-to-use user interface programmable according to various system requirements

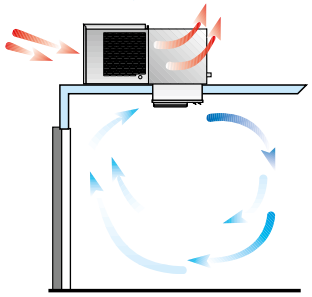


SB

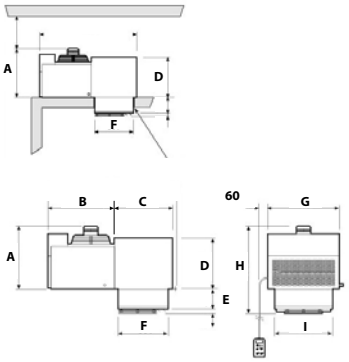


Remote control

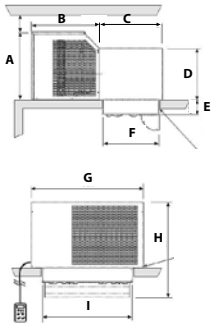
Installation type



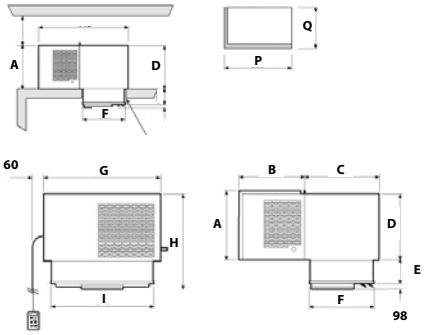
SB120



SB140



SB125-235



Low temperature refrigeration				BSB	010DA11XX	0870Y1AA	117DA11XX	330DB11XX	2650Y3AB	220DB11XX	1710Y2AA
Refrigerating capacity	Low temperature	R-290	Nom	kW	-	0.871 (1)	-		2.650 (1)	-	1.710 (1)
		R-452A	Nom	kW	0.628 (1)	-	1.029 (1)	2.472 (1)	-	1.699 (1)	-
Dimensions	Unit	Height x Width x Depth		mm	525 x 430 x 771	340 x 620 x 719	506 x 620 x 719	645 x 820 x 929	1044 x 1300 x 520	540 x 820 x 809	924 x 1075 x 360
	Packed unit	Height x Width x Depth		mm	690 x 540 x830	660 x 730 x 790		800x930x1000		690 x 930 x 880	
Weight	Unit			kg	48	68		102	200	87	102
	Packed unit			kg	61	82		124	114	108	-
Compressor	Type				Hermetic Reciprocating						
	Nominal power			kW	0.6	-	1.3	2.2	-	1.5	-
	Starting method				Direct						
Operation range	Cold room temperature	Min. ~Max.		°C	-25 ~-15						
Refrigerant	Type				R-452A	R290	R-452A		R290	R-452A	R290
	GWP				2,141.0	3.0	2,141.0		3.0	2,141.0	3.0
Evaporator	Air flow			m^3/h	500	780	550	2,300	2,560	1,100	1,320
	Air throw			m	3 (3)	4 (3)		10 (3)		4 (3)	
Condenser	Air flow			m^3/h	400	640	750	1,500	2,010	1,400	1,200
Defrost					Hot gas						
Power supply	Voltage / Phase /Frequency			V/Hz	230 / 1~ / 50			400 / 3N~ / 50			230 / 1~ / 50

Medium temperature refrigeration				MSB	005EA 11XX	106EA 11XX	107EA 11XX	1310Y 1AA	315EB 11XX	2180Y 1AA	320EB 11XX	3370Y 2AA	425EB 11XX	210EA 11XX	5820Y 3AB	212EB 11XX	530EB 11XX
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	0.857 (2)	1.120 (2)	1.338 (2)	-	3.282 (2)	-	3.550 (2)	-	3.774 (2)	1.799 (2)	-	2.022 (2)	4.871 (2)
		R-290	Nom	kW	-			1.31 (2)	-	2.18 (2)	-	3.37 (2)	-		5.82 (2)	-	
Dimensions	Unit	Height x Width x Depth		mm	525 x 430 x 771	506 x 620 x 719		340 x 620 x 719	645 x 820 x 929	360 x 820 x 809	645 x 820 x 929	1,044x1,300x410	760 x 920 x 1,042	540 x 820 x 809	1,044 x 1,300 x 520	540 x 820 x 809	785 x 1,075 x 1,046
	Packed unit	Height x Width x Depth		mm	690 x 540 x 830	660 x 730 x 790			800 x 930 x 1,000				880 x 1,100 x1,100	690 x 930 x 880	-	690 x 930 x 880	920 x 1,200 x 1,120
Weight	Unit			kg	42	59			92	75	92	102	110	74	200	75	151
	Packed unit			kg	55	73			114				139	95	96		184
Compressor	Type				Hermetic Reciprocating												
	Nominal power			kW	0.5	0.6	0.7	-	2.2	-	2.6	-	2.9	0.9	-	1.7	3.7
	Starting method				Direct												
Operation range	Cold room temperature	Min. ~Max.		°C	-5 ~10												
Refrigerant	Type				R-134a			R290	R-134a	R290	R-134a	R290	R-134a		R290	R-134a	
	GWP				1,430.0			3.0	1,430.0	3.0	1,430.0	3.0	1,430.0		3.0	1,430.0	
Evaporator	Air flow			m^3/h	500	550		610	2,300	1,220	2,300	1,500	2,300	1,100	3,600	1,100	3,450
	Air throw			m	3 (3)	4 (3)			10 (3)						4 (3)		10 (3)
Condenser	Air flow			m^3/h	400	750		640	1,500	1,200	1,500	1,755	3,100	1,400	2,900	1,400	3,200
Defrost					Hot gas												
Power supply	Voltage / Phase /Frequency			V/Hz	230 / 1~ / 50				400 / 3N~ / 50					230 / 1~ / 50		400 / 3N~ / 50	

(1) When normally running: -20°C / +30°C
(2) When normally running: 0°C / +30°C
(3) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.

Bi-block system for low and medium temperature refrigeration

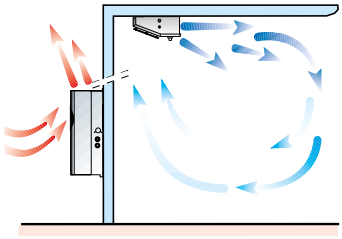
Condensing unit for wall mounted installation

- Wall mounted condensing unit and ceiling mounted evaporator
- Extremely rapid mounting
- Best surface-to-capacity ratio
- Low sound levels thanks to optional compressor compartment soundproofing
- New generation control panel: possibility to connect it to classic remote management systems or to a Modbus system
- Winter Kit



GS

Installation type



Low temperature refrigeration				GS	SB.BGS110P			SB.BGS112P			SB.BGS117P			SB.BGS218P			SB.BGS220P			SB.BGS330P		
					1D	2D	3D	1D	2D	3D	1D	2D	3D	1D	2D	3D	1D	2D	3D	1D	2D	3D
Refrigerating capacity	Low temperature	R-452A	Nom	kW	0.679 (1)			0.889 (1)			1.080 (1)			1.336 (1)			1.688 (1)			2.349 (1)		
Dimensions	Condensing unit	Height x Width x Depth		mm	735 x 400 x 280									830 x 620 x 280						830 x 620 x 350		
	Evaporator unit	Height x Width x Depth		mm	215 x 654 x 410									215 x 1,074 x 410						215 x 1,654 x 410		
	Packed condensing unit	Height x Width x Depth		mm	955 x 490 x 610									1,050 x 490 x 740						1,050 x 600 x 740		
	Packed evaporator unit	Height x Width x Depth		mm	470 x 260 x 780									470 x 260 x 1,200						470 x 260 x 1,780		
Weight	Condensing unit			kg	46			54						64						84		
	Evaporator unit			kg	13									19						28		
	Packed condensing unit			kg	57			65						76						98		
	Packed evaporator unit			kg	15									21						31		
Compressor	Type				Hermetic Reciprocating																	
	Nominal power			kW	0.74			0.9			1.3						1.5			2.2		
	Starting method				Direct																	
Operation range	Cold room temperature	Min. ~Max.		°C	-25 ~-15																	
Refrigerant	Type				R-452A																	
	GWP				2,141																	
Evaporator	Air flow			m³/h	600									1,200						1,800		
	Air throw			m	4 (3)																	
Condenser	Air flow			m³/h	600									1,200						1,500		
Defrost					Hot gas																	
Piping length				m	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10
Power supply	Voltage / Phase / Frequency			V/Hz	230 / 1~ / 50												400 / 3N~ / 50					

Medium temperature refrigeration				GS	SB.MGS103P			SB.MGS105P			SB.MGS106P			SB.MGS107P			SB.MGS110P			SB.MGS211P			SB.MGS212P			SB.MGS213P			SB.MGS315P			SB.MGS320P		
					1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	0.855 (2)			0.978 (2)			1.120 (2)			1.315 (2)			1.351 (2)			1.806 (2)			2.034 (2)			2.175 (2)			3.079 (2)			3.351 (2)		
Dimensions	Condensing unit	Height x Width x Depth		mm	735 x 400 x 280															830 x 620 x 280									830 x 620 x 350					
	Evaporator unit	Height x Width x Depth		mm	215 x 654 x 410															215 x 1,074 x 410									215 x 1,654 x 410					
	Packed condensing unit	Height x Width x Depth		mm	955 x 490 x 610															1,050 x 490 x 740									1,050 x 600 x 740					
	Packed evaporator unit	Height x Width x Depth		mm	470 x 260 x 780															470 x 260 x 1,200									470 x 260 x 1,780					
Weight	Condensing unit			kg	42			43			46						54			64									77			79		
	Evaporator unit			kg	13															19									28					
	Packed condensing unit			kg	53			54			57						65			76									91			93		
	Packed evaporator unit			kg	15															19									31					
Compressor	Type				Hermetic Reciprocating																														
	Nominal power			kW	0.4			0.5			0.4			0.7			0.9			1.7			2			2.2			2.6					
	Starting method				Direct																														
Operation range	Cold room temperature	Min. ~Max.		°C	-5 ~10																														
Refrigerant	Type				R-134a																														
	GWP				1,430																														
Evaporator	Air flow			m³/h	600															1,200									1,800					
	Air throw			m	4 (3)																														
Condenser	Air flow			m³/h	600															1,200									1,500					
Defrost					Electric																														
Piping length				m	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10
Power supply	Voltage / Phase / Frequency			V/Hz	230 / 1~ / 50																		400 / 3N~ / 50											

(1) When normally running: -20°C / +30°C
(2) When normally running: 0°C / +30°C
(3) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.

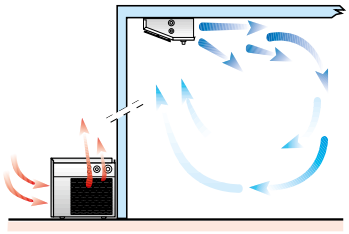
Bi-block system for low and medium temperature refrigeration

Condensing unit for floor standing or roof mounted installation

- Condensing unit for floor standing or roof mounted installation and ceiling mounted evaporator
- Extremely fast to assemble thanks to quick connection joints
- Reduced installation time and cost
- Best surface-to-capacity ratio



Installation type



				SP-O	SB.BSP110P			SB.BSP112P			SB.BSP117P			SB.BSP330P			SB.BSP218P			SB.BSP220P		
					1D	2D	3D	1D	2D	3D	1D	2D	3D	1D	2D	3D	1D	2D	3D	1D	2D	3D
Refrigerating capacity	Low temperature	R-452A	Nom	kW	0.662 (1)			0.905 (1)			1.088 (1)			2.384 (1)			1.342 (1)			1.719 (1)		
Dimensions	Condensing unit	Height x Width x Depth		mm	357 x 620 x 337									427 x 820 x 427			390 x 820 x 427					
	Evaporator unit	Height x Width x Depth		mm	215 x 614 x 410									215 x 1,614 x 410			215 x 1,034 x 410					
	Packed condensing unit	Height x Width x Depth		mm	690 x 520 x 780												690 x 620 x 1,010					
	Packed evaporator unit	Height x Width x Depth		mm	260 x 470 x 780									260 x 470 x 1,780			260 x 470 x 1,200					
Weight	Condensing unit			kg	45			50						78			61			69		
	Evaporator unit			kg	13									28			19					
	Packed condensing unit			kg	74			79						116			99			107		
	Packed evaporator unit			kg	15									30			21					
Compressor	Type				Hermetic Reciprocating																	
	Nominal power			kW	0.75			1.1			1.3			2.2			1.3			1.5		
	Starting method				Direct																	
Operation range	Cold room temperature	Min. ~Max.		°C	-25 ~-15																	
Refrigerant	GWP				2,141																	
Evaporator	Air flow			m^3/h	600									1,800			1,200					
	Air throw			m	4 (3)																	
Condenser	Air flow			m^3/h	750									1,500			1,400					
Defrost					Electric																	
Piping Length				m	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10
Power supply	Voltage / Phase / Frequency			V/Hz	230 / 1~ / 50									400 / 3N~ / 50			230 / 1~ / 50			400 / 3N~ / 50		

				SP-O	SB.MSP106P			SB.MSP107P			SB.MSP315P			SB.MSP320P			SB.MSP212P			SB.MSP213P		
					1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E	1E	2E	3E
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	1.140 (2)			1.422 (2)			3.188 (2)			3.492 (2)			1.816 (2)			2.029 (2)		
Dimensions	Condensing unit	Height x Width x Depth		mm	357 x 620 x 337						427 x 820 x 427						390 x 820 x 427					
	Evaporator unit	Height x Width x Depth		mm	215 x 614 x 410						215 x 1,614 x 410						215 x 1,034 x 410					
	Packed condensing unit	Height x Width x Depth		mm	690 x 520 x 780									690 x 620 x 1,010								
	Packed evaporator unit	Height x Width x Depth		mm	260 x 470 x 780						260 x 470 x 1,780						260 x 470 x 1,200					
Weight	Condensing unit			kg	43						69			70			59			61		
	Evaporator unit			kg	13						28						19					
	Packed condensing unit			kg	72						107			108			97			99		
	Packed evaporator unit			kg	15						30						21					
Compressor	Type				Hermetic Reciprocating																	
	Nominal power			kW	0.4			0.7			2.2			2.6			0.9			1.7		
	Starting method				Direct																	
Operation range	Cold room temperature	Min. ~Max.		°C	-5 ~10																	
Refrigerant	GWP				1,430																	
Evaporator	Air flow			m^3/h	600						1,800						1,200					
	Air throw			m	4 (3)																	
Condenser	Air flow			m^3/h	750						1,500						1,400					
Defrost					Electric																	
Piping Length				m	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10	2.5	5	10
Power supply	Voltage / Phase / Frequency			V/Hz	230 / 1~ / 50						400 / 3N~ / 50						230 / 1~ / 50			400 / 3N~ / 50		

(1) When normally running: -20°C / +30°C
(2) When normally running: +0°C / +30°C
(3) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.

Bi-block system for low and medium temperature refrigeration

Condensing unit for floor standing or roof mounted installation

- Condensing unit for floor standing or roof mounted installation and ceiling mounted evaporator
- Thermostatic expansion valve ensuring optimum capacity in accordance with the required load for better energy efficiency
- Extremely fast to assemble thanks to quick connection joints
- Reduced installation time and cost
- Best surface-to-capacity ratio



Ceiling evaporator

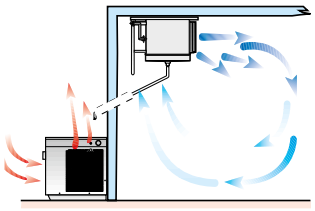


Remote control



Floor standing condenser

Installation type



				DB-O	SB.BDB 110DA12XX	SB.BDB 112DA12XX	SB.BDB 117DA12XX	SB.BDB 320DA13XX	SB.BDB 330DA13XX	SB.BDB 218DA12XX	SB.BDB 220DA12XX
Refrigerating capacity	Low temperature	R-452A	Nom	kW	0.662 (1)	0.905 (1)	1.088 (1)	2.384 (1)	2.38 (1)	1.342 (1)	1.719 (1)
Dimensions	Condensing unit	Height x Width x Depth		mm	357 x 620 x 337			427 x 820 x 427		390 x 820 x 427	
	Evaporator unit	Height x Width x Depth		mm	215 x 614 x 410			215 x 1,614 x 410		215 x 1,034 x 410	
	Packed condensing unit	Height x Width x Depth		mm	590 x 419 x 810			610 x 520 x 1,010			
	Packed evaporator unit	Height x Width x Depth		mm	260 x 470 x 780			260 x 470 x 1,200			
Weight	Condensing unit			kg	45	50		72	78	61	69
	Evaporator unit			kg	13			28		19	
	Packed condensing unit			kg	55	60		86	92	75	83
	Packed evaporator unit			kg	15			31		21	
Compressor	Type				Hermetic Reciprocating						
	Nominal power			kW	0.75	1.1	1.3	2.2		1.3	1.5
	Starting method				Direct						
Operation range	Cold room temperature	Min. ~Max.		°C	-25 ~-15						
Refrigerant	Type				R-452A						
	GWP				2,142						
Evaporator	Air flow			m^3/h	600			1,800		1,200	
	Air throw			m	4 (3)						
Condenser	Air flow			m^3/h	750			1,500		1,400	
Defrost					Electric						
Power supply	Voltage/Phase/Frequency			V/Hz	230/1~/50			400/3N~/50		230/1~/50	400/3N~/50

				DB-O	SB.MDB 106A12XX	SB.MDB 107A12XX	SB.MDB 315A13XX	SB.MDB 320A13XX	SB.MDB 425A13XX	SB.MDB 635A13XX	SB.MDB 645A13XX	SB.MDB 706A13XX	SB.MDB 530A13XX	SB.MDB 707A13XX	SB.MDB 212A12XX	SB.MDB 213A12XX
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	1.140 (2)	1.422 (2)	3.188 (2)	3.492 (2)	3.606 (2)	7.293 (2)	8.779 (2)	11.014 (2)	5.070 (2)	14.069 (2)	1.816 (2)	2.029 (2)
Dimensions	Condensing unit	Height x Width x Depth		mm	357 x 620 x 337		427 x 820 x 427	427 x 820 x 427	540 x 920 x 540	654 x 1,575 x 642		885 x 1,725 x 742	594 x 1,075 x 532	885 x 1,725 x 742	390 x 820 x 427	
	Evaporator unit	Height x Width x Depth		mm	215 x 614 x 410		215 x 1,614 x 410	215 x 1,614 x 410	545 x 805 x 690	600 x 1,690 x 690		620 x 1,840 x 700	530 x 1,220 x 690	620 x 1,840 x 700	215 x 1,034 x 410	
	Packed condensing unit	Height x Width x Depth		mm	590 x 419 x 810		610 x 520 x 1,010	610 x 520 x 1,010	880 x 650 x 1,200	750 x 890 x 1,840		780 x 890 x 1,990	710 x 820 x 1,280	780 x 890 x 1,990	610 x 520 x 1,010	
	Packed evaporator unit	Height x Width x Depth		mm	260 x 470 x 780		260 x 470 x 1,200	260 x 470 x 1,200	702 x 814 x 1,004	865 x 780 x 1,850		1,100 x 880 x 2,000	865 x 780 x 1,850	1,100 x 880 x 2,000	260 x 470 x 1,200	
Weight	Condensing unit			kg	43		69	70	95	158	159	195	104	220	59	61
	Evaporator unit			kg	13		28	28	37	84		102	53	102	19	
	Packed condensing unit			kg	53		83	84	114	247	248	309	193	334	73	75
	Packed evaporator unit			kg	15		30	30	53	140		165	85	165	21	
Compressor	Type				Hermetic Reciprocating											
	Nominal power			kW	0.4	0.7	2.2	2.6	2.94	4.8	6.3	7.4	3.7	9.555	0.9	1.7
	Starting method				Direct											
Operation range	Cold room temperature	Min. ~Max.		°C	-5 ~10											
Refrigerant	Type				R-134a											
	GWP				1,430											
Evaporator	Air flow			m^3/h	600		1,800	1,800	2,300	6,800	6,400	8,400	4,600	8,000	1,200	
	Air throw			m	4 (3)				12 (3)	11 (3)		13 (3)	11 (3)	12 (3)	4 (3)	
Condenser	Air flow			m^3/h	750		1,500		3,150	5,500	7,000	8,100	3,200	8,100	1,400	
Defrost					Electric											
Power supply	Voltage/Phase/Frequency			V/Hz	230/1~/50		400/3N~/50	400/3N~/50	400/3N~/50						230/1~/50	400/3N~/50

(1) When normally running: -20°C / +30°C
(2) When normally running: 0°C / +30°C
(3) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.w

Wineblock - Monoblock units for high temperature refrigeration

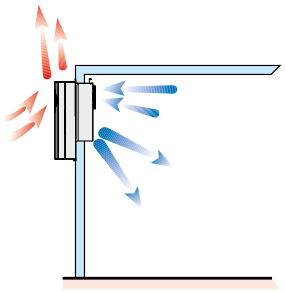
Monoblock system suitable for through-wall installation

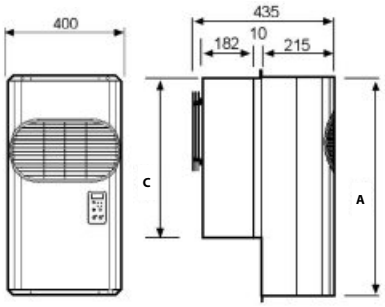
› Accurate humidity and temperature control to guarantee the quality of products (e.g. wines)
› Integrated humidifier available depending on model to have one unit which covers it all: perfect humidity & temperature control
› Electronic controller managing both temperature and humidity of the cold room

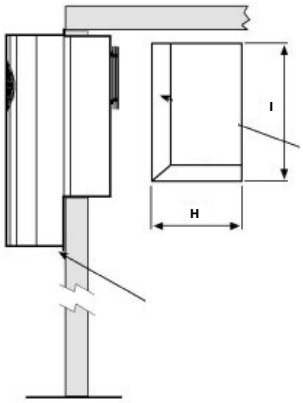


RCV

Installation type







					RCV	RCV101527E	RCV101528E	RCV102527E	RCV102528E	RCV201527E	RCV201528E	RCV202527E	RCV202528E
Refrigerating capacity	High temperature	R-134a	Nom	kW		0.6(1)		1(1)		1.4(1)		2.3(1)	
Heating capacity	R-134a	Nom		kW		0.7(1)		1.05(1)		1.4(1)		1.75(1)	
Dimensions	Unit	Height x Width x Depth		mm		735 x 400 x 435				735 x 620 x 435			
	Packed unit	Height x Width x Depth		mm		955 x 435 x 495				955 x 655 x 495			
Weight	Unit			kg		49	50	52	53	77	78	79	80
	Packed unit			kg		59	60	62	63	89	90	91	92
Compressor	Type					Hermetic Reciprocating							
	Nominal power			kW		0.25		0.37		0.46		0.55	
Operation range	Cold room temperature	Min. ~Max.		°C		10 ~20							
Refrigerant	Type					R-134a							
	GWP					1,430							
Evaporator	Air flow			m^3/h		600				1,200			
	Air throw			m		4 (2)							
Condenser	Air flow			m^3/h		600				1,200			
Power supply	Voltage / Phase / Frequency			V/Hz		230 / 1~ / 50							

(1) When normally running: +10°C / +30°C
(2) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.

Wineblock - Split units for high temperature refrigeration

Compact condensing unit and small-sized wall or ceiling mounted evaporators

- Accurate humidity and temperature control to guarantee the quality of products (e.g. wines)
- Thermostatic expansion valve ensuring optimum capacity in accordance with the required load for better energy efficiency
- Integrated humidifier available depending on model to have one unit which covers it all: perfect humidity & temperature control
- Electronic controller managing both temperature and humidity of the cold room



Ceiling evaporator

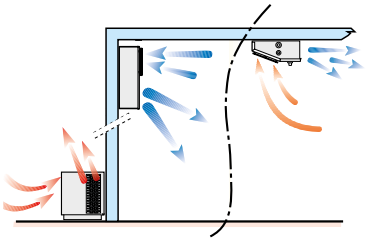


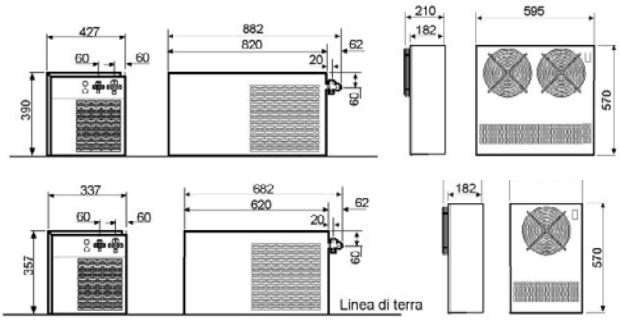
Wall evaporator



RDV

Installation type





				RDV	SB.RDV101529E	SB.RDV101523E	SB.RDV101524E	SB.RDV101525E	SB.RDV102529E	SB.RDV102523E	SB.RDV102524E	SB.RDV102525E
Refrigerating capacity	High temperature	R-134a	Nom	kW	0.600 (1)				1.000 (1)			
Heating capacity	R-134a	Nom		kW	0.700		0.900		1.050		0.900	
Dimensions	Condensing unit	Height x Width x Depth		mm	357/682/337							
	Evaporator unit	Height x Width x Depth		mm	570 x 375 x 210		215 x 669 x 490		570 x 375 x 210		215 x 669 x 490	
	Packed condensing unit	Height x Width x Depth		mm	590 x 800 x 400							
	Packed evaporator unit	Height x Width x Depth		mm	610 x 250 x 525		540 x 250 x 1,190		610 x 250 x 525		540 x 250 x 1,190	
Weight	Condensing unit			kg	32	33		32	35	36		35
	Evaporator unit			kg	12	13		12		13		12
	Packed condensing unit			kg	37	38		37	40	41		40
	Packed evaporator unit			kg	14	15		14		15		14
Compressor	Type				Hermetic Reciprocating							
	Nominal power			kW	0.25				0.37			
	Starting method				Direct							
Operation range	Cold room temperature	Min. ~Max.		°C	10 ~20							
Refrigerant	Type				R-134a							
	GWP				1,430							
Evaporator	Air flow			m^3/h	500		400		500		400	
	Air throw			m	4 (2)							
Condenser	Air flow			m^3/h	600							
Power supply	Voltage / Phase / Frequency			V/Hz	230 / 1~ / 50							

				RDV	SB.RDV201529E	SB.RDV201523E	SB.RDV201524E	SB.RDV201525E	SB.RDV202529E	SB.RDV202523E	SB.RDV202524E	SB.RDV202525E
Refrigerating capacity	High temperature	R-134a	Nom	kW	1.400 (1)				2.300 (1)			
Heating capacity	R-134a	Nom		kW	1.400		1.600		1.750 (1)		1.600	
Dimensions	Condensing unit	Height x Width x Depth		mm	390/882/427							
	Evaporator unit	Height x Width x Depth		mm	570 x 595 x 210		215 x 1,089 x 490		570 x 595 x 210		215 x 195 x 490	215 x 1,089 x 490
	Packed condensing unit	Height x Width x Depth		mm	610 x 510 x 1,000							
	Packed evaporator unit	Height x Width x Depth		mm	610 x 250 x 745		540 x 250 x 1,190		610 x 250 x 745		540 x 1,089 x 1,190	540 x 250 x 1,190
Weight	Condensing unit			kg	60	61		60	62	63	68	62
	Evaporator unit			kg	18	19		18		19		18
	Packed condensing unit			kg	67	68		67	69	70	75	69
	Packed evaporator unit			kg	20	21	22	20		21	22	20
Compressor	Type				Hermetic Reciprocating							
	Nominal power			kW	0.46				0.55			
	Starting method				Direct							
Operation range	Cold room temperature	Min. ~Max.		°C	10 ~20							
Refrigerant	Type				R-134a							
	GWP				1,430							
Evaporator	Air flow			m^3/h	1,000		800		1,000		800	
	Air throw			m	4 (2)							
Condenser	Air flow			m^3/h	1,200		1,100		1,200		1,100	
Power supply	Voltage / Phase / Frequency			V/Hz	230 / 1~ / 50							

(1) When normally running: +10°C / +30°C
(2) Use air throw as a base. Air throw is affected by many factors such as height of room, product storage, location of evaporator, etc.





Condensing units

Model	Product name	Capacity (kW)	0	2	5	10	25	50	100	150	300	450
Commercial plug-in condensing units	JEHCCU and JEHSCU											
Small condensing units	CU series											
	CU series											
	CU series											
Large condensing units	CM series											
Small inverter condensing unit for commercial refrigeration	Mini-ZEAS LRMEQ-BY1											
Inverter condensing unit for commercial refrigeration	ZEAS LREQ-BY1											
	Multi ZEAS LREQ-BY1R											
CO_2		 Coming soon										
												

Freezing (Low temperature) (-20° C)

Chilling (Medium temperature) (0° C)

Condensing unit for commercial refrigeration with reciprocating technology

Refrigeration solution for small food retailers

- Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- Compact and lightweight for even the smallest of city centre locations
- All components can be accessed, making maintenance quick and easy
- Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact



JEHCCU-CM1/CM3

Medium Temperature Refrigeration				JEHCCU-CM1/CM3	0040 CM1	0050 CM1	0051 CM1	0063 CM1	0067 CM1	0077 CM1	0095 CM1	0100 CM1	0113 CM1	0140 CM1	0140 CM3
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	0.55 (1)	-	0.83 (1)	0.99 (1)	-	1.20 (1)	1.49 (1)	-			
		R-404A*	Nom	kW	-	0.91 (1)	-		1.23 (1)	-		1.50 (1)	1.76 (1)	2.19 (1)	2.22 (1)
		R-407A	Nom	kW	-	0.72 (1)	-		0.97 (1)	-		1.19 (1)	1.49 (1)	1.73 (1)	1.74 (1)
		R-407F	Nom	kW	-	0.78 (1)	-		1.03 (1)	-		1.26 (1)	1.55 (1)	1.87 (1)	1.88 (1)
Power input	Medium temperature	R-134a	Nom	kW	0.43 (1)	-	0.54 (1)	0.64 (1)	-	0.74 (1)	0.90 (1)	-			
		R-404A*	Nom	kW	-	0.63 (1)	-		0.76 (1)	-		0.93 (1)	1.10 (1)	1.18 (1)	1.24 (1)
		R-407A	Nom	kW	-	0.54 (1)	-		0.70 (1)	-		0.84 (1)	0.98 (1)	1.11 (1)	1.16 (1)
		R-407F	Nom	kW	-	0.53 (1)	-		0.69 (1)	-		0.83 (1)	0.98 (1)	1.07 (1)	1.12 (1)
Parameters at full load and ambient temp. 25°C		R-134a	Te -10°C	Declared COP (COP2)	1.55	-	1.75	1.80	-	1.96	2.05	-			
		R-404A*	Te -10°C	Declared COP (COP2)	-	1.88	-		1.92	-		1.87	1.95	1.96	2.02
		R-407A	Te -10°C	Declared COP (COP2)	-	1.39	-		1.45	-		1.50	1.65		1.58
		R-407F	Te -10°C	Declared COP (COP2)	-	1.62	-		1.66	-		1.68	1.78	1.95	1.87
Parameters at full load and ambient temp. 32°C (Point A)		R-134a	Te -10°C	Rated COP (COPA)	1.28	-	1.53	1.55	-	1.63	1.65	-			
		R-404A*	Te -10°C	Rated COP (COPA)	-	1.45	-		1.61	-		1.61	1.60	1.68	1.80
		R-407A	Te -10°C	Rated COP (COPA)	-	1.33	-		1.37	-		1.42	1.52	1.57	1.50
		R-407F	Te -10°C	Rated COP (COPA)	-	1.47	-		1.49	-		1.51	1.58	1.75	1.67
Parameters at full load and ambient temp. 43°C		R-134a	Te -10°C	Declared COP (COP3)	1.18	-	1.20	1.21	-	1.30	1.32	-			
		R-404A*	Te -10°C	Declared COP (COP3)	-	1.10	-		1.18	-		1.21	1.20	1.26	1.31
		R-407A	Te -10°C	Declared COP (COP3)	-	1.16	-		-					1.38	1.30
		R-407F	Te -10°C	Declared COP (COP3)	-	1.20	-		-					1.39	1.32
Dimensions	Unit		Height	mm	607									662	
			Width	mm	876									1,101	
			Depth	mm	420									444	
Weight	Unit			kg	45		53		54				55	68	
Compressor	Type				Reciprocating compressor										
	Model				AE4440Y-FZ1A	AE4460Z-FZ1C	CAJ4461Y	CAJ4476Y	CAJ9480Z	CAJ4492Y	CAJ4511Y	CAJ9510Z	CAJ9513Z	CAJ4517Z	TAJ4517Z
	Oil	Charged volume		l	0.3		0.9							-	
	Oil Type				Uniqema Emkarate RL32CF										
	Piston displacement			m^3/h	1.80		3.18	3.79	2.64	4.51	5.69	3.18	4.21	4.52	
Fan	Type				Axial										
	Air flow rate	Cooling	Nom	m^3/h	1,300									2,700	
Sound pressure level	Nom.			dBA	29 (2)				28 (2)	29 (2)		28 (2)		34 (2)	
Refrigerant	Type				R-134a	R-404A	R-134a		R-404A	R-134a		R-404A			
	Type 2				-	R-407A	-		R-407A	-		R-407A			
	Type 3				-	R-407F	-		R-407F	-		R-407F			
	GWP				1,430.0	3,921.6	1,430.0		3,921.6	1,430.0		3,921.6			
	GWP Type 2				-	2,107	-		2,107	-		2,107			
	GWP Type 3				-	1,825	-		1,825	-		1,825			
Piping connections	Liquid line connection			inch	1/4"				3/8"						
	Suction line connection			inch	3/8"				1/2"					5/8	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230										3~/50/400

(1) Refer to condition: Outside ambient temperature = 32°C, Evaporation temperature = -10°C and 10K superheat (medium temperature application)
(2) Average sound pressure level is measured at 10m in anechoic room
* R-404A refrigerant is not 2020 F-Gas Compliant

Condensing unit for commercial refrigeration with scroll technology

Refrigeration solution for small food retailers

- Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- Compact and lightweight for even the smallest of city centre locations
- All components can be accessed, making maintenance quick and easy
- Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact



JEHSCU-CM1/CM3

Medium Temperature Refrigeration					JEHSCU-CM1/CM3	0200 CM1	0250 CM1	0300 CM1	0200 CM3	0250 CM3	0300 CM3	0350 CM3	0360 CM3	0400 CM3	0500 CM3	0600 CM3	0680 CM3	0800 CM3	1000 CM3
Refrigerating capacity	Medium temperature	R-134a	Nom	kW		2.05 (1)	2.59 (1)	3.09 (1)	2.17 (1)	2.48 (1)	3.06 (1)	3.48 (1)	3.69 (1)	4.24 (1)	5.24 (1)	6.16 (1)	6.89 (1)	7.95 (1)	10.40 (1)
		R-404A*	Nom	kW		3.54 (1)	3.99 (1)	4.92 (1)	3.49 (1)	4.21 (1)	4.89 (1)	5.50 (1)	5.92 (1)	6.70 (1)	8.03 (1)	9.45 (1)	10.15 (1)	12.95 (1)	16.45 (1)
		R-407A	Nom	kW		3.39 (1)	3.98 (1)	4.65 (1)	3.36 (1)	3.94 (1)	4.54 (1)	-	5.61 (1)	6.57 (1)	8.03 (1)	9.24 (1)	10.35 (1)	12.55 (1)	14.75 (1)
		R-407F	Nom	kW		3.26 (1)	3.73 (1)	4.50 (1)	3.22 (1)	3.85 (1)	4.45 (1)	-	5.61 (1)	6.62 (1)	7.99 (1)	9.36 (1)	10.40 (1)	12.65 (1)	15.95 (1)
Power input	Medium temperature	R-134a	Nom	kW		1.11 (1)	1.21 (1)	1.45 (1)	1.03 (1)	1.17 (1)	1.46 (1)	1.68 (1)	1.61 (1)	1.85 (1)	2.30 (1)	2.70 (1)	3.15 (1)	3.74 (1)	4.86 (1)
		R-404A*	Nom	kW		1.57 (1)	2.00 (1)	2.62 (1)	1.70 (1)	2.04 (1)	2.52 (1)	3.04 (1)	2.88 (1)	3.33 (1)	4.39 (1)	4.92 (1)	5.53 (1)	5.96 (1)	8.62 (1)
		R-407A	Nom	kW		1.60 (1)	1.99 (1)	2.47 (1)	1.63 (1)	2.03 (1)	2.45 (1)	-	2.58 (1)	2.97 (1)	3.93 (1)	4.62 (1)	5.54 (1)	6.24 (1)	8.41 (1)
		R-407F	Nom	kW		1.74 (1)	2.09 (1)	2.66 (1)	1.78 (1)	2.16 (1)	2.71 (1)	-	2.91 (1)	3.21 (1)	4.36 (1)	5.03 (1)	5.98 (1)	6.13 (1)	8.84 (1)
Seasonal energy performance ratio SEPR		R-134a	Te -10°C			-							2.29	-	2.69	2.63	2.57	2.92	2.88
		R-404A*	Te -10°C			-						2.61	3.48	2.77	2.64	2.72	2.65	2.90	2.57
		R-407A	Te -10°C			-							3.44	3.09	2.81	2.75	2.65	2.88	2.35
		R-407F	Te -10°C			-							3.2	2.83	2.60	2.69	2.59	2.83	2.53
Annual electricity consumption Q		R-134a	Te -10°C		kWh/a	-									11,969	14,381	16,491	16,741	22,226
		R-404A*	Te -10°C		kWh/a	-						12,939	10,448	14,881	18,673	21,344	23,536	27,407	39,372
		R-407A	Te -10°C		kWh/a	-							10,033	13,054	17,546	20,622	24,031	26,747	38,515
		R-407F	Te -10°C		kWh/a	-							10,766	14,365	18,883	21,395	24,655	27,475	38,831
Parameters at full load and ambient temp. 25°C		R-134a	Te -10°C	Declared COP (COP2)		2.15	2.54	2.50	2.55	2.52		2.46	2.8	2.83	-				
		R-404A*	Te -10°C	Declared COP (COP2)		2.65	2.54	2.24	2.44	2.41	2.26	-	2.66	-					
		R-407A	Te -10°C	Declared COP (COP2)		2.55	2.38	2.21	2.50	2.32	2.20	-	2.72	-					
		R-407F	Te -10°C	Declared COP (COP2)		2.43	2.31	2.16	2.35	2.25	2.10	-	2.5	-					
Parameters at full load and ambient temp. 32°C (Point A)		R-134a	Te -10°C	Rated COP (COPA)		1.85	2.14	2.13	2.12	2.13	2.10	2.08	2.29	2.29	2.28		2.19	2.13	2.14
		R-404A*	Te -10°C	Rated COP (COPA)		2.25	2.00	1.88	2.06	2.07	1.94	1.81	2.06	2.01	1.83	1.92	1.84	2.17	1.91
		R-407A	Te -10°C	Rated COP (COPA)		2.13	2.01	1.89	2.07	1.95	1.86	-	2.17	2.21	2.04	2.00	1.87	2.01	1.75
		R-407F	Te -10°C	Rated COP (COPA)		1.88	1.79	1.69	1.81	1.79	1.65	-	1.93	2.06	1.83	1.86	1.74	2.06	1.80
Parameters at full load and ambient temp. 43°C		R-134a	Te -10°C	Declared COP (COP3)		1.35	1.53			1.57		1.52	1.6	1.55	1.56	1.59	1.53	1.52	
		R-404A*	Te -10°C	Declared COP (COP3)		1.53	1.33	1.25		1.36	1.28	1.11	1.31	1.28	1.15	1.27	1.22	1.47	1.18
		R-407A	Te -10°C	Declared COP (COP3)		-			1.48	1.45	1.38	-	1.48	1.43	1.39	1.43	-	1.38	-
		R-407F	Te -10°C	Declared COP (COP3)		-												1.52	-
Dimensions	Unit		Height	mm		662							872	872				1,727	
			Width	mm		1,101							1,353	1,353				1,348	
			Depth	mm		444							575	575				641	
Weight	Unit			kg		70	72	74	70	72	74		112	119	123	125	126	218	
Compressor	Type					Scroll compressor													
	Model					ZB15KQE-PFJ	ZB19KQE-PFJ	ZB21KQE-PFJ	ZB15KQE-TFD	ZB19KQE-TFD	ZB21KQE-TFD	ZB26KQE-TFD	ZB26KQE-TFD	ZB29KQE-TFD	ZB38KQE-TFD	ZB45KQE-TFD	ZB48KQE-TFD	ZB58KCE-TFD	ZB76KCE-TFD
	Oil	Charged volume		l		-							1.5	1.36	2.07	1.89	1.80	2.5	3.2
	Oil Type					Polyester oil (Copeland Ultra 22 CC. 32 CC and 32-3MAF. Mobil EAL™ Arctic 22 CC. Uniqem Emkarate RL32CF														
	Piston displacement			m^3/h		5.90	6.80	8.60	5.90	6.80	8.60	9.90	9.90	11.40	14.40	17.10	18.80	22.10	29.10
Fan	Type					Axial													
	Air flow rate	Cooling	Nom	m^3/h		2,700							4,250	-				8,500	
Sound pressure level	Nom.			dBA		33 (2)	34 (2)	36 (2)	33 (2)	34 (2)	36 (2)	39 (2)	37 (2)	37 (2)	38 (2)	40 (2)		43 (2)	
Refrigerant	Type					R-134a													
	Type 2					R-404A													
	Type 3					R-407A						-	R-407A						
	Type 4					R-407F						-	R-407F						
	GWP					1,430													
	GWP Type 2					3,921.6													
	GWP Type 3					2,107						-	2,107						
	GWP Type 4					1,825						-	1,825						
Piping connections	Liquid line connection			inch		3/8"							3/4"	1/2"				3/4"	
	Suction line connection			inch		3/4"							1/2"	7/8"		1 1/8"			3/8"
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/230			3~/50/400										

(1) Refer to condition: Outside ambient temperature = 32°C, Evaporation temperature = -10°C and 10K superheat (medium temperature application)
(2) Average sound pressure level is measured at 10m in anechoic room
* R-404A refrigerant is not 2020 F-Gas Compliant
** Also compatible with refrigerants R-448A and R-449A. For more information consult RefrigXpress
Blue cells contain preliminary data

Condensing unit for commercial refrigeration with scroll / reciprocating technology

Refrigeration solution for small food retailers

- Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- Compact and lightweight for even the smallest of city centre locations
- All components can be accessed, making maintenance quick and easy
- Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact



JEHCCU/SCU-CL1/CL3

Low Temperature Refrigeration					JEHCCU-CL1/JEHSCU-CL3	JEHCCU0115CL1	JEHSCU0200CL3	JEHSCU0300CL3	JEHSCU0400CL3	JEHSCU0500CL3	JEHSCU0600CL3	JEHSCU0750CL3	JEHSCU0950CL3-EVI
Refrigerating capacity	Low temperature	R-404A*	Nom	kW		0.69 (1)	1.42 (1)	1.98 (1)	2.91 (1)	3.53 (1)	4.13 (1)	5.29 (1)	5.9 (1)
		R-407A	Nom	kW		-	1.16 (1)	1.51 (1)	2.29 (1)	2.77 (1)	3.31 (1)	4.29 (1)	4.96 (1)
Power input	Low temperature	R-404A*	Nom	kW		0.72 (1)	1.46 (1)	1.81 (1)	2.38 (1)	3.10 (1)	3.69 (1)	3.88 (1)	4.35 (1)
		R-407A	Nom	kW		-	1.31 (1)	1.77 (1)	2.33 (1)	2.85 (1)	3.57 (1)	4.17 (1)	3.94 (1)
Seasonal energy performance ratio SEPR		R-404A*	Te -35°C			-			1.88	1.79	1.80	1.82	1.79
		R-407A	Te -35°C			-			1.67		1.52	1.51	1.76
Annual electricity consumption Q		R-404A*	Te -35°C		kWh/a	-			11,555	14,732	17,107	21,649	24,503
		R-407A	Te -35°C		kWh/a	-			10,212	12,364	16,220	21,146	20,958
Parameters at full load and ambient temp. 25°C		R-404A*	Te -35°C	Declared COP (COP2)		1.11	1.16	1.40	-				1.58
		R-407A	Te -35°C	Declared COP (COP2)		-	1.12	1.08	-				1.51
Parameters at full load and ambient temp. 32°C (Point A)		R-404A*	Te -35°C	Rated COP (COPA)		0.96	0.97	1.09	1.22	1.14	1.06	1.36	1.36
		R-407A	Te -35°C	Rated COP (COPA)		-	0.89	0.85	0.98	0.97	0.93	1.03	1.26
Parameters at full load and ambient temp. 43°C		R-404A*	Te -35°C	Declared COP (COP3)		0.69	0.60	0.70	0.86	0.79	0.64	0.98	1.06
		R-407A	Te -35°C	Declared COP (COP3)		-	0.55	-	0.67	0.66	0.64	0.73	-
Dimensions	Unit	Height			mm	607	662		872			1,727	1,727
		Width			mm	876	1,101		1,353			1,348	1,348
		Depth			mm	420	444		575			605	605
Weight	Unit				kg	55	76	77	132		133	203	200
Compressor	Type					Reciprocating compressor	Scroll compressor						
	Model					CAJ2446Z	ZF06K4E-TFD	ZF09K4E-TFD	ZF13K4E-TFD	ZF15K4E-TFD	ZF18K4E-TFD	ZF25K5E-TFD	ZF18KVE-TFD-EVI
	Oil	Charged volume			l	0.9	-		1.90				1.90
	Oil Type					Uniqema Emkarate RL32CF	Polyester oil (Copeland Ultra 22 CC. 32 CC and 32-3MAF. Mobil EAL™ Arctic 22 CC. Uniqem Emkarate RL32CF						
	Piston displacement				m^3/h	4.55	5.90	8.00	11.80	14.50	17.10	21.40	17.1
Fan	Type					Axial							
	Air flow rate	Cooling	Nom		m^3/h	1,300	2,700		-			5,750	5,870
Sound pressure level	Nom.				dBA	31 (2)	32 (2)	33 (2)	37 (2)	39 (2)	41 (2)		37
Refrigerant	Type					R-404A							
	Type 2					-	R-407A						
	GWP					3,921.6							
	GWP Type 2					-	2,107.0						
Piping connections	Liquid line connection				inch	3/8"			1/2"				7/8"
	Suction line connection				inch	1/2"	3/4"		7/8"			1 1/8"	1/2"
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/230	3~/50/400						

(1) SRG 20°C, Ta=32°C, Te=-35°C (2) Average sound pressure level is measured at 10m in anechoic room
* R-404A refrigerant is not 2020 F-Gas Compliant
Blue cells contain preliminary data

Condensing unit for outdoor installation with hermetic compressors

General features:

› Capacity for MT cooling: 0,9 kW to 26,7 kW
› Capacity for LT cooling: 0,6 kW to 12 kW
› Ambient temperature range : - 25°C - +43°C
› R134A a, R 449A, R448A, R452A R407F, depending on the compressor
› Tecumseh, Maneurop, Copeland scroll
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

General Description:

Compact air cooled condensing unit floor mounting, low noise, with hermetic compressors. Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets. All components can be accessed, allowing for quick and easy maintenance.
The optimized compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes.



Standard characteristics:

› Hermetic compressor with integral protection
› Dual HP/LP fixed switch with auto reset
› Liquid line filter dryer, liquid line sight glass
› Curved condenser with 6-pole fan motor
› Liquid receiver with safety pressure relief valve for PED units (depending on the model & PED class)
› Electrical box with capacity controller (only for digital scroll)
› Crankcase heater (only scroll type)

Normal cooling

Condensing unit		GCU-E	1006U01	107U01	1010U01	1012U01	1015U01	2025U01	2028U01	2035U01	2040U01E
Refrigeration capacity	0° C	W	1,428	1,704	2,097	2,470	3,162	5,186	6,102	7,350	7,557
	-10° C	W	974	1,177	1,498	1,710	2,075	3,013	3,848	4,628	5,173
Power input		kW	0.61	0.7	0.83	0.88	1.2	1.53	1.82	2.17	2.67
COP 32°C (1)			1.59	1.67	1.8	1.93	1.72	1.96	2.11	2.13	1.94
COP 25°C (1)			1.84	1.93	2.07	2.23	1.98	2.23	2.4	2.42	2.2
COP 43°C (1)			1.23	1.31	1.5	1.53	1.35	1.55	1.66	1.68	1.55
SEPR (1)			-	-	-	-	-	-	-	-	2.4
Annual Electricity Consumption (1)		Kwh/a	-	-	-	-	-	-	-	-	13,257
Dimensions Unit	Height	mm	625	625	625	625	625	800	800	800	800
	Width	mm	1150	1150	1150	1150	1150	1400	1400	1400	1400
	Depth	mm	500	500	500	500	500	550	550	550	550
Condenser air flow		m^3/h	1,840	1,840	1,840	1,830	1,830	3,600	3,600	3,600	3,370
Compressor			Tecumseh reciprocating hermetic compressor								
Refrigerant		Type/GWP	R-134A/1430								
Power supply		V/~/ Hz	230/1~/50					400/3~/50			

Deep freezing

Condensing unit		HCU-D	1010U01	1012U01	1015U01	1017U01	1020U01	2025U01	2035U01
Refrigeration capacity	-25° C	W	673	778	1,058	1,323	1,790	2,597	(2)
	-35° C	W	377	449	626	802	1,021	1,481	(2)
Power input		kW	0.45	0.53	0.62	0.85	1.2	1.41	(2)
COP 32°C (1)			0.83	0.85	1	0.94	0.85	1.05	(2)
COP 25°C (1)			0.98	0.99	1.16	1.09	1	1.22	(2)
COP 43°C (1)			0.62	0.64	0.76	0.73	0.59	0.79	(2)
SEPR (1)			-	-	-	-	-	-	(2)
Annual Electricity Consumption (1)		Kwh/a	-	-	-	-	-	-	(2)
Dimensions Unit	Height	mm	625	625	625	625	625	800	800
	Width	mm	1150	1150	1150	1150	1150	1400	1400
	Depth	mm	500	500	500	500	500	550	550
Condenser air flow		m^3/h	1,840	1,840	1,840	1,840	1,830	3,600	(2)
Compressor			Tecumseh reciprocating hermetic compressor						
Refrigerant		Type/GWP	R-452A/2141						
Power supply		V/~/ Hz	230/1~/50					400/3~/50	

Other refrigerants, compressors and options availibal on request (1) Nominal operating conditions according to Ecodesign EN 13215: Ambient temperature 32°C/25°C/43°C, Evaporation temperature -10°C -35°C, 20°C suction gas temperature, Sub cooling 0K; (2) Not existing at the moment

Condensing unit for outdoor installation with semi hermetic compressors



CU1



CU3_4

General features:

› Capacity for MT cooling: 1,37 kW to 72,3 kW
› Capacity for LT cooling: 0,77 kW to 35,2 kW
› Ambient temperature range : - 25°C - +43°C
› R134A a, R 449A, R448A, R452A R407F, R 407A
› Reciprocating: Bitzer, Dorin, Frascold
› Copeland Digital scroll and Stream reciprocation compressors
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

General Description:

Compact air cooled condensing unit floor mounting, low noise, with semi hermetic compressors. Designed specifically for small capacity refrigeration applications in small and medium sized food stores (e.g. in bakeries and butchers), cold rooms, bottle coolers and display cabinets. All components can be accessed, allowing for quick and easy maintenance. The optimized compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes.

Standard characteristics:

› Semi-hermetic compressors
› Crankcase heater - Kriwan
› Curved condenser with 6-pole fan motor
› Electrical box with terminal strip
› Liquid receiver with safety pressure relief valve for PED units
› Liquid line filter dryer, liquid line sight glass
› Dual HP/LP adjustable switch with auto reset
› Suction vibration eliminator
› Frequency driver (only with Inverter option)
› Bitzer Varispeed compressor (only for Inverter option)
› Electrical box with running processor (only for Inverter)

Normal cooling

Condensing unit			GCU-E	1010B01	10150B01	2020B01	2022B01	2025B01	2030B01	2040B01	3050B01	3060B01	4090B01
Refrigeration capacity	0° C		W	2,786	3,189	4,248	5,133	5,943	7,334	9,596	1,1711	13,899	17,574
	-10° C		W	1,929	2,335	2,957	3,550	4,161	5,155	6,897	8,270	9,885	12,520
Power input			kW	0.98	1.15	1.5	1.5	1.5	2.15	2.87	3.4	4.2	5
COP 32°C (1)				2.14	2.09	2.36	2.43	2.35	2.4	2.39	2.42	2.35	2.48
COP 25°C (1)				2.51	2.43	2.83	2.84	2.75	2.8	2.81	2.83	2.74	2.89
COP 43°C (1)				1.66	1.66	1.81	1.92	1.86	1.89	1.87	1.9	1.85	1.94
SEPR(1)				-	-	-	-	-	3.37	3.39	3.32	3014	3.38
Annual Electricity Consumption(1)			Kwh/a	-	-	-	-	-	9,407	12,520	15,180	19,331	22,788
Dimensions	Unit	Height	mm	625	625	800	800	800	800	800	1480	1480	1480
		Width	mm	1150	1150	1400	1400	1400	1400	1400	1400	1400	1680
		Depth	mm	500	500	550	550	550	550	550	550	550	750
Condenser air flow			m^3/h	1,830	1,830	3,600	3,600	3,370	3,050	3,050	6,740	6,740	6,740
Compressor				Bitzer reciprocating compressor									
Refrigerant			Type/GWP	R-134a/1430									
Power supply			V/~/ Hz	400/3~/50									

Deep freezing

Condensing unit			HCU-B	1007B01	1010B01	1015B01	1020B01	2020B01	2030B01	2050B01	3060B01	4090B01	4120B01
Refrigeration capacity	-25° C		W	971	1,193	1,562	1,875	3,099	4,025	5,657	7,563	8,823	9,358
	-35° C		W	536	690	886	1,097	1,854	2,478	3,497	4,677	5,394	5,641
Power input			kW	0,54	0,68	0,8	1	1,39	1,88	2,62	3,47	3,81	3,92
COP 32°C (1)				0.98	1.02	1.09	1.1	1.33	1.32	1.33	1.35	1.42	1.44
COP 25°C (1)				1.15	1.2	1.27	1.29	1.53	1.52	1.53	1.55	1.61	1.62
COP 43°C (1)				0.68	0.68	0.75	0.74	1.05	1.04	1.07	1.07	1.16	1.04
SEPR(1)				-	-	-	-	-	1.73	1.75	1.8	1.83	1.79
Annual Electricity Consumption(1)			Kwh/a	-	-	-	-	-	10,695	14,882	19,427	21,964	23,562
Dimensions	Unit	Height	mm	625	625	625	625	800	800	800	1480	1480	1480
		Width	mm	1150	1150	1150	1150	1400	1400	1400	1400	1680	1680
		Depth	mm	500	500	500	500	550	550	550	550	750	750
Condenser air flow			m^3/h	1,830	1,830	1,830	1,830	3,600	3,600	3,050	7,200	6,740	6,740
Compressor				Bitzer reciprocating compressor									
Refrigerant			Type/GWP	R-449A/1397									
Power supply			V/~/ Hz	400/3~/50									

Other refrigerants, compressors and options availibal on request (1)Nominal operating conditions according to Ecodesign EN 13215: Ambient temperature 32°C/25°C/43°C, Evaporation temperature -10°C -35°C, 20°C suction gas temperature, Sub cooling 0K

Twin condensing unit for outdoor installation with twin-semi hermetic compressors

General features:

› Capacity for MT cooling: 8,5 kW to 26 kW
› Capacity for LT cooling: 7,5 kW to 12 kW
› Ambient temperature range : - 25°C - +43°C
› R134A a, R 449A, R448A, R452A R407F
› Reciprocating: Bitzer, Dorin, Frascold
› Copeland Digital scroll and Stream reciprocation compressors
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

General Description:

Compact air cooled condensing unit floor mounting, low noise, with hermetic compressors. Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets. All components can be accessed, making maintenance quick and easy.
The optimized compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes.


CU3


CU5

Standard characteristics:

› Two compressors parallel connected
› Level control oil system
› Curved condenser with 6-pole fan motor
› Electrical box with terminal strip
› Liquid receiver with safety pressure relief valve for PED units
› Liquid line filter dryer, liquid line sight glass
› Dual HP/LP adjustable switch with auto reset
› Suction vibration eliminator
› Electrical box with Running processor (only for Inverter)

Normal cooling

Condensing unit		GCU-E	4040L01	4060L01	4080L01	5120L01	5140L01	5180L01
Refrigeration capacity	0° C	W	11,900	15,200	19,200	27,800	30,400	36,400
	-10° C	W	8,328	10,596	13,800	19,783	21,249	25,694
Power input		kW	3.53	4.4	5.7	8.42	8.3	10
COP/EER (1)			2.4	2.4	2.4	2.3	2.6	2.6
SEPR(1)			3.52	3.6	3.71	3.55	3.75	3.8
Annual Electricity Consumption(1)		Kwh/a	14,526	18,098	22,905	24,299	34,808	41,562
Dimensions Unit	Height	mm	1480	1480	1480	1480	1480	1480
	Width	mm	1680	1680	1680	2405	2405	2405
	Depth	mm	750	750	750	750	750	750
Condenser air flow		m^3/h	7,800	7,800	7,300	15,600	15,600	14,600
Compressor			Bitzer reciprocating compressor					
Refrigerant		Type/GWP	R-134A/1430					
Power supply		V/~/ Hz	400/3~/50					

Deep freezing

Condensing unit		HCU-J	4080L01	4100L01	412L01
Refrigeration capacity	-25° C	W	9,400	11,100	13,600
	-35° C	W	5,732	6,725	8,904
Power input		kW	4.5	5.3	6.7
COP/EER (1)			1.3	1.3	1.3
SEPR(1)			1.78	1.8	1.83
Annual Electricity Consumption(1)		Kwh/a	23,949	27,806	36,214
Dimensions Unit	Height	mm	1480	1480	1480
	Width	mm	1680	1680	1680
	Depth	mm	750	750	750
Condenser air flow		m^3/h	7,600	7,900	7,300
Refrigerant		Type/GWP	R 407F/1825		
Power supply		V/~/ Hz	400/3~/50		

Other refrigerants, compressors and options availible on request. (1)Nominal operating conditions according to Ecodesign EN 13215: Ambient temperature 32°C, Evaporation temperature -10°C/ -35°C, 20°C suction gas temperature, Sub cooling 0K

Multi compressor condensing unit with scroll/digital scroll compressors

General features:

› Capacity for MT cooling: 10,5 kW to 102 kW
› Capacity for LT cooling: 7,5 kW to 48,5 kW
› Ambient temperature range : - 25°C - +43°C
› R134A a, R 449A, R448A, R452A R407F
› Copeland scroll and digital scroll compressors
Other types, brands and capacities are possible on request
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

Standard configuration:

Basic Frame Version:
Basic frame made from pre-painted steel sheet, with vertical condenser placed on 1 or 2 sides of the unit and fans (2, 3, 4, or 5) placed on frame top covering sheet.
The compressors are installed in a soundproof compartment separate from the condenser side, but allowing ventilation.
The compartment is simple soundproofing insulated (SMP).

Basic Refrigerating System:
The compressors (3 or 4) are connected in parallel, with one suction and discharge header. Each compressor is fitted with shut-off valves on suction line and discharge line.
The compressors are fixed to the frame through rubber anti-vibration supports.
The oil equalization system is composed of an oil separator and an equalization header, which are mounted on the compressor oil sight glass connection.
According to the number of compressors fitted, there are one or two oil level indicator/s, fitted onto the equalization header.
The refrigerating system is equipped with liquid receivers, if there is more than one receiver, the installation is made in parallel with a safety valve, a dehydration cartridge filter, interchangeable, liquid level alarm, liquid sight glass and shut-off valves.
On suction line there is a mechanical cartridge filter, interchangeable.



CM Scroll

The refrigeration system is fitted with:

› General high pressure switch, adjustable and autoresetting
› General low pressure switch, adjustable and autoresetting
› Emergency low pressure switch, adjustable and autoresetting
› Low pressure switches for each compressor emergency, adjustable and autoresetting
› Low pressure probe, placed on suction header for capacity control
› High pressure gauge
› Low pressure gauge

Standard electrical panel:

Standard power distribution
Disconnecting switch
Compressors protection, with overload cut-out motor protector; fuses for fans protection, thermo- contacts for each single fan.
Auxiliary circuit 230 volt through transformer 400V/230V
Electronic card XC440C
Four alarm signals: emergency (button + lamp, fans block, high pressure switch block, low pressure switch block.
Electronic speed regulator for condenser fan with pressure probe for three phase fans and with temperature probe for mono phase fans + bypass
The electrical panel is placed horizontally on the top front side of the unit, inside the panel sheets for frame 1, 2 and 3; greed, ventilation fan and double door for frames 4, 5, 6 and 7.

Multi compressor condensing unit with semi hermetic compressors

General features:

› Capacity for MT cooling: 48 kW to 150 kW
› Capacity for LT cooling: 20 kW to 85 kW
› Ambient temperature range : - 25°C - +43°C
› R134A a, R 449A, R448A, R452A R407F
› Reciprocating semi hermetic compressors: Bitzer, Dorin, Frascold, Copeland stream
Other types, brands and capacities are possible on request
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

General description:

Basic Frame Version:
Basic frame made from folded and painted steel sheet, screwed with bolts to make a basic structure to fix the components on it.

Basic Refrigerating System:
The compressors (3 or 4) are connected in parallel, with only one suction and discharge header. Each compressor is fitted with shut-off valves on suction line and discharge line.
The compressors are fixed to the frame through rubber anti-vibration supports.
Compressors used for low temperature are complete with fan heads.
The oil equalization system is composed of an oil separator and an equalization header, which are mounted on the compressor oil sight glass connection.
According to the number of compressors fitted, there is one or two oil level indicator/s, fitted onto the equalization header.
The refrigerating system is equipped with liquid receivers, if there is more than one receiver, the installation is made in parallel with a safety valve, a dehydration cartridge filter, interchangeable, liquid level alarm, liquid sight glass and shut-off valves.
On suction line there is a mechanical cartridge filter, interchangeable.



CM Semi hermetic

The refrigeration system is fitted with:

› General high pressure switch, adjustable and autoresetting
› General low pressure switch, adjustable and autoresetting
› Oil pressure switch for each compressor
› Emergency low pressure switch, adjustable and autoresetting
› Low pressure switches for each compressor emergency, adjustable and autoresetting
› Electronic speed regulator for condenser fan with pressure probe for three phase fans and with temperature probe for mono phase fans + bypass
› Low pressure probe, placed on suction header for capacity control
› High pressure gauge
› Low pressure gauge

Electrical panel:

Standard power distribution
Disconnecting switch
Compressors protection, with overload cut-out motor protector; fuses for fans protection, thermos contacts for each single fan
Auxiliary circuit 230 volt through transformer 400V/230V
Electronic card XC440C
IP55 with greed and ventilation fan
On the door there is the electronic card and 4 lamps: emergency (button + lamp), fans block, high pressure switch block, low pressure
Switch block, and selector for on/off compressors



ZEAS condensing unit for medium and low temperature refrigeration

Why choose ZEAS?

Whether it is restaurants, supermarkets or event halls – Zeas from Daikin is as individual as the requirements of the industries where it is used.

High energy efficiency

› Daikin DC inverter scroll compressor with economizer technology
› DC inverter fan technology
› Eco-design compliant

BENEFITS

› **Lower energy bills**
The use of Daikin proven DC technology results in lower energy bill compared to the use of standard ON/OFF units and even other capacity controller refrigeration units

› **Our units are future proof**
Combining Daikin innovating economizer technology with in house DC technology results in very high efficient units allowing us to outperformed the most severe eco-design minimum performance for the coming decades

Reliable operation

› Zeas condensing units are rigorously tested on the assembly line
› Proven inverter scroll technology
› Proven onboard innovating economizer technology
› Anti-corrosion treatment on the housing ensures long life even in extreme conditions

BENEFITS

› **Optimal food conservation**
Accurate temperature and humidity control can be easily suited to the requirements for different foods and beverages resulting in less of precious products

› **Longer lifetime expectation of our compressor**
Less thermal stress on our bearings and motor windings due to the implementation of Daikin High quality DC technology in our compressor

› **Longer lifetime expectations of our units**
The use of our innovating economizer technology in our units guarantee that our the compressor always operates within his operating envelop even in the most harvest conditions: excessive superheat at the inlet of the compressor resulting from improper quality of installation on the refrigerated cabinets side

› **No leaks**
Each new Daikin designed unit is put on a vibration plate in the factory to be sure that no leak and component damage can occur during transport. Even further, in the assemble line the Zeas unit undergo several leak test

› **No "dead on arrival"**
ALL units leaving the factory, have already run at the end of the assembly line

› **Lower installation cost**
Due to the use of the onboard economizer technology and the use of the correct low GWP refrigerant we only required the use of smaller pipes compared to other traditional systems, thus also lowered the refrigerant charge of the system



Small foot print and low weight

› Extremely compact and space-saving design
› Easy to install, even in the smallest spaces
› Indoor installation possible
› Best surface to capacity ration on the market
› Low weight thanks to compact design

Peace of mind

› Quiet operation, unobtrusive for customers and neighbours
  - High grade sound on panels and compressors
  - Condenser fans designed to limit the noise
  - 4 low noise operation settings including night mode
› Wide temperature range allows multiple cabinet, freezer and cold room combinations

Intelligent control

› Unit can be connected to third party monitoring system
› Remote control of target evaporation temperature, reset errors and other functions
› Refrigeration unit can be controlled remotely through a power full interface

BENEFITS

› **Only light weight supporting structures are required**

› **No installation restrictions anymore**
Our mini Zeas due to his compact design, light weight and very silent operation can be installed everywhere!

› **No special crane are required**
The ZEAS units are so compact that it can fit in an elevator

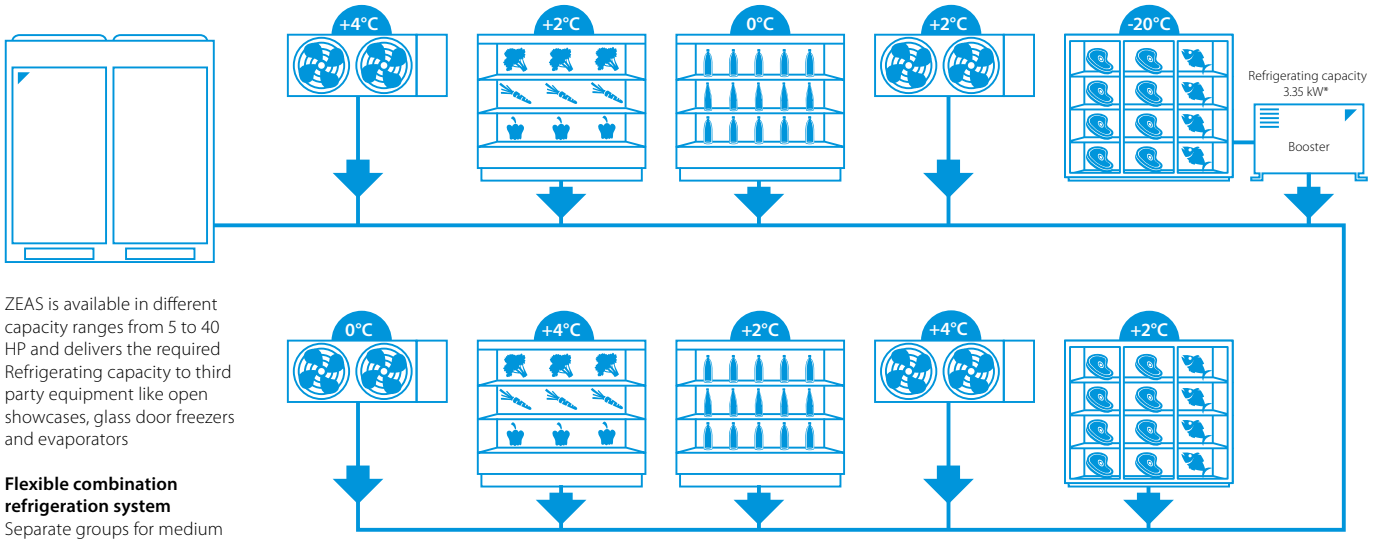
BENEFITS

› **Happy neighbours and no installation restrictions anymore**
The focus on sound criteria during the design of the units results in the most silent unit(s) of the market (till 25 dB(A) @ 10 m free field conditions)

BENEFITS

› **Quick installation and commissioning**
Advanced software solution for easy system configuration and commissioning
› **Peace of mind**
Easy monitoring of ZEAS unit by third party Building Management Systems through the use of our Modbus interface

ZEAS, the smart choice for medium and low temperature refrigeration



ZEAS is available in different capacity ranges from 5 to 40 HP and delivers the required Refrigerating capacity to third party equipment like open showcases, glass door freezers and evaporators

Flexible combination refrigeration system
Separate groups for medium and low temperature cooling, each with multiple cabinets and different temperatures. This flexibility and energy savings of up to 50% are only possible with ZEAS-systems.

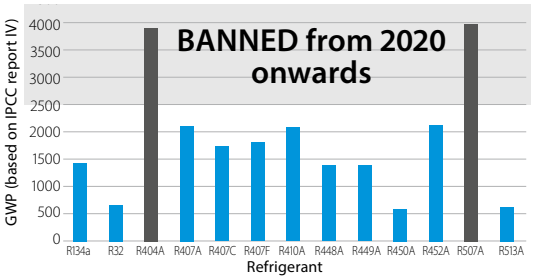
Operating range
Ambient temperatures: -20°C to +43 °C
Evaporating temperatures: -45°C to +10°C

* Te= -35°C, Tc = -10°C, 10 K SH, Tamb = 32°C
* Only Zeas. Not applicable for Mini-Zeas and Multi-Zeas

Why R410A?

R410A is a lower GWP refrigerant (less than 2500) than R404A and is fully F-gas compliant. It's future proof: it can be used even after 2030!

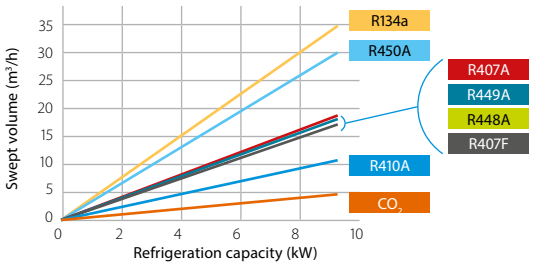
Use of refrigerant in refrigeration system with a refrigeration lower than 40 kW



Contributes to reducing installation cost and refrigerant charge

R410A is a high pressure refrigerant which for the same swept volume can deliver much more refrigeration capacity than standard mid pressure and low pressure refrigerants.

Delivered capacity per used refrigerant

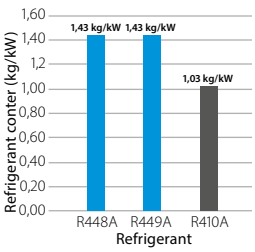


This means that for the same delivered refrigeration capacity we can use smaller main and linecomponents, thus reducing the installation cost and the amount of refrigerant charge in the system!

For a capacity of 8,4 kW (Te = -10°C / Tamb = 32°C)

Refrigerant	Suction piping diameter
R134a	1 1/8"
R407A	7/8"
R407F	7/8"
R448A	7/8"
R449A	7/8"
R450A	1 1/4"
R410A	3/4"
CO2	1/2"

Refrigerant charge per used refrigerant (Te = -10°C / Tamb = 32°C)



R410A is also:

- an easy to handle, common used refrigerant in the air conditioning world, therefore it is easy to find an installer which can work with this refrigerant, compared to CO_2, Ammonia and Propane.
- an A1 refrigerant, therefore no special safety measurements are required.

Mini-ZEAS condensing unit for commercial refrigeration with scroll technology

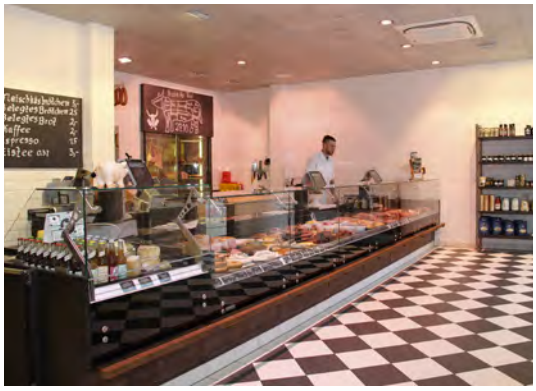
Refrigeration solution for small food retailers

- Inverter technology guarantees optimal food conservation by ensuring an accurate temperature and humidity control
- The economized scroll contributes to a longer lifetime expectation of the refrigeration equipment and less maintenance requirement
- The use of R-410A refrigerant allows the use of smaller pipping diameters, thus reducing the refrigerant content in the system helping to lower our CO2 footprint . R-410A is fully compliant with the latest F-Gas regulation and can be still used after 2020 and beyond
- The DC economized compressor improves drastically the efficiency of the unit, thus helps lowering the energy bill!
- Lowest sound level in the market down to 31 dBA. Sound level can be even further reduced thanks to the low noise modes
- The weight of the unit is very low, therefore the unit can even be mounted on the wall
- Up to 75% smaller than equivalent products in the market, ideal for those places where space is limited
- Advanced software solution for easy system configuration and commissioning



LRMEQ-BY1

Low temperature version coming soon!





Daikin technology increases the love for German Gourmet

DAIKIN's new Mini-ZEAS condensing unit is ensuring constant refrigeration in storage and production areas at the newly refurbished butcher shop, in mid west Germany. The key to maintaining the quality of the shop's fresh meat and deli products is to store them at constant temperatures, which is also legislatively required to be quality controlled at all times. DAIKIN's new Mini-ZEAS condensing unit, which is specially designed for small-scale commercial refrigeration applications, ensures exactly that. **Fleischeslust, Bensheim,Germany.**

Medium Temperature Refrigeration				LRMEQ-BY1	3	4
Connectable capacity	Minimum~Maximum			%	50~100	
Refrigerating capacity	Medium temp.	Nom.		kW	5.90 (1)	8.40 (1)
Power input	Medium temp.	Nom.		kW	2.53 (1)	3.65 (1)
COP	Medium temp.	Nom.			2.33 (1)	2.30 (1)
Seasonal energy performance ratio SEPR	R-410A	Te -10°C			4.17	4.08
Annual electricity consumption Q	R-410A	Te -10°C		kWh/a	8,698	12,651
Parameters at full load and ambient temp. 32°C (Point A)	R-410A	Te -10°C	Rated COP (COPA)		2.33	2.30
Parameters at full load and ambient temp. 43°C	R-410A	Te -10°C	Declared COP (COP3)		1.51	1.48
Dimensions	Unit	HeightxWidthxDepth		mm	1,345x900x320	
Weight	Unit			kg	126	
Heat exchanger	Type				Cross fin coil	
Compressor	Type				Hermetically sealed scroll compressor	
	Starting method				Direct on line (inverter driven)	
Fan	Type				Propeller	
	Quantity				2	
	Air flow rate	Cooling	Nom.	m^3/min	106	
Fan motor	Output			W	70	
	Drive				Direct drive	
Sound pressure level	Nom.			dBA	51 (2)	
Piping connections	Liquid	OD		mm	9,52	
	Gas	OD		mm	19.1	
Refrigerant	Type/GWP				R-410A/2,087.5	
	Charge			kg/TCO2Eq	4.50/9.39	
	Control				Electronic expansion valve	
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415	

(1)Cooling: evaporating temp. -10°C; outdoor temp. 32°C; suction SH10°C
(2)Sound pressure data: measured at 1m in front of unit, at 1.5m height

ZEAS condensing unit for commercial refrigeration with scroll technology

Refrigeration solution for medium to large capacity applications featuring proven VRV technology



LREQ-BY1(R)

- One model for all applications from -45°C to 10°C evaporating temperature
- Perfect solution for all cooling and freezing applications with variable load conditions and high energy efficiency requirements. In particular used in supermarkets, cold storage, blast coolers and freezers etc.
- DC inverter scroll compressor with economiser function results in high energy efficiency and reliable performance
- Reduced CO2 emissions thanks to the use of R-410A refrigerant and low energy consumption
- Factory tested and pre-programmed for quick and easy installation and commissioning
- VRV (Variable Refrigerant Volume) technology for flexible application range
- Increased installation flexibility thanks to limited dimensions
- Low sound level including „night mode" operation
- For small freezing capacity, single ZEAS units can be connected to a booster unit
- Dedicated unit to allow multi combination of 2 x 15 HP or 2 x 20 HP resulting in less pipework or installation time

					LREQ-BY1	5	6	8	10	12	15	20
Refrigerating capacity	Low temperature		Nom.		kW	5,51 (1)	6,51 (1)	8,33 (1)	10,0 (1)	10,7 (1)	13,9 (1)	15,4 (1)
	Medium temperature		Nom.		kW	12,5 (2)	15,2 (2)	19,8 (2)	23,8 (2)	26,5 (2)	33,9 (2)	37,9 (2)
Power input	Low temperature		Nom.		kW	4,65 (1)	5,88 (1)	7,72 (1)	9,27 (1)	9,89 (1)	12,8 (1)	14,1 (1)
	Medium temperature		Nom.		kW	5,10 (2)	6,56 (2)	8,76 (2)	10,6 (2)	12,0 (2)	15,2 (2)	17,0 (2)
Seasonal energy performance ratio SEPR	R-410A		Te -10°C			3,86	3,79	3,64	3,42	3,51	3,38	3,23
			Te -35°C			1,80	1,77	1,84	1,88	1,80	1,70	1,70
Annual electricity consumption Q	R-410A		Te -10°C		kWh/a	19.907	24.681	33.483	42.794	46.377	61.683	72.030
			Te -35°C		kWh/a	22.805	27.453	33.817	39.747	44.363	61.090	67.325
Parameters at full load and ambient temp. 32°C (Point A)	R-410A		Te -10°C	Rated COP (COPA)		2,45	2,32	2,26	2,25	2,21	2,23	
			Te -35°C	Rated COP (COPA)		1,18	1,11		1,08		1,09	
Parameters at full load and ambient temp. 43°C	R-410A		Te -10°C	Declared COP (COP3)		1,54	1,57	1,40	1,46	1,47	1,46	1,51
			Te -35°C	Declared COP (COP3)		0,76	0,74	0,68	0,70	0,71		0,74
Dimensions	Unit		Height		mm	1.680						
			Width		mm	635		930			1.240	
			Depth		mm	765						
Weight	Unit				kg	166		242			331	337
Heat exchanger	Type					Cross fin coil						
Compressor	Type					Hermetically sealed scroll compressor						
	Output				W	2.600	3.200	2.100	3.000	3.400	2.600	3.400
	Piston displacement				m^3/h	11,18	13,85	19,68	23,36	25,27	32,24	35,8
	Speed				rpm	5.280	6.540	4.320	6.060	6.960	5.280	6.960
	Starting method					Direct on line (inverter driven)						
Compressor 2	Output				W	-		3.600				
	Speed				rpm	-		2.900				
Compressor 3	Output				W	-					3.600	
	Speed				rpm	-					2.900	
Fan	Type					Propeller fan						
	Quantity					1					2	
	Air flow rate	Cooling	Nom.		m^3/min	95	102	171	179	191	230	240
Fan motor	Output				W	350		750			350	750
	Drive					Direct drive						
Fan motor 2	Output				W	-					350	750
Sound pressure level	Nom.				dBA	55,0 (3)	56,0 (3)	57,0 (3)	59,0 (3)	61,0 (3)	62,0 (3)	63,0 (3)
Operation range	Evaporator	Cooling	Max.~Min.		°CDB	10~-45						
Refrigerant	Type / GWP					R-410A / 2.087,5						
	Charge				kg	5,2		7,9			11,5	
					TCO_2eq	10,9		16,5			24,0	
	Control					Electronic expansion valve						
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/380-415						

				LREQ-BY1	30	40
System	Outdoor unit module 1				LREQ15BY1R	LREQ20BY1R
	Outdoor unit module 2				LREQ15BY1R	LREQ20BY1R
Refrigerating capacity	Medium temperature	Nom.		kW	67,8 (1)	75,8 (1)
	Low temperature	Nom.		kW	27,8	29,6
Power input	Medium temperature	Nom.		kW	30,4	34,0
	Low temperature	Nom.		kW	25,6	27,6
Sound pressure level	Nom.			dBA	65,0	66,0
Piping connections	Liquid				ø 19,05	
	Gas				ø 41,28	

(1) Cooling: evaporating temp. -10°C; outdoor temp. 32°C; suction SH10°C (2) Cooling: evaporating temp. -35°C; outdoor temp. 32°C; suction SH10°C (3) Sound pressure data: measured at 1m in front of unit, at 1.5m height | RLA is based on following conditions: outdoor temp. 32°CDB; suction SH 10°C; saturated temperature equivalent to suction pressure -10°C


Cleaners

Zanotti Condensing units with CO_2 refrigerant



Coming soon

Standard Condensing units

Standard condensing units with transcritical cycle

- Chassis in galvanized and painted steel sheet. Bodyworking and soundproofing available
- High modular concept.
- The gascooler can be disconnected from the unit
- Electrical board with all the necessary electronics for the operation of the unit
- 1 MT compressor
- (Optional) Frequency drive
- All piping done in stainless steel
- Multiple options possible to facilitate transport of the unit
- All necessary safety devices
- 3 air exit configurations
- Reduced dimensions
- Easy to transport
- Until 6 assembly options



F-Gas Free

Switchboard

Plug&Play

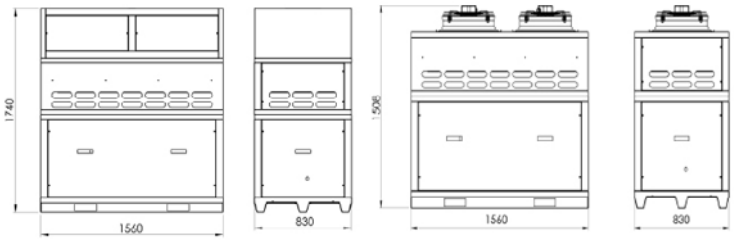
Electronic Control

Proportional Modulation

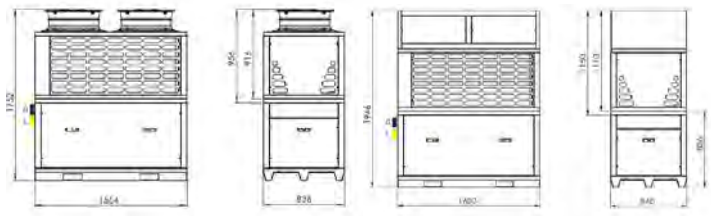
Heating Interchanger (Optional)

Protective Case

FNV42



FNV58



☑ MT — 1 comp.

FC17 832 mm	7 kW	9 kW
FNV42 1.560 mm	18 kW	22 kW
FNV58 1.560 mm	38 kW	45kW

Conditions: LT: Tev.: -35°C SH: 8°K
MT: Tev.: -10°C SH: 8°K
Clime: Tev. med: 5°C SH: 8°K

LT MT Clime Global MSC Mechanical subcooler PC Parallel compressor Heating interchanger Axial Radial

Small Booster Condensing units



Small condensing units with Transcritical cycle

- Gas cooler with Axial or Radial EC fans.
- Air connection:Three different configurations
- V-shaped gas cooler optimized for CO2 applications
- Compressor configuration:
  CU: 1 x MT
  Racks: 1 x MT + 1 x LT/2xMT
- Racks Standard delivery:
  Inverter: 1x MT and 1x LT compressor
  CU: inverter optional
- High safety level with pressure relief valves, pressure switches and intelligent controls
- Stainless steel Piping
- Galvanized and painted sheet metal chassis and weather proof enclosure.
- Optional: acoustic insulation
- Electrical Panel including electronic controller and control panel
- Modular concept - The gascooler can be disassembled from the unit and assembled in different configurations
- Reduced dimensions
- Easy to transport
- Until 6 assembly options

F-Gas Free

Switchboard

Plug&Play

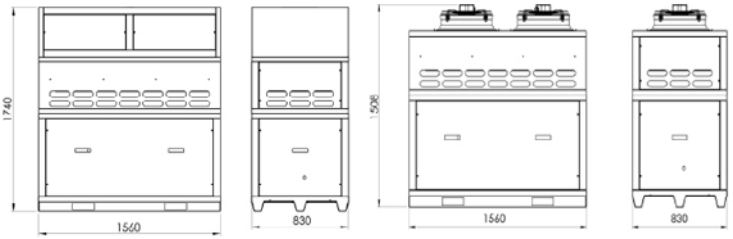
Electronic Control

Proportional Modulation

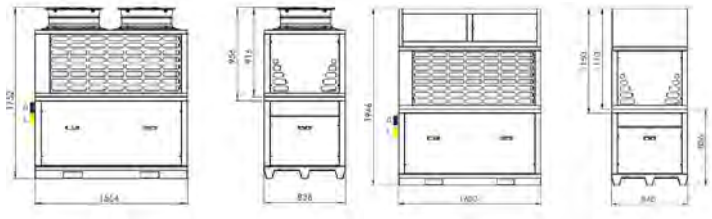
Heating Interchanger (Optional)

Protective Case

FNV42



FNV58



☑ MT
☑ MT + LT

2 comp.
1+1 2+1

FNV42 1.560 mm	8 kW	
	18 kW	
	22 kW	
FNV58 1.560 mm	10 kW	
	40 kW	
	45 kW	

Conditions: LT: Tev.: -35°C SH: 8°K
MT: Tev.: -10°C SH: 8°K
Clime: Tev. med: 5°C SH: 8°K

LT MT Clime Global

MSC Mechanical subcooler

PC Parallel compressor

Heating interchanger

Axial

Radial

Large Booster Condensing units

Large condensing units with Transcritical cycle

- Gas cooler with Axial or Radial EC fans.
- Air connection: Three different configurations
- (Optional) Heat recovery heat exchanger to take advantage of the "free heat" for air conditioning or for sanitary application
- Galvanized and painted sheet metal chassis and weather proof enclosure.
- Optional: acoustic insolation
- Large liquid receiver
- All piping done in stainless steel
- Design adapted for loading and transportation
- (Optional) Parallel compressor(s) to improve further the efficiency of the unit. Only for FCZ range where more than 2 compressor(s) can be used
- Compressor configuration Bitzer/Dorin:
  MT compressor(s)
  Possibility to have combination of MT and LT compressor
- Racks Standard delivery:
  Inverter: 1x MT and 1x LT
- Electrical Panel including electronic controller and control panel



- High safety level with pressure relief valves, pressure switches and intelligent controls
- Visible panel of manometers and pressostats
- High modular concept.
- The gascooler can be disconnected from the unit

F-GAS F-Gas Free

Electronic Control

Proportional Modulation

Heating Interchanger (Optional)

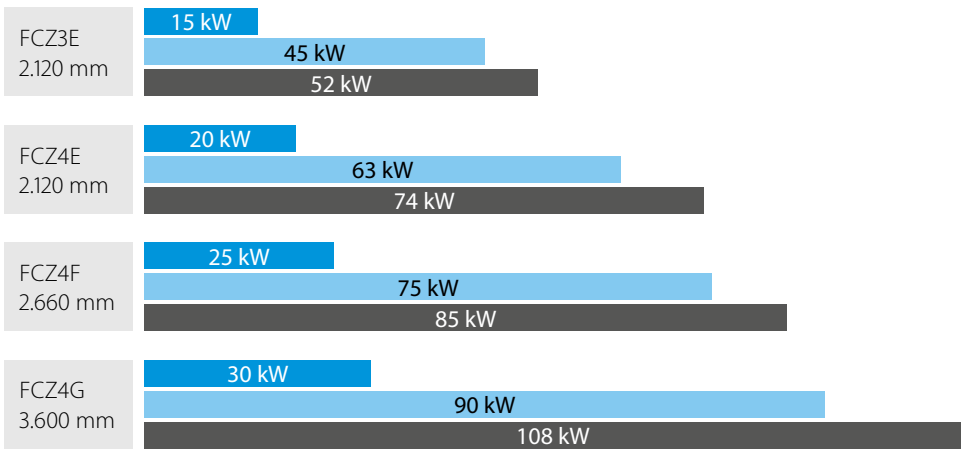
Protective Case

PC Parallel compressors (Optional)

Switchboard

MSC Mechanical Subcooler (Optional)

☑ MT 3 4 comp.
☑ MT + LT 2+1 3+1 3+2 4+1



Conditions: LT: Tev.: -35°C SH: 8°K
MT: Tev.: -10°C SH: 8°K
Clime: Tev. med: 5°C SH: 8°K

LT MT Clime Global MSC Mechanical subcooler PC Parallel compressor Heating interchanger Axial Radial



Compressor packs & racks

Compressor packs & racks

Freezing (Low temperature) (-20° C)

Chilling (Medium temperature) (0° C)

Model	Product name	Capacity (kW)	0	2	5	10	25	50	100	150	300	450	500
	CC Series												
Racks	Mini racks - FNB Compressor racks - FCCE Duplex racks - FUF, FUG, FUH, FUJ												

Compressor packs & racks

Multi compressor units

- ☑ Open frame for multi-compressors racks
- ☑ Three or four compressors on parallel
- ☑ Many different compressor types
  - › Hermetic
  - › Hermetic Scroll (Brand : Copeland)
  - › Semihermetic reciprocating (Brand: Bitzer, Dorin, Copeland Stream & Frascold)
  - › Screw (Brand: J&E Hall (single screw) and Bitzer (twin screw)
    - • Larger Refrigeration capacities or solution with screw compressors has to be selected from our technical department.
    - • Consist in many models for medium and low temperature, with a refrigeration capacity up to 900,000 Watt.
- ☑ Compatible with latest refrigerants*



Standard features

- › Metal open frame with electrical switchboard
- › Compressor parallel with discharge and suction header
- › Liquid receiver
- › Liquid line
- › High and low pressure switch
- › Electrical switchboard complete with electronic control

Most common used options:

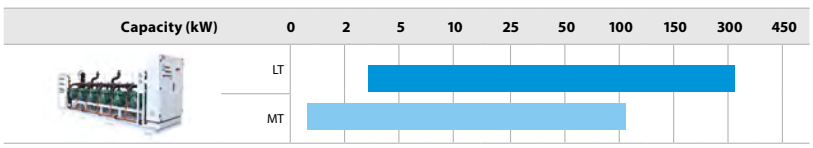
- › Panels to close the frame and put it outside
- › Oil equalization through mechanical floating valve
- › Oil equalization through electronic valve
- › Oversized liquid receiver
- › Refrigerant charge

Other options available on request

*Note: Selection from Selection software based on R404A, R134a and R407F

Single Screw compressor

The single screw compressor consists of a main single screw and two gate rotors. They are designed for high capacities and optimal performances through the step less capacity control.



Multi compressors rack unit with Scroll/Digital scroll and hermetic reciprocating compressors



CC scroll



CC hermetic

General features:

› Capacity for MT cooling: 7,2 kW to 26 kW
› Capacity for LT cooling: 6,6 kW to 12 kW
› Ambient temperature range : - 25°C - +43°C
› R134A a, R 449A, R448A, R452A R407F depending on the used compressor
› Copeland scroll/digital scroll, Tecumseh and Maneurop reciprocation hermetic compressors
Other types, brands and capacities are possible upon request
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

Standard configuration:

Basic Frame Version:
Basic frame made from folded and pre-painted steel sheet, with complete closed frame with simple sound proof material and anti-vibration
Supports (CC Standard)

Basic Refrigerating System:
The compressors (3 or 4) are connected in parallel, with one suction and discharge header. Each compressor is fitted with shut-off valves on suction line and discharge line.
The compressors are fixed to the frame through rubber anti-vibration supports.
The oil equalization system is composed of an oil separator and an equalization header, which are mounted on the compressor oil sight glass connection.
According to the number of compressors fitted, there is one or two oil level indicator/s, fitted onto the equalization header.
The refrigerating system is equipped with liquid receivers, if there is more than one receiver, the installation is made in parallel with a safety valve, a dehydration cartridge filter, interchangeable, liquid level alarm, liquid sight glass and shut-off valves.
On suction line there is a mechanical cartridge filter, interchangeable.

The refrigerating system is fitted with:

› General high pressure switch, adjustable and auto-resetting
› General low pressure switch, adjustable and auto-resetting
› Emergency low pressure switch, adjustable and auto-resetting
› Low pressure switches for each compressor emergency, adjustable and auto-resetting
› High pressure switches to control condenser fans, adjustable and auto-resetting
› Low pressure probe, placed on suction header for capacity control
› High pressure gauge
› Low pressure gauge
› With or without integrated condenser

Electrical panel:

Standard power distribution
Disconnecting switch
Compressors protection, with overload cut-out motor protector; fuses for fans protection, thermo contacts for each single fan
Auxiliary circuit 230 volt through transformer 400V/230V
Electronic card XC440C
IP55 with greed and ventilation fan
On the door there is the electronic card and 4 lamps: emergency (button + lamp), fans block, high pressure switch block, low pressure
Switch block, and selector for on/off compressors.
Condensation control through pressure switches: 1 pressure switch every 2 fans, standard 2 pressures

Accessories:

INSRD	Closed frame with double layer sound proofing material
AC&R	Mechanical oil equalization system with oil reserve, oil line filter, pressure reduction valve onto oil reserve
TRAXOIL	Electronic oil distribution system
INSRD	Closed frame with double layer sound proofing material

RIC. LIQ.	Oversized liquid receiver
CFF	Compressors sound shell
ELC.C	Electronic card EWCM4180 - XC1000D – EWCM9100
FQD	Frequency driver

Other additional equipment and special requirements on request

Multi compressor rack unit with semi hermetic compressors

General features:

› Capacity for MT cooling: 25 kW to 320 kW
› Capacity for LT cooling: 13 kW to 133 kW
› Ambient temperature range : - 25°C - +43°C
› R134A a, R 449A, R448A, R452A R407F
› Reciprocating semi hermetic compressors: Bitzer, Dorin, Frascold, Copeland stream
Other types, brands and capacities are possible on request
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

Standard configuration:

Basic Frame Version:
Basic frame made from folded and painted steel sheet, screwed with bolts to make a basic structure to fix the components on it.

Basic Refrigerating System:
The compressors (3 or 4) are connected in parallel, with only one suction and discharge header. Each compressor is fitted with shut-off valves on suction line and discharge line.
The compressors are fixed to the frame through rubber anti-vibration supports.
Compressors used for low temperature are complete with fan heads.
The oil equalization system is composed of an oil separator and an equalization header, which are mounted on the compressor oil sight glass connection.
According to the number of compressors fitted, there is one or two oil level indicator/s, fitted onto the equalization header.
The refrigerating system is equipped with liquid receivers, if there is more than one receiver, the installation is made in parallel with a safety valve, a dehydration cartridge filter, interchangeable, liquid level alarm, liquid sight glass and shut-off valves.
On suction line there is a mechanical cartridge filter, interchangeable.



CC Semi hermetic

The refrigerating system is fitted with:

› General high pressure switch, adjustable and auto-resetting
› General low pressure switch, adjustable and auto-resetting
› Oil pressure switch for each compressor
› Emergency low pressure switch, adjustable and auto-resetting
› Low pressure switches for each compressor emergency, adjustable and auto-resetting
› High pressure switches to control condenser fans, adjustable and auto-resetting (the pressure switches control 2 fans; if there are more than 4 condenser fans, the quantity of pressure switches installed increases to a maximum of 4)
› Low pressure probe, placed on suction header for capacity control
› High pressure gauge
› Low pressure gauge

Electrical panel:

Standard power distribution
Disconnecting switch
Compressors protection, with overload cut-out motor protector, fuses for fans protection, thermos contacts for each single fan
Auxiliary circuit 230 volt through transformer 400V/230V
Electronic card XC440C
IP55 with greed and ventilation fan
On the door there is the electronic card and 4 lamps : emergency (button + lamp), fans block, high pressure switch block, low pressure
Switch block, and selector for on/off compressors
Condensation control through pressure switches: 1 pressure switch every 2 fans, standard

Accessories:

INSRD	Closed frame with double layer sound proofing material
AC&R	Mechanical oil equalization system with oil reserve, oil line filter, pressure reduction valve onto oil reserve
TRAXOIL	Electronic oil distribution system
INSRD	Closed frame with double layer sound proofing material
CFF	Compressors sound shell
FQD	Frequency driver

RIC. LIQ.	Oversized liquid receiver
FREON	Refrigerant charge
ELC.C	Electronic card EWCM4180 - XC1000D – EWCM9100
CR1	CR1 Capacity controller
CR2	CR2 Capacity controller
CAP	Capacity step controled compressors

Other additional equipment and special requirements on request

The final leap towards natural refrigeration

Power and compressors

The compression sets are made up of 2 to 4 compressors except in the case of parallel compression, which adds up to 2 specific compressors.

BT

FULL SERIES 10 kW - 60 kW

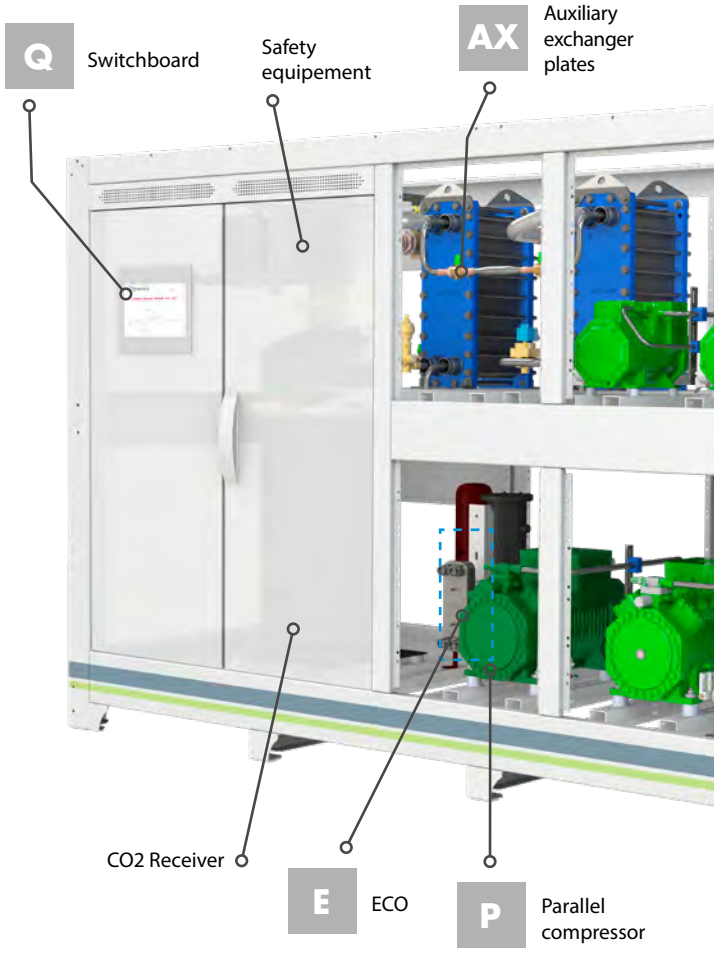
MT

10 kW **FULL BT** 110 kW
Transcritical booster

20 kW **FULL BPT** 210 kW
Traditional booster with parallel compression

15 kW **FULL BC** 190 kW
Booster with condensation assistant

30 kW **FULL BPC** 240 kW
Subcritical booster with parallel compression



Efficiency improvement by modulation

One frequency inverter for each compression group adapts its function parameters to the system cooling necessities continuously saving energy and extending the service life of the machine.

Chassis



FullCO$_2$ models are available in sheet metal chassis, accesible 360º with option of housing and acoustic insulation.

Plug & play

The units are prepared for a very agile start-up at a mechanical and electronic level, with built-in electric panel.

Technology for Everyone

EASY MAINTENANCE

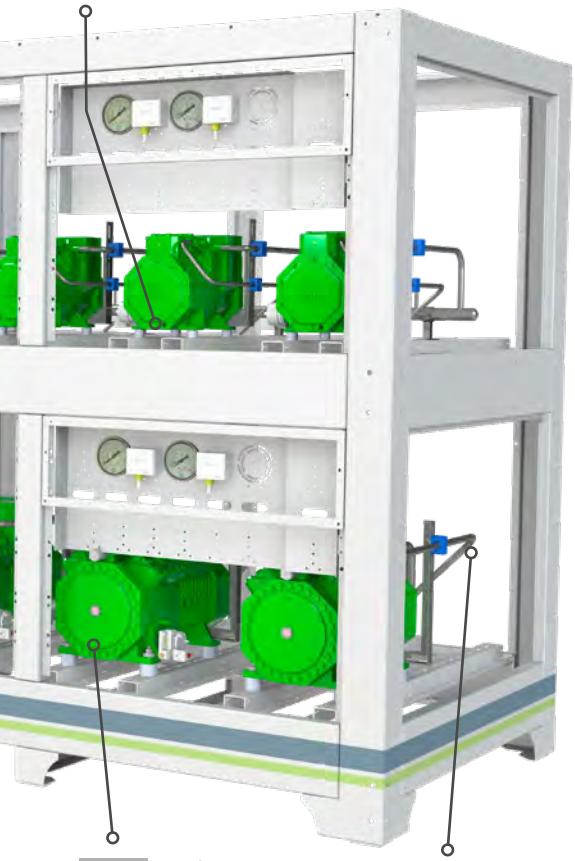
Automation and operation of the system are made with open technology standards. Thus the customer does not depend on a single manufacturer or installer, which decreases maintenance and repair costs.

Double safety

double safety

Several components have been designed to perform a second function in case of failure avoiding the system shutdown.

FULL CO_2



BT **Low temperature group**
Covers freezing needs. Equipped with oil system, gas cooler connections and all necessary protection and safety elements.

MT **Medium temperature group**
It covers the refrigeration needs and allows the operation of the BT group. Equipped with oil system, gas cooler connections and all necessary protection and safety elements. Includes CO_2 receiver.

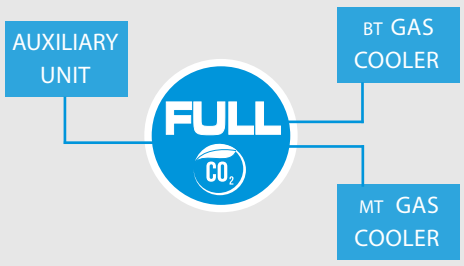
AX **Auxiliary exchanger plates**
They keep the plant at its optimum operating point when ambient temperatures are high.

P **Parallel compressor**
The efficiency of the system is considerably increased.

E **Economizer**
Increases the efficiency of the system by making the MT compressors give part of their power to the BT group.

Q **Switchboard**
Integrated and easy to use via touch screen, it displays an exclusive control software.

Full CO_2 general scheme



Retrofit & external condensation

Our system offers the possibility to take advantage of an existing machine using it in ancillary functions and also, recover a large amount of gas, with the consequent savings.

FullBC & FullBPC models allow to assist the condensation of the CO_2 booster in different ways:

› Using an already present unit (Retrofit).
› Partially using equipment from another service such as air conditioning.
› Installing a specific equipment recommended by Tewis.

Small Racks

Small transcritical units without condenser

- Small dimensions: 1600 x 840 x 840 mm
- Easy transportation
- Complete switchboard with protections, according to European legislation
- Switchboard includes an advanced control software to manage all the electrical and electronic switches of the machine
- 2 compressors
- Safety mode: In case of anomalous increase in temperature or pressure in the liquid zone, the safety equipment is activated by stabilizing the CO2 pressure. The equipment is designed to take
- Proportional modulation: A frequency inverter in each group of compressors adapts its operation to the specific demand of each moment, saving energy and prolonging the life of the plant. the current of a generator set and works even during a power cut.
- Heat recovery (optional) which allows to take advantage of the heat generated by the system discharge for air conditioning or ACS.



F-Gas Free

Switchboard

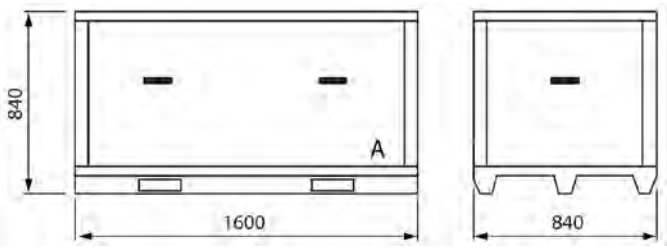
Plug&Play

Electronic Control

Proportional Modulation

Heating Interchanger (Optional)

Protective Case



☑ MT — 1 — 2 comp.
☑ MT + LT — 2+1

FNB 1.560 mm	10 kW	
	40 kW	
	45 kW	

Conditions: LT: Tev.: -35°C SH: 8°K
MT: Tev.: -10°C SH: 8°K
Clime: Tev. med: 5°C SH: 8°K

LT MT Clime Global — MSC Mechanical subcooler — PC Parallel compressor — Heating interchanger

Medium Racks

Transcritical units without condenser

- Adapted design for loading and transportation
- Integrated switchboard. Easy to use via touch screen and displays an exclusive control software
- Heat recovery (optional) which allows to take advantage of the heat generated by the system discharge for air conditioning or ACS.
- Parallel compressor (optional).
- The parallel compression includes one or two compressors that extract steam from the accumulation tank, lightening the load of the rest of the compressors and improving their efficiency index.
- Possibility of incorporating up to 4 compressors
- Proportional modulation: A frequency inverter in each group of compressors adapts its operation to the specific demand of each moment, saving energy and prolonging the life of the plant.
- Mechanical subcooler exchanger, connected to an auxiliary unit that cools the discharge of the transcritical fluid, reducing steam and increasing the efficiency of the system



F-Gas Free

Plug&Play

Proportional Modulation

Protective Case

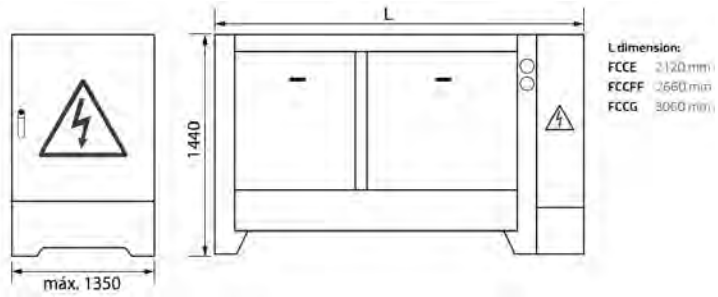
Switchboard

Electronic Control

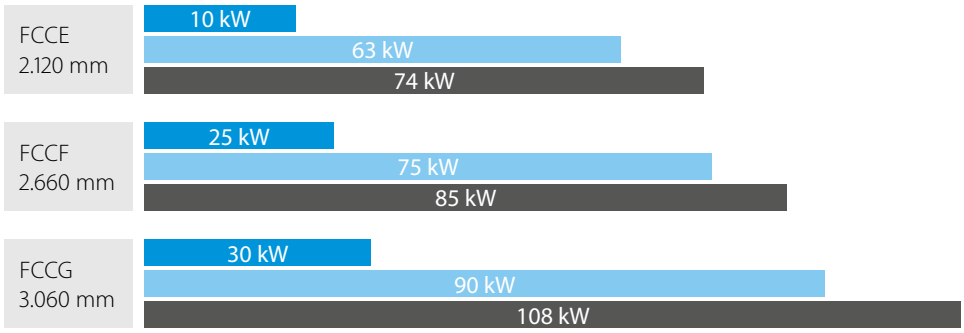
Heating Interchanger (Optional)

Parallel compressors (Optional)

Mechanical Subcooler (Optional)



☑ MT	2	3	4	5 comp.
☑ MT + LT	2+1	3+1	3+2	4+1



Conditions: LT: Tev.: -35°C SH: 8°K
MT: Tev.: -10°C SH: 8°K
Clime: Tev. med: 5°C SH: 8°K

LT MT Clime Global MSC Mechanical subcooler PC Parallel compressor Heating interchanger

Large Racks

Transcritical double units without condenser

- Integrated switchboard. Easy to use via touch screen and displays an exclusive control software (see next page)
- Parallel compressors (optional), which increase considerably the efficiency of the system
- Possibility of incorporating up to 9 compressors
- Low and Medium temperature compressors
- Economizer: Increases the efficiency of the system by making the MT compressors give part of their power to the LT compressors group.
- Proportional modulation: A frequency inverter in each group of compressors adapts its operation to the specific demand of each moment, saving energy and prolonging the life of the plant.
- Mechanical subcooler exchanger, connected to an auxiliary unit that cools the discharge of the transcritical fluid, reducing steam and increasing the efficiency of the system
- Stainless steel in 100% of the pipes



F-Gas Free

Protective Case

Heating Interchanger (Optional)

Plug&Play

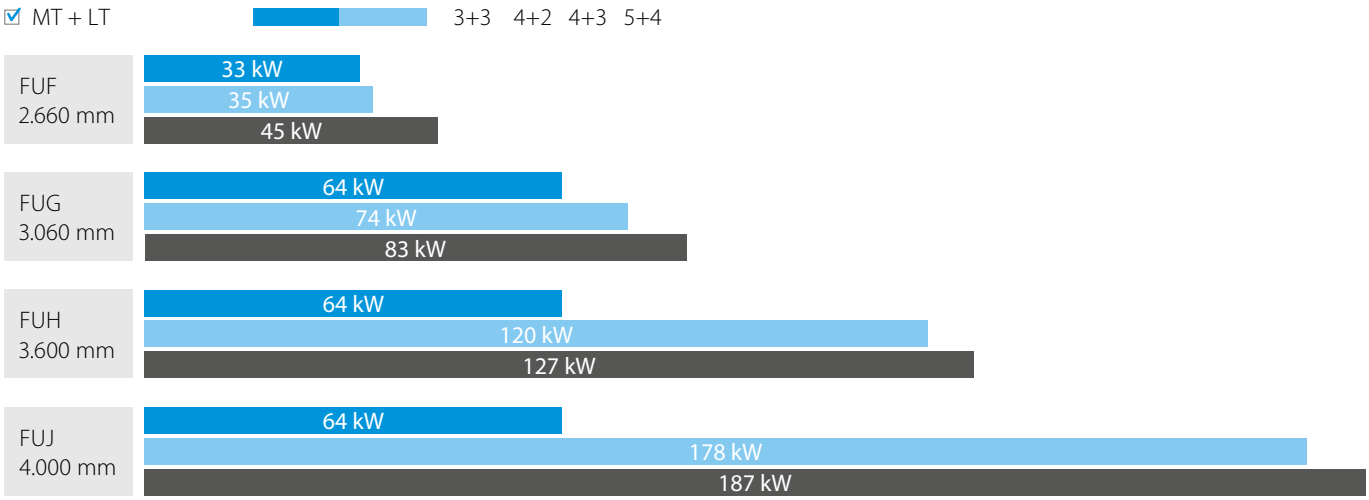
Switchboard

Parallel compressors (Optional)

Proportional Modulation

Electronic Control

Mechanical Subcooler (Optional)



Conditions: LT: Tev.: -35°C SH: 8°K
MT: Tev.: -10°C SH: 8°K
Clime: Tev. med: 5°C SH: 8°K

LT MT Clime Global MSC Mechanical subcooler PC Parallel compressor Heating interchanger

Switchboard & electronic control

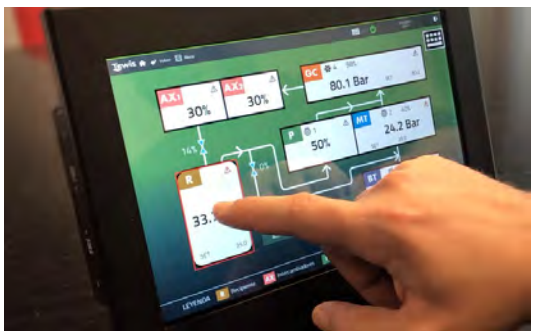
Switchboard

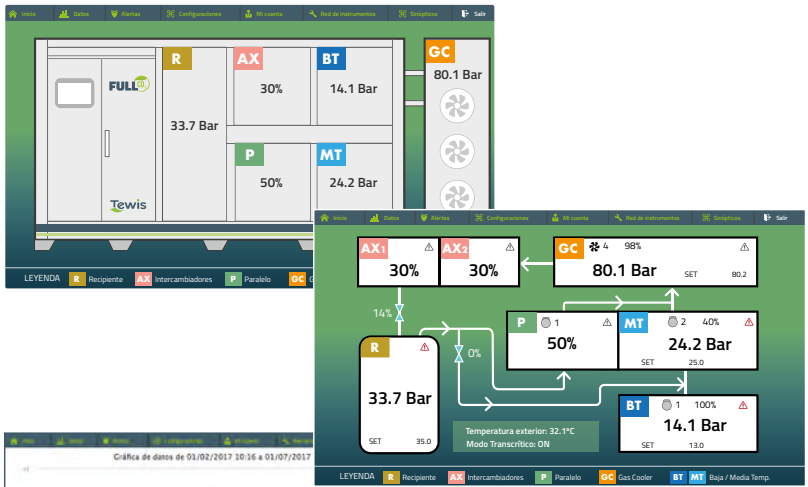
- Bench-mounted switchboard, including complete wiring.
- Power supply at 400V / 3F + N / 50Hz
- Frequency inverter in the first compressor in sections BT, MT and parallel
- Booster components and remote gas coolers electrically protected against overcurrents and short circuits.
- Option: electrical connections of power supply to the auxiliary unit



Electronic control

- It represents the best option for transcritical and subcritical CO_2 solutions with Booster circuit and allows to manage up to two circuits for the recovery of heat.
- Televis System compatible and open for the integration of Modbus RTU / TCP or BACnet MS / TP (optional) systems.
- Touch screen with synoptic and real-time data.
- Data logging and alarms.
- Historical charts and data tables.
- Parameter management.









Integrated solutions

Freezing (Low temperature) (-20°C / +35°C)

Chilling (Medium temperature) (0°C / +35°C)

Cooling/AC (High Temperature) (+20°C/+10°C)

Heating

Model	Product name	Capacity (kW)	0	2	5	10	25	50	100	150	300	450
Integrated solution for chilling, freezing, comfort cooling and heating	Conveni-Pack LRYEQ-AY											
	Mini racks, Racks, Duplex											

Service station (Ranst, Belgium) Conveni-Pack

Discover why a Belgian petrol station owner chose Daikin for its shop comfort and refrigeration needs.
www.youtube.com/DaikinEurope



Conveni-Pack,

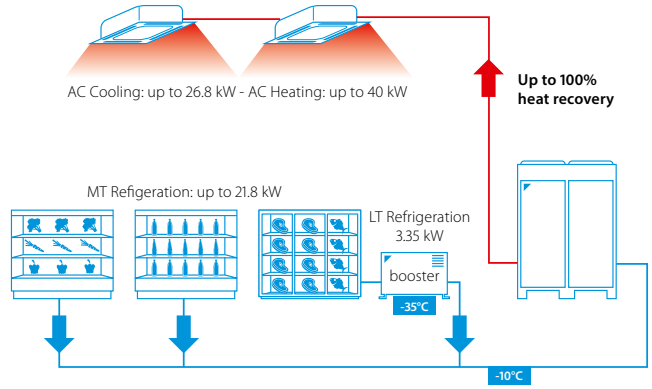
integrated solution for commercial refrigeration, heating and air conditioning

Why choose Conveni-Pack?

Competition in the retail food sector is fierce. This does not just affect the income you can earn from sales - operating costs are also a determing factor for success.

Energy efficient heat recovery system

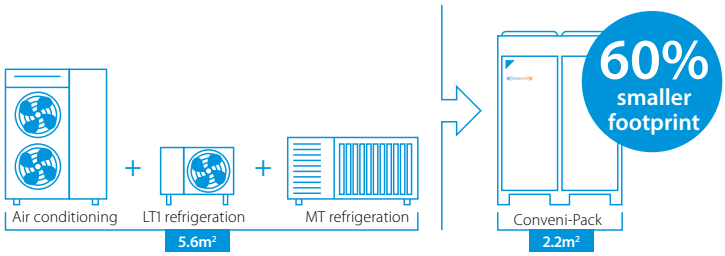
- Conveni-Pack recovers up to 100% of the heat extracted from supermarket refrigeration cases and re-uses it to heat the retail space and improve shop comfort at no additional cost (heat recovery system)
- Savings of up to 50% on energy costs
- Daikin inverter scroll compressor with economizer technology



Above-mentioned scheme is an example of what can be delivered depending on predefined conditions.
For more detailed information, please consult the technical specifications in this catalogue.

Installing a compact solution

- Easy to install, even in small spaces
- Small footprint (up to 60% smaller footprint than conventional systems) and low weight
- Reduced piping requirements
- Minimal planning groundwork and lower assembly costs



Unique combination

- First mass-produced, whole-building system to combine medium and low refrigeration, heating, air conditioning in one circuit

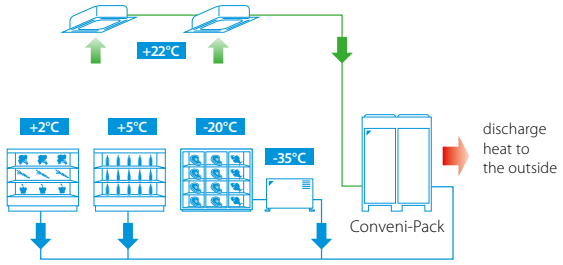
Reliable operation

- Error-proof component selection
- Factory leak-tested and pre-charged

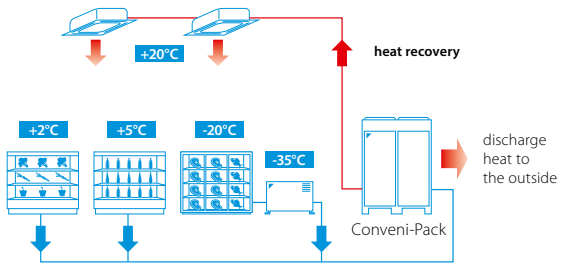
Year-round climate comfort

- Quiet operation : Improved acoustics thanks to night operation mode, inverter control and inverter driven fans with optimised blades and grills
- High grade sound insulation on both panels and compressors
- Specially designed fan blades to limit sound emissions
- 4 low sound operation settings including night mode
- The heat recovered from refrigerated and freezer display cabinets can be used to provide heating for the shop.

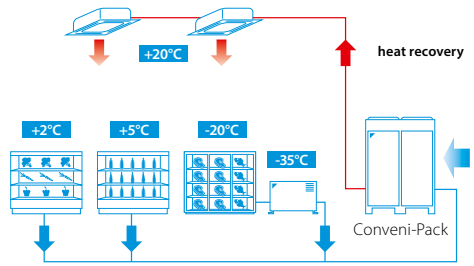
Summer



Spring/Autumn



Winter



If available heat from the cabinet is not sufficient to fulfill the demand from the shop, the outdoor unit will also operate as a heat pump system.

Internationally awarded

Winner of several awards* thanks to the innovating technology used and environmental friendly solution offered:

- Winner of UK Environmental Product of the Year, Cooling Industry Awards - 2006
- Winner of Incentive Prize, German Environment Ministry - 2007
- Winner of the Innovation Trophy, equipmag (exhibition in France) - 2008
- Winner of 2014 Institute of Refrigeration Ireland (IRI) Environmental award
- Environmental Friendliness category of the Top Retail Product Awards 2014 in Germany

Reference

Edeka Buschkühle supermarket (Germany)
2 Conveni-Pack systems supply 32 meters of service counters, 12.5 meters of convenience fridges, one cooling storage room for fruit, an air curtain and 5 indoor units; the ZEAS system supplies two deep-freeze cabinets with a total capacity of 5 kW.



Discover more references on
www.daikineurope.com/references

Benefits for installers/consultants

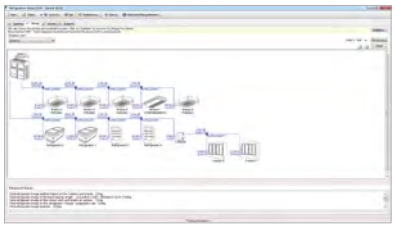
- Integrated electrical & control box
- Unit already pre-charged with refrigerant
- Established VRV technology ensuring optimised installation and maintenance
- Reduced delivery time thanks to European manufacturing plant
- Flexible system for multiple applications
- Connectable to all grocery refrigeration applications and supplied with a wide range of air conditioning indoor units to meet shop requirements
- Outdoor units can be positioned up to 35m above or 10m below the indoor units
- Piping length possible up to 130m
- Suitable for indoor installation through the use of high ESP fans

Benefits for shop owners

- Thought design for supermarkets and smaller retail outlets
- Maximised retail sales space available as Conveni-Pack has a footprint up to 60% smaller than conventional grocery refrigeration systems
- Reduced energy consumption by up to 50% through heat recovery
- Quiet operation, thus ideal for densely populated urban areas

Marketing tools

Refrigeration Xpress
User-friendly design software for Conveni-Pack, CCU, SCU and ZEAS condensing units. Its detailed report includes a list of materials, piping and wiring diagrams, and device options.



Short videos
- Watch a short animation on the unique refrigeration solution Conveni-Pack



Conveni-Pack refrigeration system with heat recovery

Refrigeration solution for food retailers featuring award winning technology for heat recovery

- Integrates high and low temperature refrigeration and air conditioning (including heating) into one system
- By using heat recovery, optimised controls and state of the art compressor technology, Conveni-pack can reduce annual energy consumption up to 50% or more, compared to conventional systems
- Lower associated CO_2 emissions thanks to the heat pump technology
- Conveni-pack's modular design allows it to be used for smaller as well as larger shops
- The modularity of the Conveni-pack system maximises installation flexibility. Outdoor units can be grouped into blocks or rows, or distributed around the building, to meet individual installation constraints
- The heat extracted from the refrigeration showcases or evaporators can be re-used for comfort heating of the shop at no extra cost
- Low sound level including „night mode" operation



LRYEQ16AY



Conveni pack, in combination with a ZEAS unit.

This store was nominated by spar as its 'local supermarket of the year', thanks in part to its owner's strategic investment in a key department: Refrigeration. By installing a Conveni pack in combination with Zeas, it was possible to **save around €10,000 on energy costs each year**, from money that would otherwise have spent on heating. **SPAR, Supermarket.**

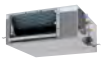
Medium Temperature Refrigeration				LRYEQ-AY	16
Cooling capacity	Air conditioning	Nom.		kW	14,0 (1)
	Refrigeration	Nom.		kW	21,8 (2)
Heating capacity	Air conditioning	Nom.		kW	27,0 (3)
	Refrigeration	Nom.		kW	21,8 (4)
Dimensions	Unit	Height		mm	1.680
		Width		mm	1.240
		Depth		mm	765
Weight	Unit			kg	370
Heat exchanger	Type				Cross fin coil
Compressor	Type				Hermetically sealed scroll compressor
	Piston displacement			m^3/h	13,34
	Speed			rpm	6.300
	Output			W	2.500
	Starting method				Direct on line (inverter driven)
	Frequency ON/OFF				Less than 6 times/hour
Compressor 2	Speed			rpm	2.900
	Output			W	3.600
Compressor 3	Speed			rpm	2.900
	Output			W	4.500
Fan	Type				Propeller fan
	Quantity				2
	Air flow rate	Cooling	Nom.	m^3/min	230
Fan motor	Output			W	750
	Drive				Direct drive
Sound pressure level	Nom.			dBA	62,0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-20~10
	Cooling	Ambient	Min.~Max.	°CDB	-5~43
	Heating	Ambient	Min.~Max.	°CDB	-15~21
Refrigerant	Type				R-410A
	GWP				2.087,5
	Charge			kg	11,5
				TCO_2eq	24,0
	Control				Electronic expansion valve
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415

(1) Cooling priority mode: indoor temp. 27°CDB, 19°CWB; outdoor temp. 32°CDB; piping length: 7.5m; level difference: 0m (2) Cooling priority mode: evaporating temp. -10°C; outdoor temp. 32°CDB; Suction SH: 10°C (3) Heat recovery 100% mode: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; refrigeration load 18kW; piping length: 7.5m; level difference: 0m (4) Saturated temperature equivalent to suction pressure (refrigeration side): -10°C (under chilled condition); connection capacity for indoor air conditioner: 10HP, when heat recovery is 100%

Indoor units and Biddle air curtains for connection to Conveni-Pack

To respond to all shop requirements for comfort cooling and heating, a wide range of air conditioning indoor units and Biddle air curtains are available.

Capacity class (kW)

Model	Product name		50	63	71	80	100	125	140	200	250
Cooling capacity (kW)[1]			5,6	7,1	8,0	9,0	11,2	14,0	16,0	22,4	28,0
Heating capacity (kW)[2]			6,3	8,0	9,0	10,0	12,5	16,0	18,0	25,0	31,5
Round flow cassette	FXFQ-A		●	●		●	●	●			
2-way blow ceiling mounted cassette	FXCQ-A		●	●		●		●			
Ceiling mounted corner cassette	FXKQ-MA			●							
Concealed ceiling unit with inverter driven fan	FXSQ-A		●	●		●	●	●			
Concealed ceiling unit with inverter driven fan	FXMQ-P7		●	●		●	●	●			
Large concealed ceiling unit	FXMQ-MB									●	●
Ceiling suspended unit	FXHQ-A			●			●				
4-way blow ceiling suspended unit	FXUQ-A				●		●				
Floor standing unit	FXLQ-P		●	●							
Concealed floor standing unit	FXNQ-A		●	●							

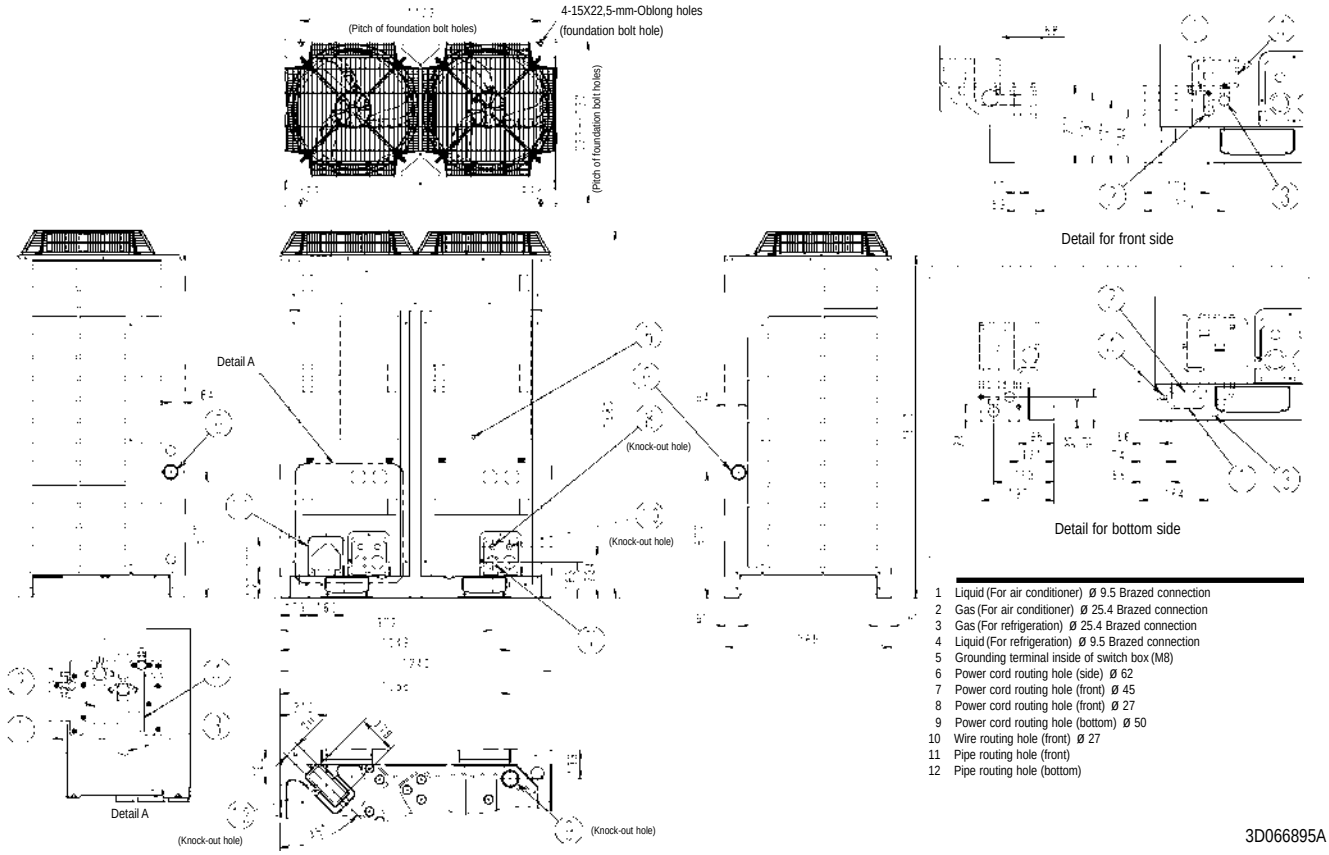
Capacity class (kW)

Model	Product Name		80	100	125	140	200	250
Heating capacity (kW)[2]			7,4 - 9,2	11,6 - 13,4	15,6	16,2 - 19,9	29,4	29,4 - 31,1
Biddle air curtain free hanging	CYVS-DK		●	●	●	●	●	●
Biddle air curtain cassette	CYVM-DK		●	●	●	●	●	●
Biddle air curtain recessed	CYVL-DK		●	●	●	●	●	●

[1] Nominal cooling capacities are based on: indoor temperature: 27°CDB / 19°CWB, outdoor temperature: 35°CDB, piping length: 7,5m, level difference: 0m

[2] Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB / 6°CWB, piping length: 7,5m, level difference: 0m

LRYEQ16AY



1 Liquid (For air conditioner) Ø 9.5 Brazed connection
2 Gas (For air conditioner) Ø 25.4 Brazed connection
3 Gas (For refrigeration) Ø 25.4 Brazed connection
4 Liquid (For refrigeration) Ø 9.5 Brazed connection
5 Grounding terminal inside of switch box (M8)
6 Power cord routing hole (side) Ø 62
7 Power cord routing hole (front) Ø 45
8 Power cord routing hole (front) Ø 27
9 Power cord routing hole (bottom) Ø 50
10 Wire routing hole (front) Ø 27
11 Pipe routing hole (front)
12 Pipe routing hole (bottom)

3D066895A

LRYEQ-AY

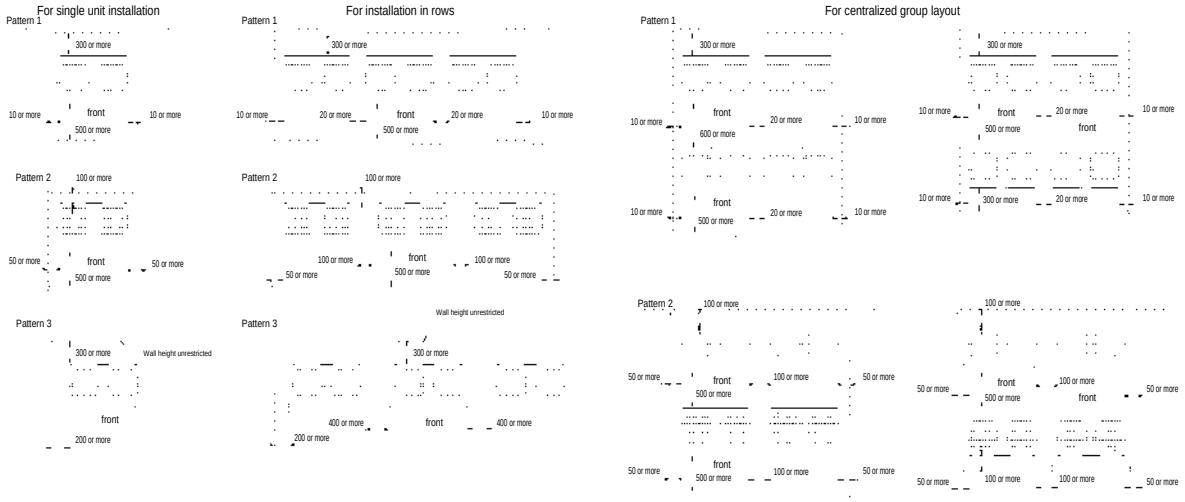
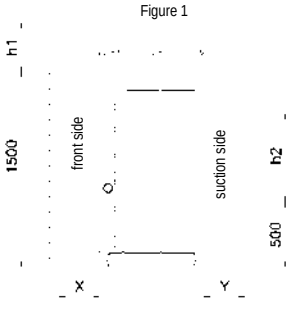


Figure 1

1. Heights of walls in case of patterns 1 and 2:
   Front: 1500
   Suction side: 500mm
   Side: Height unrestricted
   The installation space as shown on this drawing is based on cooling operation at 32°C (outdoor air temperature).
   If the design outdoor air temperature exceeds 32°C degrees, provide a broader suction space than showing on the drawing.
2. If the walls are higher than mentioned above, then additional space is needed.
   Suction side: service space + h2/2
   Front side: service space + h1/2
   See figure 1
3. When installing the units, select the pattern that best fits the available space.
   Always keep in mind to leave sufficient space for a person to pass between unit and wall and for the air to circulate freely.
   If more units are to be installed than are catered for in the above patterns, your layout should take into account of the possibility of short circuits).
4. Provide sufficient space at the front to connect refrigerant piping (comfortably).



3D106211

Booster unit

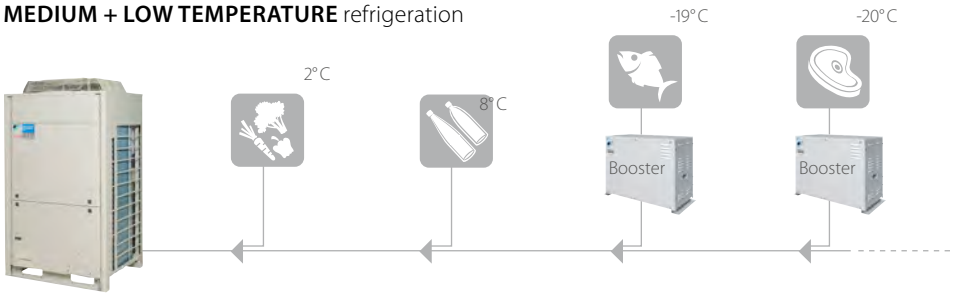
- A booster unit allows to connect freezer showcases / rooms to ZEAS and Conveni-Pack outdoor units
- Reduced piping requirements, from 4 to 2 pipes, compared to a conventional system
- Low sound mode available reducing sound emissions significantly without giving in on Refrigerating capacity



LCBKQ3AV1

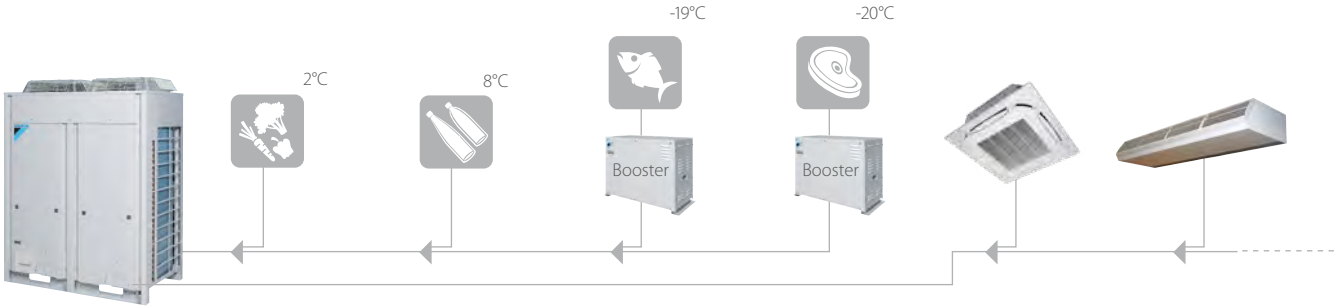
Booster with ZEAS:

MEDIUM + LOW TEMPERATURE refrigeration



Booster with Conveni-Pack:

MEDIUM + LOW TEMPERATURE refrigeration + space air conditioning + Biddle air curtain



Low Temperature Refrigeration				LCBKQ-AV1	3
Refrigerating capacity	Low temperature		Nom.	kW	3,35 (1)
Dimensions	Unit	Height		mm	480
		Width		mm	680
		Depth		mm	310
Weight	Unit			kg	47
Compressor	Type				Hermetically sealed swing compressor
	Piston displacement			m^3/h	10,16
	Number of revolutions			rpm	6.540
	Output			W	1.300
	Starting method				Direct on line (inverter driven)
	Frequency ON/OFF				Less than 6 times/hour
Fan	Type				Propeller fan
	Air flow rate	Cooling	Nom.	m^3/min	1,6
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-45~-20
	Ambient temperature	Min.~Max.		°C	-15~43
Refrigerant	Type				R-410A
	GWP				2.087,5
	Control				Electronic expansion valve
Piping connections	For outdoor unit	Liquid	OD	mm	6,35
	To indoor unit	Liquid	OD	mm	6,35
	For indoor unit	Gas	OD	mm	15,9
	To outdoor unit	Gas	OD	mm	9,5
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240

(1) Evaporating temp. -35°C; outdoor temp. 32°C; suction SH 10K; saturated temp. to discharge pressure of booster unit -10°C

Medium temperature with air conditioning

Mini racks

☑ MT + Air conditioning
(with or w/o condenser) — 1+2 (max. 3)

FNB FNV58 1.560 mm	18 kW 27 kW 45 kW



Racks

☑ MT + Air conditioning
(with or w/o condenser) — 2+2 (max. 4)

FCCE 2.120 mm	18 kW 40 kW 52 kW
FCZ 3E FCZ 4E 2.120 mm	18 kW 50 kW 74 kW

☑ MT + Air conditioning
(with or w/o condenser) — 2+3 (max. 5)

FCZ4F 2.660 mm	36 kW 70 kW 85 kW
FCZ4G FCCG 3.060 mm	36 kW 93 kW 108 kW



Duplex racks

☑ MT + Air conditioning
(with or w/o condenser) — 5+4 (max. 9)

FUJ 4.000 mm	115 kW 230 kW 250 kW



Conditions: LT: Tev.: -35°C SH: 8°K
MT: Tev.: -10°C SH: 8°K
Clime: Tev. med: 5°C SH: 8°K

Low temperature with air conditioning

Racks

☑ MT + LT + Air conditioning (with or w/o condenser) — 1+2+1 (max. 4)

FCCE
FCZ3E
FCZ4E
2.120 mm

9 kW
30 kW
30 kW
52 kW

9 kW
30 kW
50 kW
74 kW

☑ MT + LT + Air conditioning (with or w/o condenser) — 1+2+2 (max. 5)

FCZ4F
2.660 mm

9 kW
30 kW
60 kW
85 kW

FCZ4G
4.000 mm
FCCG
3.060 mm

9 kW
30 kW
70 kW
108 kW



Duplex racks

☑ MT + LT + Air conditioning (with or w/o condenser) — 2+3+4 (max. 9)

FUJ
4.000 mm

18 kW
100 kW
200 kW
250 kW



LT MT Clime Global — MSC Mechanical subcooler — PC Parallel compressor — Heating interchanger — Axial — Radial



Other products

Evaporators with or without TEV for different operations and refrigerants



General features:

› Capacity for LT/MT cooling: 0,5 to 213 kW
› Ambient/cooling room temperature range: - 40°C - +25°C
› Refrigerants: R134A a, R 449A, R448A, R452A R407F, R 407A
› Fin distance: from 3 mm to 11 mm
› Fin materials: Al
› Tube materials: Cu
› Conditions:
MT: Ambient temperature: 35°C Evp. Temperature: -10°C
LT: Ambient temperature: 35°C Evp. Temperature: -35°C

Options:

› Electric defrost heating
› Hot gas defrost
› Drain pan heating
› Fan ring heater
› High efficient EC fans
› Wiring on terminal box
› Included valves and regulation
› Fin materials AISI 304, AISI 316
› Tube materials AISI 304, AISI 316
› Casing in stainless steel (Inox)

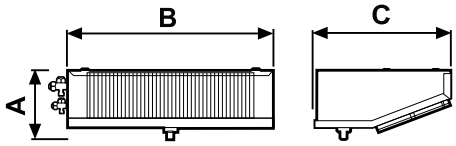
Types:

› flat evaporator
› double flow
› cubic design
› Evaporator only
› Evaporator + EEV/TEV
› Evaporator + EEV/TEV + electronic controller

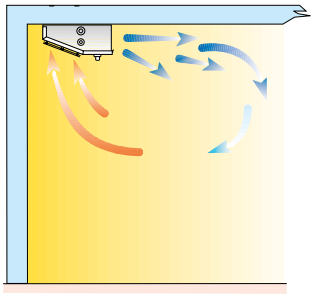
For technical selection, prices, accessories and delivery time please use the Zanotti software and contact our technical department. We are happy to help you.

Dimensions

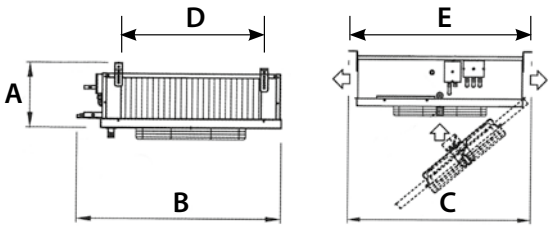
Flat



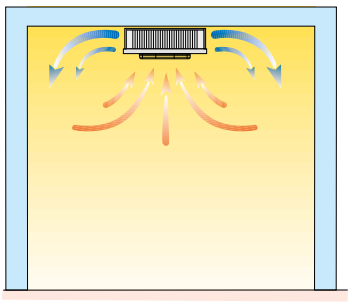
mm	A	B	C
201	215	614	410
202	215	1034	410
203	215	1614	410
232	150	713	455
301	300	910	690
302	300	1530	690
303	300	2150	690
304	300	2770	690
305	300	3390	690



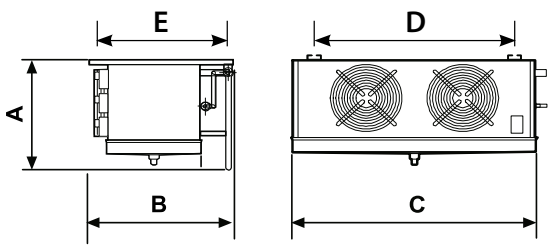
Double flow



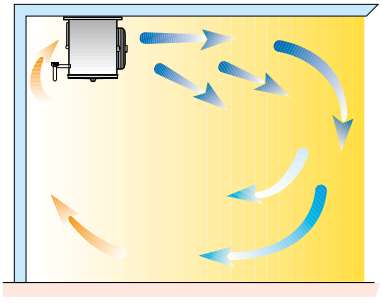
mm	A	B	C	D	E
231	171	579	585	293	600
232	171	889	585	603	600
233	171	1199	585	913	600
234	171	1509	585	1223	600
352	300	1671	995	1214	1065
353	300	2291	995	1834	1065
354	300	2911	995	2454	1065
355	300	3531	995	3074	1065



Cubic



mm	A	B	C	D	E
301	420	480	789	495	345
302	420	480	1254	960	345
303	420	480	1719	1425	345
HEU351	545	690	805	605	540
HEU352	530	690	1220	965	540
HEU353	600	690	1690	1370	540
HEU403	620	700	1840	1520	545
HEU502	844	992	1829	1526	740
SKC352	490	606	1614	1270	450
SKC353	490	606	2234	1890	450
SKC452	610	650	2032	1680	510
SKC503	800	830	3350	2760	675



Other Monoblocks

Model	Refrigerant		Capacity range
Small- Monoblock for wall mounting AS-R	Standard refrigerant: MT: R134a, LT: R452A Other refrigerants possible upon request		0° 0,43 to 7,4 kW -20° 0,75 to 7,4 kW P 1,5 to 7,4 kW
Large- Monoblock for wall mounting RS	Standard refrigerant: MT: R134a, LT: R452A Other refrigerants possible upon request		0° 0,75 to 22 kW -20° 1,5 to 37 kW
Large- Monoblock for shock freezing PRS • CBX	Direct mounting trough the wall Standard refrigerant: MT: R134a, LT: R452A Other refrigerants possible upon request		-40° 5,5 to 18,5 kW P 1,5 to 7,4 kW
Open frame condensing units with Bitzer semi hermetic compressor ZH	Standard refrigerants: R134a, R407H, R449A Other refrigerants upon request Semi hermetic Bitzer compressor Liquid receiver with safety pressure relief valve for PED units Many different options and accessories available upon request.		-10° 2,3 kW to 44 kW -30° 1,5 kW to 31,5 kW
Large- Monoblock for shock freezing CBX • PBX	Duct connection Standard refrigerant: MT: R134a, LT: R452A Other refrigerants possible upon request		-40° 22 to 55 kW P 22 to 55 kW

C° capacity on evaporation temp. P power input

For technical selection, prices, accessories and delivery time please use the Zanotti software and contact our technical department. We are happy to help you.

Other Bi-blocks

Model	Refrigerant		Capacity range
Small- Bi-Block with cubic evaporator DBS	MT: R134a, LT: R452A, R407F Other refrigerants possible upon request		0° 0,4 to 7,4 kW -20° 0,7 to 11 kW
Middle- Bi-Block with cubic evaporator DBD	MT: R134a, LT: R452A, R407F Other refrigerants possible upon request		0° 0,75 to 30 kW -20° 1,1 to 44,5 kW
Middle- Bi-Block with cubic evaporator CDB • PDB	MT: R134a, LT: R452A, R407F Other refrigerants possible upon request		-40° 5,5 to 56 kW P 2,2 to 60 kW

C° capacity on evaporation temp. P power input

For technical selection, prices, accessories and delivery time please use the Zanotti software and contact our technical department. We are happy to help you.

Other

Model	Refrigerant		Capacity range
Small Mono and Bi-Block seasoning conditioner unit for meat and cheeses maturity process SAS	Standard Refrigerant: MT: R134a Other refrigerants possible upon request		+12° 0,7 to 5,5 kW
Large mobile grain process and seasoning conditioner DUK	R404A - R407F		0° 7,5 to 37 kW
Water Chiller ZC	Standard Refrigerant: MT: R134a, R449A		-5° 19,4 to 197 kW -10° 16,3 to 165,2 kW -15° 13,3 to 86 kW -20° 10,6 to 69,1 kW
Large Mono and Bi-Block seasoning conditioner unit for meat and cheeses maturity process UAV	Standard Refrigerant: MT: R134a Other refrigerants possible upon request	 	+12° 1,5 to 36,8 kW

C° capacity on evaporation temp.

For technical selection, prices, accessories and delivery time please use the Zanotti software and contact our technical department. We are happy to help you.

Other
Products

Transport refrigeration

Zanotti and Hubbard offer various systems for the refrigerated transport of fresh and frozen foods in small and medium sized vehicles.

For refrigerated transport with large vehicles Zanotti manufactures monoblock and panel-mounted diesel units (Un0° series).



Industrial range

Zanotti's core business in the industrial sector includes large cooling systems for logistics centers and cold storage solutions in the food, catering and petrochemical industries.

Many sports and leisure facilities, such as ice skating rinks or indoor winter sports halls use Zanotti freezing technology.



F-Gas Regulation

For fully/partially charged equipment: contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

For non pre-charged equipment (LCBKQ-AV1, JEHCCU/JEHSCU): Its functioning relies on fluorinated greenhouse gases.

Hubbard

Products

Hubbard Products has an enviable global reputation for innovation and excellence in refrigeration design, refrigeration engineering and refrigeration solutions for static and transport refrigeration requirements.

Hubbard serves the cool chain supply sector offering a wide range of direct drive, alternator drive, Diesel drive and stand alone electrical units for panel vans, box body vehicles and truck and trailer combinations.

Hubbard Products Ltd., is one of the UK's leading designers, manufacturers and suppliers of energy-efficient commercial cooling equipment and has earned a Global reputation for innovation and design-led excellence.

- Cellar Cooling
- Convenience and Retail Cooling
- Multi Compressor Packs
- Cold Room Units
- Heat Recovery Systems
- Transport Refrigeration
- Low GWP, natural refrigeration systems











Made to Order



Made to Order

We build units according to customer requirements.

Our refrigeration experts are able to give the best advice, personalised to each situation.

We can provide complete solutions, entirely tailored to the customer needs.

Contact us to find the best solution for your business.



Please contact the refrigeration department at Daikin Europe (refrigeration@bxl.daikineurope.com) or your local refrigeration product manager.



Options

Options

for ZEAS and Conveni-Pack

		Conveni-Pack	ZEAS						Multi-ZEAS	
		LRYEQ16AY	LREQ5BY1	LREQ6BY1	LREQ8BY1	LREQ10BY1	LREQ12BY1	LREQ15BY1	LREQ20BY1	LREQ15BY1Rx2	LREQ20BY1Rx2
SEE NEXT PAGE	Digital pressure gauge kit	BHGP26A1									
Pressure gauge kit		-	KHGP26B140								
Snowbreak hood*	(a+b+c+d) kit	KPS26C504	KPS26C160		KPS26C280			KPS26C504			
	a. Air outlet	KPS26C504T	KPS26C160T		KPS26C280T			KPS26C504T			
	b. Air inlet (left)	KPS26C504L	KPS26C504L								
	c. Air inlet (right)	KPS26C504R	KPS26C504R								
	d. Air inlet (rear)	KPS26C504B	KPS26C160B		KPS26C280B			KPS26C504B			
Central drain pan kit		KWC26C450**	KWC26C160		KPS26C280			KPS26C450		KPS26C450*** x2	
SEE NEXT PAGE	Modbus communication kit	BRR9A1V1								BRR9A1V1****	
Booster unit		LCBKQ3AV19								-	
Suction branch pipe for multi		-	-							EKHRQZM*****	
Refnet header		KHRQM22M29H8									
		KHRQ22M64H8									
		KHRQM22M75H8									
Refnet joint		KHRQ22M20TA8									
		KHRQ22M29T9									
		KHRQ22M64T8									
		KHRQ22M75T8									
intelligent Touch Controller		DSC601C51	-								
intelligent Touch Manager		DCM601A51	-								

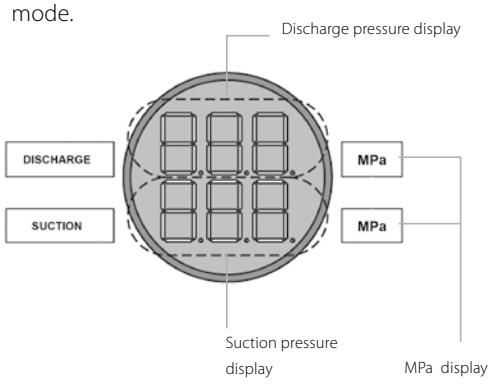
* Snowbreak hoods are field-supplied. For technical drawings and more information, contact your dealer. It is recommended to install a snowbreak hood when regular snowfall occurs.
** In cold areas, provide a drain pan heater (field supply) to prevent drained water from freezing up in the drain pan *** required for each module
**** software update required (to be executed during commissioning) ***** mandatory

Digital pressure gauge kit

BHGP26A1

The digital measurement display allows you to diagnose a unit at a glance and it can be used with all ZEAS units and Conveni-Pack systems.

› Digital measurement display for fixed installation or service applications.
› Displays high and low pressure.
› Displays error codes in the event of a fault.
› Displays up to 32 operating parameters.
› Displays error code history (last three).
› Scrolls and stores output values.
› Automatically returns to normal operating display mode.





BHGP26A1

Modbus communication kit

BRR9A1V1

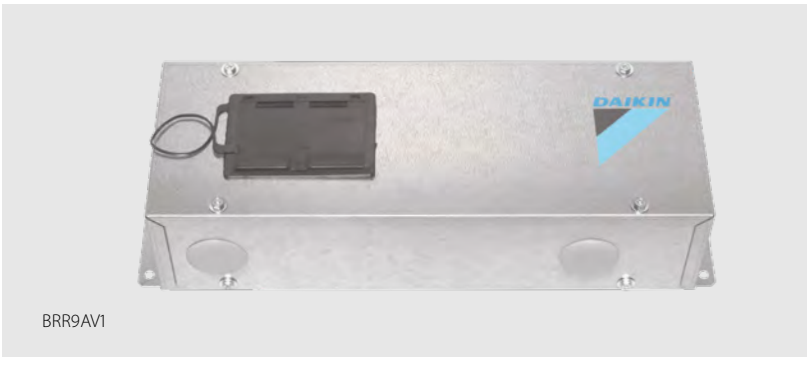
The Daikin Modbus Communication Interface lets you fully integrate Daikin ZEAS and Daikin Conveni-Pack systems with building control automation networks and other monitoring systems.

The interface allows you to read all the operational parameters and control important values using the Modbus protocol. This unifying component transforms ZEAS and Conveni-Pack into a transparent, customisable refrigeration unit and means that you can create object-specific and energy-optimised shop concepts, including remote monitoring application.

Pro interfaces can be used to connect up to 32 ZEAS units, and are also suitable for use with Conveni-Pack systems and the Booster.

Control values

› Target evaporation temperature
› Low pressure level for on and off points
› Forced stop
› Error messages can be cancelled remotely



BRR9AV1

Display values

› Model information and operating status
› Refrigerant operating pressure and temperatures
› Electrical operating data and temperatures for components
› Target values
› Fan stage and compressor frequency, operating hours
› Warning and error messages as well as system safety functions

Options

Zanotti Uniblock

			GM	SB	AS		
					Standard	Transport coldroom	Container
Options which need to be ordered with the unit	Winter kit 1: Condenser fan pressure switch + Crankcase heater + Double defrost solenoid valve	PRS VNT + RES CAR + SOL SBR	•	•			
	Winter kit 2: Condenser fan speed regulator with temperature control+ Double defrost solenoid valve	VVE TER + RES CAR + SOL SBR	•	• (Std on 235)	•	Std on 135	Std on 121, 123, 221, 135
	Winter kit 3: Condenser fan speed regulator with pressure control + Crankcase heater + Double defrost solenoid valve	VVE PRS + RES CAR + SOL SBR	•	•	Std	Std on 235, 335, 340	Std on 235, 335, 340
	Winter kit 4: BEST COP condenser fan speed regulator + Crankcase heater + Double defrost solenoid valve	VVEBCO + RES CAR + SOL SBR	•	•	•	•	•
	Simple low noise housing	INS SEM	•				
	Evaporator cataphoresis treatment	FRS EVP	•	•	•	•	•
	Condensor cataphoresis treatment	FRS CND	•	•	•	•	•
	Zanotti remote control panel with 5 m cable	PAN SNG	•				
	Watercooled condenser	CON ACQ	•	•	•	•	•
	Voltage monitor	MON TEN	•	•	•	•	•
	Phase sequence control	CTR FAS				Only for scroll	
	3 m cable for door heater (for MT only, standard for LT)	RES POR	•	•	•	•	•
	Remote control panel for 2-3-4 units	PAN MUL	•		•		Only for 235, 335, 340
	Audible and visual alarm	ALR SNV	•		•		Only for 235, 335, 340
	Prearrangement for supervising system	KIT SUP	•	•	•	•	•
	Kit long distance (more than 10 meters)	KIT DIS	•				
Option where afterwards installation is possible	Kit for through wall construction	KIT PAN	•	Std	Std	Std	Std

Zanotti Bi-block

			GS	SPO	DBO
Options which need to be ordered with the unit	Simple low noise housing	FRS CND	•		
	Condensate drain electrical heater	RES SCC	X (Std LT)	X (Std LT)	X (Std LT)
	Evaporator cataphoresis treatment	FRS EVP	•	•	•
	Condensor cataphoresis treatment	FRS CND	•	•	•
	Water-cooled condenser	CON ACQ	•	•	•
	Voltage monitor	MON TEN	•	•	•
	3 m micro-switch door cable	MIC POR	•	•	•
	1 m cold room lightning cable	CAV LCE			•
	3 m cable for door heater	RES POR	•	•	•
	Remote control panel for 2-3-4 units	PAN MUL	•	•	•
	Audible and visual alarm	ALR SNV	•	•	•
	Prearrangement for supervising system	KIT SUP	•	•	•
	Kit long distance (more than 10 meters)	KIT DIS	•		
	cold room lamp	KIT LCE	•	•	•

Zanotti Wineblock

			RCV	RDV
Options (Mandatory to be ordered with the unit)	Winter kit 1: Condenser fan pressure switch + Crankcase heater	PRS VNT + RES CAR	•	
	Winter kit 3: Condenser fan speed regulator with pressure control + Crankcase heater	VVE PRS + RES CAR	•	•
	Winterkit 4: BEST COP condenser fan speed regulator + Crankcase heater	VVEBCO + RES CAR	•	•
	Evaporator cataphoresis treatment	FRS EVP	•	•
	Condensor cataphoresis treatment	FRS CND	•	•
	Watercooled condenser	CON ACQ	•	•
	Voltage monitor	MON TEN	•	•
Options (Installation afterwards possible)	Prearrangement for supervising system	KIT SUP	•	•

Zanotti condensing units

		Condensing unit for outdoor installation		Twin condensing unit for outdoor installation with twin-semi hermetic compressors
		with hermetic compressors	with semi hermetic compressors	
RES CAR	Crankcase heater	•	•	•
PRO TRM	Thermal overload protection	•	•	•
VVE BCO	BESTCOP Condenser fan speed controller	•	•	•
VVE PRS	Pressure condenser fan speed controller	•	•	•
VVE TER	Temperature condenser fan speed controller	•	•	•
PRS LPF	LP switch (fixed calibration)	•	•	•
SEP ASP	Suction liquid separator	•	•	•
SEP OIL	Oil separator	•	•	•
VEN RAD	Radial type condenser fans	•	•	•
REG POT	Compressors capacity controller	•	•	•
SOL LIQ	Liquid line solenoid valve	•	•	•
CON ACQ	Watercooled condensation	•	•	•
VLT DIF	Different voltage	•		
FRS CND	Anti-corrosion protection on condenser coil	•	•	•
FRS EVP	Anti-corrosion protection on evaporator coil	•	•	•
IMB FUM	Fumigation according to ISPM15	•	•	•
PRS VNT	Condenser fan pressure switch	•	•	•
PRS HPR	HP switch with auto reset	•	•	•
MON TEN	Voltage monitor	•	•	•
INS SEM	Simple low noise housing	•	•	•
INS DOP	Enhanced low noise housing	•	•	•
QUA ELE	Power control box with magneto thermic switches	•	•	•
RES CAR	Crankcase heater	•	•	•
FQD	Frequency driver		•	•

		Multi compressor condensing unit	
		with scroll/digital scroll compressors	with semi hermectic compressors
INSRD	Closed frame with double layer sound proofing material	•	•
AC&R	Mechanical oil equalization system with oil reserve, oil line filter, pressure reduction valve onto oil reserve	•	•
TRAXOIL	Electronic oil distribution system	•	•
RIC.LIQ.	Oversized liquid receiver	•	•
CFF	Compressors sound shell	•	•
ELC.C	Electronic card EWCM4180 - XC1000D - EWCM9100	•	•





Madoka guarantees comfort in the most intuitive way imaginable

Available in three attractive colours, Madoka adds style and class to any interior space.
Measuring just 85 x 85 mm, Madoka is extremely compact and will become a fluid part of any background.

Madoka combines refinement and simplicity.
The intuitive touch button control enlarges the display and makes Madoka both easy and enjoyable to use.

The Madoka Assistant app simplifies the advanced settings such as schedule or set point limitation. Your smartphone connects easily with Madoka via Bluetooth®

White
RAL 9003 (glossy)



Silver
RAL 9006 (metallic)



Black
RAL 9005 (matt)





reddot award 2018
winner

DESIGN AWARD 2018

Bluetooth

www.daikin.eu/madoka

Control Systems

Control Systems

Application overview	656
Individual control systems	658
Online controller	658
Wired / infrared remote controls	660
Centralised control systems	666
Centralised remote control / Unified ON/OFF control / Schedule timer	666
Adapter DTA113B51	667
intelligent Touch Controller	667
intelligent Tablet Controller with Daikin Cloud Service	668
intelligent Touch Manager	670
intelligent Chiller Manager	674
Standard protocol interfaces	676
Modbus interface	678
KNX Interface	680
PMS Interface for hotels	681
BACnet Interface	682
LonWorks Interface	683
Daikin Cloud Service for commercial DX systems	684
Daikin on Site for applied systems	686
Daikin Configurator Software	688
EKPCCAB3	688
Other devices	689
Wireless room temperature sensor	689
Wired room temperature sensor	689
Other integration devices	690
Options & Accessories	**691**

New online controller for Sky Air



New premium design wired remote control



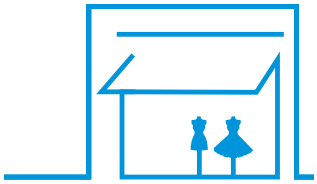
For latest data, please consult my.daikin.eu

Control solutions summary

Daikin offers various control solution adapted to the requirements of even the most demanding commercial application.

› Basic control solutions for those customers with few requirements and limited budget
› Integrating control solutions for those customers that would like to integrate Daikin units into their existing BMS system
› Advanced control solutions for those customers that expect Daikin to deliver a mini BMS solution, including advance energy management

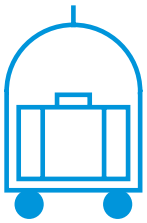
Shop



	Unit control			Integrating control			Advanced control	
								
	BRP069* Online controller	BRC1H-519W/S/K	RTD-20	RTD-Net	KLIC-DI	EKMBDXA	DCC601A51	DCM601A51
	Smart phone control for up to 50 indoor units	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 unit for 32 indoor unit(s) (5)	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●	●	●	●	●
Limit control possibilities for shop staff		●	●	●	●	●	●	●
Create zones within the shop			●				●	●
Interlock with eg. Alarm, PIR sensor			●				● (limited)	●
Integrate Daikin units into existing BMS via Modbus				●		●		
Integrate Daikin units into existing BMS via KNX					●			
Integrate Daikin units into existing BMS via HTTP								●
Monitor energy consumption		● (4)					● (2)	●
Advanced energy management							● (2)	●
Allows free cooling							●	●
Integrate Daikin products cross pillars into Daikin BMS								●
Integrate third party products into Daikin BMS							●	●
Online control	●						● (2)	● (3)
Manage multiple sites							● (2)	● (3)

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Via Daikin cloud service (3) Through own IT set-up (not Daikin cloud server) (4) Not available on all indoors (5) Up to 10 DCC601A51 can be combined as a single site on Daikin Cloud Service

Hotel



	Unit control	Integrating control		Advanced control	
				PMS Interface	
	BRC1H51W/S/K	RTD-HO	KLIC-DI	DCM010A51	DCM601A51
	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit	1 interface for up to 2,500 indoor units	1 iTM for 64 indoor unit(s) (groups) (1)
Hotel guest can control & monitor basic functionalities from his room	●	●	● (3)		●
Limit control possibilities for hotel guests	●	●	●	●	●
Interlock with window contact	● (2)	●			●
Interlock with key-card	● (2)	●			●
Integrate Daikin units into existing BMS via Modbus		●			
Integrate Daikin units into existing BMS via KNX			●		
Integrate Daikin units into existing BMS via HTTP					●
Integrate Daikin unit control in hotel booking software				● Oracle Opera PMS	
Monitor energy consumption					●
Advanced energy management					●
Integrate Daikin products cross pillars into Daikin BMS					●
Integrate third party products into Daikin BMS					●
Online control					●

(1) : 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Via BRP7A51 adapter (3) requires KNX compatible controller

Office



	Unit control	Integrating control			Advanced control	
			 LonWorks Interface	 BACnet Interface		
	BRC1H519W/S/K	EKMBDXA	DMS504B51	DMS502A51 / DAM412B51	DCC601A51	DCM601A51
	1 remote controller for 1 indoor unit (group)	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 gateway for 64 indoor unit(s) (groups)	1 gateway for 128 indoor unit(s) (groups), 20 outdoors (2)	1 unit for 32 indoor unit(s) (groups) (5)	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●	●	●
Centralised control for management		●	●	●	●	●
Local control for office workers	●	●	●	●	●	●
Limit control possibilities for office workers	●				●	●
Integrate Daikin units into existing BMS via Modbus		●				
Integrate Daikin units into existing BMS via HTTP					●	●
Integrate Daikin units into existing BMS via LonTalk			●			
Integrate Daikin units into existing BMS via BACnet				●		
Energy consumption read out	●					
Monitor energy consumption					● (4)	●
Advanced energy management					● (4)	●
Integrate Daikin cross pillar products into Daikin BMS						●
Integrate third party products into Daikin BMS					●	●
Online control					● (4)	●
Manage multiple sites					● (4)	● (5)

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) extension needed to go to 256 indoor unit(s) (groups), 40 outdoors (3) ON/OFF only
(4) Via Daikin cloud service (5) Through own IT set-up (not Daikin cloud sever)
(5) Up to 10 DCC601A51 can be combined as a single site on Daikin Cloud Service

Infrastructure cooling



	Unit	Integrating		Advanced
				
	BRC1H51W/S/K	RTD-10	DTA113B51	DCM601A51
	1 remote controller for 1 indoor unit (group) (2)	1 gateway for 1 indoor unit (group) Up to 8 gateways can be linked together	1 adapter for op to 4 units	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●
Back-up operation	●	●	●	●
Duty rotation	●	●	●	●
Limit control possibilities in the technical cooling room	●	●		●
If room temperature above max., then show alarm & start standby unit.		●		●
If an error occurs, an alarm will be shown.	●	●		●
If an error occurs, activate an alarm output	Via KRP2/4A option (3)	●		Via WAGO I/O

(1) : 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Infrastructure cooling functions only compatible with indoor units connected to Seasonal Smart outdoor units. (3) See option list of indoor unit

Online controller

BRP069B41/42/45
BRP069A61/62/81/82

Always in control,
no matter where you are



The Daikin Online Controller application can control and monitor the status of your heating system or up to 50 split air conditioning units and allows you to:

Monitor:
› The status of your air conditioner or heating system
› Consult **energy consumption graphs** (1)

Control:
› The **operation mode**, set temperature, fan speed and powerful mode, air direction and filtering (streamer) function (Available functions depending on connected model) (2)
› Remotely control your system and domestic hot water
› **Zone control**: control **multiple** units at once (Split and Daikin Altherma integrated bi-zone only)

Schedule:
› Schedule the set temperature and operation mode with up to **6 actions per day for 7 days**
› Enable **holiday mode**
› View in an intuitive mode
› 3rd party products & services integration via IFTTT (Split and Sky Air only)
› Demand control/power limitation (Split only)

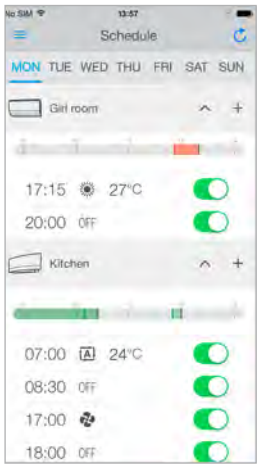
App with intuitive lay-out

Control



Control operation mode, temperature, air purification, fan speed & direction

Schedule



Schedule the set temperature, operation mode and fan speed

Monitor



Monitor your energy consumption, set holiday schedule

Identify



Identify the rooms in your house

Available functions and menus depend on the connected indoor unit
(1) Available for Split and Daikin Altherma 3 models
(2) For heating products Online controller is only compatible with Room Temperature control (and not Leaving Water Temperature control or external control)

Connectable units

Included in PCB
› FTXA-AW/S/T

BRP069B41
› FTXG-LW/S
› FTXJ-MW/S *
› C/FTXM-N
› FTXTM-M
› ATXM-N

BRP069B42
› FTXZ-N
› FVXM-F

BRP069B45
› FTXP-M
› ATXP-M
› FTXF-A
› FTXTP-K
› ATXTP-K
› FTXC-B
› ATXC-B

BRP069A61/62
Daikin Altherma ground source heat pump
› EGSQH-A9W
Daikin Altherma hybrid heat pump
› EHYHBH(X)-AV3(2)
Daikin Altherma low temperature split
› EHBH(X)-CB/D
› EHV(H/X/Z)-CB/D
Daikin Altherma low temperature monobloc
› EBLQ-CV3
› EDLQ-CV3

BRP069A81 **
Ceiling mounted
› FFA-A9
Concealed ceiling
› FDXM-F9
› FBA-A9
› FDA-A
› ADEA-A
Wall mounted
› FAA-A
Ceiling suspended
› FHA-A9
› FUA-A
Floor standing
› FVA-A
› FNA-A9

BRP069A812 **
Ceiling mounted
› FCAHG-H
› FCAG-B

* controller included with the unit
** Wired remote controller must be connected to the indoor unit to operate online controller



IFTTT: make your work flow

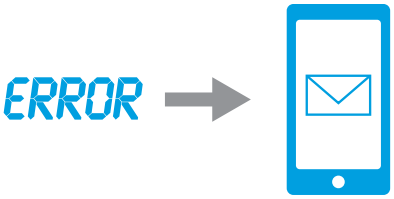
IFTTT is a solution that connects compatible 3rd party products and services (smart meters, lights, thermostats, ...), so they work best for you.
Within IFTTT, 2 operation set-ups can be made:
› DO: it simply executes an action (e.g.: on/off)
› IFTTT stands for If This Then That and allows you to automate actions (Then That) depending on certain triggers (If This)
› Available for split and Sky Air models

Example

IF you exit an area, **THEN** turn off the heating.
The trigger is location, which is determined by your smartphone. If you leave an area, such as your house for example, your heating will turn off automatically.



IF there is an error signal on the unit, **THEN** a text message is sent (to the installer/user/...)



Wireless LAN Connecting Adaptor BRP069 meets all of the following:

A. Generally available to the public by being sold, without restriction, from stock at retail selling points by means of any of the following: 1. Over-the-counter transactions; 2. Mail order transactions; 3. Electronic transactions; or 4. Telephone call transactions;
B. The cryptographic functionality cannot easily be changed by the user;
C. Designed for installation by the user without further substantial support by the supplier.

Madoka

The beauty of simplicity.



Silver
RAL 9006 (metallic)
BRC1H519S



Black
RAL 9005 (matt)
BRC1H519K



White
RAL9003 (glossy)
BRC1H519W

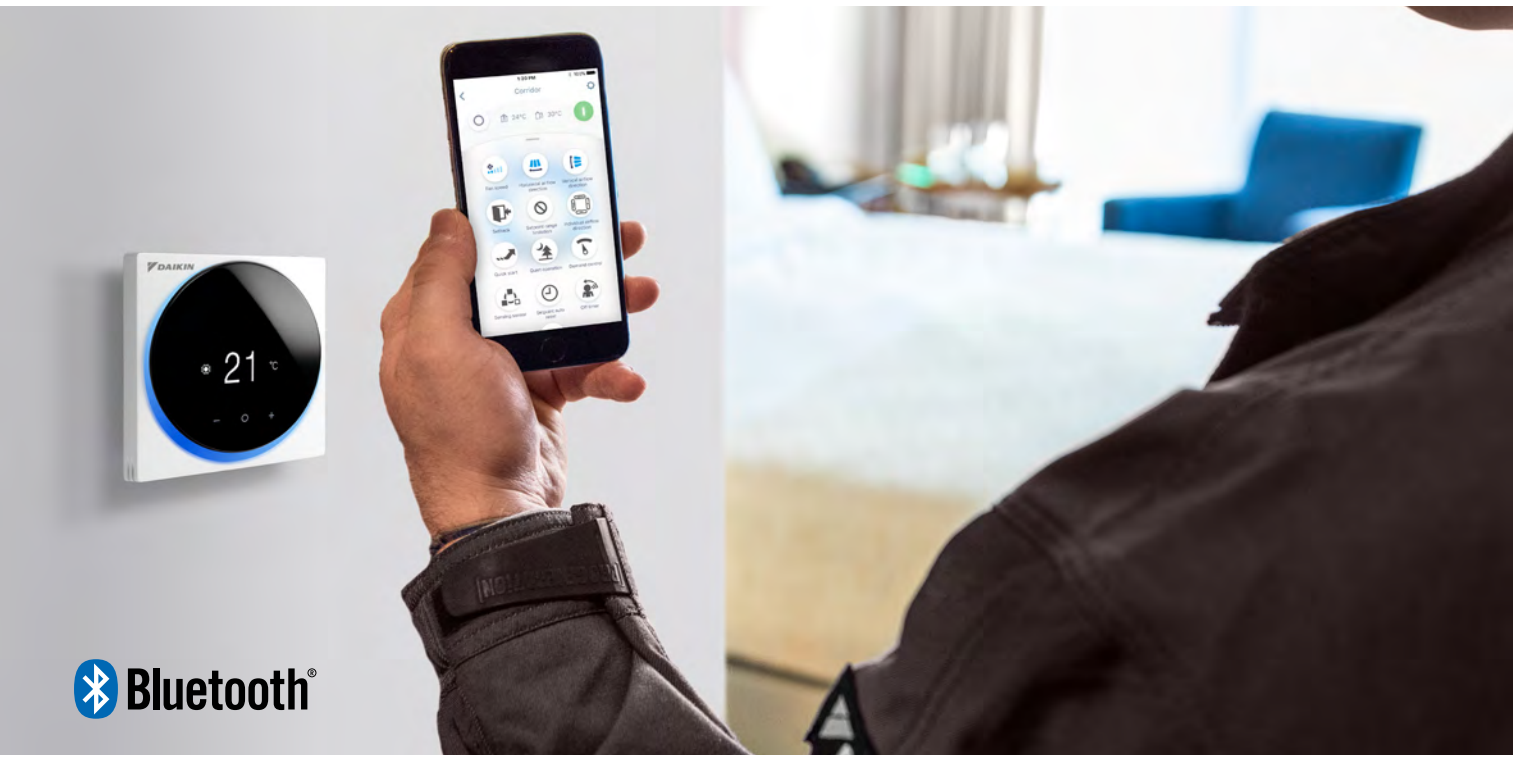
User-friendly wired remote controller with premium design

Madoka combines refinement and simplicity

- Sleek and elegant design
- Intuitive touch-button control
- Two display options: standard and detailed
- Three colours to match any interior
- Compact, measures only 85 x 85 mm
- Advanced settings and commissioning via smartphone

reddot award 2018
winner

DESIGN AWARD 2018



Madoka Assistant

GET IT ON Google Play

Available on the App Store

Simplifies the advanced settings such as schedule or set point limitation

- ☑ Visual interface simplifies advanced settings such as schedule setting, energy saving activation, setting restrictions, etc.
- ☑ Easy and quick commissioning, saves time and cost for installers
- ☑ Featuring Bluetooth® low energy technology

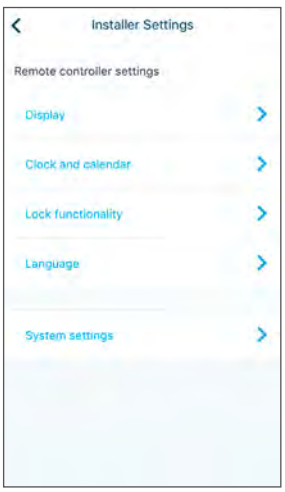
Easy setting of schedules



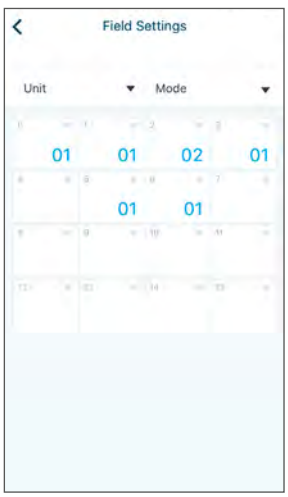
Advanced user settings



Installer settings



Field settings



BRC1H519W / BRC1H519S / BRC1H519K

Madoka wired remote controller for Sky Air and VRV


BRC1H51(9)W


BRC1H51(9)S


BRC1H51(9)K

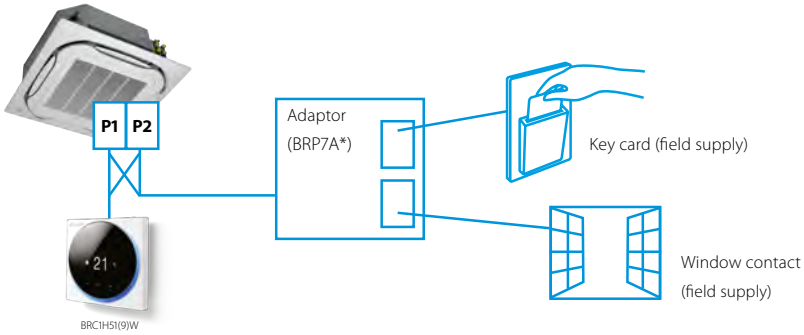
A complete redesigned controller focussed to enhance user experience

› Sleek and elegant design
› Intuitive touch-button control
› Two display options: standard and detailed
› Direct access to basic functions
(on/off, set point, mode, target values, fan speed, louvres, filter icon & reset (4), error & code)
› Three colours to match any interior
› Compact, measures only 85 x 85 mm
› Real time clock with auto update to daylight saving time
› Equipped with a buzzer

Hotel application features

› Energy saving through key card, window contact integration and set point limitation (BRP7A*)
› Flexible setback function ensures room temperature remains within comfortable limits to ensure guest comfort

Key card and window contact integration





Madoka Assistant: Advanced settings can be easily done via your smartphone

A range of energy-saving functions that can be selected individually

› Temperature range restriction
› Setback function
› Adjustable presence detector and floor sensor (available on the Round Flow and Fully Flat Cassettes)
› Automatic temperature reset (4)
› Auto off timer

Temperature range restriction means no excessive heating/cooling

Save on energy by setting the low-temperature limit in cooling mode and
the high-temperature limit in heating mode. (1)

Kilowatt-hour consumption tracking (2)

The kWh indicator displays indicative power consumption for the last day/month/year. (4)

Other functions

› Up to three independent schedules can be programmed, allowing you to switch easily between them throughout the year (e.g. summer/winter/mid-season)
› Menu settings can be individually locked or restricted
› The outdoor unit (3) can be set to quiet mode
› Real-time clock that updates automatically for daylight saving

DUTY ROTATION

Cost-effective solution for infrastructure cooling applications

> Only in combination with RZAG* / RZQG*
> Duty rotation

After a certain period of time, the operating unit will go into standby and the standby unit will take over, extending the system lifetime.

Rotation interval can be set for 6, 12, 24, 72 or 96 hours, as well as weekly.

> Back-up operation: if one unit fails, the other unit will start automatically

(1) Also available in auto cooling/heating changeover mode
(2) For Sky Air FBA, FCAG and FCAHG pair combinations only
(3) Only available on RZAG*, RZASG*, RZQG*, RZQSG*
(4) Feature will become available with future app updates from the second half of 2018 onwards.

BRC1HHDW / BRC1HHDS / BRC1HHDK

Madoka wired remote controller for Daikin Altherma 3



BRC1HHDW



BRC1HHDS



BRC1HHDK

A new generation of user interface, redesigned and intuitive

› Replacing EKRUDAS for the Daikin Altherma 3 wall mounted and floor standing:





Madoka Assistant: Advanced settings can be easily done via your smartphone



www.daikin.eu/madoka

AZCE6BLUEFACECB / AZCE6THINKRB / AZCE6LITERB

Controls for multi zoning kits

3 controller versions are available to choose from: Colour, touch or simplified



AZCE6BLUEFACECB

Blueface - main thermostat

› Intuitive graphical, colour touch screen for controlling multiple zones
› Wired communication
› Optional bus cable (2 x 0.5 mm² + 2 x 0.22 mm²) (10m cable length)



AZCE6THINKRB

Think - zone thermostat

› Graphic touch button with low-energy e-ink screen for controlling single zones
› Low energy radio communication with proprietary protocol (868MHz)



AZCE6LITERB

Lite - zone thermostat

› Simplified thermostat with touch buttons for temperature control
› Low energy radio communication with proprietary protocol (868MHz)

*The wired Daikin BRC1E / BRC1H remote control is needed to control operation and maintenance.

ARCWLA / ARCWB

Siesta individual control systems



ARCWB

Specifications

› Dimensions (length x width x height) ARCWB: 0.15 m x 0.21 m x 0.04 m.
› ARCWB comes standard with a 10 metre cable, which can be extended to maximum cable length of 15 metres. ARCWB can only control one indoor unit at a time; group control is only possible when using option R04084124324.

- Standard
• By dipswitch selection
•• 1, 2 & 4 hours delay

Overview controllers for Siesta Sky Air

Siesta Sky Air indoor units	Controllers
AHQ-C ceiling suspended	• Standard infrared remote control in box of indoor unit ARCWLA • Wired remote control ARCWB • Optional group controller R04084124324
ABQ-C concealed ceiling	• Standard wired remote control (ARCWB) in box of indoor unit • Optional group controller R04084124324

	Feature		ARCWB
			AHQ-C / Standard for ABQ-C
1	ON/OFF switch		-
2	Temperature setting	Default range 16-30°C	-
		Optional range 20-30°C	•
		Switch between °C and °F	-
3	Room temperature sensor on remote control		-
4	Cool / Fan dry / Heat / Auto		-
5	Sleep mode		-
6	Fan Speed selection		-
7	Delay timer		••
8	7-days programmable timer		-
9	Real time clock display		-
10	Air swing selection	ON/OFF swing mode	-
		Change swing option (draft/soil prevention or standard)	-
11	LCD display without backlight		-
12	Key lock		-
13	Error code indication		-
14	IR receiver to enable compatibility with infrared remote control (disabled when lock function is activated)		-
15	Last state memory from indoor PCB		-
16	Silent mode		•
17	Turbo mode		•
18	Compressor test model (compressor force ON)		-
19	Daikin inverter error code		-
20	UART communication port (for Daikin protocol)		-
21	Backup battery		-

EKRUCBL/EKRUCBS/EKRUDAS

Wired remote control for Heating



EKRUCBL



EKRUCBS

- User friendly remote control with contemporary design
- For control of space heating, cooling and domestic hot water with among others reheat, scheduled and booster mode
- Easy to use: all main functions directly accessible
- An additional user interface can be a room thermostat in the space to be heated.
- Several languages possible depending on the model : English, German, Dutch, Spanish, Italian, French, Greek, Russian, etc.
- Easy commissioning: intuitive interface for advanced menu settings
- User friendly simplified remote control with contemporary design
- For control of space heating, cooling and domestic hot water, including booster mode
- Easy to use: all main functions directly accessible
- The simplified user interface can only be used in combination with the main user interface
- Use of universal symbols, no text
- EKRUDAS: Remote control only for Daikin Altherma 3. Features are limited to basic controls such as temperature management.

BRC073

Wired remote control for residential use



BRC073

- User friendly remote control with contemporary design
- Easy to use: all main functions directly accessible
- Easy commissioning: intuitive interface for advanced menu settings
- Optimise your air conditioning system by activating a series of energy saving functions (temperature range limit, setback function, off timer,…)
- Set up to 3 independent schedules, so the user can easily cange the schedule himself throughout the year (e.g. summer, winter, mid-season)
- Real time clock with auto update to daylight saving time
- Supports multiple languages (English, German, French, Italian, Spanish, Portuguese, Dutch, Czech, Croatian, Hungarian, Slovenian, Romanian, Bulgarian, Russian, Greek, Turnish, Polish, Serbian and Slovak) (depending on language package)
- Possibility to individually restrict menu functions
- Possibility to individually restrict each button
- Possibility to individually restrict each operation mode (Cooling, Heating, Auto, etc.)
- When a power failure occurs all settings remain stored and the clock keeps running for up to 48 hours thanks to the built-in backup power
- Setback operation maintains the indoor temperature at your specified comfort level during absence, thus saving energy

Note: Cable for wired remote control BRCW901A03 (3m) or BRCW901A08 (8m) required

ARC4*/BRC4*/BRC7*

Infrared remote control



ARC466A1



BRC4*/BRC7*

Operation buttons: ON / OFF, timer mode start / stop, timer mode on / off, programme time, temperature setting, air flow direction (1), operating mode, fan speed control, filter sign reset (2), inspection (2)/ test indication (2)
Display: Operating mode, battery change, set temperature, air flow direction (1), programmed time, fan speed, inspection / test operation (2)

1. Not applicable for FXDQ, FXSQ, FXNQ, FBDQ, FDXM, FBA
2. For FX** units only
3. For all features of the remote control, refer to the operation manual

Centralised control of the Sky Air and VRV system can be achieved via 3 user friendly compact remote controllers. These controls may be used independently or in combination with:
1 group = several (up to 16) indoor units in combination
1 zone = several groups in combination.
A centralised remote control is ideal for use in tenanted commercial buildings subject to random occupation, enabling indoor units to be classified in groups per tenant (zoning).
The schedule timer programmes the schedule and operation conditions for each tenant and the control can easily be reset according to varying requirements.

DCS302C51

Centralised remote control



Providing individual control of 64 groups (zones) of indoor units.

› a maximum of 64 groups (128 indoor units, max. 10 outdoor units) can be controlled
› a maximum of 128 groups (128 indoor units, max. 10 outdoor units) can be controlled via 2 centralised remote controls in separate locations
› zone control
› group control
› malfunction code display
› maximum wiring length of 1,000m (total: 2,000m)
› air flow direction and air flow rate of HRV can be controlled
› expanded timer function

DST301B51

Schedule timer



Enabling 64 groups to be programmed.

› a maximum of 128 indoor units can be controlled
› 8 types of weekly schedule
› a maximum of 48 hours back up power supply
› a maximum wiring length of 1,000m (total: 2,000m)

DCS301B51

Unified ON/OFF control



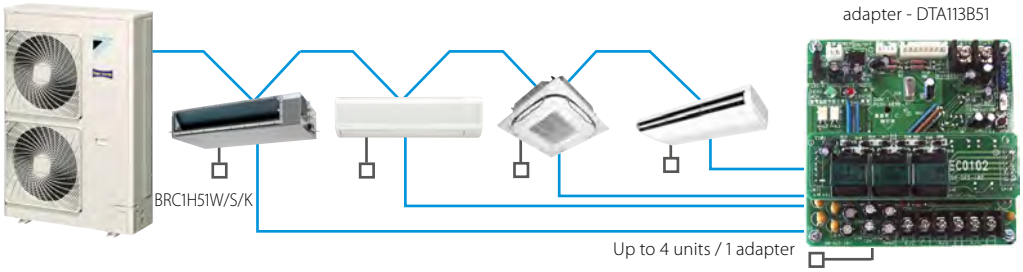
Providing simultaneous and individual control of 16 groups of indoor units.

› a maximum of 16 groups (128 indoor units) can be controlled
› 2 remote controls in separate locations can be used
› operating status indication (normal operation, alarm)
› centralised control indication
› maximum wiring length of 1,000m (total: 2,000m)

DTA113B51

Basic solution for control of Sky Air and VRV

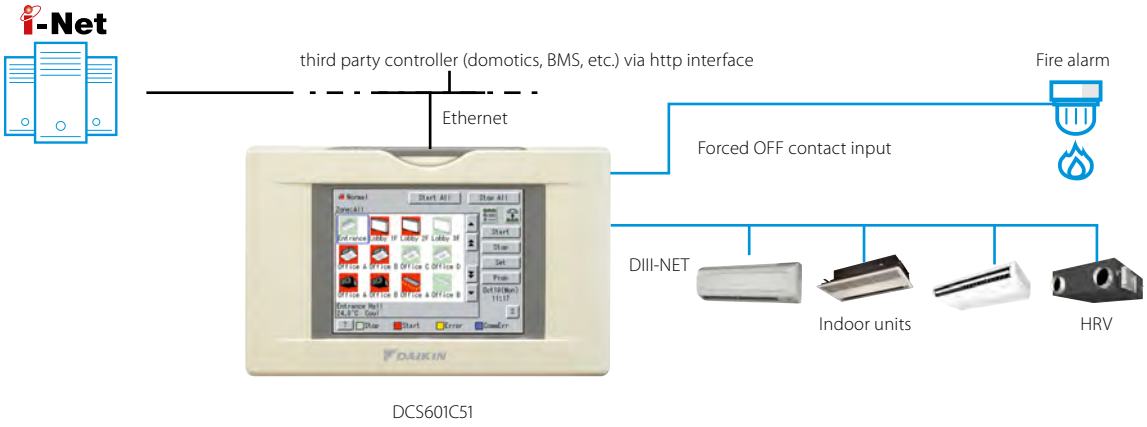
› Rotation function
› Backup operation function.



touch intelligent Controller

DCS601C51

Detailed & easy monitoring and operation of VRV systems (max. 64 indoor units groups).



Languages
› English
› French
› German
› Italian
› Spanish
› Dutch
› Portuguese

System layout
› Up to 64 indoor units can be controlled
› Touch panel (full colour LCD via icon display)

Control
› Individual control (set point, start/stop, fan speed) (max. 64 groups/indoor units)
› Set back shedule
› Enhanced scheduling function (8 schedules, 17 patterns)
› Flexible grouping in zones
› Yearly schedule
› Fire emergency stop control
› Interlocking control
› Increased HRV monitoring and control function
› Automatic cooling / heating change-over
› Heating optimization
› Temperature limit
› Password security: 3 levels (general, administration & service)
› Quick selection and full control
› Simple navigation

Monitoring
› Visualisation via Graphical User Interface (GUI)
› Icon colour display change function
› Indoor units operation mode
› Indication filter replacement

Cost performance
› Free cooling function
› Labour saving
› Easy installation
› Compact design: limited installation space
› Overall energy saving

Open interface
› Communication to any third party controller (domotics, BMS, etc.) is possible via open interface (http option DCS007A51)

Connectable to
› VRV
› HRV
› Sky Air
› Split (via interface adapter)

Intelligent Tablet Controller

DCC601A51

Advanced centralised controller with Cloud connection

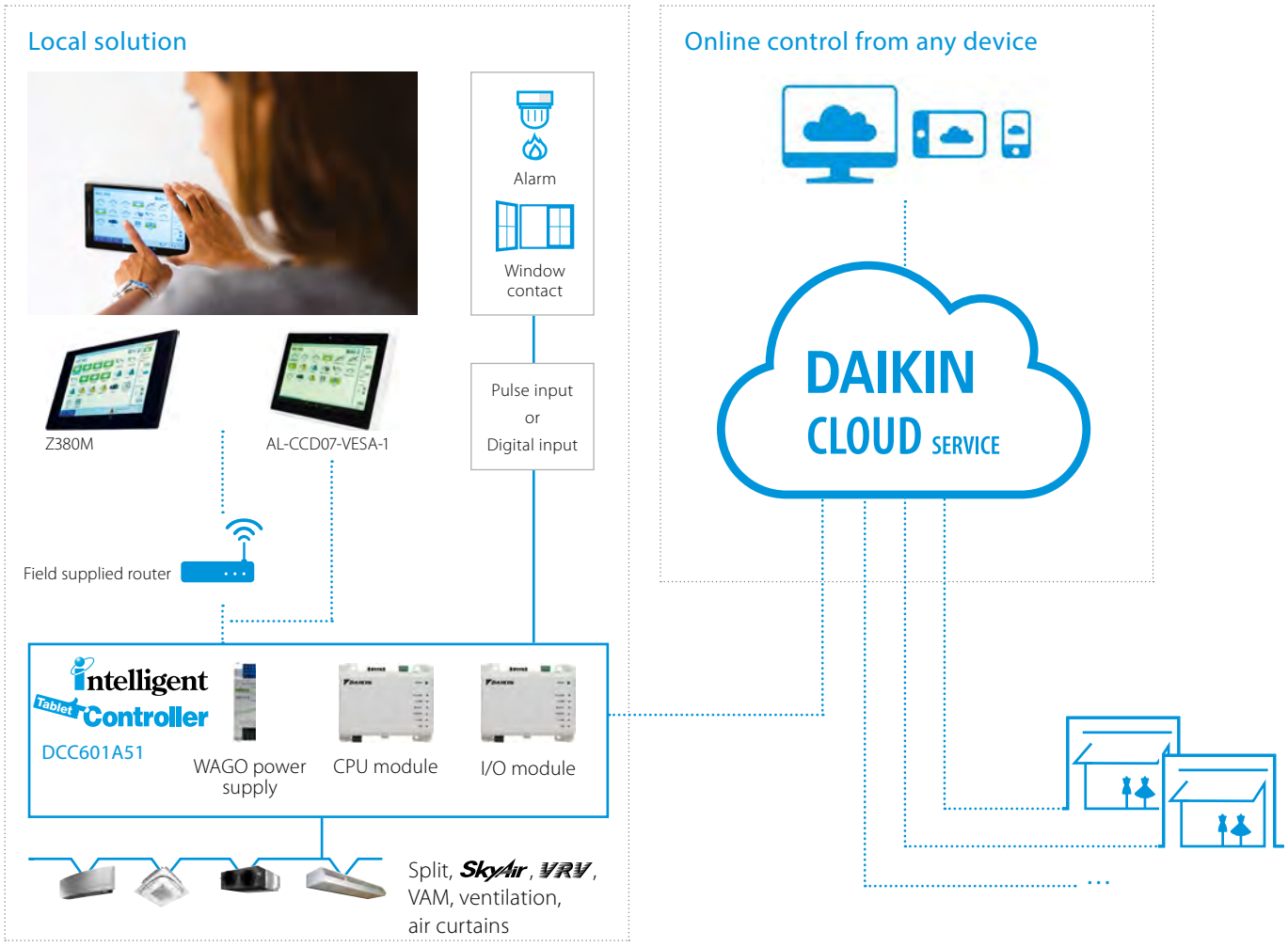
- Intuitive and user-friendly interface
- Flexible concept for stand alone and multi site applications
- Total solution thanks to integration of 3rd party equipment
- Monitor & control your small commercial building, no matter where you are

2 solutions:

Local solution
› Offline centralised control
› Stylish optional screen fits any interior

Cloud solution
› Flexible online control from any device (Laptop, tablet...)
› Monitor & control one or multiple sites
› Benchmark the energy consumption of different installations (1)
› Energy consumption follow-up to comply with local regulations

System layout



(1) For VRV and Sky Air R-32 ranges

Total solution

› Total solution thanks to a large integration of Daikin products and 3rd party equipment
› Connect a wide range of units (Split, Sky Air, VRV, Ventilation, Biddle air curtains)
› Simply control your entire building centrally
› Increased customer shopping experience by better management of your shop comfort level

Daikin Cloud Services

› Control your building no matter where you are
› Monitor and control multiple sites
› Installer or technical manager can remotely login to the cloud for first troubleshooting
› Benchmark the energy consumption of different installations (1)
› Manage & track your energy use

User friendly touch control

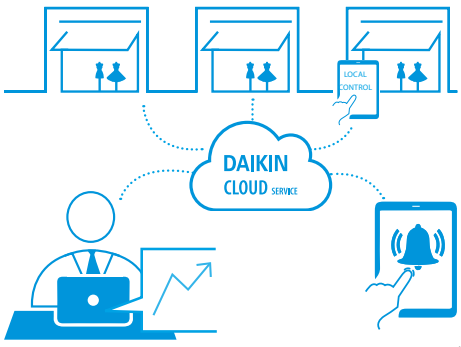
› Stylish Daikin supplied optional screen for local control fits any interior
› Intuitive and user-friendly interface
› Full solution with simple control
› Easy commissioning

Flexible

› Inputs via digital and pulse input for 3rd party equipment such as kWh meters, emergency input, window contact, …
› Modular concept allows your cloud to grow with your business
› Control up to 32 indoor units per controller and 320 units per site

(1) only available in combination with certain indoor units

From one to ∞ sites



Customer

Installer/ technical manager

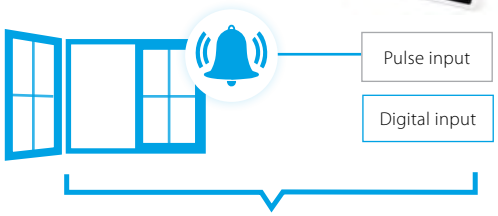


Intuitive control from the cloud



Easy follow up of energy consumption





Indoor uit

Functions overview

		Local solution	Cloud solution
Languages		Depends on local device	EN, DE, FR, NL, ES, IT, EL, PT, RU, TR, DA, SV, NO, FI, CS, HR, HU, PL, RO, SL, BG, SK
System layout	N° of connectable indoor units	32	32
	Multiple sites control		●
Monitoring & control	Basic control functions (ON/OFF, mode, filter sign, setpoint, fan speed, ventilation mode, room temperature, …)	●	●
	Remote control prohibition	●	●
	All devices ON/OFF	●	●
	Zone control		●
	Group control	●	●
	Weekly schedule	●	●
	Yearly schedule		●
	Interlock control	●	●
	Set point limitation		●
	Visualisation of energy use per operation mode		●
Connectable to	DX split, Sky Air, VRV	●	●
	VAM, VKM ventilation	●	●
	Air curtains	●	●

For available Daikin Cloud Service options refer to the option list

Mini BMS

with full integration across all product pillars

DCM601A51

touch intelligent Manager

- Price competitive mini BMS
- Cross-pillar integration of Daikin products
- Integration of third party equipment



NEW

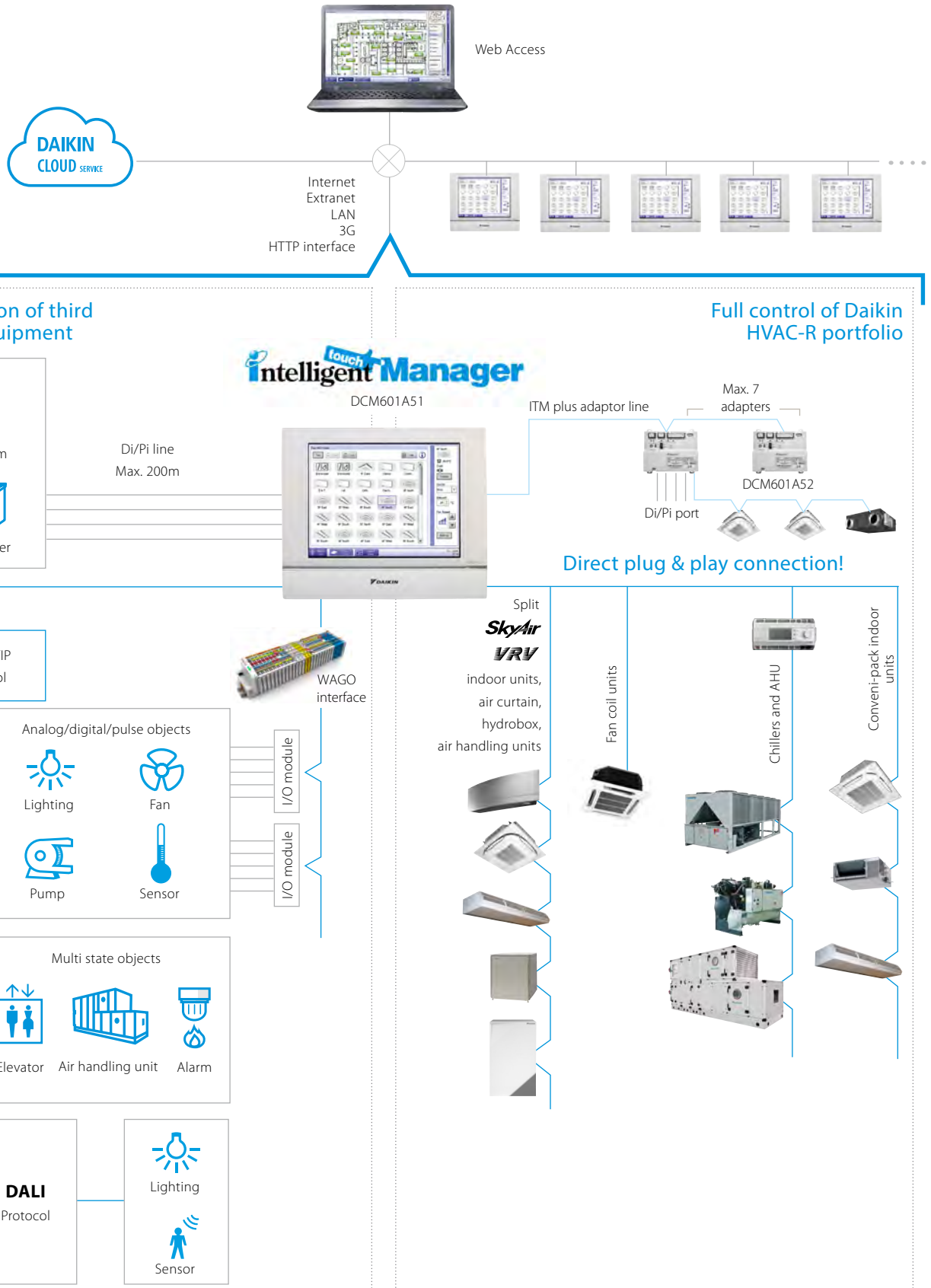
Download the WAGO selection tool from my.daikin.eu

› Easy selection of WAGO materials
› Material list creation
› Time saving
  - Includes wiring schemes
  - Contains commissioning/preset data for iTM

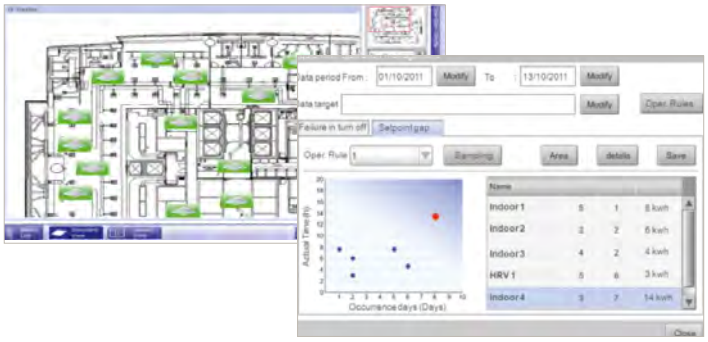
Check on YouTube

https://www.youtube.com/DaikinEurope

System overview



touch intelligent Manager



User friendliness

› Intuitive user interface
› Visual lay out view and direct access to indoor unit main funtions
› All functions direct accessible via touch screen or via web interface

Smart energy management

› Monitoring if energy use is according to plan
› Helps to detect origins of energy waste
› Powerful schedules guarantee correct operation throughout the year
› Save energy by interlocking A/C operation with other equipment such as heating

Flexibility

› Cross-pillar integration (heating, air conditioning, applied systems, refrigeration, air handling units)
› BACnet protocol for 3rd party products integration
› I/O for integration of equipment such as lights, pumps… on WAGO modules
› Modular concept for small to large applications
› Control up to 512 indoor unit groups via one ITM and combine multiple ITM via web interface

Easy servicing and commissioning

› Remote refrigerant containment check reducing on site visit
› Simplified troubleshooting
› Save time on commissioning thanks to the pre-commissioning tool
› Auto registration of indoor units

Plug & play



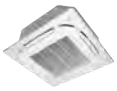

Split


Sky Air


VRV


Fan coils

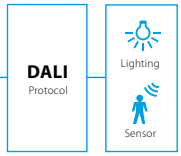

Chillers and AHU

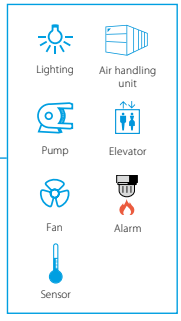

Conveni-pack indoor units

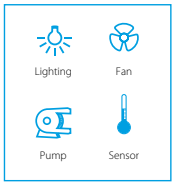

HRV ventilation

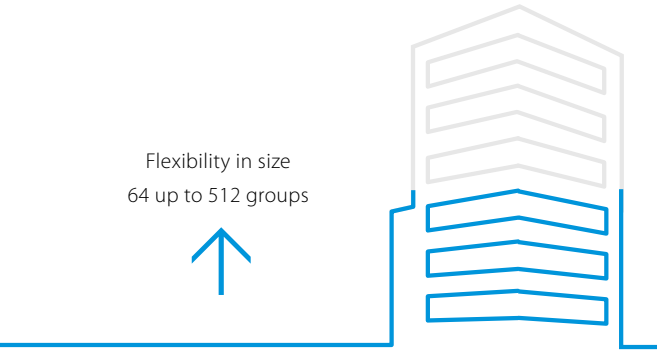



WAGO I/O









Functions overview

Languages
› English
› French
› German
› Italian
› Spanish
› Dutch
› Portuguese

Management
› Web access
› Power Proportional Distribution (option)
› Operational history (malfunctions, …)
› Smart energy management
- monitor if energy use is according to plan
- detect origins of energy waste
› Setback function
› Sliding temperature

WAGO Interface
› Modular integration of 3rd party equipment
- WAGO coupler (interface between WAGO and iTM)
- Di module
- Do module
- Ai module
- Ao module
- Thermistor module
- Pi module

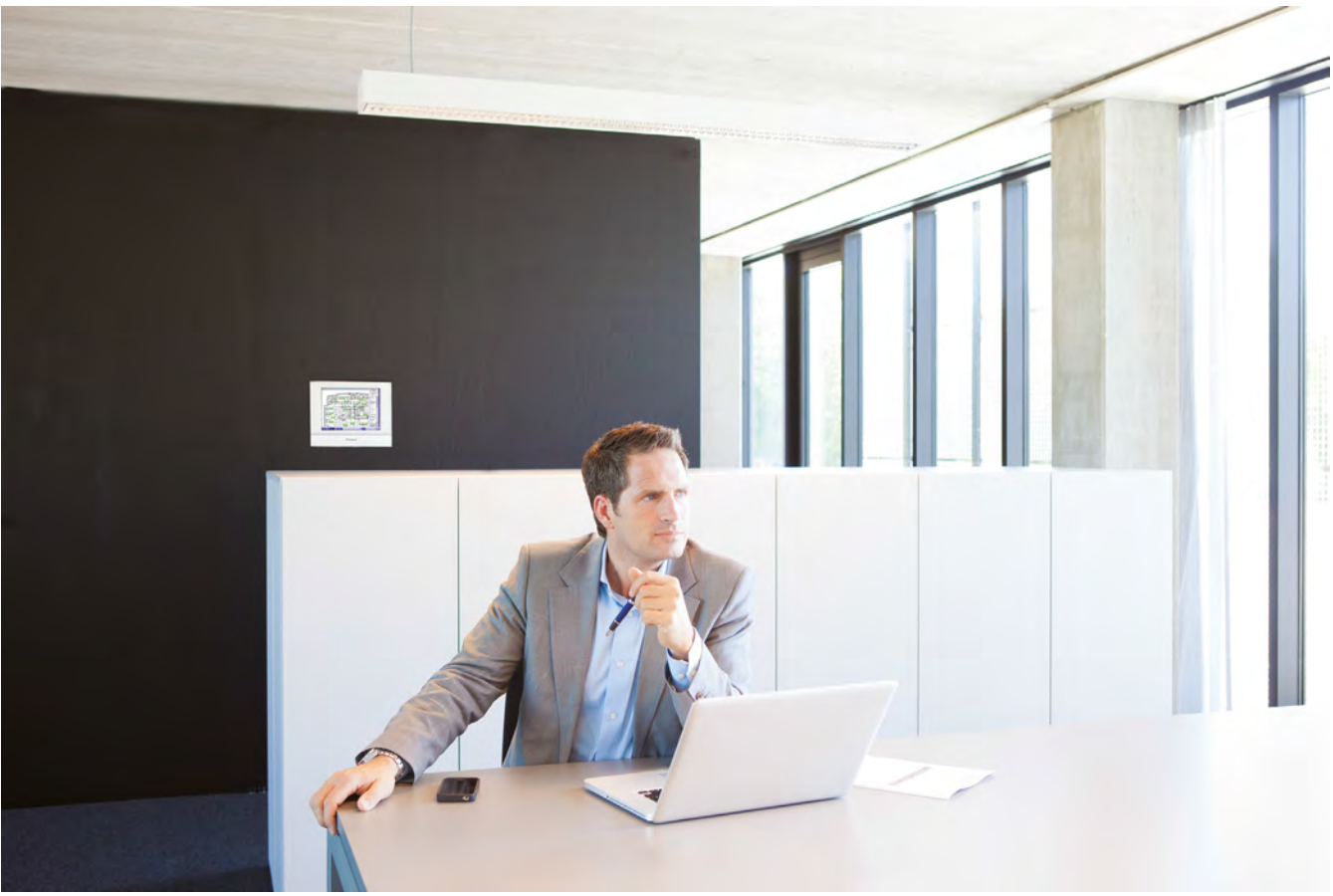
Open http interface
› Communication to any third party controller (domotics, BMS, etc.) is possible via http open interface (http option DCM007A51)

System layout
› Up to 512 unit groups can be controlled (ITM + 7 iTM Plus adapters)

Control
› Individual control (512 groups)
› Schedule setting (Weekly schedule, yearly calender, seasonal schedule)
› Interlock control
› Setpoint limitation
› Temperature limit

DALI integration
› Control and monitor the lights
› Easier facility management: receive error signal when light or light controller has a malfunction
› Flexible approach and less wiring needed, compared to classic light scheme
› Easier to make groups and control scenes
› Connection between intelligent Touch Manager and DALI through WAGO BACnet IP interface

Connectable to
- DX Split, Sky Air, VRV
- HRV
- Chillers (via MT3-EKCMBACIP controller)
- Daikin AHU (via MT3-EKCMBACIP controller)
- Fan coils
- Daikin Altherma Flex type
- LT and HT hydroboxes
- Biddle Air curtains
- WAGO I/O
- BACnet/IP protocol
- Daikin PMS interface (option DCM010A51)



Chiller intelligent Manager

Factory-engineered system control to manage a chiller plant room

Thus optimising its performance and increasing its reliability by:
› Optimal start-up, sequencing & staging of chillers
› Matching chiller capacity to load demand

iCM's main functionalities:

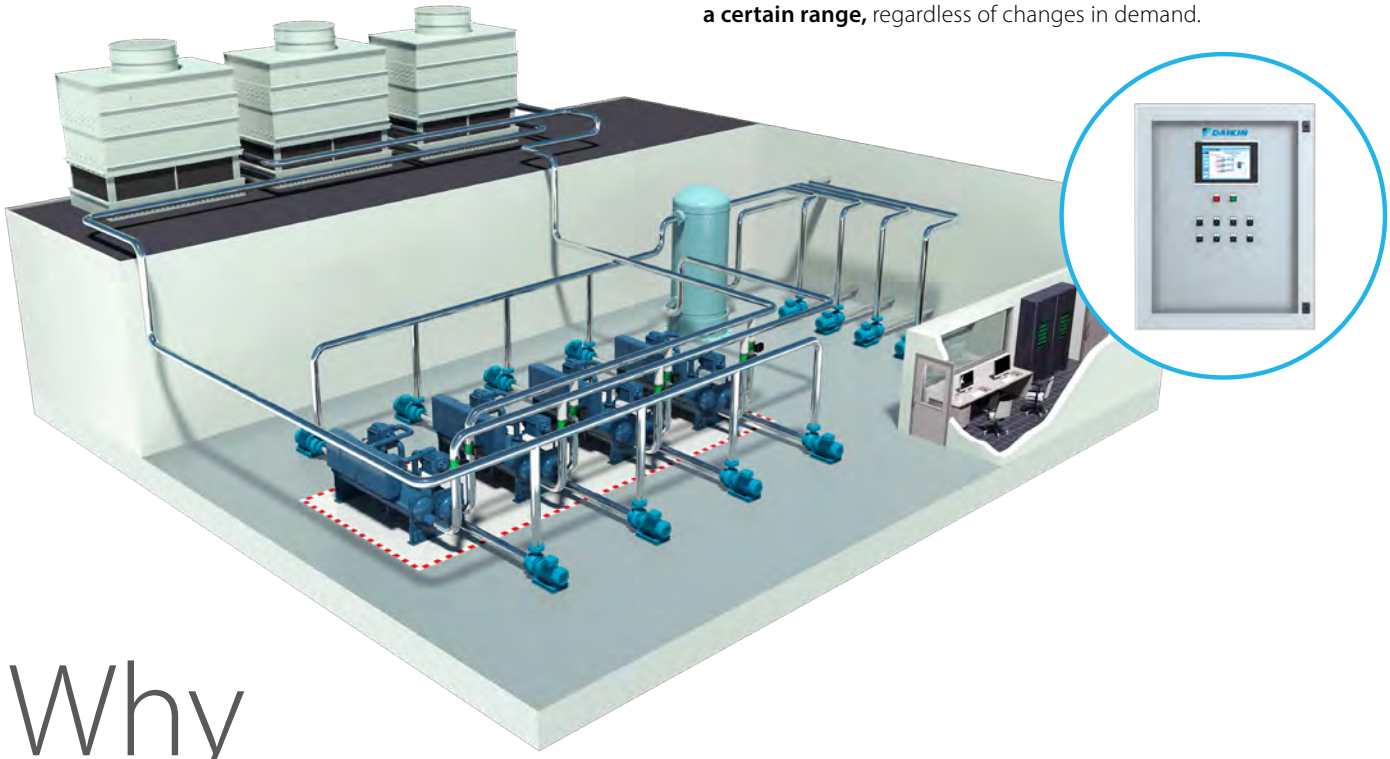
Availability
Determines whether chillers are available or not, based on:
› Inputs from the chiller unit controllers
› Modbus communication status
› Pump status

Sequencing
Optimises the order in which available chillers are turned on and off depending on operating hours, energy efficiency, etc.

Staging
Calculates **energy-optimal stage-up/stage-down** of the chiller by determining the increased capacity demand by capacity control, compensation of temperature and rotation. This function aims at providing the most energy-efficient combination of chillers on a continuous basis.

Stopping Last Chiller/Recycling
Captures a rise in demand when the **last chiller is staged down,** by operating the pump dedicated to the next ON chiller at a minimum VFD frequency.

Min/Max Operating Chiller Setting
Ensures that the number of operating chillers always **stays within a certain range,** regardless of changes in demand.



Why choose iCM?

› Optimise performance
› Increase reliability
› Reduce energy costs
› Reduce maintenance costs
› Factory-engineered and tested
› Remote control and monitoring. From one-time commissioning to real-time commissioning

Daikin is the best qualified partner to optimise the operation of a Daikin chiller plant room.

Product line-up
and specifications

iCM is available in two versions:

Standard

(Configuration)





(Basic)
(≤4 MT3 chillers)



(Light/Full)
(≤4/≤8 MT3 chillers
& peripherals)

Customised

(Free-programmable)

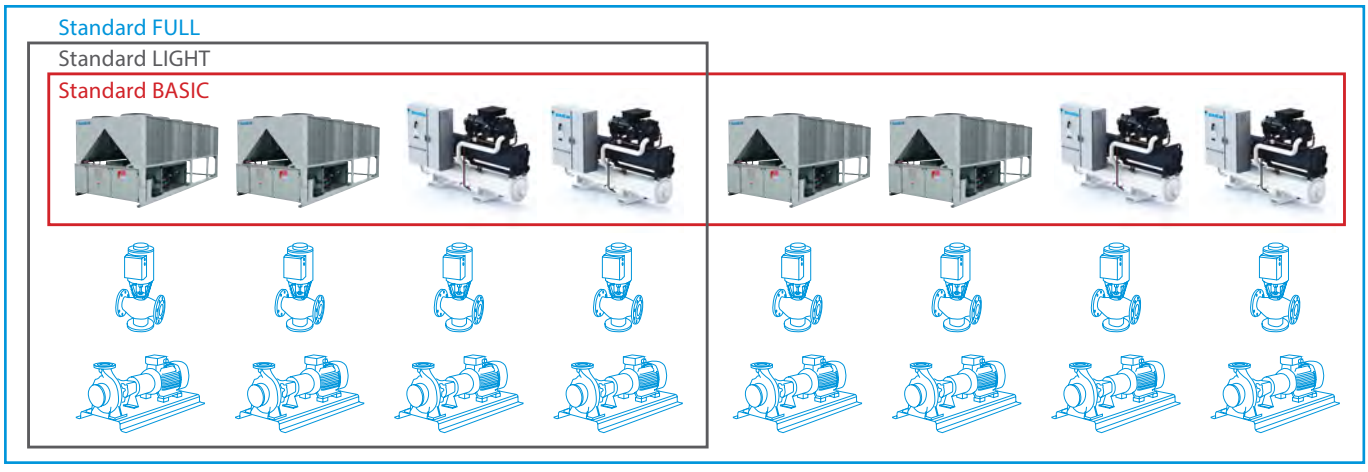




(Customised)

Standard version
Configurable controller with a pre-set library of applications.
The standard system is divided into three configurations according to how many chillers and peripherals it can manage.

Standard is the right solution for you when you have:
› Up to 8 x (Air cooled/Water Cooled Chillers + Shut-Off valves + Pumps + Cooling Towers)
› Daikin or 3rd party chillers
› A primary only, or a primary-secondary system
› Constant or variable primary (evaporator and condenser) flow
› Dedicated/manifolded layout



Customised version:
Free-programmable controller for those applications not covered by the Standard version.

Remote control and monitoring possibilities
(valid for both Standard and Customised versions)

› **Connectivity to Daikin's remote monitoring and control system (www.daikinonsite.com)** for remote monitoring and service providing Internet connection to the main controller
› **Integration with general BAS/BMS** offered through BACnet or Modbus Modules based on BACnet/IP or Modbus RTU/RS-485 protocols
› **Built-in HMI, Remote HMI, Web HMI and daikinonsite.com** are available for control and configuration

Modbus Interface

RTD

RTD-RA

› Modbus interface for monitoring and control of residential indoor units

RTD-NET

› Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM

RTD-10

› Advanced integration into BMS of Sky Air, VRV, VAM and VKM through either:
- Modbus
- Voltage (0-10V)
- Resistance

› Duty/standby function for server rooms

RTD-20

› Advanced control of Sky Air, VRV, VAM/VKM and air curtains
› Clone or independent zone control
› Increased comfort with integration of CO_2 sensor for fresh air volume control
› Save on running costs via
- pre/post and trade mode
- set point limitation
- overall shut down
- PIR sensor for adaptive deadband

RTD-HO

› Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM
› Intelligent hotel room controller

RTD-W

› Modbus interface for monitoring and control of Daikin Altherma Flex Type, VRV HT hydrobox and small inverter chiller



Overview functions







Main functions			RTD-RA	RTD-NET	RTD-10	RTD-20	RTD-HO
Dimensions	H x W x D	mm	80 x 80 x 37,5	100 x100 x 22			
Key card + window contact							✓
Set back function			✓				✓
Prohibit or restrict remote control functions (setpoint limitation, ...)			✓	✓	✓	✓**	✓
Modbus (RS485)			✓	✓	✓	✓	✓
Group control			✓(1)	✓	✓	✓	✓
0 - 10 V control					✓	✓	
Resistance control					✓	✓	
IT application			✓		✓		
Heating interlock					✓	✓	
Output signal (on/defrost, error)					✓	✓****	✓
Retail application						✓	
Partitioned room control						✓	
Air curtain				✓***	✓***	✓	

(1): By combining RTD-RA devices

Control functions	RTD-RA	RTD-NET	RTD-10	RTD-20	RTD-HO
On/Off	M,C	M	M,V,R	M	M*
Set point	M	M	M,V,R	M	M*
Mode	M	M	M,V,R	M	M*
Fan	M	M	M,V,R	M	M*
Louver	M	M	M,V,R	M	M*
HRV Damper control		M	M,V,R	M	
Prohibit/Restrict functions	M	M	M,V,R	M	M*
Forced thermo off	M				

Monitoring functions	RTD-RA	RTD-NET	RTD-10	RTD-20	RTD-HO
On/Off	M	M	M	M	M
Set point	M	M	M	M	M
Mode	M	M	M	M	M
Fan	M	M	M	M	M
Louver	M	M	M	M	M
RC temperature		M	M	M	M
RC mode		M	M	M	M
N° of units		M	M	M	M
Fault	M	M	M	M	M
Fault code	M	M	M	M	M
Return air temperature (Average /Min/Max)	M	M	M	M	M
Filter alarm		M	M	M	M
Termo on	M	M	M	M	M
Defrost		M	M	M	M
Coil In/Out temperature	M	M	M	M	M



Main functions			RTD-W
Dimensions	H x W x D	mm	100x100x22
On/off prohibition			✓
Modbus RS485			✓
Dry contact control			✓
Output signal (operation error)			✓
Space heating / cooling operation			✓
Domestic hot water control			✓
Smart Grid control			

Control functions	
On/Off Space heating/cooling	M,C
Set point leaving water temperature (heating / cooling)	M,V
Room temperature setpoint	M
Operation mode	M
Domestic Hot water ON	
Domestic Hot Water reheat	M,C
Domestic Hot Water reheat setpoint	
Domestic Hot Water storage	M
Domestic Hot Water Booster setpoint	
Quiet mode	M,C
Weather dependent setpoint enable	M
Weather dependent curve shift	M
Fault/pump info relay choice	
Control source prohibition	M

Smart grid mode control	
Prohibit Space heating/cooling	
Prohibit DHW	
Prohibit Electric heaters	
Prohibit All operation	
PV available for storage	
Powerful boost	

Monitoring functions	
On/Off Space heating/cooling	M,C
Set point leaving water temperature (H/C)	M
Room temperature setpoint	M
Operation mode	M
Domestic Hot Water reheat	M
Domestic Hot Water storage	M
Number of units in the group	M
Average leaving water temperature	M
Remocon room temperature	M
Fault	M,C
Fault code	M
Circulation pump operation	M
Flow rate	
Solar pump operation	
Compressor status	M
Desinfection operation	M
Setback operation	M
Defrost/ start up	M
Hot start	
Booster Heater operation	
3-Way valve status	
Pump running hours accumulated	M
Compressor running hours accumulated	
Actual leaving water temperature	M
Actual return water temperature	M
Actual DHW tank temperature (*)	M
Actual refrigerant temperature	
Actual outdoor temperature	M

M : Modbus / R : Resistance / V : Voltage / C: control
* : only when room is occupied / ** : setpoint limitation / (*) if available
*** : no fan speed control on the CYV air curtain / **** : run & fault

DIII-net Modbus interface

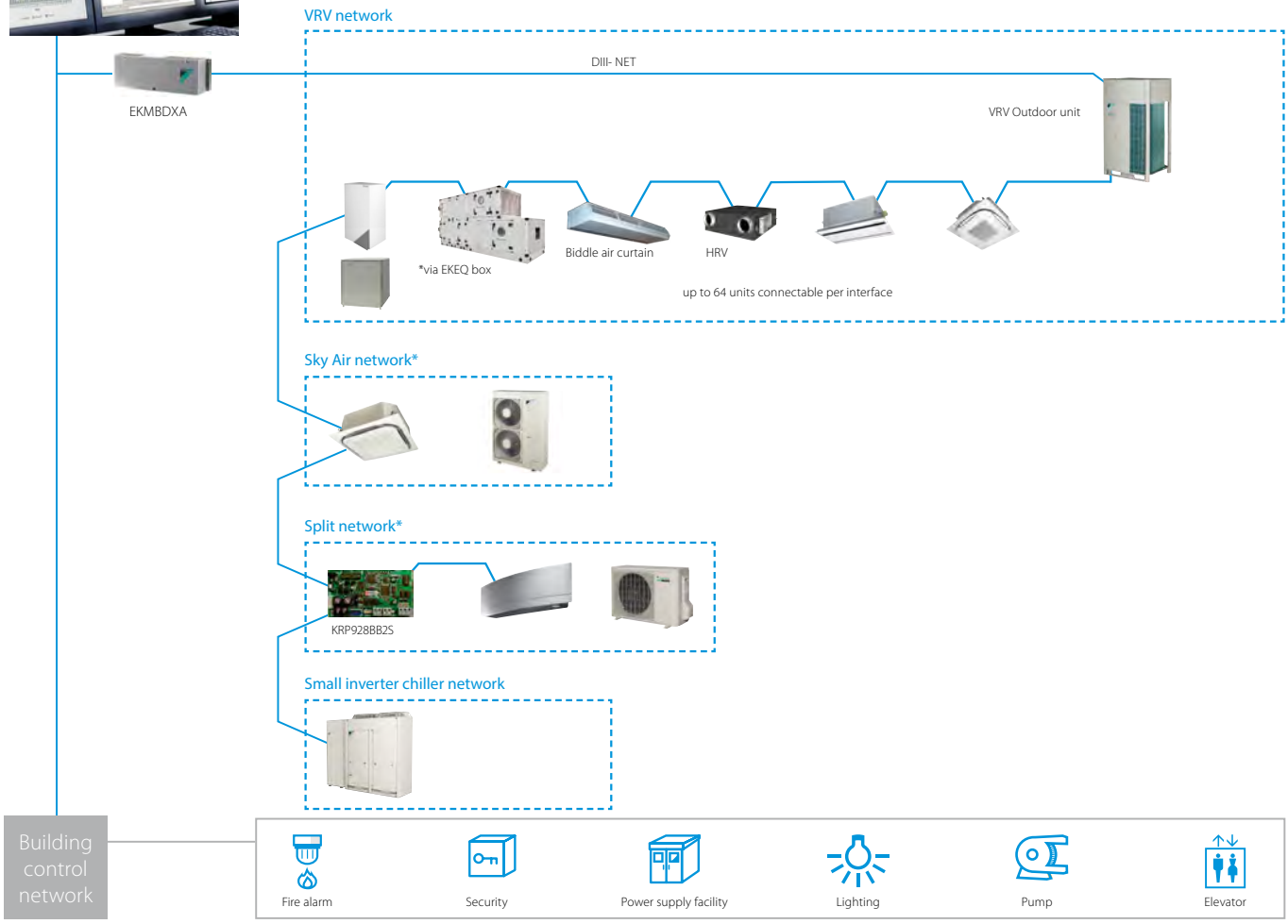


EKMBDXA

Integrated control system for seamless connection between Split, Sky Air, VRV and small inverter chillers and BMS systems

› Communication via Modbus RS485 protocol
› Detailed monitoring and control of the VRV total solution
› Easy and fast installation via DIII-net protocol
› As the Daikin DIII-net protocol is being used, only one modbus interface is needed for a group of Daikin systems (up to 10 outdoor units systems).



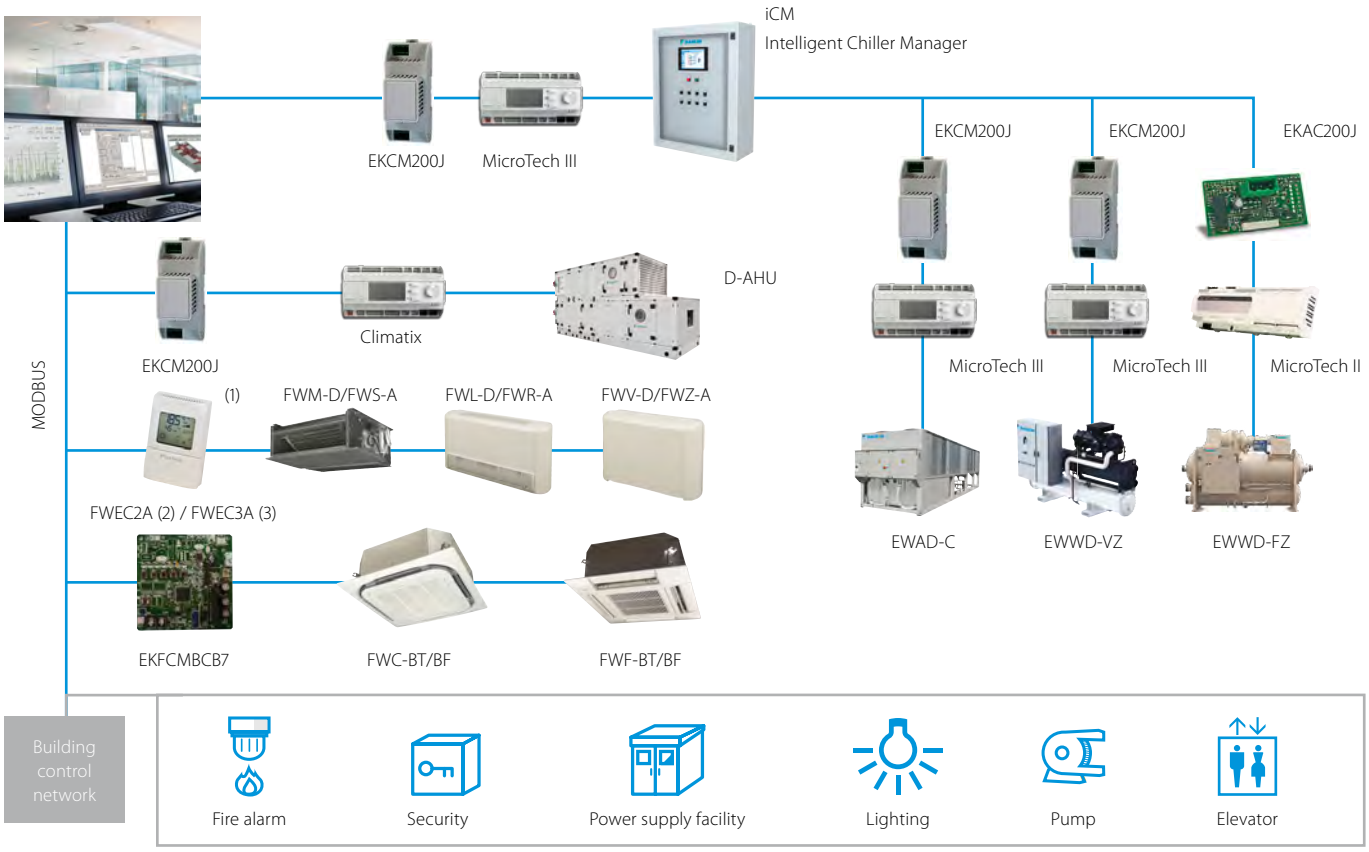


* Additional centralized controller might be required. For more information contact your local dealer.

			EKMBDXA7V1
Maximum number of connectable indoor units			64
Maximum number of connectable outdoor units			10
Communication	DIII-NET - Remark		DIII-NET (F1F2)
	Protocol - Remark		2 wire; communication speed: 9600 bps or 19200 bps
	Protocol - Type		RS485 (modbus)
	Protocol - Max. Wiring length	m	500
Dimensions	HeightxWidthxDepth	mm	124x379x87
Weight		kg	2.1
Ambient temperature - operation	Max.	°C	60
	Min.	°C	0
Installation			Indoor installation
Power supply	Frequency	Hz	50
	Voltage	V	220-240

Modbus interface

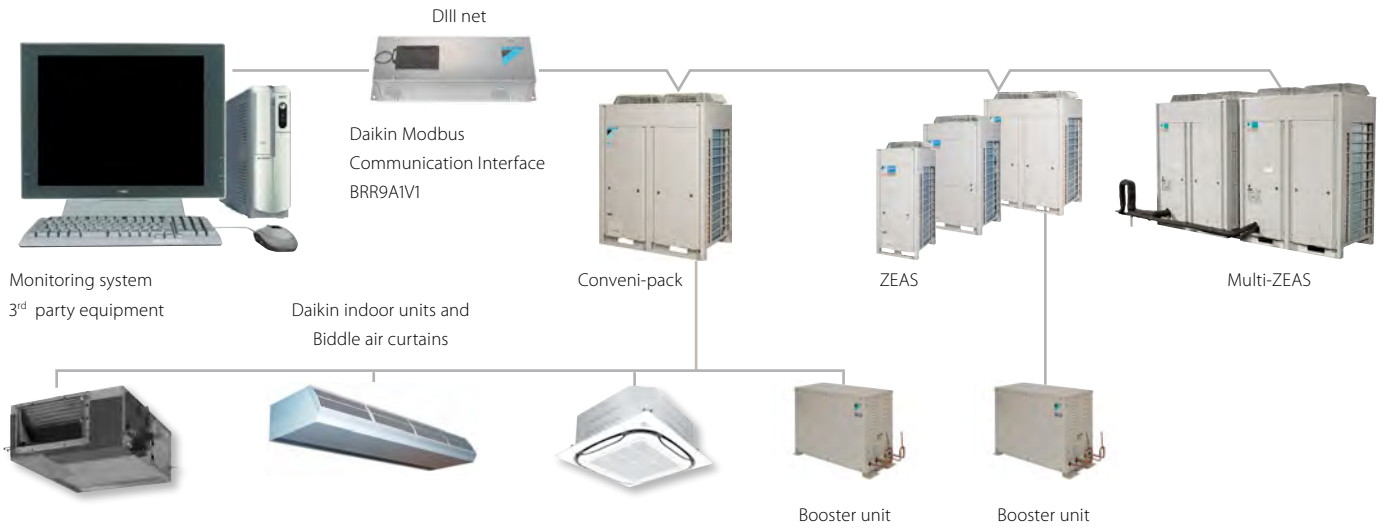
Integrate chillers, fan coil units and air handling units in BMS systems via modbus protocol



(1) The communication module is integrated in the controller (2) Connection to FWV-D, FWL-D & FWM-D (3) Connection to FWV-D, FWL-D, FWM-D and to FWZ-A, FWR-A, FWS-A

Integrate Refrigeration units in BMS systems via modbus protocol

BRR9A1V1



* For all connectable indoor units and Biddle air curtains please refer to the Conveni-pack pages in this catalogue

KNX interface

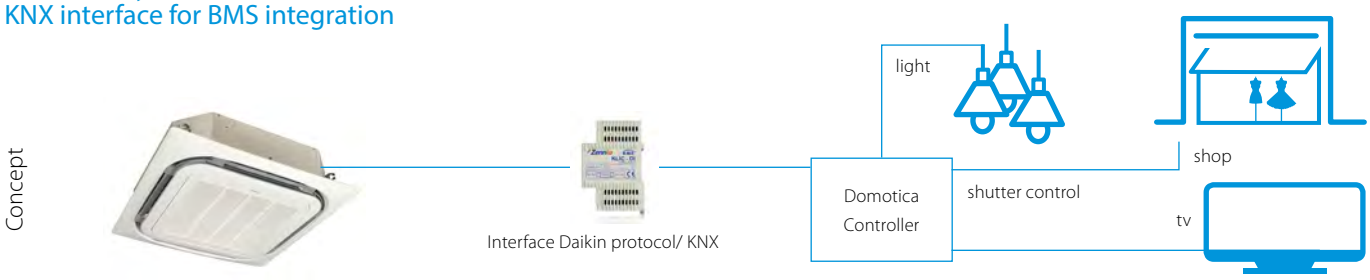
KLIC-DD
KLIC-DI

Integration of Split, Sky Air and VRV in HA/BMS systems

Connect split indoor units to KNX interface for Home Automation system



Connect Sky Air / VRV indoor units to KNX interface for BMS integration



KNX interface line-up

The integration of Daikin indoor units through the KNX interface allows monitoring and control of several devices, such as lights and shutters, from one central controller. One particularly important feature is the ability to programme a 'scene' - such as "Home leave" - in which the end-user selects a range of commands to be executed simultaneously once the scenario is selected. For instance in "Home leave", the air conditioner is off, the lights are turned off, the shutters are closed and the alarm is on.

KNX interface for

	 KLIC-DD Size 45x45x15mm	 KLIC-DI Size 90x60x35mm	
	Split	**Sky Air**	**VRV**
Basic control			
On/Off	●	●	●
Mode	Auto, heat, dry, fan, cool	Auto, heat, dry, fan, cool	Auto, heat, dry, fan, cool
Temperature	●	●	●
Fan speed levels	3 or 5 + auto	2 or 3	2 or 3
Swing	Stop or movement	Stop or movement	Swing or fixed positions (5)
Advanced functionalities			
Error management	Communication errors, Daikin unit errors		
Scenes	●	●	●
Auto switch off	●	●	●
Temperature limitation	●	●	●
Initial configuration	●	●	●
Master and slave configuration		●	●

PMS Interface

DCM010A51

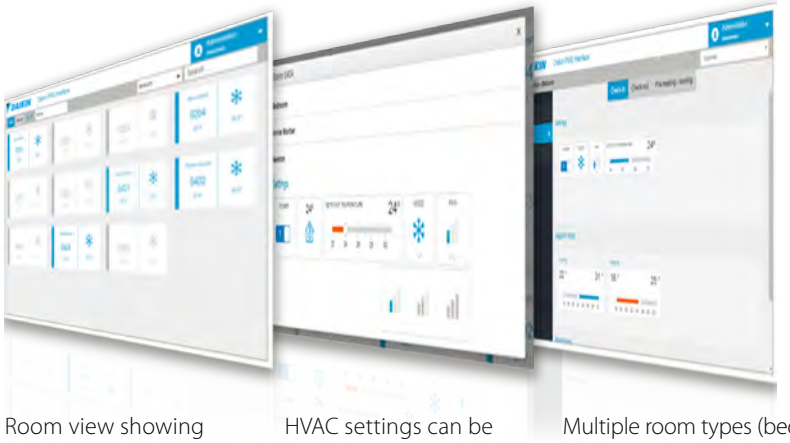
Hotel interface connecting

Daikin HVAC with Oracle

Property Management Systems

Features

- User-friendly interface for easy front desk support in hotels, conference centers, …
- Compatible with Oracle Opera PMS (formerly known as Micros Fidelio)
- Automated push of indoor unit settings based on the Opera PMS Check-In and Check-Out commands
- Energy saving thanks to the possibility to limit temperature setpoint
- Up to 5 customized operation profiles based on weather conditions
- Available in 23 languages
- Up to 2,500 units / rooms can be managed



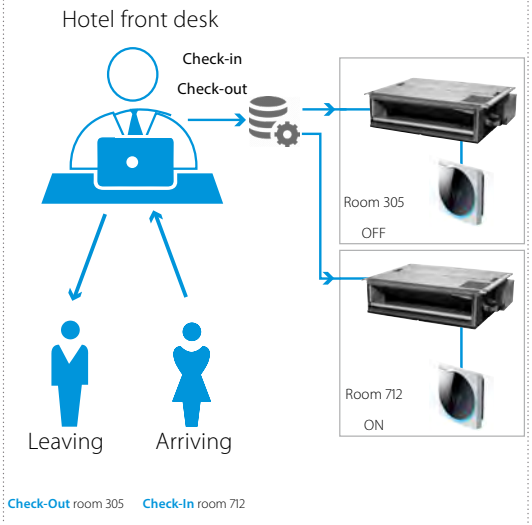
Room view showing room status: check-in, check-out, pre-heating / cooling status, room temperature and A/C status

HVAC settings can be easily observed and changed by the reception desk

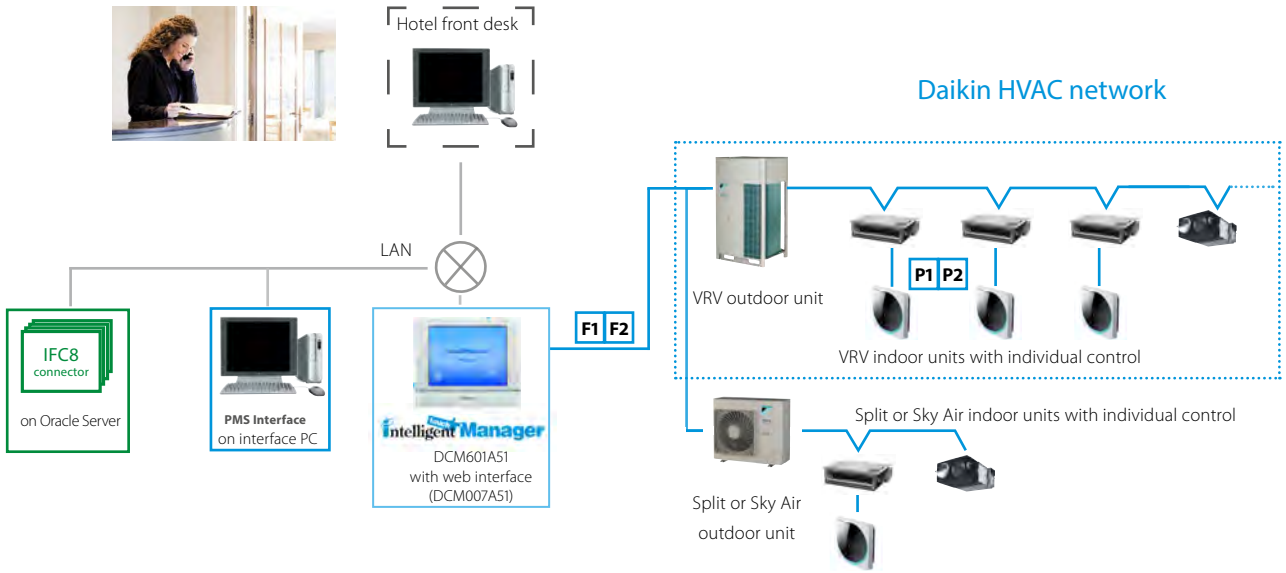
Multiple room types (bed-room, meeting room, …) can be defined with customized A/C settings for each type

Hotel case example:

› On check-in the HVAC for the room is automatically switched on
› On check-out the HVAC for the room is automatically switched off.
› Increased hotel customer experience by pre-heating / cooling of booked rooms



Simplified configuration of Daikin PMS interface

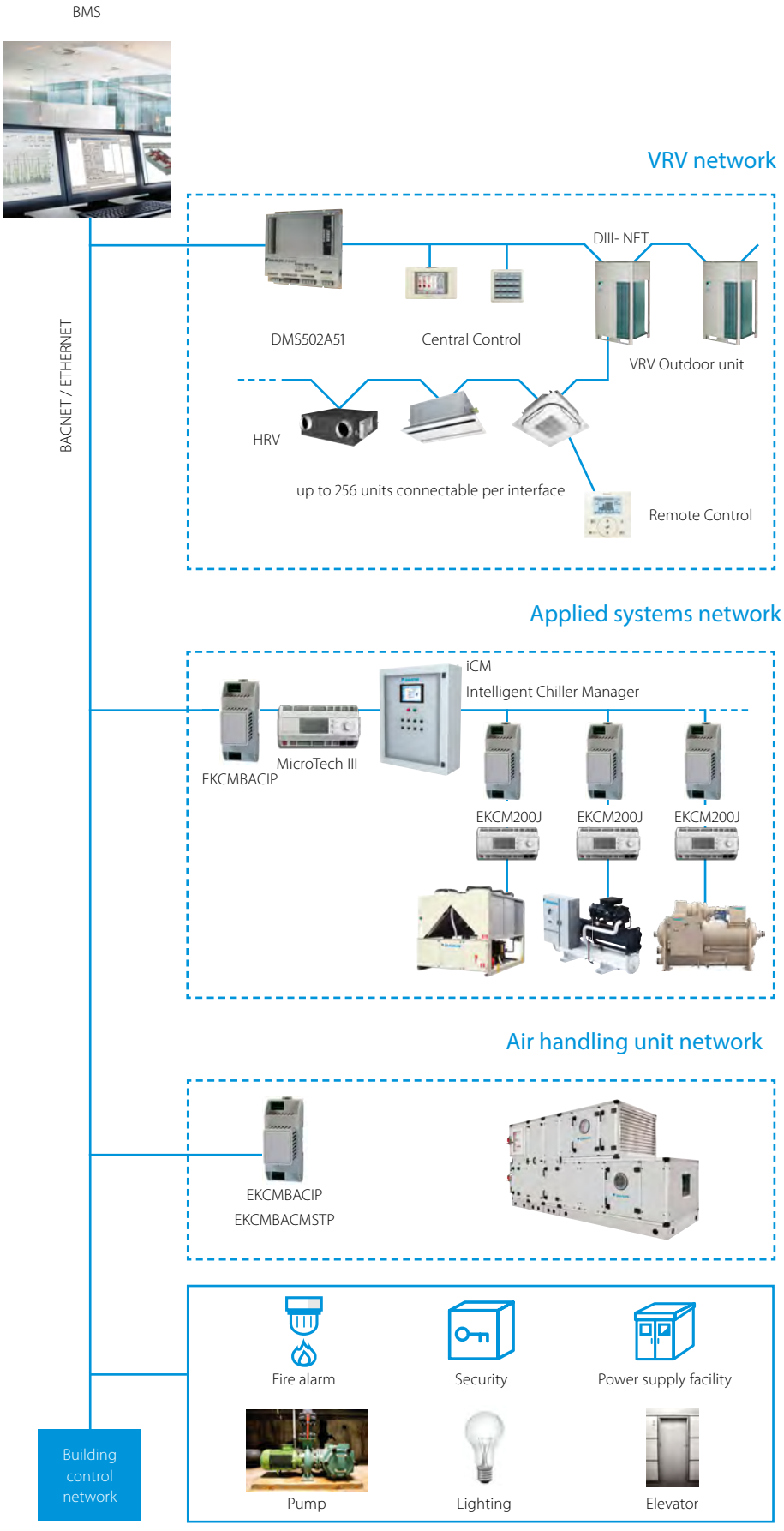


BACnet Interface

DMS502A51 / EKACBACMSTP / EKCMBACIP / EKCMBACMSTP

Integrated control system for seamless connection between VRV, applied systems, air handling units and BMS systems

- Interface for BMS system
- Communication via BACnet protocol (connection via Ethernet)
- Unlimited site size
- Easy and fast installation
- PPD data is available on BMS system (only for VRV)

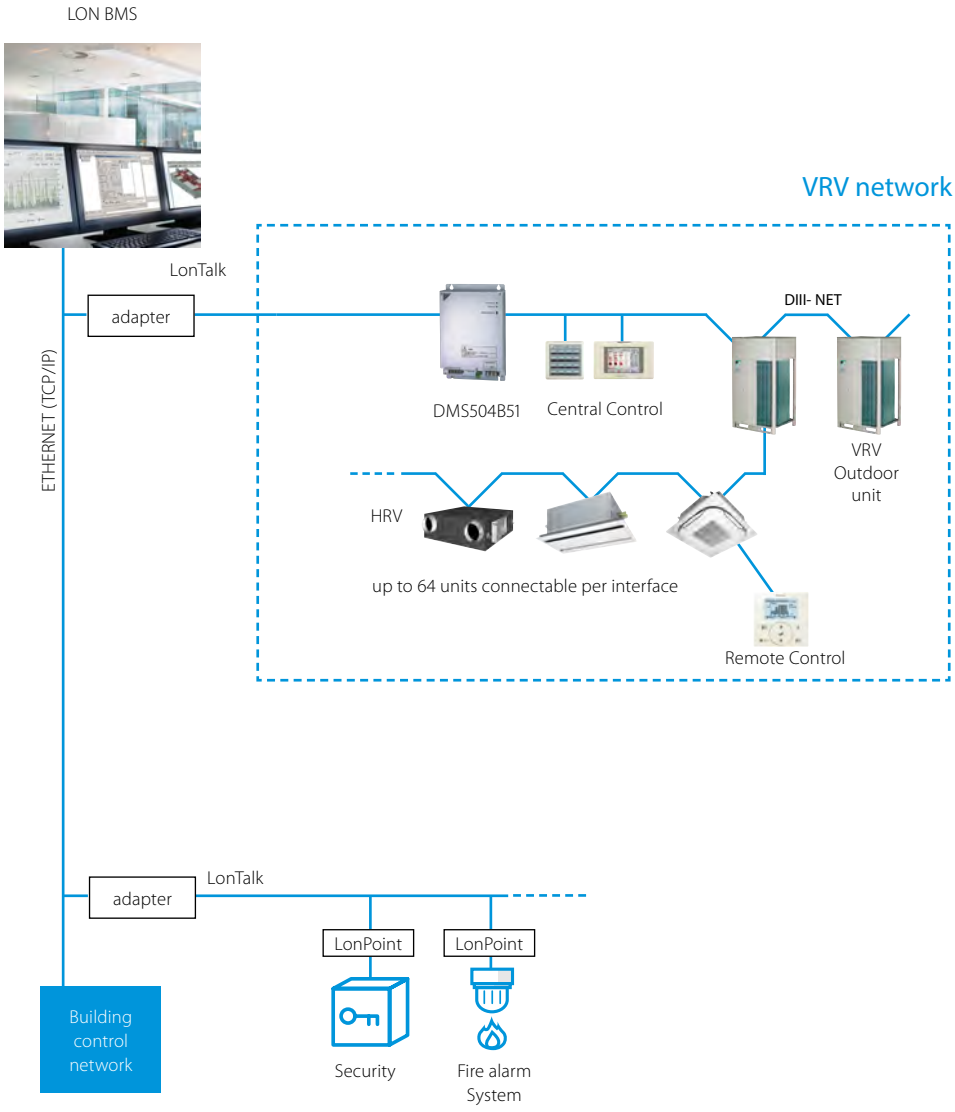


LonWorks Interface

DMS504B51

Open network integration of VRV monitoring and control functions into LonWorks networks

- Interface for Lon connection to LonWorks networks
- Communication via Lon protocol (twisted pair wire)
- Unlimited sitesize
- Quick and easy installation



Daikin Cloud Service

to achieve optimal operation

Daikin Cloud Service is a cloud-based remote control and monitoring solution for DX systems. Using enhanced control, monitoring and predictive logic, Daikin Cloud Service provides real-time data and support from Daikin experts to help you identify cost-saving opportunities, increase the lifetime of your equipment and reduce the risk of unexpected issues.

Monitor & control* your system no matter where you are while teaming up with Daikin experts

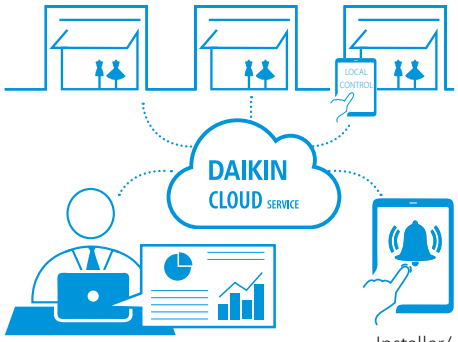
Remote control and energy visualisation

Puts you in the driving seat of your energy management

- ☑ Control and monitor your premises, wherever you are
- ☑ Centralised control and monitoring of all your premises
- ☑ Check errors remotely without having to go on site
- ☑ Visualise energy consumption and reduce energy waste by comparing different premises

Multi-site monitoring

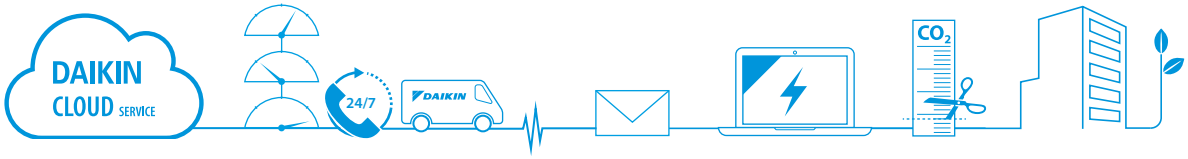
From one to an ∞ number of sites



Remote support and diagnostics

Daikin specialist supervision, so you can focus on your core business

- ☑ Early warning of system deviations to maximise system uptime and avoid emergency repairs**
- ☑ Service providers have access to operational data so they arrive on site prepared
- ☑ Remote expert assistance in case of errors



Advice and optimisation

Get the best out of your system through expert advice

- ☑ Periodical analysis and optimisation report by experts
- ☑ Personalised actions to maximise energy efficiency and comfort
- ☑ Increased system lifetime as the system runs as it should

Daikin Cloud Service requires a subscription. Contact your local sales representative for more information.

* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

** Only available for VRV systems

Daikin Cloud Service packages

	Control and monitoring	Remote support and diagnostics	Advice and optimisation
Remote control, scheduling and interlocking	✓ (DCC601A51 only)	✓ (DCC601A51 only)	✓ (DCC601A51 only)
Energy monitoring	✓	✓	✓
Multi-site benchmark	✓	✓	✓
Alarm history and e-mail notifications**	✓	✓	✓
Predictions and e-mail notifications**	✗	✓	✓
Operational data access	✗	✓	✓
Indoor use analysis	✗	✓	✓
Outdoor use analysis	✗	✓	✓
Remote diagnostic and support from Daikin	✗	✓	✓
Periodical analysis and optimisation advice from Daikin	✗	✗	✓
Can be combined with maintenance programmes: - Technical inspection - Preventive Maintenance Plan - Comprehensive Maintenance Plan	✗	✗	✓

Packages subject to local availability
Daikin Cloud Service replaces VRV Cloud and i-Net services.

Flexible solution

Manage your premises according to your needs, using a local control or remotely via Daikin Cloud Service, or a combination of both.

Control*, no matter where you are

Daikin Cloud Service gives you full control of one or more premises wherever you are, using your PC, tablet or smartphone.

Predictive logic for VRV to prevent breakdowns

The operational data is continuously analysed by Daikin algorithms to predict potential failures and avoid unexpected costs.

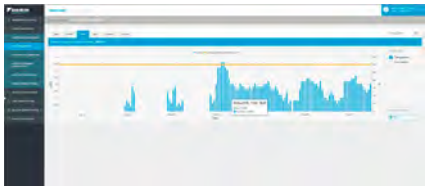
Compatible with:

› Intelligent Tablet Controller (DCC601A51)
› Intelligent Touch Manager (DCM601A51) + IoT gateway
› LC8 + IoT gateway


1. Monitor and control your system


2. Compare energy use with target


3. Compare energy use from multiple sites


4. Detailed energy consumption follow up


5. Follow up of alarm and fault prediction

* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

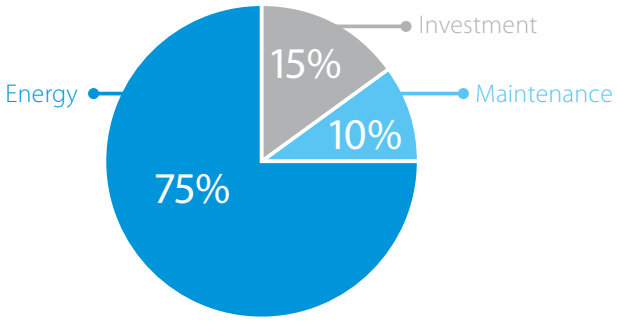
** Only available for VRV systems

Why
Daikin on Site?

Operating costs like energy and maintenance typically account for 85% of the system's total lifetime cost. Undiscovered energy waste and incorrect operation will increase costs and can even lead to unscheduled interruptions.

Using Daikin on Site monitoring results in optimum use and costs over the system's entire lifetime:

› Enhanced control and measuring
› Monitors the system
› Reduces risks at the earliest possible moment
› Keeps the system running as it was intended to



Typical Life cycle Cost of a chiller (15 years)

What
is Daikin on Site?

A solution for customer specific needs

The Daikin on Site cloud server collects operational data from the control system of a Daikin chiller or air handling unit plant.
Daikin's Smartcentre then turns this data into useful information on a web user interface.
Daikin on Site has predefined user roles like:
› **operator**
› **service provider**
› **Daikin specialists**

The Daikin on Site platform's features are designed to:
› Increase uptime, reduce unscheduled interruptions
› Optimise efficiency and reduce energy waste
› Increase lifetime and avoid wear by misuse
› Give insight into the optimum use of equipment, including advice from a Daikin expert

We will combine Daikin on Site remote monitoring with the complementary service programme best suited to your needs.

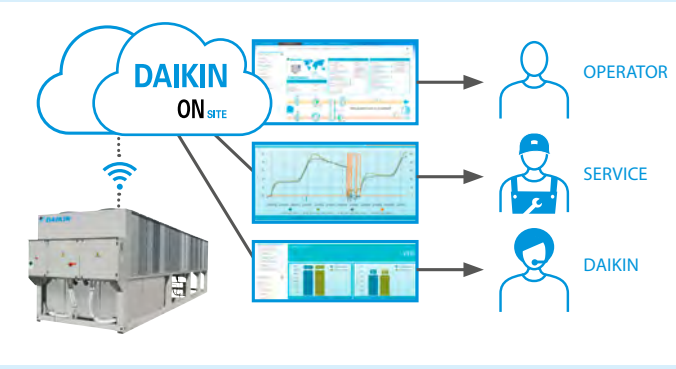


How does Daikin on Site deliver?

1 **Insight wherever and whenever required, full visibility and traceability of the HVAC installation.**
- Real-time information and trend insights
- No local software required
- Personal access to the web-based user interface
- Reports

2 **With Daikin on Site, we team up operators and specialists.**
- User-friendly operator information
- State-of-the art tool providing best-in-class service
- Remote solutions when possible, avoiding on site interventions

3 **Converting all expertise to maintain highest energy efficiency and uptime.**



Alerts & web application
- 24/7 year-round alarm and event monitoring
- Automated alarm system
- Receive service updates or notifications via email
- Access to Daikin on Site web application

Active monitoring
- Remote alarm analysis and diagnostics provided by Daikin Experts
- Fast and reliable on site service

Connected Service Plan
- Remote alarm analysis and diagnostics provided by Daikin Experts
- Fast and reliable on site service
- All initiatives are combined with the most suitable Daikin Service Plan

ACTION TAKEN



You can hand it to us

SMARTCENTRE
Turns data into actions



CLOUD DATA WAREHOUSE

Encrypted data transfer

Daikin Configurator Software

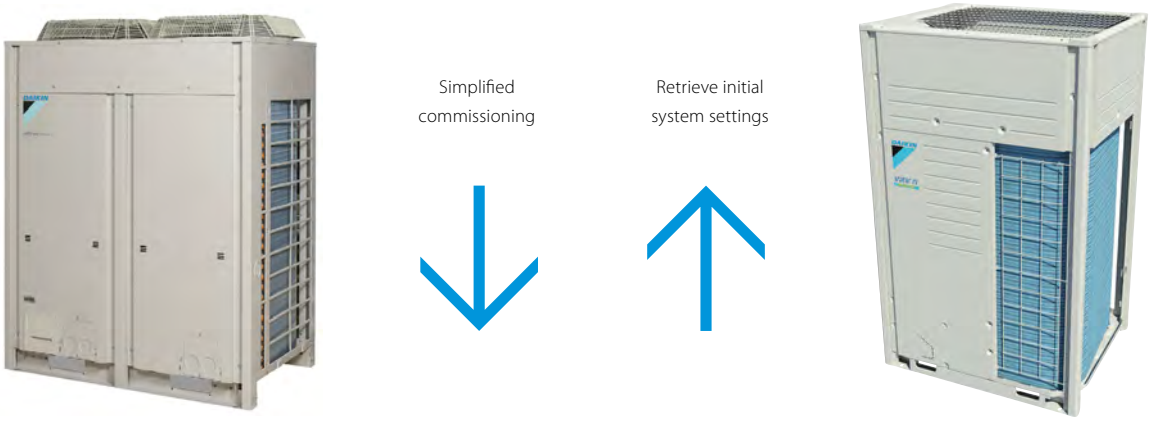
EKPCCAB3

Simplified commissioning: graphical interface to configure, commission and upload system settings

Simplified commissioning

The Daikin configurator for Daikin Altherma and VRV is an advanced software solution that allows for easy system configuration and commissioning:

› Less time is required on the roof configuring the outdoor unit
› Multiple systems at different sites can be managed in exactly the same way, thus offering simplified commissioning for key accounts
› Initial settings on the outdoor unit can be easily retrieved





Wireless room temperature sensor

K.RSS

Flexible and easy installation

› Accurate temperature measurement thanks to flexible placement of the sensor
› No need for wiring
› No need to drill holes
› Ideal for refurbishment

Connection diagram Daikin indoor unit PCB (FXSQ example)



Specifications

			Wireless room temperature sensor kit (K.RSS)	
			Wireless room temperature receiver	Wireless room temperature sensor
Dimensions		mm	50 x 50	ø 75
Weight		g	40	60
Power supply			16VDC, max. 20 mA	N/A
Battery life			N/A	+/- 3 years
Battery type			N/A	3 Volt Lithium battery
Maximum range		m	10	
Operation range		°C	0~50	
Communication	Type		RF	
	Frequency	MHz	868.3	

› Room temperature is sent to the indoor unit every 90 seconds or if the temperature difference is 0.2°C or larger.

Wired room temperature sensor

KRCS01-1B
KRCS01-4B



› Accurate temperature measurement, thanks to flexible placement of the sensor

Specifications

Dimensions (HxW)	mm	60 x 50
Weight	g	300
Length of branch wiring	m	12

ADAPTER PCBs

Simple solutions for unique requirements

Concept and benefits

› Low cost option to satisfy simple control requirements
› Deployed on single or multiple units

			Connectable to:		
			Split	Sky Air	VRV
	**(E)KRP1B*** adapter for wiring	• Facilitates integration of auxiliary heating apparatus, humidifiers, fans, damper • Powered by and installed at the indoor unit		●	●
	**KRP2A*/KRP4A*** Wiring adapter for electrical appendices	• Remotely start and stop up to 16 indoor units (1 group) (KRP4A* via P1 P2) • Remotely start and stop up to 128 indoor units (64 groups) (KRP2A* via F1 F2) • Alarm indication/ fire shut down • Remote temperature setpoint adjustment • Cannot be used in combination with a central controller		●	●
	**KRP58M3**	• Low noise and demand control option for RZQ200/250C		●	
	**SB.KRP58M51**	• Low noise and demand control option for RZQG and RZQSG single phase • Includes mounting plate EKMKSA1		●	
	**KRP58M51**	• Low noise and demand control option for RZQG1 and RZQSG 3 phase		●	
	**DTA104A*** Outdoor Unit External Control Adapter	• Individual or simultaneous control of VRV system operating mode • Demand control of individual or multiple systems • Low noise option for individual or multiple systems			●
	**DCS302A52** Unification adapter for computerized control	• Enables unified display (operation/malfunction) and unified control (ON/OFF) from BMS system • Must be used together with Intelligent Touch Controller or intelligent Touch Manager • Cannot be combined with KRP2/4* • Can be used for all VRV indoor models			●
	**KRP928*** Interface adapter for DIII-net	• Allows integration of split units to Daikin central controls	●		
	**KRP413*** Wiring adapter normal open contact / normal open pulse contact	• Switch off auto restart after power failure • Indication of operation mode / error • Remotely start /stop • Remotely change operation mode • Remotely change fan speed	●		
	**KRP980*** Adapter for split units without an S21 port	• Connect a wired remote control • Connect to Daikin central controls • Allow external contact	●		

Some adapters require an installation box, refer to the option lists for more information

Accessories

EKRORO		• External ON/OFF or forced off • Example: door or window contact
EKRORO 3		• External ON/OFF or forced off • F1/F2 contact • Example: door or window contact
KRC19-26A		• Mechanical cool/heat selector • Allows switching over an entire system between cooling/heating/fan only • Connects to the A/B/C terminals of the unit
BRP2A81		• Cool/heat selector PCB • Required to connect KRC19-26A to a VRV IV outdoor unit

Individual and centralised controls

	BRC1D*	BRC1E*	BRC1H*	DCS301B51	DST301B51	DCS302C51	DCS601C51
Madoka Assistant app for advanced settings			●				
Electical box KJB111A	●	●	●				
Electical box KJB212A(A) (1)	●	●		●	●		
Electical box KJB311A(A)						●	
Electical box KJB411AA							●

(1) recommended as wider (more stable mounting)

Intelligent Tablet Controller - DCC601A51

		intelligent Controller		
		Options for local control	**Cloud options**	**Software**
Wired screen for local control	AL-CCD07-VESA-1	●	–	–
Zenpad 8" Tablet for local control	Z380M	●	–	–
Control and monitoring package		–	●	–
Remote support and diagnostics package		–	●	–
Advise and optimisation package		–	●	–
App for tablet - download for Android (Play store) only (In case of AL-CCD07-VESA-1 app is pre-installed)		–	–	●
Commissioning tool		–	–	●
Software update tool		–	–	●

Daikin Cloud Service requires a subscription. Contact your local sales representative for more information

Intelligent Touch Manager - DCM601A51

		intelligent Manager	**Cloud options**
iTM plus adapter – Allows connection of an additional 64 indoor units/groups. Up to 7 adapters can be connected	DCM601A52	●	
iTM PPD software – Allows distribution of used kWh by indoor units connected to the iTM	DCM002A51	●	
iTM HTTP interface - Allows communication to any third party controller via http interface	DCM007A51	●	
iTM Energy navigator – Energy management option	DCM008A51	●	
iTM BACnet Client option – Enables integration of third party devices to the iTM via the BACnet/IP protocol. (This is not a gateway and cannot replace DMS502A51)	DCM009A51	●	
Property Management System (PMS) interface option - Enables to connect to third party PMS systems	DCM010A51	● Oracle Opera PMS	
Control and monitoring package			●
Remote support and diagnostics package			●
Advise and optimisation package			●

Standard protocol interfaces - DMS502A51

		BACnet Interface
DIII-net expansion board (2 ports), connects up to 128 additional indoor units	DAM411B51	●
Digital pulse inputs (12) for PPD functionality	DAM412B51	●

Intelligent Chiller Manager

		intelligent Manager
Differential Pressure Sensor 4-20 mA 0-160 kPa	EKQDP2M016	●
Differential Pressure Sensor 4-20 mA 0-250 kPa	EKQDP2M020	●
Differential Pressure Sensor 4-20 mA 0-400 kPa	EKQDP2M040	●
Differential Pressure Sensor 4-20 mA 0-600 kPa	EKQDP2M060	●
ModBus RTU communication module	EKCM200J	●
BACnet IP communication module	EKCMBACIP	●

Power supply

T1 = 3~, 220V, 50Hz
V1 = 1~, 220-240V, 50Hz
VE = 1~, 220-240V/220V, 50Hz/60Hz*
V3 = 1~, 230V, 50Hz
VM = 1~, 220~240V/220~230V, 50Hz/60Hz
W1 = 3N~, 400V, 50Hz
Y1 = 3~, 400V, 50Hz

* For VE power supply only 1~, 220-240V, 50Hz data is displayed in this catalogue.

Conversion table refrigerant piping

inch	mm
1/4″	6.4 mm
3/8″	9.5 mm
1/2″	12.7 mm
5/8″	15.9 mm
3/4″	19.1 mm
7/8″	22.2 mm
1 1/8″	28.5 mm
1 3/8″	34.9 mm
1 5/8″	41.3 mm
1 3/4″	44.5 mm
2″	50.8 mm
2 1/8″	54 mm
2 5/8″	66.7 mm

F-gas regulation

For fully/partially charged equipment: contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

For non pre-charged equipment (Chillers: split chiller (SEHVX/SERHQ), condensing units and condenserless chillers + refrigeration (LCBKQ-AV1, JEHCCU/JEHSCU and ICU): its functioning relies on fluorinated greenhouse gases.

Measuring conditions

Air conditioning

1) Nominal cooling capacities are based on:	
Indoor temperature	27°CDB/19°CWB
Outdoor temperature	35°CDB
Refrigerant piping length	7.5m - 8/5m VRV
Level difference	0m
2) Nominal heating capacities are based on:	
Indoor temperature	20°CDB
Outdoor temperature	7°CDB/6°CWB
Refrigerant piping length	7.5m - 8/5m VRV
Level difference	0m

Refrigeration

ZEAS	Chilling		Evaporating temp. -10°C; outdoor temp. 32°C; Suction SH10°C
	Freezing		Evaporating temp. -35°C; outdoor temp. 32°C; Suction SH10°C
Conveni-Pack	Mix Air conditioning and refrigeration operating mode		Indoor temp. 27°CDB/19°CWB; outdoor temp. 32°CDB; piping length:7.5m; level difference: 0m; refrigeration side: Evaporating temp. -10°C; outdoor temp. 32°CDB; Suction SH: 10°C
	Mix heating and refrigeration operating mode (Heating recovery 100% mode)		Indoor temp. 20°C; outdoor temp. 7°CDB,6°CWB; refrigeration load 18kW (Evaporating temp. -10°C; Suction SH: 10°C); piping length:7.5m; level difference: 0m
Booster unit			Evaporating temp. -35°C; outdoor temp. 32°C; suction SH 10K; saturated temp. to discharge pressure of booster unit -10°C
CCU/SCU	Medium temperature application		Medium temperature application: Outside ambient temp. 32°C; Evaporating temp. = -10°C and 10K superheat;
	Low temperature application		Low temperature application: Outside ambient temp. 32°C; Evaporating temp. = -35°C and 20°C suction gas temperature
Zanotti	Uni-Block, Bi-Block, Wineblock	High temperature	When normally running : +10°C / +30°C
		Medium temperature	When normally running : 0°C / 30°C
		Low temperature	When normally running : -20°C / +30°C
	CU (one , twin, and more compressor(s))	Medium temperature	Outside ambient temp. 32°C; Evaporating temp. = -10°C and 20°C suction gas temperature
		Low temperature	Outside ambient temp. 32°C; Evaporating temp. = -35°C and 20°C suction gas temperature

Applied systems

Air cooled	Cooling only		Evaporator: 12°C/7°C	Ambient: 35°CDB
	Heat pump		Evaporator: 12°C/7°C	Ambient: 35°C
			Condenser: 40°C/45°C	Ambient: 7°CDB/6°CWB
Water cooled	Cooling only		Evaporator: 12°C/7°C	
			Condenser: 30°C/35°C	
	Heating only		Evaporator: 12°C/7°C	
			Condenser: 40°C/45°C	
Condenserless chiller			Evaporator: 12°C/7°C	
			Condensing temperature: 45°C / liquid temperature: 40°C	
Fan coil units	Cooling		Indoor temperature 27°CDB, 19°CWB; entering water temperature 7°C, water temperature rise 5K	
	Heating	2-pipe	Indoor temperature 20°CDB, 15°CWB; entering water temperature 45°C, water temperature drop 5K	
		4-pipe	Indoor temperature 20°CDB, 15°CWB; entering water temperature 65°C, water temperature drop 10K	
Air Handling Units			Temperature and humidity conditions: Extract air 22°C / 50%; Fresh air -10°C / 90%	

The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment (for measuring conditions: please refer to the technical databooks). The sound power level is an absolute value indicating the "power" which a sound source generates. For more detailed information please consult our technical databooks.

Benefits

We care icons



Seasonal efficiency, smart use of energy
Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season.



Auto-cleaning filter
The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.



Inverter technology
Inverter compressors continuously adjust compressor speed to actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures.



2 area motion detection sensor
Air flow is sent to a zone other than where the person is located at that moment. Detection is done in 2 directions: left and right. If no people are detected, the unit will automatically switch over to the energy-efficient setting.



3 area motion detection sensor
Air flow is sent to a zone other than where the person is located at that moment. Detection is done in 3 directions : left, front and right. If no people are detected, the unit will automatically switch over to the energy-efficient setting and eventually switch off.



Energy saving during operation standby
Current consumption is reduced by about 80 % when operating on standby.



Night set mode
Saves energy, by preventing overcooling or overheating during night time.



Econo mode
This function decreases the power consumption so that other applicances that need large power consumption can be used. This function is also energy saving.



Movement sensor
Saves power consumption in unoccupied rooms: when the room is empty, the unit switches to economy mode after 20 minutes and restarts when a person enters the room.



Home leave operation
During absence, the indoor temperature can be maintained at your specified comfort level during absence.



Fan only
The air conditioner can be used as fan, blowing air without cooling or heating.



Free cooling
By exploiting the low external air temperatures to cool the water, free cooling reduces the load on the compressors and decreases considerably the annual operating costs during the cold season.



Floor & presence sensor
The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.



Solar panel
Take advantage of solar power. Easily connect your hot water storage to solar collectors on your roof.

Comfort



Comfort mode
The unit automatically changes the angle of the air discharge louvre depending on the mode. In cooling operation the air will be directed rather upwards to avoid cold draught, while in heating operation the air will be directed rather downwards to avoid cold feet.



Powerful mode
If the temperature in the room is too high/low, it can be cooled down/heated quickly by selecting the 'powerful mode'. After the powerful mode is turned off, the unit returns to the preset mode.



Impossible to hear
Practically inaudible: the unit runs so quietly, you will almost forget it is there.



Whisper quiet
Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neighbourhood. (with sound levels as low as 19dBA)



Outdoor unit silent operation
To ensure a quiet environment for the neighbourhood the user can lower the operation sound of the outdoor unit by 3 dB(A) via remote control.



Comfortable sleeping mode
Increased comfort function that follows a specific temperature fluctuation rhythm.



Draught prevention
When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired.



Auto cooling-heating changeover
Automatically selects cooling or heating mode to achieve the set temperature (heat pump types only).



Indoor unit silent operation
To ensure a quiet environment for studying or sleeping the user can lower the operation sound of the indoor unit by 3 dB(A) via remote control.



Night quiet mode (cooling only)
Lowers the operation sound of the outdoor unit automatically at night.
Installer has to make special setting on outdoor unit or wired remote controller, depending on model.



Radiant heat
The front panel of the indoor unit radiates additional heat to add to your comfort on cold days



Fresh hot water
The structure of thermal store ensures optimal water hygiene and eliminates the risk of bacteria and legionella. Rest assured that your hot water is fresh and safe

Air flow



Ceiling soiling prevention
A special function prevents air blowing out too long in horizontal position, to prevent ceiling stains.



Vertical auto swing
Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.



Auto fan speed
Automatically selects the necessary fan speed to reach or maintain the set temperature.



Individual flap control
Individual flap control via the wired remote controller enables you to easily fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well.



Coanda effect - cooling
The Coanda effect optimises the airflow in cooling mode. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.



Coanda effect - heating
The Coanda effect optimises the airflow in heating mode. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.



3-D Air flow
This function combines Vertical and Horizontal auto-swing to circulate a stream of cool/warm air right to the corners of even large spaces.



Horizontal auto swing
Possibility to select automatic horizontal moving of the air discharge louvre, for uniform air flow and temperature distribution.



Fan speed steps
Allows to select up to the given number of fan speed.



Fireplace logic
When installed close to a heating device (e.g. fireplace or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house



Intelligent thermal sensor
The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it.

Benefits

Humidity control



Ururu - humidification
Moisture is absorbed from the outdoor air and evenly distributed throughout the indoor areas.



Dry programme
Allows humidity levels to be reduced without variations in room temperature.



Sarara - dehumidification
Reduces indoor humidity, without affecting the room temperature, by mixing cool, dry air with warm air.

Air treatment



Flash streamer
Generates high speed electrons that powerfully breaks down viruses, bacteria, odours and allergens.



Silver allergen removal and air purifying filter
Captures allergens such as pollen and dust mites.
The filter suppresses pollen and mites for 99% or more.



Titanium apatite deodorizing filter
Captures airborne dust particles and harmful organic chemical substances such as bacteria, viruses and allergens and deodorizes the odours of e.g. tobacco and pets.



Air filter
Removes airborne dust particles to ensure a steady supply of clean air.

Remote control & timer



Weekly timer
Timer can be set to start operation anytime on a daily or weekly basis



Timer
Allows to preset the air conditioner to start/stop at a specified time.



Wired remote control
Wired remote control to start, stop and regulate the air conditioner from a distance.



Multi zoning
Allows up to 6 individual climate zones with one indoor unit.



24 Hour timer
Timer can be set to start cooling/heating anytime during a 24-hour period.



Infrared remote control
Infrared remote control with LCD to start, stop and regulate your indoor unit from a distance.



Centralised control
Centralised control to start, stop and regulate several indoor units from one central point.



Online controller via app
Control your indoor unit from any location via app.
(optional WLAN adapter)

Other functions



Auto-restart
The unit restarts automatically at the original settings after power failure.



Twin/triple/double twin application
2, 3 or 4 indoor units can be connected to only 1 outdoor unit. All indoor units operate within the same mode (cooling or heating) from one remote control.



VRV for residential application
Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.



Multi tenant
The indoor unit's main power supply can be turned off when leaving the hotel or office building.



Scroll compressor
Scroll compressors consist of two scrolls, one is fixed while the other orbits eccentrically without rotating. Designed for small and medium capacities, they provide constant reliability and high efficiency throughout its service life.



Centrifugal compressor
Centrifugal compressors use an impeller and volute section to convert the velocity energy into pressure energy. Centrifugal compressors are designed with either optional variable speed drives (VFD) for superior part-load performance for single or dual compressor units, or with magnetic bearings and totally oil-free operation.



Guaranteed operation down to -20°C
Daikin heat pumps are suitable for all climates, even withstanding severe winter conditions with an operation range down to -20°C



Infrastructure cooling
Remove in a reliable, efficient and flexible way the heat constantly generated by the IT and server equipment to ensure maximum uptime while offering the best return on investment.



Self-diagnosis
Simplifies maintenance by indicating system faults or operating anomalies.



Multi model application
Up to 5 indoor units (even different capacities) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.



Drain pump kit
Facilitates condensation draining from the indoor unit.



Swing compressor
Swing type compressors have a unified vane and roller with fewer moving parts producing low vibration and friction, achieve higher reliability and efficiency compared to conventionally rotary compressors.



Screw compressor
Single screw compressors consist of a main single screw and two gate rotors. Optimal performance through step less capacity control, they are designed for high capacities and optimal performances.



Reciprocating compressor
The reciprocating type compressor consists of a cylinder, pistons and valves. The compression is accomplished by reciprocating movements of the piston in the cylinder.



Guaranteed operation down to -25°C
Daikin heat pumps are suitable for all climates, even withstanding severe winter conditions with an operation range down to -25°C

DAIKIN

Future-proof
choice in chillers



A new generation of chillers

BLUEVOLUTION

Future proof high efficiency air-cooled scroll chiller series with refrigerant R-32. With low Global Warming Potential and seasonal energy efficiency ratio (SEER) improved by 10%, the R-32 Scroll chiller is fully compliant with the efficiency requirements imposed by current and future European Legislation.

R-32 refrigerant can be safely used in many applications including chilled water systems and is also easier to recycle and reuse. Another environmental plus in its favour.



For more information: www.daikin.eu

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

Daikin Europe N.V. participates in the Eurovent Certified Performance programme for Liquid Chilling Packages and Hydronic Heat Pumps, Fan Coil Units and Variable Refrigerant Flow systems. Check ongoing validity of certificate: www.eurovent-certification.com

ECPEN19-500

CERTIFIED LR ISO 9001 · ISO 14001

CE

The present publication is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this publication to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this publication. All content is copyrighted by Daikin Europe N.V.

Printed on non-chlorinated paper. Realized by L.capitan