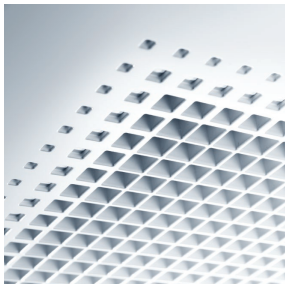




DESIGN REFRIGERATION TEMPERATURE OFFICE
HOTELS RESTAURANTS HEATING VENTILATION HOME
SHOP COMMERCIAL RESTAURANTS PROCESS COOLING
ICE RINK BANKS REFRIGERATION HEATING HOT WATER
RESIDENTIAL EFFICIENCY PURIFICATION COMFORT
OFFICE CINEMA HOTELS COOLING
HEATING COOLING AIR SCHOOLS INDUSTRIAL
PURIFICATION HEATING BANKS HUMIDIFICATION COMFORT COOLING
SOLUTIONS

General catalogue 2014



INSPIRED BY COMFORT
LED BY DESIGN
DRIVEN BY ENGINEERING

Understanding customer needs to deliver the best solutions

Our success is built on the success of our customers. The approach to product development and the unrivalled quality and versatility of our integrated solutions means we are able to react quickly to customer needs.

Daikin's International Key Account Team demonstrates our commitment to customers. By partnering with our most important clients, we can fully understand what their challenges are and ensure efficient, transparent, flexible and seamless advice and support across Europe.

We aim to apply this philosophy in our dealings with all our customers, from large businesses to individual households, to allow us to provide energy-efficient solutions to improve comfort, reduce costs and lower environmental impact.

The EMEA Development Center (EDC) is pivotal, developing innovative, energy-efficient solutions, designed and manufactured in Europe, specifically for the European market. Following on from the launch of the fully flat cassette in 2013, the second indoor unit designed specifically for Europe after Daikin Emura, the EDC is continuing to develop new products and technologies to meet, and often exceed, the changing demands of businesses and homeowners. Another example is the Daikin Altherma hybrid heat pump, combining over 30 year of heat pump experience with gas condensing technology, this as an answer to the growing demand to replace heating systems, especially replacing of gas boilers.

As the world's leading manufacturer of climate control solutions, protecting the environment is Daikin's priority. We take a leading role in the development of both innovative products and demonstrate best environmental practice in everything we do.

We are determined to deliver on our commitments to understanding customer needs, creating innovative products and maintaining our responsibility to the environment. We believe this is critical to the future growth and success of both Daikin and everyone we work with.

Wim Vangeenberghe

General manager Sales Division

Jan Cluyse

Deputy General manager
EMEA Development Center

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



Inverter technology

In combination with inverter controlled outdoor units



2 area intelligent eye

Air flow is sent to a zone other than where the person is located at that moment. If no people are detected for more than 20 minutes, the unit will automatically switch over to the energy-efficient setting.



Energy saving during operation standby

Current consumption is reduced by about 80 % when operating on standby. If no people are detected for more than 20 minutes, the system will automatically switch to the current-saving mode.



Night set mode

Saves energy, by preventing overcooling or overheating during night time.



Econo mode

This function decreases the power consumption so that other applications that need large power consumption can be used. This function is also energy saving.



Movement sensor

The sensor detects whether someone is in the room. 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 a certain level.



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

COMFORT



Comfort mode

The new flap changes the discharge angle horizontally for cooling operation and downward vertically for heating operation. This in order to prevent cold or warm air from blowing directly on the body.



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.



Whisper quiet

Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neighbourhood.



Outdoor unit silent operation

Lowers the operation sound of the outdoor unit by 3dB(A) to ensure a quiet environment for the neighbourhood.



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

Lowers the operation sound of the indoor unit by 3dB(A). This function is useful when studying or sleeping.



Night quiet mode (cooling only)

Lowers the operation sound of the outdoor unit automatically by 3dB(A) by removing a jumper wire on the outdoor unit. This function can be deactivated if the jumper wire is reinstalled on the outdoor unit.



Radiant heat

The front panel of the indoor unit radiates additional heat to add to your comfort on cold days

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

Flexible installation thanks to the possibility of easily closing one flap via the wired remote controller, to suit any new room configuration. Optional closure kits are available as well.



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.

BENEFITS

HUMIDITY CONTROL



Ururu - humidification

Moisture is absorbed from the outdoor air and evenly distributed throughout the indoor areas.



Sarara - dehumidification

Reduces indoor humidity, without affecting the room temperature, by mixing cool, dry air with warm air.



Dry programme

Allows humidity levels to be reduced without variations in room temperature.

AIR TREATMENT



Flash streamer

The Flash Streamer generates high-speed electrons that powerfully break down odours and formaldehyde



Titanium photocatalytic air purification filter

Removes airborne dust particles, decomposes odours and restrains the reproduction of bacteria, viruses, microbes, this to ensure a steady supply of clean air



Photocatalytic deodorising filter

Removes airborne dust particles, decomposes odours and restrains the reproduction of bacteria, viruses, microbes, this to ensure a steady supply of clean air.



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 heating or cooling anytime on a daily or weekly basis



24 Hour timer

Timer can be set to start cooling/heating anytime during a 24-hour period.



Timer

Allows to preset the air conditioner to start/stop at a specified time.



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.



Online controller

Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen

OTHER FUNCTIONS



Auto-restart

The unit restarts automatically at the original settings after power failure.



Self-diagnosis

Simplifies maintenance by indicating system faults or operating anomalies.



Twin/triple/double twin application

2, 3 or 4 indoor units can be connected to only 1 outdoor unit even if they have different capacities. 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.



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 hotel or office building.

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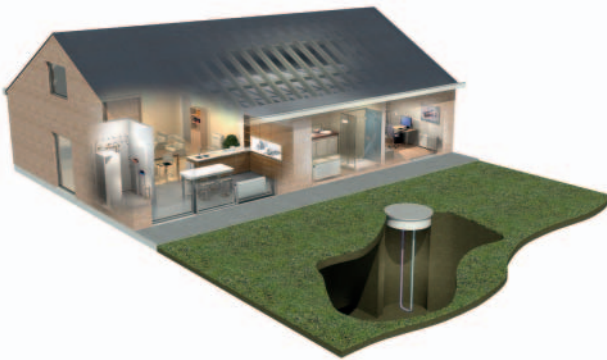
21



DAIKIN ALTHERMA HYBRID HEAT PUMP

- > Low running costs for heating and domestic hot water
- > Low investment cost
- > Provides sufficient heat in renovation applications
- > Easy and fast installation

24



DAIKIN ALTHERMA GROUND SOURCE HEAT PUMP

- > Highest seasonal efficiency thanks to our inverter heat pump technology
- > Quick and easy installation including a domestic hot water tank
- > Compact indoor unit with pleasing design
- > New user interface

44



DAIKIN ALTHERMA LOW TEMPERATURE - INTEGRATED SOLAR UNIT

- > Solar support of domestic hot water with unpressurised (drain-back) and pressurised solar system
- > Lightweight plastic tank
- > Bivalent option: combinable with a secondary heat source
- > App control possible

82



URURU SARARA - FTXZ-N

- > Top SEER and SCOP in the market - A+++
- > Total comfort solution thanks to 2-area intelligent eye, improved air flow pattern, user friendly remote control and auto cleaning filter
- > Award winning design - Reddot Design Award 2013
- > Lower GWP refrigerant - R32

85

DAIKIN EMURA - FTXG-LW/S

- > Unique design. Designed in Europe for Europe.
- > Improved energy efficiency. SEER up to A+++, SCOP up to A++
- > Improved comfort thanks to 2-area intelligent eye, 3D air flow, sound levels down to 19dBA

192
194**INTEGRATING VRV IV TECHNOLOGIES ON THE FULL OUTDOOR UNIT RANGE**

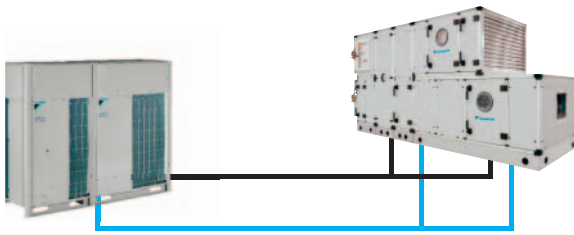
- > Heat pump, heat recovery, water-cooled and replacement series now all available in VRV IV!
 - VRV IV standards now available on all series
- > Replacement VRV IV - RXYQQ-T
 - VRV IV standards: Variable Refrigerant Temperature and VRV configurator
 - Cost effective and fast upgrade for R-22 systems as only the outdoor unit needs to be replaced
 - Efficiency gains of more than 70% can be realized when switching to VRV IV
- > Water cooled VRV IV - RWEYQ-T
 - VRV IV standards: Variable Refrigerant Temperature and VRV configurator
 - Unified range for easier stock and order management
 - 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

VRV IV224
225**VAM AND VKM**

- > High energy efficiency with DC fan motors
- > Optional CO₂ sensor saves energy while improving indoor air quality
- > Optional medium (M6) and fine (F7, F8) dust filters for VAM-FB
- > Shorter installation time thanks to easy adjustment of nominal air flow rate
- > Total fresh air solution with optional supply of electrical heater (VAM-FA/FB)



227



PLUG & PLAY CONNECTION TO DAIKIN AIR HANDLING UNITS

- > Complete plug & play solution including AHU, ERQ or VRV condensing unit and all unit control (EKEQ, EKEX, DDC controller), factory mounted and configured
- > Used when the commercial ventilation range cannot satisfy the ventilation requirement (up to 140,000 m³/h)
- > High efficiency
- > High comfort levels thanks to rapid response of ERQ and VRV to temperature fluctuations

268



NEW SINGLE SCREW COMPRESSOR WITH BUILT-IN INVERTER AND VARIABLE VOLUME RATIO - EWAD-TZ

- > Class A energy efficiency: ESEER up to 6.0
- > Perfect comfort solution: infinitely variable load regulation and highly accurate precision leaving water temperatures
- > 1-year Return-on-Investment for typical process cooling application
- > Lowest possible sound levels
- > Reducing energy demand without compromising on reliability and performance
- > Compact design

284



MULTIPLE SCROLL HEAT PUMP - EWYQ-F-

- > High efficiency values both in cooling and heating mode
- > Extremely wide operating range, outside temperatures up to 52°C
- > Plug&play unit concept and straightforward maintenance
- > Small footprint and reduced installation cost
- > Huge range of options for a complete customization
- > Reliable ON/OFF scroll compressor

254
286



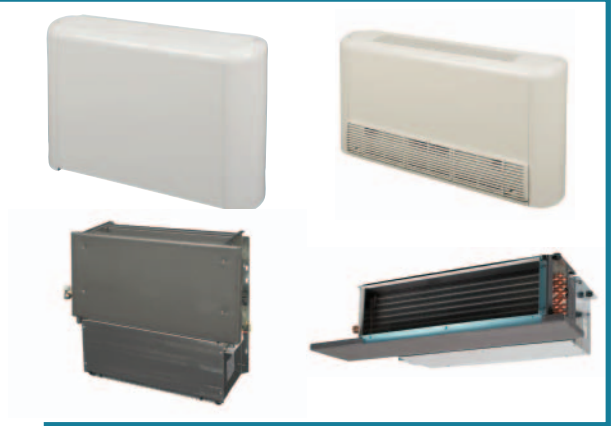
AIR COOLED MULTI-SCROLL HEAT PUMP WITH DC INVERTER - EWA/YQ-GZ

- > In-house designed DC-inverter scroll compressor, unique in the market and based on the latest Daikin technology development
- > Built-in redundancy (up to 12 compressors)
- > Highest ESEER in its class (up to 5)
- > Low inrush current
- > Seasonal quietness

313

FAN COIL UNITS WITH BRUSHLESS TECHNOLOGY: FWZ-AT/AF, FWR-AT/AF, FWS-AT/AF, FWP-AT

- > Up to 70% energy savings
- > Less fluctuation of air temperature and relative humidity
- > Low sound levels
- > High configuration flexibility



347

MULTI ZEAS

- > Application range from -45°C to +10°C (evaporating temperature)
- > High energy efficiency
- > VRV technology for refrigeration
- > Increased installation flexibility thanks to limited dimensions
- > Low sound levels



357

SIMPLIFIED WIRED REMOTE CONTROL FOR HOTEL APPLICATIONS

- > Symbol driven interface for intuitive control
- > Contemporary design
- > Energy saving thanks to set point limitation



364

Intelligent Manager - DCM601A51

- > Cost competitive mini BMS
- > Cross-pillar integration of Daikin products (VRV hydroboxes, air curtains, AHU, refrigeration indoors, Chillers, ...)
- > Integration third party equipment via WAGO and BACnet



Choosing the best refrigerant

The environmental and efficiency benefits of R32

Daikin is renowned for its pioneering approach to product development, with more than 50 years' experience in the design and manufacture of heat pump technology. As part of its commitment to the environment, Daikin aims to develop systems that improve comfort levels while having low environmental impact. Refrigerant choice is a key factor in the drive to maximise energy efficiency and to minimise the global warming impact of systems.

When choosing which refrigerant to use in a heat pump system, the entire Life Cycle Climate Performance of a unit must be considered. This is based not only on the global warming equivalent of any direct refrigerant emissions but also on the energy consumption over the lifetime of the system, giving a much more accurate picture of the true global warming impact of a unit throughout its life.

The use of refrigerants is assessed on the following key factors: Global Warming Potential (GWP), energy efficiency and natural resource efficiency.

R32 has a GWP of 650¹, compared with R410A's GWP of 2,088, a reduction of 68%. R32 products can also achieve higher efficiency levels both in part load and full load conditions and R32 is a single component refrigerant, which makes it easy to recycle.

Europe's first commercialised air-to-air heat pump system to use R32 refrigerant was introduced by Daikin in Autumn 2013. The new Ururu Sarara range, which has already won the prestigious 2013 red dot award for product design, offers very high energy efficiencies thanks to the use of R32, which at the same time means these units have a lower environmental impact than ever before.

The use of R32 in the new Ururu Sarara range offers end-users the opportunity to benefit from class-leading energy efficiencies, excellent air quality and high comfort levels, while lowering the environmental impact of their heat pump system.

¹ Intergovernmental Panel on climate change, Fourth Assessment Report: Climate Change, 2007.



The Daikin solution

to upgrade R-22 and R-407C systems

Due to significant developments in heat pump technology, today's air conditioning systems, running on R-410A refrigerant, offer better performances than R-22 and R-407C systems did in the past. Furthermore, R-22 will be soon unavailable in Europe. Already today, only reclaimed or recycled

R-22 can be used for servicing. To upgrade R-22 and R-407C systems as cost effectively as possible, Daikin units can be installed using existing pipe work. Replacement technology is available for residential and commercial applications in the following ranges: Split, Sky Air, VRV

Plan your system replacement now!

The R-22 phase out regulation will impact on all currently operating R-22 systems, although reliable R-22 equipment does not need to be replaced immediately because maintenance can be carried out with recycled or reclaimed R-22 until 1st January 2015. However, not enough R-22 is currently

reclaimed or recycled to cover the demand. As a consequence, supply shortages and price increases are expected. If there is no reclaimed or recycled R-22 available, certain repairs (for example: compressor change) will no longer be possible and considerable air conditioning system downtime can occur.

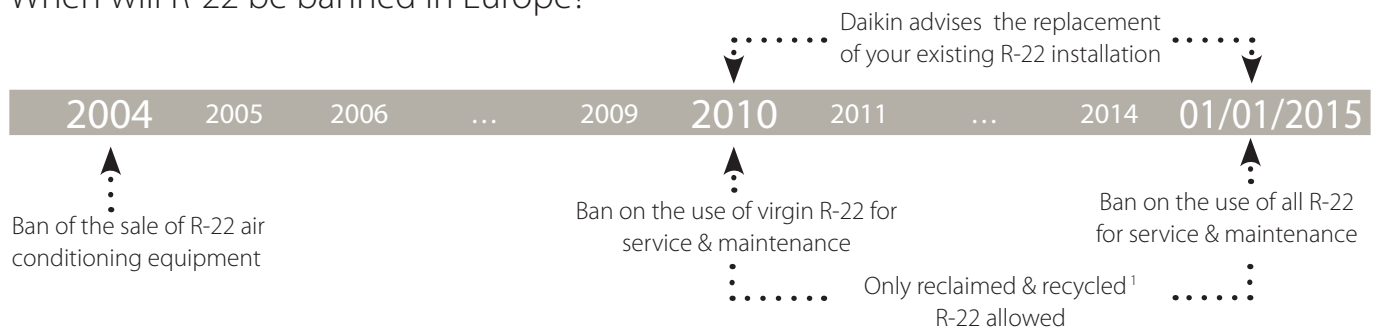
It is therefore worthwhile to consider a replacement system before 2015, especially for air conditioning systems with a large impact on the daily running of the business.

R-22, an ozone depleting refrigerant

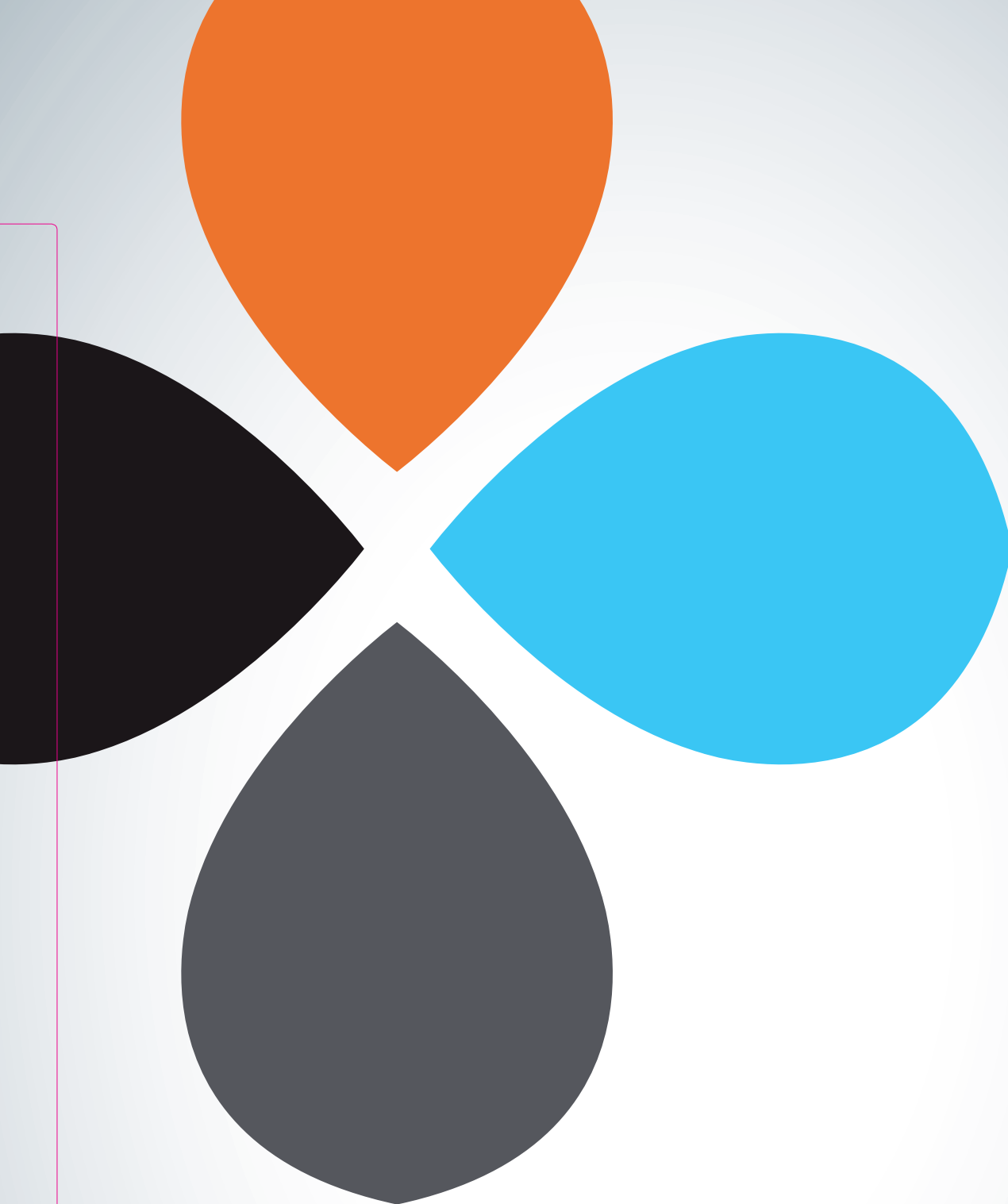
R-22 is a hydrochlorofluorocarbon (HCFC) which was commonly used in air conditioning systems. When R-22 is released into the air, the ultraviolet rays of the sun cause it to decompose and chlorine is released into the stratosphere. Chlorine reacts with ozone, reducing the amount of the ozone.

Due to ozone layer depletion, harmful ultraviolet rays reach the surface of the earth giving rise to a number of health and environmental issues. The international community therefore, signed the Montreal Protocol to phase out ozone depletion materials by 2030. The European Union, however, decided to ban R-22 already in 2015.

When will R-22 be banned in Europe?



¹ Recycled: re-use of R-22 following a basic cleaning process. Recycled R-22 must be re-used by the same company that carried out the recovery (can be done by installer)
Reclaimed: reprocessed R-22 in order to meet the equivalent performance of virgin R-22 (by specialized company)



Seasonal efficiency, smart use of energy

Seasonal efficiency is a measure mandated by the European Union to optimise energy consumption. The EU wants to make people aware of what units are consuming and ban non-efficient products from the market. Seasonal efficient units reflect the actual performance you can expect over an entire heating and cooling season. The standard came into force in January 2013 for products under 12 kW.

Today, Daikin is leading the way towards more efficient and cost-effective comfort solutions. All Daikin products – residential and commercial as well as industrial – are seasonal efficient, they all reduce energy and costs in a smart way.



SEASONAL EFFICIENCY
Smart use of energy

Find out more on www.daikin.eu



Seasonal efficiency, smart use of energy

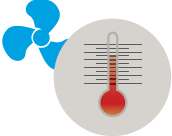
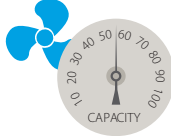

Challenging 20-20-20 environmental targets

The European Commission has set challenging targets for improving energy efficiency in the EU. These so-called 20-20-20 targets aim at a 20% reduction in CO₂ emissions, 20% share of renewable energy and a 20% reduction in the use of primary energy, all by the year 2020. To realise these objectives, Europe issued the Eco-Design Directive [2009/125/EC]. This sets minimum efficiency requirements for energy related products. After 2013, all air conditioners and air to air heat pumps under 12 kW come into scope of this Eco-Design Directive. From 2013, products unable to comply with the minimum efficiency requirement (such as non-inverter air conditioners) will lose their CE marking and thus may no longer be sold in Europe. In 2014 the energy-performance bar will again be raised significantly.

Major change: seasonal efficiency in line with real-life performance

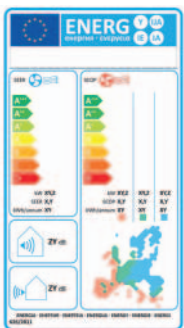
Not only does the Eco-Design Directive systematically raise the minimum requirements with respect to environmental performance, the method used to measure this performance has also been changed to better reflect real-life conditions. Previous measurements reflected so-called nominal efficiency, a measurement of performance at one fixed outdoor temperature and with equipment running at full power. Since a cooling or heating season involves a range of outdoor temperatures (not just the one nominal temperature in the rating) and equipment is often only running at partial load, this old rating did not properly reflect actual performance.

The new method, seasonal efficiency, measures heating and cooling performance across a range of outdoor temperatures that give a better representation of actual efficiency over an entire heating or cooling season. Moreover, auxiliary modes such as stand-by mode are also taken into account in the new seasonal efficiency ratings. Thus seasonal efficiency gives a much better representation of the real performance of an air conditioner, in real-life conditions, across an entire season.

 <p>Temperature</p> <table border="0"> <tr> <td>NOMINAL</td> <td>SEASONAL</td> </tr> <tr> <td>1 Temperature condition: 35°C for cooling 7°C for heating</td> <td>Several rating temperatures for cooling and heating, reflecting actual performance over an entire season</td> </tr> <tr> <td>Does not often occur in reality</td> <td></td> </tr> </table>	NOMINAL	SEASONAL	1 Temperature condition: 35°C for cooling 7°C for heating	Several rating temperatures for cooling and heating, reflecting actual performance over an entire season	Does not often occur in reality		 <p>Capacity</p> <table border="0"> <tr> <td>NOMINAL</td> <td>SEASONAL</td> </tr> <tr> <td>Does not reflect partial capacity</td> <td>Integrates operation at partial instead of full capacity</td> </tr> <tr> <td>Benefits of inverter technology not visible</td> <td>Benefits of inverter technology are shown</td> </tr> </table>	NOMINAL	SEASONAL	Does not reflect partial capacity	Integrates operation at partial instead of full capacity	Benefits of inverter technology not visible	Benefits of inverter technology are shown	 <p>Auxiliary modes</p> <table border="0"> <tr> <td>NOMINAL</td> <td>SEASONAL</td> </tr> <tr> <td>Does not take auxiliary power modes into account</td> <td>Includes consumption auxiliary modes:</td> </tr> <tr> <td></td> <td> <ul style="list-style-type: none"> • Thermostat off • Standby mode • OFF mode • Crankcase heater </td> </tr> </table>	NOMINAL	SEASONAL	Does not take auxiliary power modes into account	Includes consumption auxiliary modes:		<ul style="list-style-type: none"> • Thermostat off • Standby mode • OFF mode • Crankcase heater
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Nominal efficiency gives an indication on how efficient an air conditioner is when operating in a nominal condition.

Seasonal efficiency gives an indication on how efficient an air conditioner is when operating over an entire cooling or heating season.



Europe's new energy label: raising the bar on energy efficiency

To inform consumers concerning these new energy performance standards, Europe is also introducing a new energy label. The present European energy label, introduced in 1992, has had its effect. Consumers are able to compare and make purchasing decisions based on uniform labelling criteria. The new label that came into force on 1 January 2013 allows end-users to make even better informed choices, since seasonal efficiency reflects air conditioner efficiency over an entire season.

The energy label includes multiple classifications from A+++ to D reflected in colour shadings ranging from dark green (most energy efficient) to red (least efficient). Information on the label includes not only the new seasonal efficiency ratings for heating (SCOP) and cooling (SEER), but also annual energy consumption and sound levels.

Daikin leading the way to seasonal efficiency

While the challenges of Eco-Design are immense, Daikin has resolutely chosen for early implementation of this new legislation. Already in 2010, Daikin launched a new light commercial range fully optimised for seasonal efficiency. The Seasonal Smart series in this range in fact already complies with the very challenging 2014 minimum requirements. Today Daikin is proud to indicate the seasonal performance of its entire residential and light commercial range up to 12 kW.



Tools & platforms

Have a question, looking for specific software applications, need detailed product information or looking for any other marketing tools? This overview gives you an idea of what we can offer ...

Mini sites

Some products need slightly more attention than others. That's why we have developed mini sites. These sites provide all information (specifications, video, animation, drawings, ...) related to one specific topic.

Below you can find some examples of minisites, which can easily be found on our website.



For your home:

- Daikin Altherma
- Daikin Emura
- Nexura

Commercial:

- Fully flat cassette
- Round flow cassette
- VRV-IV

Industrial:

- EWAD-CZ
- ZEAS

Extranet

The Daikin extranet is a dedicated area with limited access for professionals in HVAC-R. It offers 24/7 access to the most up to date information, such as technical and commercial documentation, e-data, selection software, training, webshop, etc.

No account yet? Visit:

<http://www.daikineurope.com/business-partners/index.jsp>

Software

Daikin offers an extensive range of online supporting tools, enabling you to select & sell the product of your interest. These are some examples:

Sales supporting apps

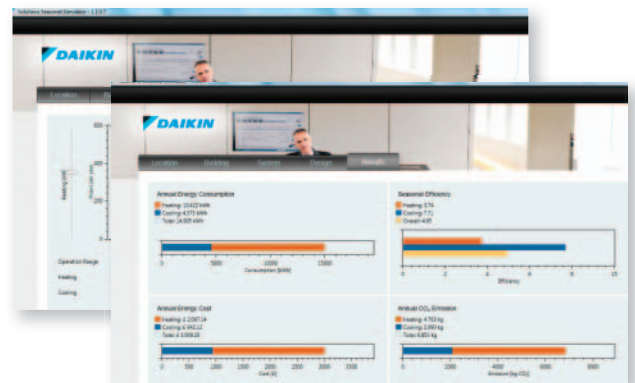
Daikin E-data app:

contains an overview of all Daikin Europe N.V. products that are available in your country, in your own language. You can easily browse the products to find the engineering data you need.



Seasonal Solutions Simulator:

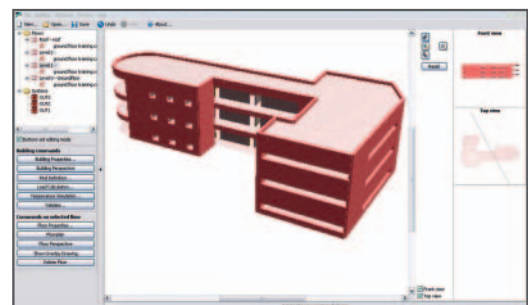
With this software tool you can simulate the seasonal efficiency, the annual power consumption and CO₂ emission for a given climate, load profile (cooling, heating, heat recovery, covalent, bivalent...) and (combination of) system(s). With its intuitive and graphical appealing interface, a simulation can be made in a matter of minutes. The solution basket system enables you to compare the results of several system configurations.



Selection software

Xpress is a flexible design software to optimise equipment selection in cost and it enables you to make a high efficient building design.

VRV Pro is a true VRV design tool. The program enables VRV air conditioning systems to be engineered in a precise and economical way, taking into account the complex piping rules. Moreover, it ensures optimum operating cycles and maximum energy efficiency. In this way, it gives the designer the possibility to make accurate selections and get competitive quotations for each project.



For a complete line-up of tools & downloads, visit:

<http://extranet.daikineurope.com/en/software/default.jsp>

Pure air

Because Daikin cares

The streamer technology air purifier, a blend of new technology, improved performance, and ultra quiet operation, it 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.

- > stylish design
- > improved performance
- > unprecedented comfort
- > super quiet operation
- > easy to maintain
- > portable
- > no installation



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

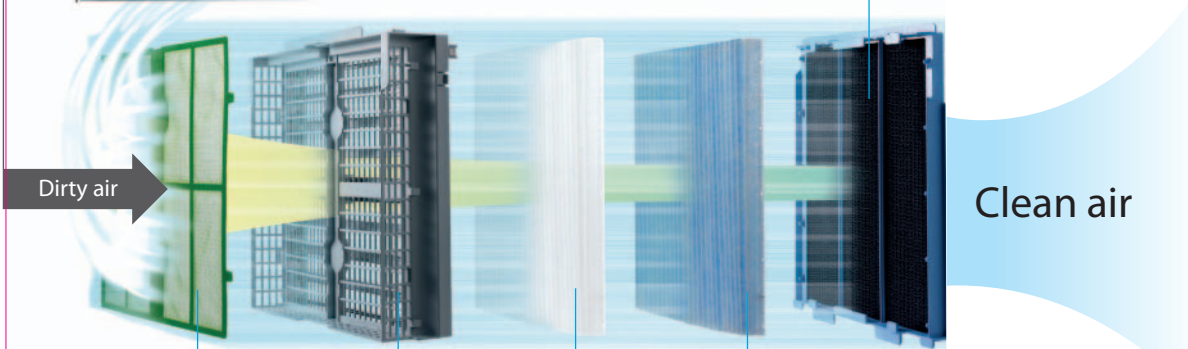


Six-layer powerful decomposition and removal configuration

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



6 Formaldehyde and odours are decomposed
Deodorising catalyst filter



2 Dust is captured. Bacteria and allergens are removed
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 kept under control by photocatalyst
Titanium apatite filter (back of pleated dust collection filter)

Clean air



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 and mould 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.

MC70L

Indoor unit				MC70L	
Applicable room area			m ²	46	
Casing		Colour		White	
Dimensions		Unit	HeightxWidthxDepth	mm	
Weight		Unit		kg	
Fan		Type		Multi Blade Fan (Sirocco fan with shroud assembly)	
		Air flow rate	Air purifying operation Turbo/H/M/L/Silent	m ³ /h	
Sound pressure level		Air purifying operation	Turbo/H/M/L/Silent	dBA	
Air purifying operation		Power input	Turbo/H/M/L/Silent	kW	
Deodorizing method			Flash streamer / Titanium apatite photocatalytic filter / Deodorising catalyst		
Bacteria filtering method			Flash streamer / Titanium apatite photocatalytic filter		
Dust collecting method			Plasma ionizer / Electrostatic dust collection filter		
Sign			Dust: 3 stages/Odour: 3 stages/Automatic operation (LL-H)/Airflow rate (LL/L/M/H)/Turbo mode (HH)/Anti-pollen mode/Sleep mode/Lock (Anti-tamper)/Off timer (1.2.4h)/Maintenance: Filter replacement/Maintenance: Cleaning of ionization/streamer		
Power supply		Phase/Voltage		V	
			1~/220-240/220-230		



Humidification and purification in one

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 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



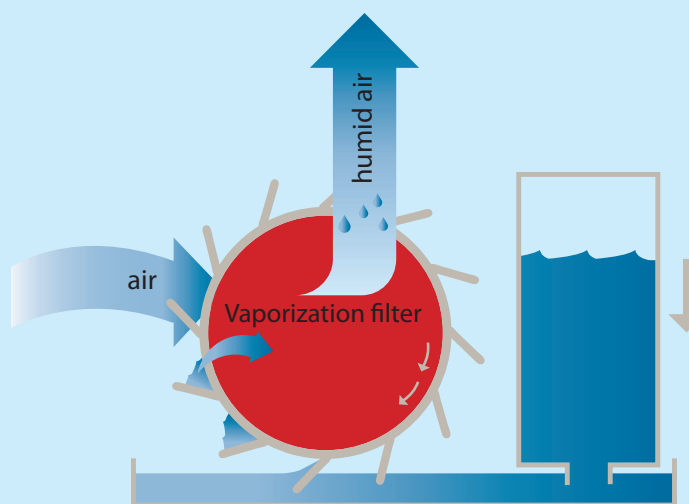
Daikin has already received great praise for its air purifiers: the Daikin TÜV award confirms the efficiency of this unit.

MCK75J

Indoor unit				MCK75J	
Application				Floor standing type	
Applicable room area			m ²		
			46		
Casing	Colour		Black (N1) (Panel colour: silver)		
Dimensions	Unit	HeightxWidthxDepth	mm		
			590x395x268		
Weight	Unit	kg			
			11.0		
Fan	Type		Multi Blade Fan (Sirocco fan with shroud assembly)		
	Air flow rate	Air purifying operation	Turbo/H/M/L/Silent	m ³ /h	
			450/330/240/150/60		
			Humidifying operation		
			Turbo/H/M/L/Silent		
			450/330/240/150/120		
Sound pressure level	Air purifying operation	Turbo/H/M/L/Silent	dBA		
	Humidifying operation	Turbo/H/M/L/Silent	dBA		
			50/43/36/26/17		
			50/43/36/26/23		
Humidifying operation	Power input	Turbo/H/M/L/Silent	kW		
	Humidification	Turbo/H/M/L/Silent	ml/h		
			0.084/0.037/0.020/0.013/0.012		
			600/470/370/290/240		
			4.0		
Air purifying operation	Power input	Turbo/H/M/L/Silent	kW		
			0.081/0.035/0.018/0.011/0.008		
Deodorizing method				Flash streamer / Titanium apatite photocatalytic filter / Deodorising catalyst	
Dust collecting method				Plasma ionizer / Electrostatic dust collection filter	
Sign	Item	01			
Power supply			Name/Phase/Frequency/Voltage		
			Hz/V		
			VM/1~/50/60/220-240/220-230		
Type				Humidifying air purifier	

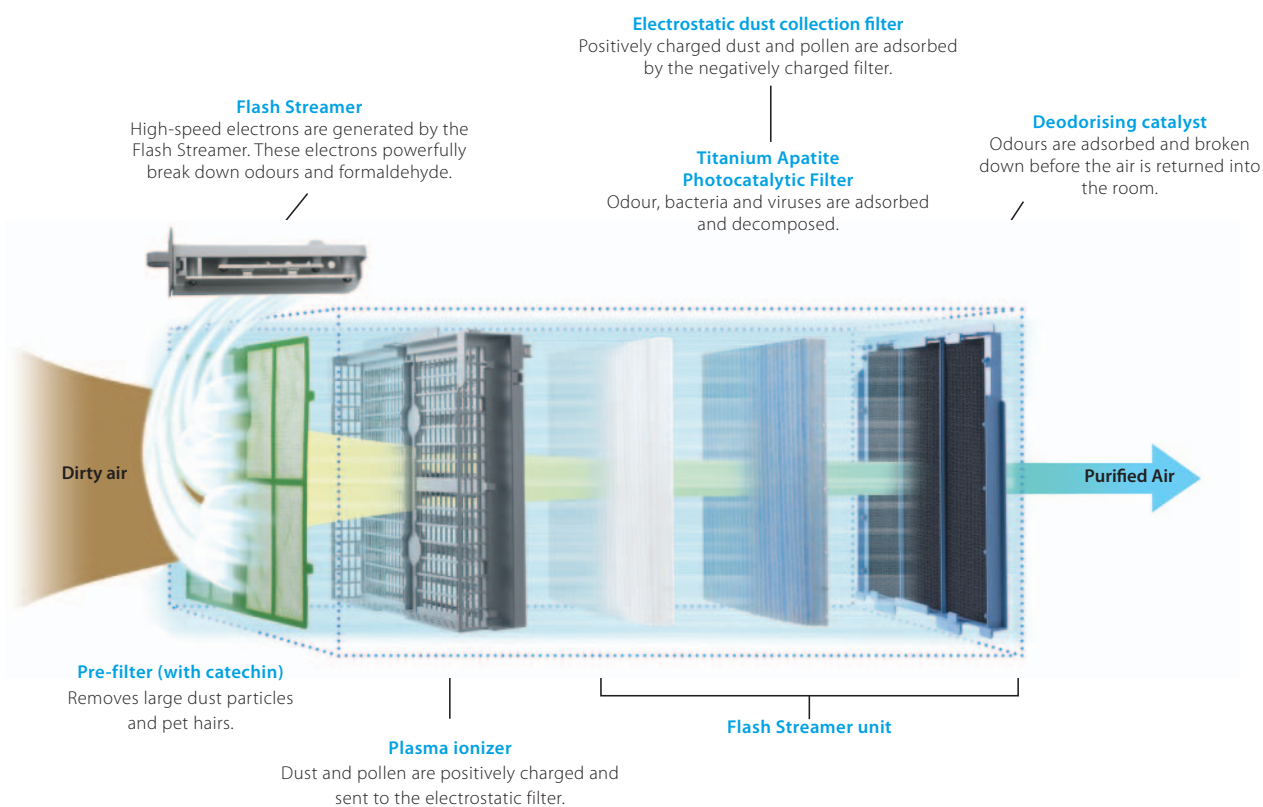


MCK75J



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.



Daikin Ururu Air Purifier also removes efficiently allergens (e.g. pollen, house dust mites, 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).



People are more and more switching to an energy-efficient heating system that produces low CO₂ emissions.

Daikin offers a total heating and domestic hot water system based on air and ground source heat pump technology. One that represents a flexible and cost-effective alternative to a traditional fossil fuel boiler.

The inherent energy-efficiency characteristics of Daikin make it an ideal solution for reduced energy consumption and low CO₂ emissions. Its high- and low-temperature heating systems provide optimal comfort.

Highly energy-efficient heat pumps with advanced compressor technology transform unused and inexhaustible heat from the surrounding air into usable heat, either as part of the overall climate-control system or to heat domestic hot water.

HEATING

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For more information on Options & Accessories, please refer to page 356 of this catalogue.

Products overview - Daikin Altherma



	HYBRID HEAT PUMP	GROUND SOURCE HEAT PUMP
		
HEATING APPLICATION	<ul style="list-style-type: none"> > New houses > Replacement of gas boiler 	<ul style="list-style-type: none"> > New houses > Replacement of ground source heat pump
INSTALLATION	<ul style="list-style-type: none"> > 1 indoor unit + 1 gas condensing boiler > 1 outdoor unit 	<ul style="list-style-type: none"> > 1 indoor unit
CONNECTABLE HEAT EMITTERS	<ul style="list-style-type: none"> > Under floor heating > Low and high temperature radiators 	<ul style="list-style-type: none"> > Low and high temperature radiators
COMBINABLE WITH	<ul style="list-style-type: none"> > Domestic hot water > Cooling > Solar connection for hot water production 	<ul style="list-style-type: none"> > Domestic hot water

LOW TEMPERATURE		HIGH TEMPERATURE	FLEX TYPE
<p>SPLIT</p> 	<p>MONOBLOC</p> 	<p>SPLIT</p> 	
<ul style="list-style-type: none"> > New houses > Together with existing boiler (bivalent) 		<ul style="list-style-type: none"> > Renovation: replacement of traditional boilers 	<ul style="list-style-type: none"> > Apartments > Collective housing > Hotels > Fitness > Spa > Schools > Hospitals > Libraries
<ul style="list-style-type: none"> > 1 indoor unit > 1 outdoor unit 	<ul style="list-style-type: none"> > 1 outdoor unit 	<ul style="list-style-type: none"> > 1 indoor unit > 1 outdoor unit 	<ul style="list-style-type: none"> > Several indoor units > 1 or more outdoor units
<ul style="list-style-type: none"> > Under floor heating > Low temperature radiators > Fan coil units > Heat pump convector 		<ul style="list-style-type: none"> > High temperature radiators 	<ul style="list-style-type: none"> > Under floor heating > Low temperature radiators > Fan coil units > Heat pump convector
<ul style="list-style-type: none"> > Domestic hot water > Cooling > Solar connection for hot water production 		<ul style="list-style-type: none"> > Domestic hot water > Solar connection for hot water production 	<ul style="list-style-type: none"> > Domestic hot water > Cooling (Heat recovery)

Daikin Altherma hybrid heat pump

The natural combination

Up to 15% efficiency increase compared to condensing boiler

Gas condensing boiler of 27 kW

Most economical mode to operate

Hybrid technology

Heating and domestic hot water

COP in heat pump operation: 5.04



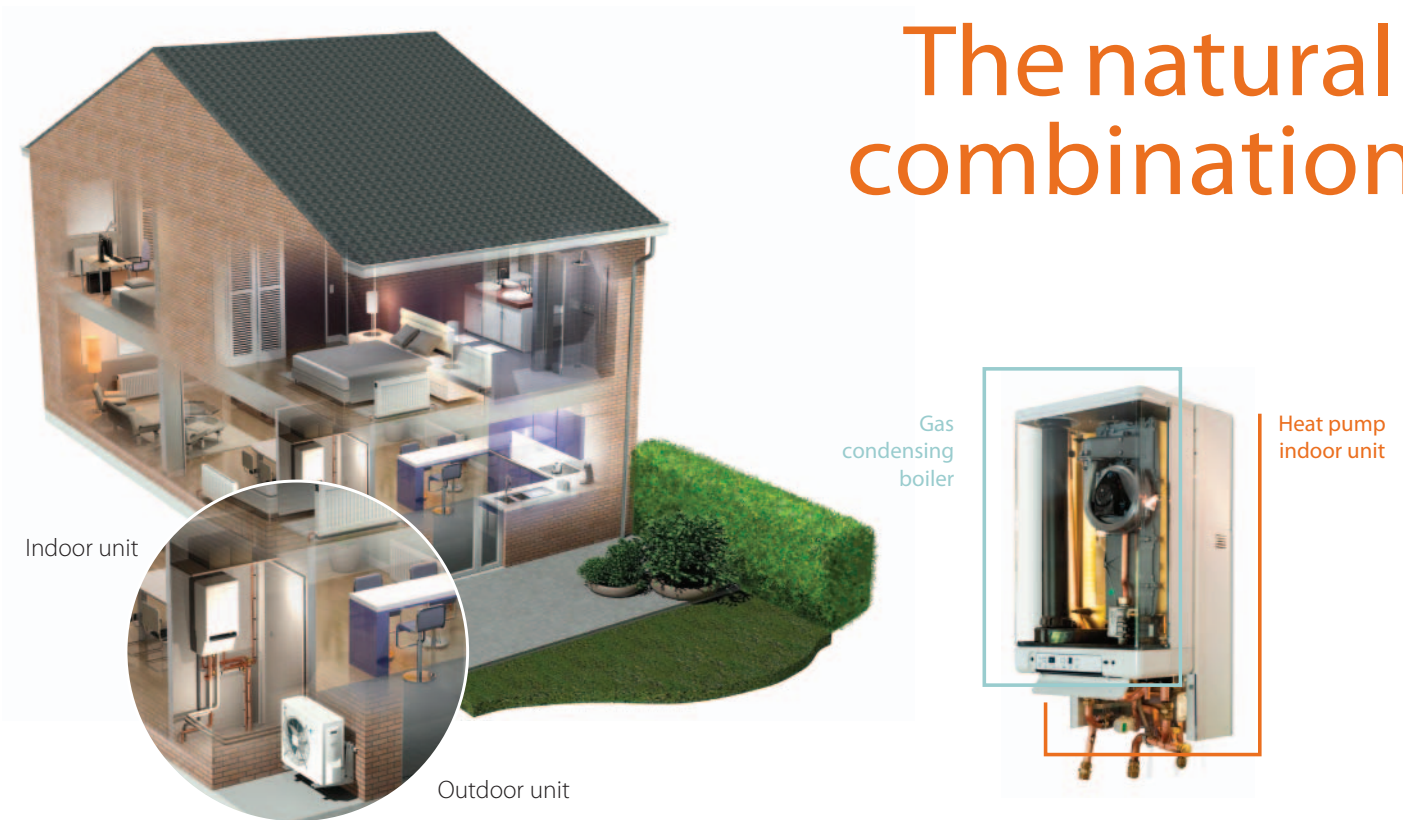
Heat pump and gas condensing boiler in one, the best of two technologies!

Find out more on www.daikin.eu

The Daikin Altherma hybrid heat pump is the ideal solution for the replacement of a gas boiler. 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, always selecting the most economical mode to operate.

 **DAIKIN**
altherma

The natural combination



Daikin Altherma hybrid heat pump combines air-to-water heat pump technology with gas condensing technology for space heating by searching for the optimum economical condition for its operation, combining parameters of energy cost (electricity, gas), heat pump efficiency and heat load requirements to deliver up to 35% more heating efficiency, plus major cost savings.

Low running costs for heating and domestic hot water

1. Space heating

Daikin Altherma hybrid heat pump smartly chooses between the heat pump and/or the gas boiler, possibly in simultaneous operation always selecting the most economical mode to operate.

2. Domestic hot water: heated using gas condensing technology

Efficiency increase of up to 30% compared to traditional gas condensing boilers thanks to a **special dual heat exchanger**: cold tap water flows directly into the heat exchanger. => optimal and continuous condensing of the flue gases during domestic hot water preparation

Low investment cost

- > No need to replace the existing radiators (up to 80°C) and pipe work
- > compact dimensions: space needed for the new system is very similar to that of an existing system

Provides sufficient heat in renovation applications

- > All heat loads are covered up to 32 kW

Easy and fast installation

- > heat pump outdoor unit
 - > heat pump indoor unit
 - > gas condensing boiler
- => easier to handle and manipulate, and easier to install

EHYHBH-AV3 / EVLQ-CV3 EHYKOMB-AA

Daikin Altherma hybrid heat pump



EHYHBH-AV3 EHYKOMB-AA



EVLQ-CV3



- › Daikin Altherma hybrid heat pump **combines air-to-water heat pump technology with gas condensing technology**
- › Wall mounted indoor unit of air-to-water heat pump
- › 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 27kW
- › Easy and fast installation thanks to the compact dimensions and quick interconnections
- › Outdoor unit extracts heat from the outdoor air, even at -25°C

Space heating
Domestic hot water

Heating only

Indoor unit				EHYHBH05AV3	EHYHBH08AV3	EHYKOMB33AA
Casing	Colour	White			White - RAL9010	
	Material	Precoated sheet metal				
Dimensions	Unit	HeightxWidthxDepth	mm	902x450x164	710x450x240	
Weight	Unit		kg	30	31.2	36
Operation range	Heating	Ambient	Min.-Max. °C	-25~25		---
		Water side	Min.-Max. °C	25~55		15 (1)~80 (1)
	Domestic hot water	Water side	Min.-Max. °C	---		40~65
Power supply	Name	V3				-
	Phase					1~
	Frequency					50
	Voltage					230

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

Outdoor unit				EVLQ05CV3	EVLQ08CV3
Heating capacity	Min.		kW	1.80 (1) / 1.80 (2)	
	Nom.		kW	4.40 (1) / 4.03 (2)	7.40 (1) / 6.89 (2)
	Max.		kW	5.12 (1) / 4.90 (2)	10.02 (1) / 9.53 (2)
Power input	Heating	Nom.	kW	0.87 (1) / 1.13 (2)	1.66 (1) / 2.01 (2)
COP				5.04 (1) / 3.58 (2)	4.45 (1) / 3.42 (2)
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307	
Weight	Unit		kg	54	56
Operation range	Heating	Min.-Max.	°CWB	-25~25	
Refrigerant	Type	R-410A			
	Charge		kg	1.45	1.60
Sound power level	Heating	Nom.	dB(A)	61	62
Sound pressure level	Heating	Nom.	dB(A)	48	49
Power supply	Name/Phase/Frequency/Voltage	Hz/V		V3/1~/50/230	
Current	Recommended fuses	A		20	

(1) Condition: 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)



Space heating
and cooling
Domestic hot
water

Heating & Cooling

Indoor unit				EHYHBX08AV3		EHYKOMB33AA	
Casing	Colour			White		White - RAL9010	
	Material			Precoated sheet metal			
Dimensions	Unit	HeightxWidthxDepth	mm	902x450x164		710x450x240	
Weight	Unit			31.2		36	
Operation range	Heating	Ambient	Min.~Max. °C	-25~-25		---	
		Water side	Min.~Max. °C	25~55		15 (1)~80 (1)	
	Cooling	Ambient	Min.~Max. °C	10~43		-	
		Water side	Min.~Max. °C	5~22		-	
	Domestic hot water	Water side	Min.~Max. °C	---		40~65	
Power supply	Name			V3		-	
	Phase					1~	
	Frequency					50	
	Voltage					230	

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

Outdoor unit				EVLQ08CV3	
Heating capacity	Min.			1.80 (1) / 1.80 (2)	
	Nom.			7.40 (1) / 6.89 (2)	
	Max.			10.02 (1) / 9.53 (2)	
Cooling capacity	Min.			2.50 (3) / 2.50 (4)	
	Nom.			6.86 (3) / 5.36 (4)	
Power input	Heating	Nom.	kW	1.66 (1) / 2.01 (2)	
	Cooling	Nom.	kW	2.01 (3) / 2.34 (4)	
COP				4.45 (1) / 3.42 (2)	
EER				3.41 (3) / 2.29 (4)	
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307	
Weight	Unit			56	
Operation range	Heating	Min.~Max.	°CWB	-25~-25	
Refrigerant	Type			R-410A	
	Charge			1.60	
Sound power level	Heating	Nom.	dBA	62	
Sound pressure level	Heating	Nom.	dBA	49 (3)	
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230	
Current	Recommended fuses		A	20	

(1) Condition: 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) (4) Cooling: Ta 35°C - LWE 7°C (DT=5°C)

The geothermal power

Geothermal energy is a free source of energy for heating, and domestic hot water. It delivers enormous cost savings in even the coldest climates. The compact design of the indoor unit requires very little space whilst, at the same time, making the system very easy and quick to install. And, once commissioned, our easy, user-friendly controls put the user in complete command.



Indoor unit

Highest seasonal efficiency thanks to our inverter heat pump technology

- › The Daikin inverter heat pump technology has been shown to provide an increase in seasonal efficiency of up to 20% when compared to traditional on/off ground source heat pumps
- › Higher brine temperatures during continuous compressor operation, in partial load conditions
- › Less back up heater operation thanks to the boosting of the inverter compressor frequency

Quick and easy installation including a domestic hot water tank

To keep things simple, the domestic hot water tank is factory-fitted, thus reducing the installation time and with the pipework connections on the top of the unit it is very easy to connect. The overall weight of the unit is kept at a minimum to facilitate ease of shipping and installation.

Compact indoor unit with pleasing design

- › The full integration of heat pump module and domestic hot water tank keeps the footprint very compact
- › High quality design helps the unit blend in with other household units

New user interface

- › Quick commissioning
- › User-friendly room thermostat functionality
- › Energy management functionality
- › Easy servicing



EGSQH-A9W

- › 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



Heating only

Indoor unit				EGSQH10S18A9W	
Heating capacity	Min.			3.11 (1) / 2.47 (2)	
	Nom.			10.2 (1) / 9.29 (2)	
	Max.			13.0 (1) / 11.9 (2)	
Power input	Nom.			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			210	
Tank	Water volume			180	
	Insulation	Heat loss	kWh/24h	1.36	
	Corrosion protection			Anode	
	Operation range				
Installation space	Brine side	Min.~Max.	°C	5~30	
	Heating	Water side	Min.~Max.	°C	
	Domestic hot water	Water side	Min.~Max.	°C	
				24~60 (heat pump) / 65 (heat pump + back up heater)	
			24~60 (heat pump) / 60 (back up heater)		
Refrigerant	Type			R-410A	
	Charge			1.8	
Sound power level	Nom.			46	
Sound pressure level	Nom.			32	
Power supply	Name			9W	
	Phase			3~	
	Frequency			50	
	Voltage			400	
Current	Recommended fuses			A	
					32

(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)

Daikin Altherma low temperature

Daikin Altherma offers two low temperature systems including a domestic hot water system all of which connect to the same range of accessories

Daikin Altherma low temperature split

Best seasonal efficiencies providing the highest savings on running costs

- › excellent COP ratings for incentive and certification schemes
- › no need for or only very limited use of electrical assistance
- › best efficiencies achieved within the most relevant temperature range

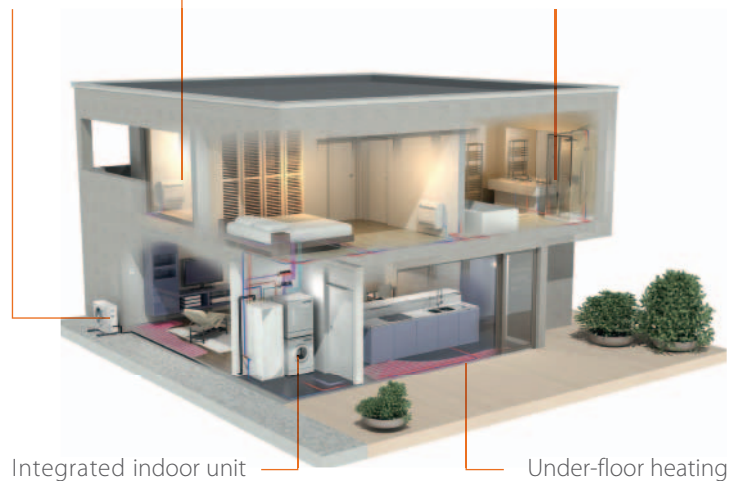
Perfect fit for new builds, as well as for low-energy houses

- › custom-made product for very low heat loads
- › built to withstand most severe winter conditions
- › heating, cooling and domestic hot water in one system

Outdoor unit:
4,6,8 kW and
11,14,16 kW

Heat pump
convector

Domestic
hot water



Heating, cooling and domestic hot water



Integrated heating and hot water unit, saving installation space and time

- › all components and connections factory-made
- › very small installation footprint required
- › minimum electrical input with constant availability of hot water

Heating, cooling and domestic hot water with solar energy



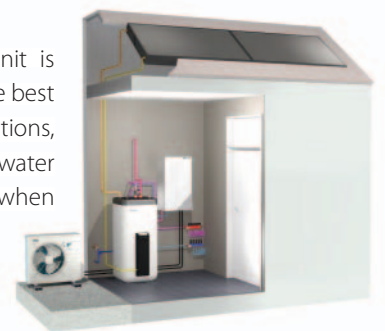
Integrated heating and hot water unit with extended flexibility

- › Solar support of domestic hot water with unpressurised (drain-back) and pressurised solar system
- › Lightweight plastic tank with exceptional hygienic benefits
- › Bivalent option: combinable with a secondary heat source
- › App control possible



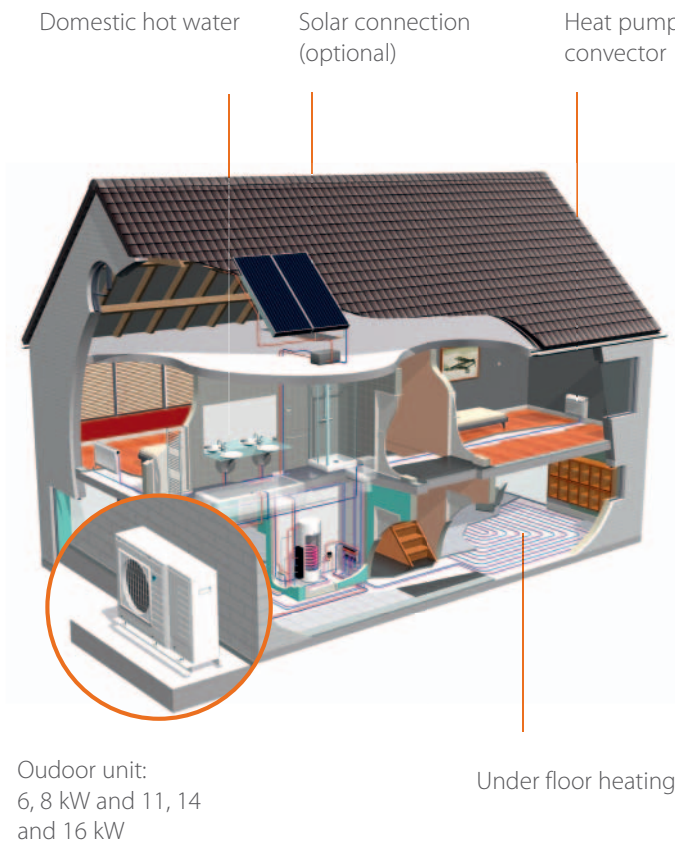
Wall mounted indoor unit with optional solar energy

A wall-mounted indoor unit is available as well, to offer the best solution in specific situations, e.g. when no domestic hot water heating is required or when a separate tank for solar energy is preferred.



Daikin Altherma low temperature monobloc

Everything combined in one outdoor unit



Easy installation

- › Quick and easy installation as only water pipes run indoors from the outdoor unit
- › Limited installation space thanks to small footprint and only outdoor space required

Freeze protection of hydraulic parts

- › insulation of all hydraulic components
- › special software to activate the pump and back-up heater if necessary

A solution for any application

- › Heating only or heating and cooling
- › Combinable with a domestic hot water tank with optional solar support

Accessories for low temperature applications

Heat pump convector

The heat pump convector is much more than a fan coil unit as it provides both heating and cooling if required and obtains optimal energy efficiency by approximately 25% when connected to a Daikin Altherma low temperature system in combination with under floor heating.

Solar connection

To save even more energy on your domestic hot water production, the Daikin Altherma system can be connected to a solar system. The high-efficiency collectors transfer all the short-wave solar radiation into heat as a result of their highly selective coating. The collectors can be mounted on the roof tiles.

Under floor heating

As Rotex is part of the Daikin group, all heating supplies can be offered. For more information, contact your local supplier.



EHVH-CB



ERLQ004-008CV3



ER(L/H)011-016CV3/BV3

- > Perfect fit for new built as well as for low energy houses
- > Best seasonal efficiencies, providing the highest savings on running costs
- > **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
- > Flexible configuration with respect to heat emitters
- > Outdoor unit extracts heat from the outdoor air, even at -25°C
- > Inverter controlled swing compressor

Space heating
Domestic hot water

down to
-25°C

Heating only

Indoor unit				EHVH04518CB3V	EHVH08518CB3V EHVH08526CB9W	EHVH08518CB3V EHVH08526CB9W	EHVH16518CB3V EHVH16526CB9W	EHVH16518CB3V EHVH16526CB9W	EHVH16518CB3V EHVH16526CB9W	EHVH16518CB3V EHVH16526CB9W	EHVH16518CB3V EHVH16526CB9W	
Casing	Colour	White										
	Material	Precoated sheet metal										
Dimensions	Unit	HeightxWidthxDepth	mm	1,732x600x728								
Weight	Unit			kg	115	116/126	116/126	120/129	120/129	120/129	120/129	120/129
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			-20~-35				
		Water side	Min.~Max.	°C	25~60							
Sound power level	Nom.			dBA	42			47				
Sound pressure level	Nom.			dBA	28			33				

Outdoor unit				ERLQ004CV3	ERLQ006CV3	ERLQ008CV3	ERLQ011CV3	ERLQ014CV3	ERLQ016CV3	ERLQ011CW1	ERLQ014CW1	ERLQ016CW1											
Heating capacity	Min.			1.80 (1) / 1.80 (2)																			
	Nom.			4.40 (1) / 4.03 (2)			6.00 (1) / 5.67 (2)		7.40 (1) / 6.89 (2)		11.20 (1) / 10.98 (2)		14.50 (1) / 13.60 (2)		16.00 (1) / 15.20 (2)		11.38		14.55		16.10		
	Max.			5.12 (1) / 4.90 (2)			8.35 (1) / 7.95 (2)		10.02 (1) / 9.35 (2)		8.81 (3) / 8.16 (4)		11.65 (3) / 10.96 (4)		12.30 (3) / 11.35 (4)		-		-				
Power input	Heating	Nom.			0.87 (1) / 1.13 (2)			1.27 (1) / 1.59 (2)		1.66 (1) / 2.01 (2)		2.56 (1) / 3.19 (2)		3.42 (1) / 4.13 (2)		3.81 (1) / 4.66 (2)		2.64		3.43		16.10	
		Max.			-			-		3.52 (3) / 4.14 (4)		4.95 (3) / 5.66 (4)		5.49 (3) / 6.43 (4)		-		-					
COP				5.04 (1) / 3.58 (2)		4.74 (1) / 3.56 (2)		4.45 (1) / 3.42 (2)		4.38 (1) / 2.50 (3) / 3.44 (2) / 1.97 (4)		4.24 (1) / 2.35 (3) / 3.29 (2) / 1.94 (4)		4.20 (1) / 2.24 (3) / 3.26 (2) / 1.79 (4)		4.31		4.24		4.20			
Dimensions	Unit	HeightxWidthxDepth	mm		735x832x307			1,345x900x320															
Weight	Unit			kg	54		56		113			114											
Operation range	Heating	Min.~Max.	°CWB		-25~-25			-25~-35															
	Domestic hot water	Min.~Max.	°CDB		-25~-35			-20~-35															
Refrigerant	Type	R-410A																					
	Charge			kg	1.45		1.60		3.4														
Sound power level	Heating	Nom.			dBA	61		62		64		66		64		66							
Sound pressure level	Heating	Nom.			dBA	48		49		51		52		51		52							
Power supply	Name/Phase/Frequency/Voltage			Hz/V		V3/1~/50/230						W1/3N~/50/400											
Current	Recommended fuses			A		20			40			20											

(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) Condition 3: heating Ta DB -7°C (RH85%) - LWC 35°C (4) Condition 4: heating Ta DB -7°C (RH85%) - LWC 45°C

EHVH-CB / ERHQ-BV3/BW1



**down to
-20°C**

Heating only

Indoor unit				EHVH16S18CB3V EHVH16S26CB9W	EHVH16S18CB3V EHVH16S26CB9W	EHVH16S18CB3V EHVH16S26CB9W	EHVH16S18CB3V EHVH16S26CB9W	EHVH16S18CB3V EHVH16S26CB9W	EHVH16S18CB3V EHVH16S26CB9W	
Casing	Colour	White								
	Material	Precoated sheet metal								
Dimensions	Unit	HeightxWidthxDepth	mm	1,732x600x728						
Weight	Unit			kg	120/129	120/129	120/129	120/129	120/129	120/129
Operation range	Heating	Ambient	Min.~Max.	°C	-25~35					
		Water side	Min.~Max.	°C	15~55					
	Domestic hot water	Ambient	Min.~Max.	°CDB	-20~35					
		Water side	Min.~Max.	°C	25~60					
Sound power level	Nom.			dBA	47					
Sound pressure level	Nom.			dBA	33					

Outdoor unit				ERHQ011BV3	ERHQ014BV3	ERHQ016BV3	ERHQ011BW1	ERHQ014BW1	ERHQ016BW1		
Heating capacity	Nom.			kW	11.2 (1) / 10.3 (2)	14.0 (1) / 13.1 (2)	16.0 (1) / 15.2 (2)	11.32 (1) / 10.98 (2)	14.50 (1) / 13.57 (2)	16.05 (1) / 15.11 (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)
Dimensions	Unit	HeightxWidthxDepth	mm		1,170x900x320			1,345x900x320			
Weight	Unit			kg	103			108			
Operation range	Heating	Min.~Max.			°CWB	-20~35					
		Domestic hot water	Min.~Max.			°CDB	-20~35				
Refrigerant	Type			R-410A							
	Charge			kg	2.7			2.95			
Sound power level	Heating	Nom.			dBA	64	66	64	64	66	
Sound pressure level	Heating	Nom.			dBA	49	51	53	51	52	
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3N~/50/400			
Current	Recommended fuses			A	32			20			

(1) DB/WB 7°C/6°C - LWC 35°C (DT=5°C) - (2) DB/WB 7°C/6°C - LWC 45°C (DT=5°C)

EHVX-CB / ERLQ-CV3/CW1



EHVX-CB



ERLQ004-008CV3



ER(L/H)Q011-016CV3/BV3

- > Perfect fit for new built as well as for low energy houses
- > Best seasonal efficiencies, providing the highest savings on running costs
- > **Integrated indoor unit:** all-in-one floor standing unit including the domestic hot water tank
- > Energy efficient **heating and cooling** system based on air to water heat pump technology
- > Flexible configuration with respect to heat emitters
- > Outdoor unit extracts heat from the outdoor air, even at -25°C
- > Inverter controlled swing compressor

Space heating
and cooling
Domestic hot
water

down to
-25°C

Heating & Cooling

Indoor unit				EHVX04518CB3V	EHVX08518CB3V EHVX08526CB9W	EHVX08518CB3V EHVX08526CB9W	EHVX16518CB3V EHVX16526CB9W	EHVX16518CB3V EHVX16526CB9W	EHVX16518CB3V EHVX16526CB9W	EHVX16518CB3V EHVX16526CB9W	EHVX16518CB3V EHVX16526CB9W	
Casing	Colour	White										
	Material	Precoated sheet metal										
Dimensions	Unit	HeightxWidthxDepth	mm	1,732x600x728								
Weight	Unit			kg	115	117/126	117/126	121/129	121/129	121/129	121/129	121/129
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25			-25~35			-25~35	
		Water side	Min.~Max.	°C	15~55			15~55			15~55	
	Cooling	Ambient	Min.~Max.	°CDB	10~43			10~46				
		Water side	Min.~Max.	°C	5~22							
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35			-20~35				
		Water side	Min.~Max.	°C	25~60							
Sound power level	Nom.			dBA	42			47			47	
Sound pressure level	Nom.			dBA	28			33				

Outdoor unit				ERLQ004CV3	ERLQ006CV3	ERLQ008CV3	ERLQ011CV3	ERLQ014CV3	ERLQ016CV3	ERLQ011CW1	ERLQ014CW1	ERLQ016CW1				
Heating capacity	Min.			1.80 (1) / 1.80 (2)												
	Nom.			4.40 (1) / 4.03 (2) 6.00 (1) / 5.67 (2) 7.40 (1) / 6.89 (2) 11.20 (1) / 10.98 (2) 14.50 (1) / 13.60 (2) 16.00 (1) / 15.20 (2) 11.38 14.55 16.10												
	Max.			5.12 (1) / 4.90 (2) 8.35 (1) / 7.95 (2) 10.02 (1) / 9.53 (2) 8.81 (3) / 8.16 (4) 11.65 (3) / 10.96 (4) 12.30 (3) / 11.35 (4) -												
Cooling capacity	Min.			2.00 (1) / 2.00 (2) 2.50 (1) / 2.50 (2) -												
	Nom.			5.00 (1) / 4.17 (2) 6.76 (1) / 4.84 (2) 6.86 (1) / 5.36 (2) 15.05 (1) / 11.72 (2) 16.06 (1) / 12.55 (2) 16.76 (1) / 13.12 (2) 11.72 12.55 13.12												
Power input	Heating	Nom.			0.87 (1) / 1.13 (2) 1.27 (1) / 1.59 (2) 1.66 (1) / 2.01 (2) 2.56 (1) / 3.19 (2) 3.42 (1) / 4.13 (2) 3.81 (1) / 4.66 (2) 2.64 3.43 3.83											
		Max.			- - - 3.52 (3) / 4.14 (4) 4.95 (3) / 5.66 (4) 5.49 (3) / 6.34 (4) -											
	Cooling	Nom.			1.48 (1) / 1.80 (2) 1.96 (1) / 2.07 (2) 2.01 (1) / 2.34 (2) 4.53 (1) / 4.31 (2) 5.43 (1) / 5.08 (2) 5.16 (1) / 5.73 (2) 4.31 5.09 5.74											
COP					5.04 (1) / 3.58 (2) 4.74 (1) / 3.56 (2) 4.45 (1) / 3.42 (2) 4.38 (1) / 2.50 (3) / 3.44 (2) / 1.97 (4) 4.24 (1) / 2.35 (3) / 3.29 (2) / 1.94 (4) 4.20 (1) / 2.24 (3) / 3.26 (2) / 1.79 (4) 4.31 4.24 4.20											
EER					3.37 (1) / 2.32 (2) 3.45 (1) / 2.34 (2) 3.42 (1) / 2.29 (2) 3.32 (1) / 2.72 (2) 2.96 (1) / 2.47 (2) 2.72 2.47 2.29											
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307				1,345x900x320								
Weight	Unit			kg	54	56	113			114						
Operation range	Heating	Min.~Max.			-25~25			-25~35								
		Cooling	Min.~Max.			10~43			10.0~46.0							
	Domestic hot water	Min.~Max.			-25~35			-20~35								
Refrigerant	Type	R-410A														
	Charge			kg	1.45	1.60	3.4									
Sound power level	Heating	Nom.			61		62		64		66		64		66	
	Cooling	Nom.			63		64		66		69		64		66	
Sound pressure level	Heating	Nom.			48 (3)		49 (3)		51		52		51		52	
	Cooling	Nom.			48 (3)		49 (3)		50		52		50		52	
Power supply	Name/Phase/Frequency/Voltage			V3/1~/50/230				W1/3N~/50/400								
Current	Recommended fuses			20				40				20				

(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) Condition 3: heating Ta DB -7°C (RH85%) - LWC 35°C (4) Condition 4: heating Ta DB -7°C (RH85%) - LWC 45°C

EHVX-CB / ERHQ-BV3/BW1



**down to
-20°C**

Heating & Cooling

Indoor unit				EHVX16S18CB3V EHVX16S26CB9W	EHVX16S18CB3V EHVX16S26CB9W	EHVX16S18CB3V EHVX16S26CB9W	EHVX16S18CB3V EHVX16S26CB9W	EHVX16S18CB3V EHVX16S26CB9W	EHVX16S18CB3V EHVX16S26CB9W
Casing	Colour	White							
	Material	Precoated sheet metal							
Dimensions	Unit	HeightxWidthxDepth	mm	1,732x600x728					
Weight	Unit		kg	121/129	121/129	121/129	121/129	121/129	121/129
Operation range	Heating	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
	Cooling	Ambient	Min.~Max.	°CDB					
		Water side	Min.~Max.	°C					
	Domestic hot water	Ambient	Min.~Max.	°CDB					
		Water side	Min.~Max.	°C					
Sound power level	Nom.		dBA	47					
Sound pressure level	Nom.		dBA	33					

Outdoor unit				ERHQ011BV3	ERHQ014BV3	ERHQ016BV3	ERHQ011BW1	ERHQ014BW1	ERHQ016BW1
Heating capacity	Nom.		kW	11.2 (1) / 10.30 (2)	14.0 (1) / 13.1 (2)	16.0 (1) / 15.2 (2)	11.32 (1) / 10.98 (2)	14.50 (1) / 13.57 (2)	16.05 (1) / 15.11 (2)
Cooling capacity	Nom.		kW	13.9 (1) / 10.0 (2)	17.3 (1) / 12.5 (2)	17.8 (1) / 13.1 (2)	15.05 (1) / 11.72 (2)	16.06 (1) / 12.55 (2)	16.76 (1) / 13.12 (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) / 5.39 (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)
Dimensions	Unit	HeightxWidthxDepth	mm	1,170x900x320			1,345x900x320		
Weight	Unit		kg	103			108		
Operation range	Heating	Min.~Max.	°CWB	-20~35			-25~35		
	Cooling	Min.~Max.	°CDB				10~46		
	Domestic hot water	Min.~Max.	°CDB				-20~35		
Refrigerant	Type			R-410A					
	Charge		kg	2.7			2.95		
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)DB/WB 7°C/6°C - LWC 35°C (DT=5°C) - (2) DB/WB 7°C/6°C - LWC 45°C (Dt=5°C)

EHSX-A / ERLQ-CV3/CW1



EHSX-A



ERLQ004-008CV3



ERLQ011-016CV3

- > Perfect fit for new built as well as for low energy houses
- > Best seasonal efficiencies, providing the highest savings on running costs
- > **Solar support of domestic hot water** with unpressurised (drain-back) and pressurised solar system
- > Energy efficient **heating and cooling** system based on air to water heat pump technology
- > Lightweight plastic tank
- > Bivalent option: combinable with a secondary heat source
- > App control possible
- > Outdoor unit extracts heat from the outdoor air, even at -25°C
- > Inverter controlled swing compressor

Space heating and cooling
Domestic hot water with solar

down to
-25°C

Heating & Cooling

Indoor unit		EHSX04P30A	EHSX08P30A	EHSX08P50A	EHSX16P50A
Casing	Colour	Tank: white RAL 9003 / Top cover: steel grey RAL 7011			
Dimensions	Unit	1,950x615x595		1,940x790x790	
Weight	Unit	87		116	
Operation range	Water side	Min.~Max.	15~55		
	Water side	Min.~Max.	5~22		
	Water side	Min.~Max.	25~80		
Sound power level	Nom.	42		66	
Sound pressure level	Nom.	28		32	

Outdoor unit		ERLQ004CV3	ERLQ006CV3	ERLQ008CV3	ERLQ006CV3	ERLQ008CV3	ERLQ011CV3/CW1	ERLQ014CV3/CW1	ERLQ016CV3/CW1	
Heating capacity	Nom.	4.53 (1) / 3.47 (2)	6.06 (1) / 4.6 (2)	7.78 (1) / 5.51 (2)	6.06 (1) / 4.6 (2)	7.78 (1) / 5.51 (2)	11.8 (1) / 7.7 (2)	14.8 (1) / 9.6 (2)	15.3 (1) / 10.1 (2)	
Cooling capacity	Nom.	4.42 (3)	5.22 (3)		5.22 (3)		15.1 (3)	16.1 (3)	16.8 (3)	
COP		5.23 (1) / 4.07 (2)	4.65 (1) / 3.64 (2)	4.6 (1) / 3.54 (2)	4.65 (1) / 3.64(2)	4.6 (1) / 3.54 (2)	4.47 (1) / 3.29 (2)	4.27 (1) / 3.22 (2)	4.1 (1) / 3.15 (2)	
EER		4.21 (3)	3.65 (3)		3.65 (3)		3.32 (3)	2.96 (3)	2.72 (3)	
Dimensions	Unit	735x832x307		735x832x307		1,345x900x320				
Weight	Unit	54	56		113		114			
Operation range	Heating	Min.~Max.	-25~-25		-25~-25		-25~35			
	Cooling	Min.~Max.	10~43		10~43		10.0~46.0			
	Domestic hot water	Min.~Max.	-25~-35		-25~-35		-20~35			
Refrigerant	Type	R-410A								
	Charge	kg	1.45	1.60		1.60		3.4		
Sound power level	Heating	Nom.	61	62	61	62	64	64	66	
	Cooling	Nom.	63		63		64	66	69	
Sound pressure level	Heating	Nom.	48	49	48	49	51	51	52	
	Cooling	Nom.	48	49	50	49	50	52	54	
Power supply	Name/Phase/Frequency/Voltage	V3/1~/50/230						W1/3N~/50/400		
Current	Recommended fuses	A						20		

(1) Condition 1: heating Ta 7°C / LWC 35°C (2) Condition

(2) heating Ta 2°C / LWC 35°C

(3) Condition 3: cooling Ta 35°C / LWC 18°C

*Note: grey cells contain preliminary data



Bivalent
version: space
heating and cooling
Domestic hot water
with solar

down to
-25°C

Heating & Cooling

Indoor unit				EHSXB04P30A	EHSXB08P30A	EHSXB08P50A	EHSXB16P50A
Casing	Colour	Tank: white RAL 9003 / Top cover: steel grey RAL 7011					
Dimensions	Unit	HeightxWidthxDepth	mm	1,950x615x595		1,940x790x790	
Weight	Unit		kg	92		119	
Operation range	Water side	Min.~Max.	°C	15~55			
	Water side	Min.~Max.	°C	5~22			
	Water side	Min.~Max.	°C	25~80			
Sound power level	Nom.		dBA	42		42/62	
Sound pressure level	Nom.		dBA	28		28/29	
						66	
						32	

Outdoor unit				ERLQ004CV3	ERLQ006CV3	ERLQ008CV3	ERLQ006CV3	ERLQ008CV3	ERLQ011CV3/CW1	ERLQ014CV3/CW1	ERLQ016CV3/CW1
Heating capacity	Nom.		kW	4.53 (1) / 3.47 (2)	6.06 (1) / 4.6 (2)	7.78 (1) / 5.51 (2)	6.06 (1) / 4.6 (2)	7.78 (1) / 5.51 (2)	11.8 (1) / 7.7 (2)	14.8 (1) / 9.6 (2)	15.3 (1) / 10.1 (2)
Cooling capacity	Nom.		kW	4.42 (3)		5.22 (3)			15.1 (3)	16.1 (3)	16.8 (3)
COP				5.23 (1) / 4.07 (2)	4.65 (1) / 3.64 (2)	4.6 (1) / 3.54 (2)	4.65 (1) / 3.64 (2)	4.6(1) / 3.54 (2)	4.47 (1) / 3.29 (2)	4.27 (1) / 3.22 (2)	4.1 (1) / 3.15 (2)
EER				4.21 (3)		3.65 (3)			3.32 (3)	2.96 (3)	2.72 (3)
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307				1,345x900x320			
Weight	Unit		kg	54		56		113		114	
Operation range	Heating	Min.~Max.	°CWB	-25~-25				-25~-35			
	Cooling	Min.~Max.	°CDB	10~43				10.0~46.0			
	Domestic hot water	Min.~Max.	°CDB	-25~-35				-20~-35			
Refrigerant	Type			R-410A							
	Charge		kg	1.45		1.60		3.4			
Sound power level	Heating	Nom.	dBA	61		62		61		62	
	Cooling	Nom.	dBA			63				64	
Sound pressure level	Heating	Nom.	dBA	48 (3)		49 (3)		48		49	
	Cooling	Nom.	dBA	48 (3)		49 (3)		50 (3)		49	
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230				W1/3N~/50/400			
Current	Recommended fuses		A	20				20		20	

(1) Condition 1: heating Ta 7°C / LWC 35°C
 (2): heating Ta 2°C / LWC 35°C
 (3) Condition 3: cooling Ta 35°C / LWC 18°C

*Note: grey cells contain preliminary data



EHBH-C



ERLQ004-008CV3



ER(L/H)Q011-016CV3/BV3

- > Perfect fit for new built as well as for low energy houses
- > Best seasonal efficiencies, providing the highest savings on running costs
- > **Wall mounted indoor unit**
- > Energy efficient **heating only** system based on air to water heat pump technology
- > 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
- > Inverter controlled swing compressor

Space heating
and cooling
Domestic hot
water

down to
-25°C

Heating only

Indoor unit				EHBH04C3V	EHBH08CB3V EHBH08CB9W	EHBH08CB3V EHBH08CB9W	EHBH16CB3V EHBH16CB9W	EHBH16CB3V EHBH16CB9W	EHBH16CB3V EHBH16CB9W	EHBH16CB3V EHBH16CB9W	EHBH16CB3V EHBH16CB9W	
Casing	Colour	White										
	Material	Precoated sheet metal										
Dimensions	Unit	HeightxWidthxDepth	mm	890x480x344								
Weight	Unit		kg	44	46/48			47/48				
Operation range	Heating	Ambient	Min.~Max.	-25~25				-25~35				
		Water side	Min.~Max.	15 (4)~55 (4)				15~55				
	Domestic hot water	Ambient	Min.~Max.	-25~35				-20~35				
		Water side	Min.~Max.	25~80								
Sound power level	Nom.		dBA	40			47					
Sound pressure level	Nom.		dBA	26			33					

Outdoor unit				ERLQ004CV3	ERLQ006CV3	ERLQ008CV3	ERLQ011CV3	ERLQ014CV3	ERLQ016CV3	ERLQ011CW1	ERLQ014CW1	ERLQ016CW1
Heating capacity	Min.		kW	1.80 (1) / 1.80 (2)								
	Nom.		kW	4.40 (1) / 4.03 (2)	6.00 (1) / 5.67 (2)	7.40 (1) / 6.89 (2)	11.20 (1) / 10.98 (2)	14.50 (1) / 13.60 (2)	16.00 (1) / 15.20 (2)	11.2 / 10.3	14.0 / 13.1	16.0 / 15.2
	Max.		kW	5.12 (1) / 4.90 (2)	8.35 (1) / 7.95 (2)	10.02 (1) / 9.35 (2)	8.81 (3) / 8.16 (4)	11.65 (3) / 10.96 (4)	12.30 (3) / 11.35 (4)	-		
Power input	Heating	Nom.	kW	0.87 (1) / 1.13 (2)	1.27 (1) / 1.59 (2)	1.66 (1) / 2.01 (2)	2.56 (1) / 3.19 (2)	3.42 (1) / 4.13 (2)	3.81 (1) / 4.66 (2)	2.55 / 3.17	3.26 / 4.04	3.92 / 4.75
		Max.	kW	-			3.52 (3) / 4.14 (4)	4.95 (3) / 5.66 (4)	5.49 (3) / 6.43 (4)	-		
COP				5.04 (1) / 3.58 (2)	4.74 (1) / 3.56 (2)	4.45 (1) / 3.42 (2)	4.38 (1) / 2.50 (3) / 3.44 (2) / 1.97 (4)	4.24 (1) / 2.35 (3) / 3.29 (2) / 1.94 (4)	4.20 (1) / 2.24 (3) / 3.26 (2) / 1.79 (4)	4.39 / 3.25	4.29 / 3.24	4.08 / 3.20
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307			1,345x900x320			1,170x900x320		
Weight	Unit		kg	54	56		113			103		
Operation range	Heating	Min.~Max.	°CWB	-25~25			-25~35			-20~35		
		Domestic hot water	Min.~Max.	°CDB	-25~35			-20~35				
Refrigerant	Type	R-410A										
	Charge		kg	1.45	1.60		3.4			2.7		
Sound power level	Heating	Nom.	dBA	61		62	64		66		64	66
Sound pressure level	Heating	Nom.	dBA	48 (3)		49 (3)	51		52		49	51
Power supply	Name/Phase/Frequency/Voltage	Hz/V										
Current	Recommended fuses		A	20			40			32		

(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) Condition 3: heating Ta DB -7°C (RH85%) - LWC 35°C (4) Condition 4: heating Ta DB -7°C (RH85%) - LWC 45°C

EHBH-CB / ERHQ-BV3/BW1



**down to
-20°C**

Heating only

Indoor unit				EHBH16C3V EHBH16C9W	EHBH16C3V EHBH16C9W	EHBH16C3V EHBH16C9W	EHBH16C3V EHBH16C9W	EHBH16C3V EHBH16C9W	EHBH16C3V EHBH16C9W
Casing	Colour	White							
	Material	Precoated sheet metal							
Dimensions	Unit	HeightxWidthxDepth	mm	890x480x344					
Weight	Unit			kg	47/48	47/48	47/48	47/48	47/48
Operation range	Heating	Ambient	Min.~Max.	°C	-25~35				
		Water side	Min.~Max.	°C	15~55				
	Domestic hot water	Ambient	Min.~Max.	°CDB	-20~35				
		Water side	Min.~Max.	°C	25~80				
Sound power level	Nom.			dBA	47				
Sound pressure level	Nom.			dBA	33				

Outdoor unit				ERHQ011BW1	ERHQ014BW1	ERHQ016BW1	ERHQ011BV3	ERHQ014BV3	ERHQ016BV3		
Heating capacity	Nom.			kW	11.32 (1) / 10.98 (2)	14.50 (1) / 13.57 (2)	16.05 (1) / 15.11 (2)	11.32 (1) / 10.98 (2)	14.50 (1) / 13.57 (2)	16.05 (1) / 15.11 (2)	
Power input	Heating	Nom.			kW	2.63 (1) / 3.24 (2)	3.42 (1) / 4.21 (2)	3.82 (1) / 4.69 (2)	2.63 (1) / 3.24 (2)	3.42 (1) / 4.21 (2)	3.82 (1) / 4.69 (2)
COP						4.30 (1) / 3.39 (2)	4.24 (1) / 3.22 (2)	4.20 (1) / 3.22 (2)	4.30 (1) / 3.39 (2)	4.24 (1) / 3.22 (2)	4.20 (1) / 3.22 (2)
Dimensions	Unit	HeightxWidthxDepth			mm	1,345x900x320					
Weight	Unit			kg	108						
Operation range	Heating	Min.~Max.			°CWB	-25~35					
		Domestic hot water	Min.~Max.			°CDB	-20~35				
Refrigerant	Type			R-410A							
	Charge			kg	2.95						
Sound power level	Heating	Nom.			dBA	64	66	64	64	66	
Sound pressure level	Heating	Nom.			dBA	51	52	51	51	52	
Power supply	Name/Phase/Frequency/Voltage			Hz/V	W1/3N~/50/400						
Current	Recommended fuses			A	20						

(1)DB/WB 7°C/6°C - LWC 35°C (DT=5°C) - (2) DB/WB 7°C/6°C - LWC 45°C (Dt=5°C)



EHBX-CB



ERLQ004-008CV3



ER(L/H)Q011-016CV3/BV3

- › Perfect fit for new built as well as for low energy houses
- › Best seasonal efficiencies, providing the highest savings on running costs
- › **Wall mounted indoor unit**
- › Energy efficient **heating and cooling** system based on air to water heat pump technology
- › 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
- › Inverter controlled swing compressor

Space heating and cooling
Optional domestic hot water

down to
-25°C

Heating & Cooling

Indoor unit				EHBX04CB3V	EHBX08CB3V EHBX08CB9W	EHBX08CB3V EHBX08CB9W	EHBX16CB3V EHBX16CB9W	EHBX16CB3V EHBX16CB9W	EHBX16CB3V EHBX16CB9W	EHBX16CB3V EHBX16CB9W	EHBX16CB3V EHBX16CB9W	
Casing	Colour	White										
	Material	Precoated sheet metal										
Dimensions	Unit	HeightxWidthxDepth	mm	890x480x344								
Weight	Unit			kg	44	46/48	46/48	47/48	47/48	47/48	47/48	47/48
Operation range	Heating	Ambient	Min.~Max.	°C	-25~25			-25~35			-25~35	
		Water side	Min.~Max.	°C	15~55			15~55			15~55	
	Cooling	Ambient	Min.~Max.	°CDB	10~43			10~46				
		Water side	Min.~Max.	°C	5~22							
	Domestic hot water	Ambient	Min.~Max.	°CDB	-25~35			-20~35				
		Water side	Min.~Max.	°C	25~80							
Sound power level	Nom.			dBA	40			47				
Sound pressure level	Nom.			dBA	26			33				

Outdoor unit				ERLQ004CV3	ERLQ006CV3	ERLQ008CV3	ERLQ011CV3	ERLQ014CV3	ERLQ016CV3	ERLQ011CW1	ERLQ016CW1	ERLQ014CW1		
Heating capacity	Min.			1.80 (1) / 1.80 (2)										
	Nom.			4.40 (1) / 4.03 (2) 6.00 (1) / 5.67 (2) 7.40 (1) / 6.89 (2) 11.20 (1) / 10.98 (2) 14.50 (1) / 13.60 (2) 16.00 (1) / 15.20 (2) 11.32 / 10.98 14.50 / 13.57 16.05 / 15.11										
	Max.			5.12 (1) / 4.90 (2) 8.35 (1) / 7.95 (2) 10.02 (1) / 9.53 (2) 8.81 (3) / 8.16 (4) 11.65 (3) / 10.96 (4) 12.30 (3) / 11.35 (4)										
Cooling capacity	Min.			2.00 (1) / 2.00 (2) 2.50 (1) / 2.50 (2)										
	Nom.			5.00 (1) / 4.17 (2) 6.76 (1) / 4.84 (2) 6.86 (1) / 5.3 (2) 15.05 (1) / 11.72 (2) 16.06 (1) / 12.55 (2) 16.76 (1) / 13.12 (2) 15.05 / 11.72 16.06 / 12.55 16.76 / 13.12										
Power input	Heating	Nom.			0.87 (1) / 1.13 (2) 1.27 (1) / 1.59 (2) 1.66 (1) / 2.01 (2) 2.56 (1) / 3.19 (2) 3.42 (1) / 4.13 (2) 3.81 (1) / 4.66 (2) 2.63 / 3.24 3.42 / 4.21 3.82 / 4.69									
		Max.			-									
Cooling	Nom.			1.48 (1) / 1.80 (2) 1.96 (1) / 2.07 (2) 2.01 (1) / 2.34 (2) 4.53 (1) / 4.31 (2) 5.43 (1) / 5.08 (2) 5.16 (1) / 5.73 (2) 4.53 / 4.31 5.43 / 5.08 6.16 / 5.73										
				5.04 (1) / 3.58 (2) 4.74 (1) / 3.56 (2) 4.45 (1) / 3.42 (2) 4.38 (1) / 2.50 (3) / 3.44 (2) / 1.97 (4) 4.24 (1) / 2.35 (3) / 3.29 (2) / 1.94 (4) 4.20 (1) / 2.24 (3) / 3.26 (2) / 1.79 (4) 4.30 / 3.39 4.24 / 3.22 4.20 / 3.22										
EER					3.37 (1) / 2.32 (2) 3.45 (1) / 2.34 (2) 3.42 (1) / 2.29 (2) 3.32 (1) / 2.72 (2) 2.96 (1) / 2.47 (2) 2.72 (1) / 2.29 (2) 3.32 / 2.72 2.96 / 2.47 2.72 / 2.29									
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307				1,345x900x320						
Weight	Unit			kg	54		56		113		108			
Operation range	Heating	Min.~Max.			°CWB -25~25									
		Cooling	Min.~Max.			°CDB 10~43								
	Domestic hot water	Min.~Max.			°CDB -25~35									
Refrigerant	Type			R-410A										
	Charge			kg		1.45		1.60		3.4		2.95		
Sound power level	Heating	Nom.			dBA		61		62		64		66	
		Cooling	Nom.			dBA		63		64		66		69
Sound pressure level	Heating	Min.~Max.			dBA		48 (3)		49 (3)		51		52	
		Cooling	Min.~Max.			dBA		48 (3)		49 (3)		50		54
Power supply	Name/Phase/Frequency/Voltage			Hz/V V3/1~/50/230										
Current	Recommended fuses			A		20		40		20				

(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) Condition 3: heating Ta DB -7°C (RH85%) - LWC 35°C (4) Condition 4: heating Ta DB -7°C (RH85%) - LWC 45°C

EHBX-CB / ERHQ-BV3/BW1



SOURCE TO WATER
HEAT PUMPS

**down to
-20°C**

Heating & Cooling

Indoor unit				EHBX16CB3V EHBX16CB9W	EHBX16CB3V EHBX16CB9W	EHBX16CB3V EHBX16CB9W	EHBX16CB3V EHBX16CB9W	EHBX16CB3V EHBX16CB9W	EHBX16CB3V EHBX16CB9W
Casing	Colour	White							
	Material	Precoated sheet metal							
Dimensions	Unit	HeightxWidthxDepth	mm	890x480x344					
Weight	Unit		kg	47/48	47/48	47/48	47/48	47/48	47/48
Operation range	Heating	Ambient	Min.-Max. °C	-25~35				-25~35	
		Water side	Min.-Max. °C	15~55				15~55	
	Cooling	Ambient	Min.-Max. °CDB	10~46					
		Water side	Min.-Max. °C	5~22					
	Domestic hot water	Ambient	Min.-Max. °CDB	-20~35					
		Water side	Min.-Max. °C	25~80					
Sound power level	Nom.		dBA	47					
Sound pressure level	Nom.		dBA	33					

Outdoor unit				ERHQ011BV3	ERHQ014BV3	ERHQ016BV3	ERHQ011BW1	ERHQ014BW1	ERHQ016BW1
Heating capacity	Nom.		kW	11.2 (3) / 10.30 (4)	14.0 (3) / 13.1 (4)	16.0 (3) / 15.2 (4)	11.32 / 10.98	14.50 / 13.57	16.05 / 15.11
Cooling capacity	Nom.		kW	13.9 (2) / 10.0 (1)	17.3 (2) / 12.5 (1)	17.8 (2) / 13.1 (1)	15.05 / 11.72	16.06 / 12.55	16.76 / 13.12
Power input	Heating	Nom.	kW	2.55 (3) / 3.17 (4)	3.26 (3) / 4.04 (4)	3.92 (3) / 4.75 (4)	2.63 / 3.24	3.42 / 4.21	3.82 / 4.69
	Cooling	Nom.	kW	3.86 (2) / 3.69 (1)	5.86 (2) / 5.39 (1)	6.87 (2) / 5.95 (1)	4.53 / 4.31	5.43 / 5.08	6.16 / 5.73
COP				4.39 (3) / 3.25 (4)	4.29 (3) / 3.24 (4)	4.08 (3) / 3.20 (4)	4.30 / 3.39	4.24 / 3.22	4.20 / 3.22
EER				3.60 (2) / 2.71 (1)	2.95 (2) / 2.32 (1)	2.59 (2) / 2.20 (1)	3.32 / 2.72	2.96 / 2.47	2.72 / 2.29
Dimensions	Unit	HeightxWidthxDepth	mm	1,170x900x320			1,345x900x320		
Weight	Unit		kg	103			108		
Operation range	Heating	Min.-Max.	°CWB	-20~35			-25~35		
	Cooling	Min.-Max.	°CDB				10~46		
	Domestic hot water	Min.-Max.	°CDB				-20~35		
Refrigerant	Type			R-410A					
	Charge		kg	2.7			2.95		
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)DB/WB 7°C/6°C - LWC 35°C (Dt=5°C) - (2) DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) (3) Condition 3: heating Ta DB -7°C (RH85%) - LWC 35°C (4) Condition 4: heating Ta DB -7°C (RH85%) - LWC 45°C

EBHQ-BBV3 EKCBH(X)-BCV3

Daikin Altherma low temperature monobloc



EBHQ-BV3



EKCBH(X)-BBV3



EB(L/H)Q-011-016BB

- > **Single phase reversible monobloc**
- > Energy efficient **heating and cooling** system based on air to water heat pump technology
- > H₂O piping between outdoor unit and indoor heat emitters
- > Low energy bills and low CO₂ emissions
- > Eco-label certified
- > Built-in electric back-up heater as additional heating during extremely cold outdoor temperature
- > Inverter controlled swing compressor
- > Possible to combine with domestic hot water

Space heating
and cooling
Optional
domestic hot
water

Heating & Cooling

Indoor unit				EBHQ06BBV3	EBHQ08BBV3	EKCBH08BCV3	EKCBX08BCV3
Heating capacity	Nom.		kW	6.00 (2) / 5.58 (4)	8.85 (2) / 8.15 (4)	-	-
Cooling capacity	Nom.		kW	7.00 (1) / 5.12 (3)	8.37 (1) / 6.08 (3)	-	-
Power input	Cooling	Nom.	kW	2.20 (1) / 2.16 (3)	2.97 (1) / 2.75 (3)	-	-
	Heating	Nom.	kW	1.41 (2) / 1.79 (4)	2.21 (2) / 2.72 (4)	-	-
COP				4.26 (2) / 3.11 (4)	4.00 (2) / 3.00 (4)	-	-
EER				3.18 (1) / 2.37 (3)	2.82 (1) / 2.21 (3)	-	-
Dimensions	Unit	Height	mm	805		390	
		Width	mm	1,190		412	
		Depth	mm	360		100	
		Depth with remocon mounted on front plate	mm	-		120	
Weight	Unit		kg	95		6	
Operation range	Heating	Ambient	Min.~Max. °CWB	-15~25		---	
		Water side	Min.~Max. °C	15 (7)~50 (7)		---	
	Cooling	Ambient	Min.~Max. °CDB	10~43		---	
		Water side	Min.~Max. °C	5~22		---	
	Domestic hot water	Ambient	Min.~Max. °CDB	-15~35		---	
		Water side	Min.~Max. °C	25~80		---	
Indoor installation	Ambient	Min. °CDB	-		4		
	Max. °CDB	-		35			
Refrigerant	Type			R-410A		-	
	Charge			1.7		-	
Sound power level	Heating	Nom.	dBA	61	62	-	
	Cooling	Nom.	dBA	63		-	
Sound pressure level	Heating	Nom.	dBA	48 (6)	49 (6)	-	
	Cooling	Nom.	dBA	48 (6)	50 (6)	-	
Compressor component	Main power supply	Name			V3		-
		Phase			1~		-
		Frequency	Hz		50		-
		Voltage	V		230		-

(1) Tamb 35°C - LWE 18°C (DT=5°C) (2) DB/WB 7°C/6°C - LWC 35°C (DT=5°C) (3) Tamb 35°C - LWE 7°C (DT=5°C) (4) DB/WB 7°C/6°C - LWC 45°C (Dt=5°C)

- > **Single and three phase reversible monobloc**
- > Energy efficient **heating and cooling** system based on air to water heat pump technology
- > Low energy bills and low CO₂ emissions
- > Eco-label certified
- > H₂O piping between outdoor unit and indoor heat emitters
- > Inverter controlled scroll compressor
- > Built-in electric back-up heater as additional heating during extremely cold outdoor temperature
- > Outdoor unit extracts heat from the outdoor air, even at -20°C
- > Possible to combine with domestic hot water



Space heating and cooling
Optional domestic hot water

Heating & Cooling

Outdoor unit				EBHQ011BB6V3 EBLQ011BB6V3	EBHQ014BB6V3 EBLQ014BB6V3	EBHQ016BB6V3 EBLQ016BB6V3	EBHQ011BB6W1 EBLQ011BB6W1	EBHQ014BB6W1 EBLQ014BB6W1	EBHQ016BB6W1 EBLQ016BB6W1
Heating capacity	Nom.		kW	11.20 (1) / 10.87 (2)	14.00 (1) / 13.10 (2)	16.00 (1) / 15.06 (2)	11.20 (1) / 10.87 (2)	14.00 (1) / 13.10 (2)	16.00 (1) / 15.06 (2)
Cooling capacity	Nom.		kW	12.85 (1) / 10.00 (2)	15.99 (1) / 12.50 (2)	16.73 (1) / 13.10 (2)	12.85 (1) / 10.00 (2)	15.99 (1) / 12.50 (2)	16.73 (1) / 13.10 (2)
Power input	Cooling	Nom.	kW	3.87 (1) / 3.69 (2)	5.75 (1) / 5.39 (2)	6.36 (1) / 5.93 (2)	3.87 (1) / 3.69 (2)	5.40 (1) / 5.06 (2)	6.15 (1) / 5.75 (2)
	Heating	Nom.	kW	2.56 (1) / 3.31 (2)	3.29 (1) / 4.01 (2)	3.88 (1) / 4.71 (2)	2.60 (1) / 3.21 (2)	3.30 (1) / 4.07 (2)	3.81 (1) / 4.66 (2)
COP				4.38 (1) / 3.28 (2)	4.25 (1) / 3.27 (2)	4.12 (1) / 3.20 (2)	4.31 (1) / 3.38 (2)	4.24 (1) / 3.22 (2)	4.20 (1) / 3.23 (2)
EER				3.32 (1) / 2.71 (2)	2.78 (1) / 2.32 (2)	2.63 (1) / 2.21 (2)	3.32 (1) / 2.71 (2)	2.96 (1) / 2.47 (2)	2.72 (1) / 2.28 (2)
Dimensions	Unit	Height	mm	1,418					
		Width	mm	1,435					
		Depth	mm	382					
Weight	Unit		kg	180					
Hydraulic component	Back-up heater current	Type		6V3			6W1		
		Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230			3~/50/400	
Operation range	Heating	Ambient	Min.~Max. °CWB	-15~35 (EBHQ) / -20~35 (EBLQ)			-15~35 (EBHQ) / -25~35 (EBLQ)		
		Water side	Min.~Max. °C	15 (6)~55 (6)					
	Cooling	Ambient	Min.~Max. °CDB	10~46					
		Water side	Min.~Max. °C	5~22					
	Domestic hot water	Ambient	Min.~Max. °CDB	-15~43 (EBHQ) / -20~43 (EBLQ)			-15~43 (EBHQ) / -25~43 (EBLQ)		
		Water side	Min.~Max. °C	25~80					
Refrigerant	Type			R-410A					
	Charge		kg	2.95					
Sound power level	Heating	Nom.	dBA	64	65	66	64	65	66
	Cooling	Nom.	dBA	65	66	69	65	66	69
Sound pressure level	Heating	Nom.	dBA	51 (3)			51 (3)		
	Cooling	Nom.	dBA	50 (3)	52 (3)	54 (3)	50 (3)	52 (3)	54 (3)
Compressor component	Main power supply	Name		V3			W1		
		Phase		1~			3N~		
		Frequency	Hz	50					
		Voltage	V	230			400		

(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) 15°C-25°C: BUH only, no heat pump operation = during commissioning



ED(L/H)Q-BB

- > **Single and three phase heating only monobloc**
- > Energy efficient **heating only** system based on air to water heat pump technology
- > Low energy bills and low CO₂ emissions
- > Eco-label certified
- > H₂O piping between outdoor unit and indoor heat emitters
- > Inverter controlled scroll compressor
- > Built-in electric back-up heater as additional heating during extremely cold outdoor temperature
- > Possible to combine with domestic hot water



Space heating
Optional
domestic hot
water

Heating only

Outdoor unit				EDHQ011BB6V3 EDLQ011BB6V3	EDHQ014BB6V3 EDLQ014BB6V3	EDHQ016BB6V3 EDLQ016BB6V3	EDHQ011BB6W1 EDLQ011BB6W1	EDHQ014BB6W1 EDLQ014BB6W1	EDHQ016BB6W1 EDLQ016BB6W1	
Heating capacity	Nom.	kW		11.20 (1) / 10.87 (2)	14.00 (1) / 13.10 (2)	16.00 (1) / 15.06 (2)	11.20 (1) / 10.87 (2)	14.00 (1) / 13.10 (2)	16.00 (1) / 15.06 (2)	
Power input	Heating	Nom.	kW	2.56 (1) / 3.31 (2)	3.29 (1) / 4.01 (2)	3.88 (1) / 4.71 (2)	2.60 (1) / 3.21 (2)	3.30 (1) / 4.07 (2)	3.81 (1) / 4.66 (2)	
COP				4.38 (1) / 3.28 (2)	4.25 (1) / 3.27 (2)	4.12 (1) / 3.20 (2)	4.31 (1) / 3.38 (2)	4.24 (1) / 3.22 (2)	4.20 (1) / 3.23 (2)	
Dimensions	Unit	Height	mm	1,418						
		Width	mm	1,435						
		Depth	mm	382						
Weight	Unit	kg		180						
Hydraulic component	Back-up heater current	Type	6V3			6W1				
		Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230			3~/50/400		
Operation range	Heating	Ambient	Min.~Max.	°CWB			-15~35 (EDHQ) / -20~35 (EDLQ)			
		Water side	Min.~Max.	°C			15 (5)~55 (5)			
	Domestic hot water	Ambient	Min.~Max.	°CDB			-15~43 (EDHQ) / -20~43 (EDLQ)			
		Water side	Min.~Max.	°C			25~80			
Refrigerant	Type	R-410A								
	Charge	kg		2.95						
Sound power level	Heating	Nom.	dBA		64	65	66	64	65	66
Sound pressure level	Heating	Nom.	dBA		51 (3)		52 (3)	49 (3)	51 (3)	53 (3)
Compressor component	Main power supply	Name	V3			W1				
		Phase	1~			3N~				
		Frequency	Hz		50					
		Voltage	V		230			400		

(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) 15°C-25°C: BUH only, no heat pump operation = during commissioning

Domestic hot water tanks - Overview

Whether your customer wants domestic hot water only or the advantage of solar energy, Daikin offers you the domestic hot water tank that meets his or her requirements.



		Domestic hot water tank		
		EKHWP-B	EKHS-B	EKHWE-A
INDOOR		300-500	150-200-300	150-200-300
Wall mounted	EHBH-CB	hot water + unpressurised solar*	hot water + pressurised solar (opt.)	
	EHBX-CB			
MONOBLOC		300-500	150-200-300	150-200-300
With bottom plate heater	EDLQ-BB6V3 / EDLQ-BB6W1	hot water + unpressurised solar*	hot water + pressurised solar (opt.)	
	EBLQ-BB6V3 / EBLQ-BB6V3			
Without bottom plate heater	EDHQ-BB6V3 / EDHQ-BB6W1			
	EBHQ-BB6V3 / EBHQ-BB6W1			
	EBHQ-BBV3			

* for more details see combination table on page 52.

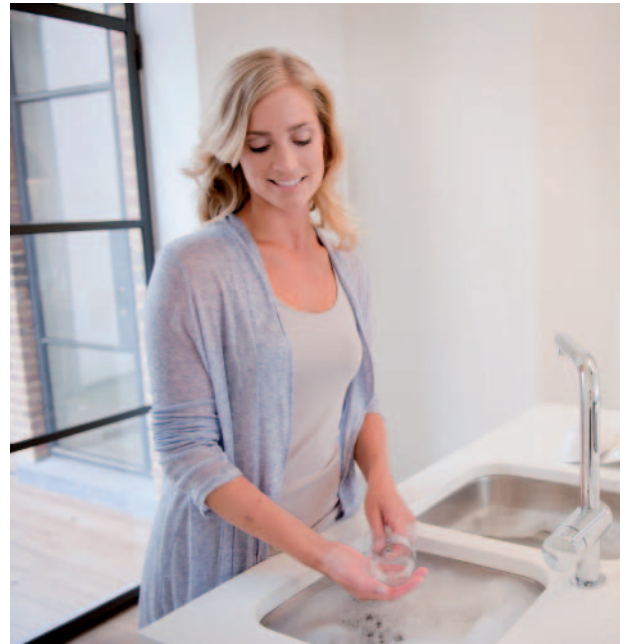


EKHWP300B



EKHWP500B

- > Tank designed for connection with thermal solar collectors
- > 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)



Domestic hot water tank				EKHWP300B	EKHWP500B
Dimensions	Unit	Height	mm	1,640	1,640
		Width	mm	595	790
		Depth	mm	615	790
Weight	Unit	Empty	kg	59	93
Tank	Water volume		l	300	500
	Maximum water temperature		°C		85
	Insulation	Heat loss	kWh/24h	1.3	1.4
Heat exchanger	Domestic hot water	Tube material		Stainless steel	
		Face area	m ²	5.8	6
		Internal coil volume	l	27.9	29
		Operating pressure	bar		6
		Average specific thermal output	W/K	2,790	2,900
	Charging	Tube material		Stainless steel	
		Face area	m ²	2.7	3.8
		Internal coil volume	l	13.2	18.5
		Operating pressure	bar		3
		Average specific thermal output	W/K	1,300	1,800
	Auxiliary solar heating	Tube material		Stainless steel	
		Face area	m ²	-	0.5
Internal coil volume		l	-	2.3	
Operating pressure		bar		3	
Average specific thermal output		W/K	-	280	

EKHWS-B

Domestic hot water tank



EKHWS-B

- > Stainless steel domestic hot water tank
- > Available in 150,200 and 300 liters



SOURCE TO WATER
HEAT PUMPS

Domestic hot water tank				EKHWS150B3V3	EKHWS200B3V3	EKHWS300B3V3	EKHWS200B3Z2	EKHWS300B3Z2
Casing	Colour	Neutral white						
	Material	Epoxy-coated mild steel						
Dimensions	Unit	Width	mm	580				
		Depth	mm	580				
	Empty	kg		37	45	59	45	59
Weight	Unit	kg		37	45	59	45	59
	Water volume	l		150	200	300	200	300
	Material	Stainless steel (DIN 1.4521)						
Tank	Maximum water temperature	°C		85				
	Insulation	Heat loss	kWh/24h	1.55	1.77	2.19	1.77	2.19
	Quantity	1						
Heat exchanger	Tube material	Duplex steel LDX 2101						
	Capacity	3						
Booster heater	Capacity	3						
Power supply	Phase/Frequency/Voltage	Hz/V		1~/50/230			2~/50/400	

EKHWE-A

Domestic hot water tank



EKHWE200A

- > Enameled domestic hot water tank
- > Available in 150,200 and 300 liters



Domestic hot water tank				EKHWE150A3V3	EKHWE200A3V3	EKHWE300A3V3	EKHWE200A3Z2	EKHWE300A3Z2
Casing	Colour	RAL9010						
	Material	Epoxy coated steel						
Dimensions	Unit	Diameter	mm	545				
	Empty	kg		80	104	140	104	140
Weight	Unit	kg		80	104	140	104	140
	Water volume	l		150	200	300	200	300
	Maximum water temperature	°C		75				
Tank	Insulation	Heat loss	kWh/24h	1.7	1.9	2.5	1.9	2.5
	Capacity	3.0						
Booster heater	Capacity	3.0						
Power supply	Phase/Frequency/Voltage	Hz/V		1~/50/230			2~/50/400	

- › Save energy and reduce CO₂ 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



EKSRPS3

Indoor unit				EKSRPS3	
Mounting		On side of tank			
Dimensions	Unit	HeightxWidthxDepth	mm	815x230x142	
Thermal performance	Zero loss collector efficiency η_0	%	-		
Control	Type	Digital temperature difference controller with plain text display			
	Power consumption	W	2		
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	Voltage	V	230		



EKSOLHW

- › Transfers solar heat to the domestic hot water tank
- › Save energy and reduce CO₂ emissions with a solar system for domestic hot water production



Solar kit				EKSOLHW	
Dimensions	Unit	HeightxWidthxDepth	mm	770x305x270	
Weight	Unit	kg	8		
Operation range	Ambient temperature	Min.~Max.	°C	1~35	
Sound pressure level	Nom.	dB(A)	27		
Thermal performance	Zero loss collector efficiency η_0	%	-		
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240		
Power supply intake				Indoor unit	

- › Save energy and reduce CO₂ emissions with a solar system for domestic hot water production
- › Wired remote control for pump station EKSRDS1A, connectable to pressurised solar system
- › Pump station and control provide the transfer of solar heat to the domestic hot water tank

Indoor unit				EKSR3PA	
Mounting		On wall			
Dimensions	Unit	HeightxWidthxDepth	mm	332x230x145	
Thermal performance	Zero loss collector efficiency η_0	%	-		
Control	Type	Digital temperature difference controller with plain text display			
	Power consumption	W	2		
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	Voltage	V	230		



EKSH-P



EKSV-P

- › Solar collectors can produce up to 70% of the energy needed for hot water production - a major cost saving
- › 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



Solar collector				EKSH26P	EKSV21P	EKSV26P
Dimensions	Unit	HeightxWidthxDepth	mm	1,300x2,000x85	2,000x1,006x85	2,000x1,300x85
Weight	Unit		kg	42	35	42
Volume			l	2.1	1.3	1.7
Surface	Outer		m ²	2.6	2.01	2.6
	Aperture		m ²	2.350	1.79	2.35
	Absorber		m ²	2.360	1.8	2.36
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	200		
Thermal performance	Zero loss collector efficiency η_0		%	-		



- > Easy and convenient regulation of the indoor temperature, resulting in ideal comfort and energy efficiency
- > Heating and cooling mode, with possibility to disable cooling mode if not required
- > Comfort function mode activates the programmed temperature levels intended for a home occupied during the day; default setpoints are 21°C in heating mode and 24°C in cooling mode and can be changed by the user
- > Reduced function mode activates the programmed temperature levels for periods when the house is unoccupied or at night; default setpoints are 17°C in heating, 28°C in cooling mode and can be changed by the user
- > Scheduled function mode: uses a timer to schedule heating and cooling setpoints throughout the day; up to 12 setpoints can be programmed per day; the selected setpoints will be automatically activated at the scheduled time
- > Holiday function mode: intended for setting reduced and fuel-efficient setpoints when the house is unoccupied for long periods. The default setpoints are 14°C for heating and 30°C for cooling.
- > Off function: switches the system off; however, the integrated frost protection remains activated (set by default at 4°C).
- > Setpoint limitation sets the upper and lower setpoint limits within which the user can programme the desired comfort levels and can only be modified by the installer
- > Number of setpoint changes: 12/day
- > Key lock function: possible to lock the keys of the room thermostat



Wireless / Wired room thermostat				EKRTR1	EKRTWA
Dimensions	Unit	HeightxWidthxDepth	mm	-	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	-



FWXV-A



ARC452A15

- > Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- > Energy efficient heating and cooling system based on air source heat pump technology
- > Optimum energy efficiency when connected to a Daikin Altherma low temperature system
- > The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 19dB(A). In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.
- > Reduced running costs
- > Its low height enables the unit to fit perfectly beneath a window
- > Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis
- > Indoor unit silent operation: "silent" button on the remote control lowers the operation sound of the indoor unit by 3dBA
- > Can be installed against a wall or recessed
- > Powerful mode can be selected for rapid cooling; after the powerful mode is turned off, the unit returns to the preset mode.
- > Titanium apatite photocatalytic air purification filter removes airborne microscopic particles, powerfully decomposes odours and helps to prevent the propagation of bacteria, viruses, microbes to ensure a steady supply of clean air



Heating & Cooling

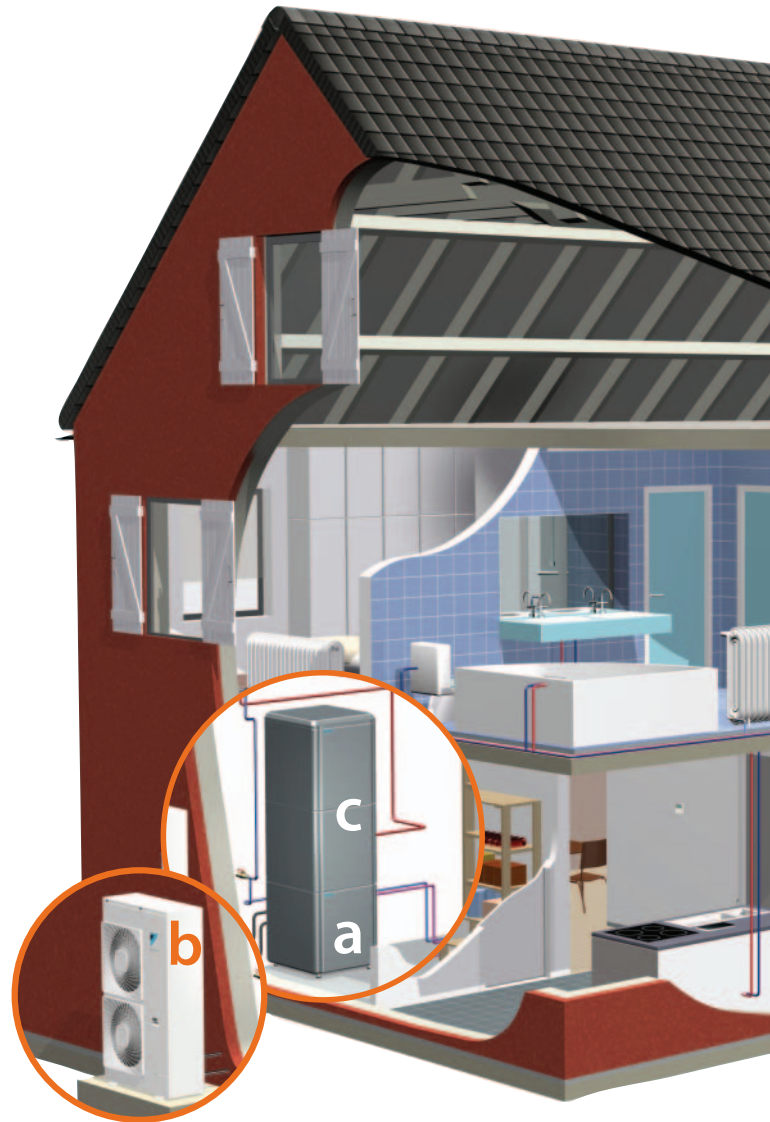
Indoor unit				FWXV15A	FWXV20A
Heating capacity	Total capacity	Nom.	kW	1.5	2.0
			Btu/h	5,100	6,800
Cooling capacity	Total capacity	Nom.	kW	1.2	1.7
	Sensible capacity	Nom.	kW	0.98	1.4
Power input	Heating	Nom.	kW	0.013	0.015
	Cooling	Nom.	kW	0.013	0.015
Dimensions	Unit	HeightxWidthxDepth	mm	600x700x210	
Weight	Unit		kg	15	
Piping connections	Drain/OD/Inlet/Outlet		mm/inch	18/G 1/2/G 1/2	
Sound pressure level	Heating	Nom.	dBA	19	29
	Cooling	Nom.	dBA	19	29
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220	

Daikin Altherma high temperature split

Heating & domestic hot water

for renovations

The Daikin Altherma high temperature system offers heating and domestic hot water for your home. Replacing a traditional boiler, it connects to the existing piping allowing you to keep your current hydraulic connections and emitters. The Daikin Altherma high temperature system is therefore the ideal solution for renovations. The split system consists of an outdoor unit and an indoor unit and can be completed with a solar connection



Accessories
for high temperature
applications

Easy control

With Daikin Altherma's user interface, the ideal temperature can be easily, quickly and conveniently regulated. It allows for more precise measurement and can regulate your comfort even more optimally and energy efficiently.



- ✓ Low running costs and optimum comfort at even the coldest outdoor temperatures, thanks to the unique cascade compressor approach
- ✓ No need to change your existing radiators and piping as water temperatures can be increased up to 80°C for heating and domestic hot water use
- ✓ Only limited installation space needed as the indoor unit and domestic hot water tank can be stacked on each other

a - Indoor unit

b - Outdoor unit

c - Domestic hot water tank

Heat emitters

The Daikin Atherma high temperature system is designed to work only with high-temperature radiators, which come in various sizes and formats to suit the interior design as well as the heating requirement. Our radiators can be individually controlled or they can be regulated by the central heating control programme.

Solar connection

The Daikin Atherma high temperature heating system can optionally use solar energy for hot water production.

If the solar energy is not required immediately, the purpose-built hot water tank (EKHWP) can store large quantities of heated water for up to a day for later use as domestic hot water or for heating.

EKHBRD-ACV1/Y1 ER(R/S)Q-AV1/Y1

Daikin Altherma high temperature split



EKHBRD-ACV1/Y1



ER(R/S)Q-AV1/Y1

- › Easy replacement of existing boiler, without changing heating pipes
- › Low energy bills and low CO₂ emissions
- › Energy efficient heating only system based on air to water heat pump technology
- › Combinable with high temperature radiators
- › High temperature application: up to 80°C without electric heater
- › Floor standing indoor unit up to 16kW
- › Inverter controlled scroll compressor
- › Outdoor unit extracts heat from the outdoor air, even at -20°C

Heating only

Indoor unit				EKHBRD011ACV1	EKHBRD014ACV1	EKHBRD016ACV1	EKHBRD011ACV1	EKHBRD014ACV1	EKHBRD016ACV1	EKHBRD011ACV1	EKHBRD014ACV1	EKHBRD016ACV1	EKHBRD011ACV1	EKHBRD014ACV1	EKHBRD016ACV1
Casing	Colour			Metallic grey											
	Material			Precoated sheet metal											
Dimensions	Unit	HeightxWidthxDepth	mm	705x600x695											
Weight	Unit			144.25						147.25					
Operation range	Heating	Ambient	Min.~Max.	-20~20						-20~20					
		Water side	Min.~Max.	25~80						25~80					
	Domestic hot water	Ambient	Min.~Max.	-20~35						-20~35					
		Water side	Min.~Max.	25~80						25~80					
Refrigerant	Type			R-134a											
	Charge			3.2											
Sound pressure level	Nom.			43 / 46	45 / 46	46 / 46	43 / 46	45 / 46	46 / 46	43 / 46	45 / 46	46 / 46	43 / 46	45 / 46	46 / 46
	Night quiet mode Level 1			40	43	45	40	43	45	40	43	45	40	43	45
Power supply	Name			V1						Y1					
	Phase			1~						3~					
	Frequency			50						50					
	Voltage			220-240						380-415					
Current	Recommended fuses			25						16					

Outdoor unit				ERSQ011AV1	ERSQ014AV1	ERSQ016AV1	ERRQ011AV1	ERRQ014AV1	ERRQ016AV1	ERSQ011AY1	ERSQ014AY1	ERSQ016AY1	ERRQ011AY1	ERRQ014AY1	ERRQ016AY1
Heating capacity	Nom.			11 / 11 / 11	14 / 14 / 14	16 / 16 / 16	11 / 11	14 / 14	16 / 16	11 / 11 / 11	14 / 14 / 14	16 / 16 / 16	11 / 11	14 / 14	16 / 16
Power input	Heating	Nom.		3.57 / 4.40 / 2.61	4.66 / 5.65 / 3.55	5.57 / 6.65 / 4.31	3.57 / 4.40	4.66 / 5.65	5.57 / 6.65	3.57 / 4.40 / 2.61	4.66 / 5.65 / 3.55	5.57 / 6.65 / 4.31	3.57 / 4.40	4.66 / 5.65	5.57 / 6.65
COP				3.08 / 2.50 / 4.22	3.00 / 2.48 / 3.94	2.88 / 2.41 / 3.72	3.08 / 2.50	3.00 / 2.48	2.88 / 2.41	3.08 / 2.50 / 4.22	3.00 / 2.48 / 3.94	2.88 / 2.41 / 3.72	3.08 / 2.50	3.00 / 2.48	2.88 / 2.41
Dimensions	Unit	HeightxWidthxDepth	mm	1,345x900x320											
Weight	Unit			120											
Operation range	Heating	Min.~Max.		-20~20											
	Domestic hot water	Min.~Max.		-20~35											
Refrigerant	Type			R-410A											
	Charge			4.5											
Sound power level	Heating	Nom.		68	69	71	68	69	71	68	69	71	68	69	71
Sound pressure level	Heating	Nom.		52	53	55	52	53	55	52	53	55	52	53	55
Power supply	Name/Phase/Frequency/Voltage			V1/1~/50/220-440						V1/1~/50/220-240					
Current	Recommended fuses			25						16					



Heating only

Indoor unit				EKHBRD011ACV1	EKHBRD014ACV1	EKHBRD016ACV1	EKHBRD011ACY1	EKHBRD014ACY1	EKHBRD016ACY1
Casing	Colour	Metallic grey							
	Material	Precoated sheet metal							
Dimensions	Unit	HeightxWidthxDepth	mm	705x600x695					
Weight	Unit			144.25			147.25		
Operation range	Heating	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
	Domestic hot water	Ambient	Min.~Max.	°CDB					
		Water side	Min.~Max.	°C					
Refrigerant	Type	R-134a							
	Charge			kg					
Sound pressure level	Nom.			43 (1) / 46 (2)	45 (1) / 46 (2)	46 (1) / 46 (2)	43 (1) / 46 (2)	45 (1) / 46 (2)	46 (1) / 46 (2)
	Night quiet mode	Level 1			40 (1)	43 (1)	45 (1)	40 (1)	43 (1)
Power supply	Name	V1							
	Phase	1~							
	Frequency			Hz					
	Voltage			220-240			380-415		
Current	Recommended fuses				25			16	

(1) Sound levels are measured at: EW 55°C; LW 65°C; Dt 10°C; ambient conditions 7°CDB/6°CWB (2) Sound levels are measured at: EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7°CDB/6°CWB

Outdoor unit				EMRQ8A	EMRQ10A	EMRQ12A	EMRQ14A	EMRQ16A	
Heating capacity	Nom.			22.4	28	33.6	39.2	44.8	
Cooling capacity	Nom.			20	25	30	35	40	
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x1,300x765					
Weight	Unit			331			339		
Operation range	Heating	Min.~Max.		°CWB					
	Domestic hot water	Ambient	Min.~Max.	°CDB					
	Cooling	Min.~Max.		°CDB					
Refrigerant	Type	R-410A							
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.		78	80		83	84	
Sound pressure level	Heating	Nom.		58	60		62	63	
Power supply	Phase/Voltage		V	3~/380-415					

EKHTS-AC

Domestic hot water tank



- › Stainless steel domestic hot water tank
- › 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
- › Available in 200 and 260 liters
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › At necessary intervals, the indoor unit can heat up the water to 60°C to prevent the risk of bacteria growth
- › Efficient temperature heat-up: from 10°C to 50°C in only 60 minutes

Domestic hot water tank				EKHTS200AC		EKHTS260AC	
Casing	Colour	Metallic grey					
	Material	Galvanised steel (precoated sheet metal)					
Dimensions	Unit	Height (integrated on indoor unit)	Width	Depth	mm		
					2,010x600x695		2,285x600x695
Weight	Unit	Empty	kg		70		78
	Tank	Water volume	l		200		260
Heat exchanger	Material	Stainless steel (EN 1.4521)					
	Maximum water temperature	°C					
	Insulation	Heat loss	kWh/24h		1.2		1.5
	Quantity	1					
Heat exchanger	Tube material	Duplex steel (EN 1.4162)					
	Face area	m ²		1.56			
	Internal coil volume	l		7.5			

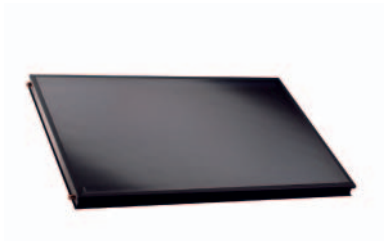
EKHWP-B

Domestic hot water tank



- › Tank designed for connection with thermal solar collectors
- › 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)

Domestic hot water tank				EKHWP300B		EKHWP500B		
Dimensions	Unit	Height	mm	1.640		1.640		
		Width	mm	595		790		
		Depth	mm	615		790		
	Weight	Unit	Empty	kg		93		
Tank	Water volume	l		300		500		
	Maximum water temperature	°C						
	Insulation	Heat loss	kWh/24h		1,3		1,4	
Heat exchanger	Domestic hot water	Tube material	Stainless steel					
		Face area	m ²	5,8		6		
		Internal coil volume	l	27,9		29		
		Operating pressure	bar	6				
		Average specific thermal output	W/K	2.790		2.900		
	Charging	Tube material	Stainless steel					
		Face area	m ²	2,7		3,8		
		Internal coil volume	l	13,2		18,5		
		Operating pressure	bar	3				
		Average specific thermal output	W/K	1.300		1.800		
Auxiliary solar heating	Tube material	Stainless steel						
	Face area	m ²	-		0,5			
	Internal coil volume	l	-		2,3			
	Operating pressure	bar	3					
	Average specific thermal output	W/K	-		280			



EKSH-P



EKSV-P

- › Solar collectors can produce up to 70% of the energy needed for hot water production - a major cost saving
- › 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

Solar collector				EKSH26P	EKSV21P	EKSV26P
Dimensions	Unit	HeightxWidthxDepth	mm	1,300x2,000x85	2,000x1,006x85	2,000x1,300x85
Weight	Unit		kg	42	35	42
Volume			l	2.1	1.3	1.7
Surface	Outer		m ²	2.6	2.01	2.6
	Aperture		m ²	2.350	1.79	2.35
	Absorber		m ²	2.360	1.8	2.36
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	200		
Thermal performance	Zero loss collector efficiency η_0		%	-		

EKSRPS

Unpressurised Solar connection

- › Save energy and reduce CO₂ 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



EKSRPS3

Indoor unit				EKSRPS3
Mounting	On side of tank			
Dimensions	Unit	HeightxWidthxDepth	mm	815x230x142
Thermal performance	Zero loss collector efficiency η_0		%	-
Control	Type	Digital temperature difference controller with plain text display		
	Power consumption		W	2
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	Voltage		V	230

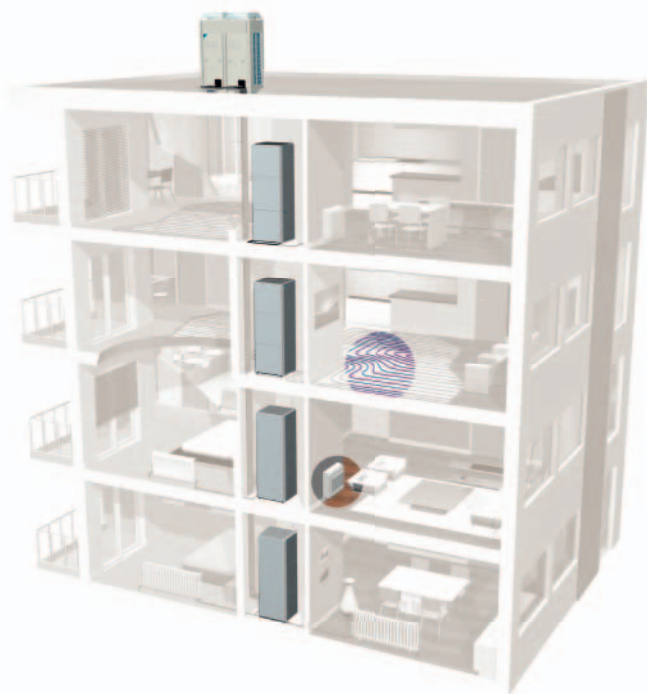
Daikin Altherma Flex Type

The Daikin Altherma range is a mix of intelligent solutions and advanced control technologies that provide the ultimate in controllable comfort for **residential** or **commercial** buildings while respecting the environment through reduced energy consumption.



Concept description

One or more indoor and outdoor units



3-in-1 system

Daikin Altherma Flex Type heats, cools, and produces domestic hot water:

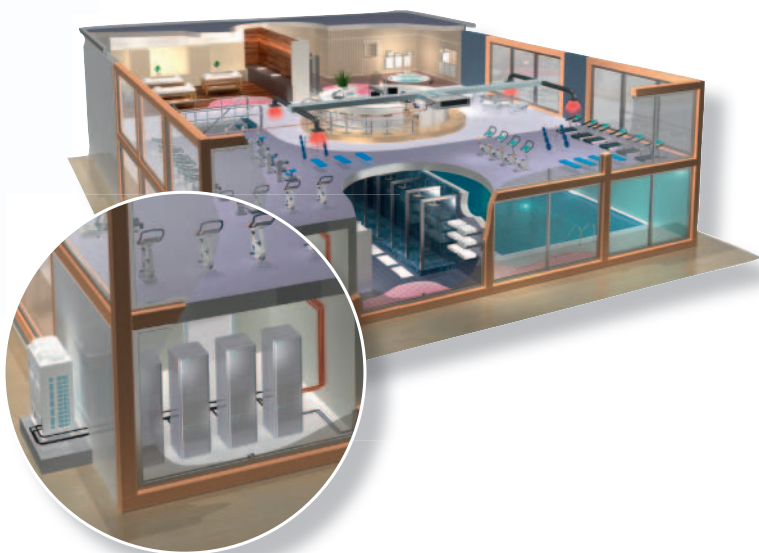
- › Heating: leaving water temperatures up to 80° C
- › Cooling: leaving water temperatures down to 5° C
- › Hot water: tank temperatures up to 75° C

Thanks to its heat recovery function, the system can heat up the hot water tank up to 60°C with rejected heat from cooling operation.

1 Heating

2 Cooling

3 Hot water

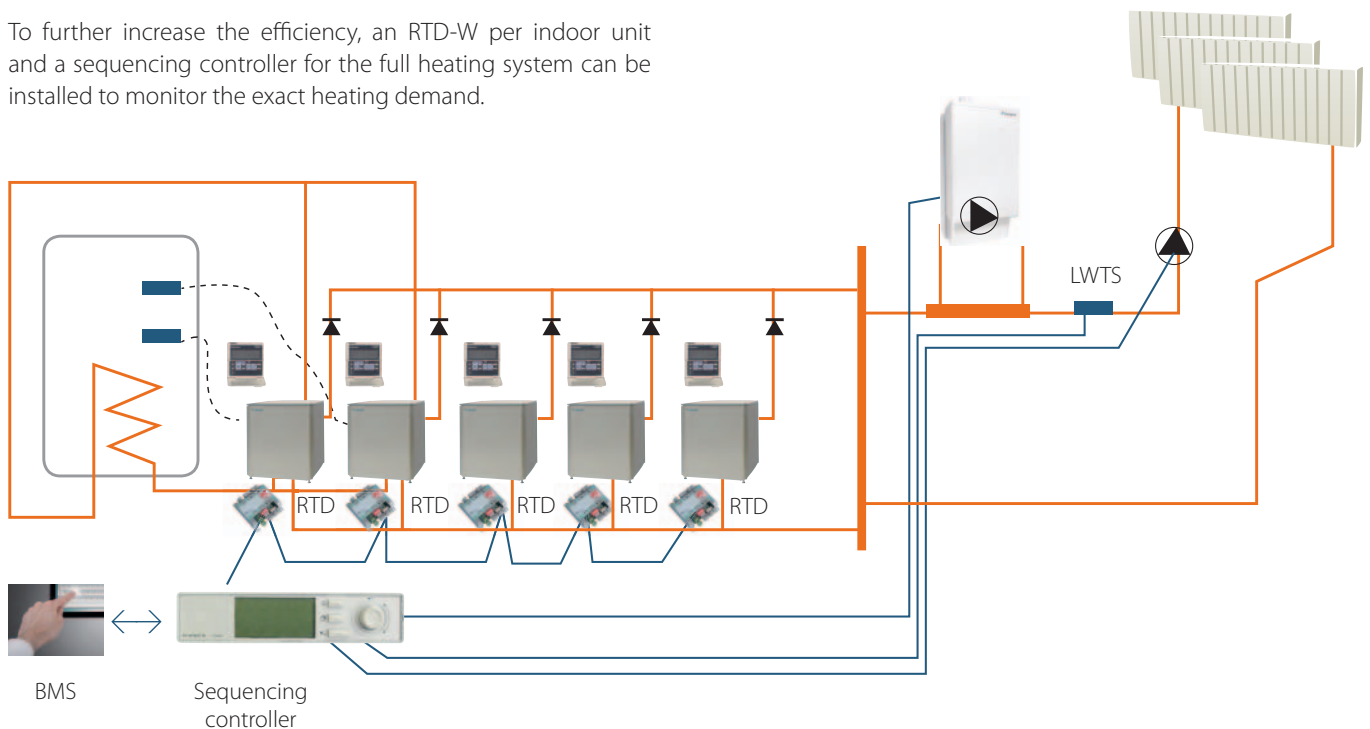




- ✓ Top Comfort
- ✓ Heating, hot water and cooling
- ✓ Low CO₂ emissions
- ✓ Modular system

Advanced control and monitoring for high efficiency and ease of operation

To further increase the efficiency, an RTD-W per indoor unit and a sequencing controller for the full heating system can be installed to monitor the exact heating demand.



RTD-W interface

Daikin's RTD control systems allow the company's entire product portfolio to be integrated fully with other building systems to reduce energy consumption (and bills), as well as lowering carbon emissions.

Sequencing controller

Thanks to the Modbus interface of the RTD-W, the sequencing controller (EKCC7-W) can centrally monitor the whole heating system, ensuring a low energy bill and a clear view on the

operation of the system. A main energy reducing function is the cascade operation of units. The number of operating indoor units is defined based on the difference between measured common leaving water temperature and the set point. The order of start-up of the units is determined by running hours, domestic hot water operation and grouped per outdoor unit.

EKHVM(R/Y)D-A EKHBRD-ACV1/Y1

Daikin Altherma Flex Type - indoor unit



EKHVM(R/Y)D-A / EKHBRD-AC

- > Energy efficient heating only system based on air to water heat pump technology
- > Low energy bills and low CO₂ emissions
- > Inverter controlled scroll compressor
- > High temperature application: up to 80°C without electric heater
- > Combinable with high temperature radiators
- > Easy replacement of existing boiler, without changing heating pipes
- > Three phase floor standing indoor unit up to 16kW



Heating only

Indoor unit				EKHVMRD50A	EKHVMRD80A	EKHVMYD50A	EKHVMYD80A	EKHBRD011ACV1	EKHBRD014ACV1	EKHBRD016ACV1	EKHBRD011ACY1	EKHBRD014ACY1	EKHBRD016ACY1		
Casing	Colour	Metallic grey													
	Material	Precoated sheet metal													
Dimensions	Unit	HeightxWidthxDepth	mm	705x600x695											
Weight	Unit			kg	92	120	144.25				147.25				
Operation range	Heating	Ambient	Min.~Max.	°C	-15~20			-20~20							
		Water side	Min.~Max.	°C				25~80							
	Cooling	Ambient	Min.~Max.	°CDB	---	10~43			---						
		Water side	Min.~Max.	°C	---	5~20			---						
	Domestic hot water	Ambient	Min.~Max.	°CDB	-15~35			-20~35							
		Water side	Min.~Max.	°C	45~75			25~80							
Refrigerant	Type	R-134a													
	Charge			kg	2				3.2						
Sound pressure level	Nom.			dBA	40 (1) / 43 (2)	42 (1) / 43 (2)	40 (1) / 43 (2)	42 (1) / 43 (2)	43 (1) / 46 (2)	45 (1) / 46 (2)	46 (1) / 46 (2)	43 (1) / 46 (2)	45 (1) / 46 (2)	46 (1) / 46 (2)	
	Night quiet mode	Level 1		dBA	38 (1)			40 (1)	43 (1)	45 (1)	40 (1)	43 (1)	45 (1)		
Power supply	Name			V1								Y1			
	Phase			1~								3~			
	Frequency			Hz	50										
	Voltage			V	220-240						380-415				
Current	Recommended fuses		A	20				25				16			

(1) Sound levels are measured at: EW 55°C; LW 65°C. (2) Sound levels are measured at: EW 70°C; LW 80°C.



EMRQ8-16A

- > Low energy bills and low CO₂ emissions
- > Easy installation and maintenance
- > Integrated heat recovery system
- > The ultimate heating solution for residential and commercial applications based on air to water heat pump technology
- > Customised to meet your building's needs: up to 10 indoor units can be connected to 1 outdoor unit



Heat recovery

Outdoor unit				EMRQ8A	EMRQ10A	EMRQ12A	EMRQ14A	EMRQ16A	
Heating capacity	Nom.		kW	22.4	28	33.6	39.2	44.8	
Cooling capacity	Nom.		kW	20	25	30	35	40	
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x1,300x765					
Weight	Unit		kg	331		339			
Operation range	Heating	Min.~Max.	°CWB	-15~-20					
	Domestic hot water	Ambient	Min.~Max. °CDB	-15~-35					
	Cooling	Min.~Max.	°CDB	10~43					
Refrigerant	Type		R-410A						
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					



- > Stainless steel domestic hot water tank
- > 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
- > Available in 200 and 260 liters
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- > At necessary intervals, the indoor unit can heat up the water to 60°C to prevent the risk of bacteria growth
- > Efficient temperature heat-up: from 10°C to 50°C in only 60 minutes

Domestic hot water tank				EKHTS200AC		EKHTS260AC	
Casing	Colour	Metallic grey					
	Material	Galvanised steel (precoated sheet metal)					
Dimensions	Unit	Height (integrated on indoor unit)	Width	Depth	mm		
					2,010x600x695		2,285x600x695
Weight	Unit	Empty	kg		70		78
	Tank	Water volume	l		200		260
Heat exchanger	Material	Stainless steel (EN 1.4521)					
	Maximum water temperature	°C					
	Insulation	Heat loss	kWh/24h		1.2		1.5
Heat exchanger	Quantity	1					
	Tube material	Duplex steel (EN 1.4162)					
	Face area	m ²		1.56			
	Internal coil volume	l		7.5			



- > Tank designed for connection with thermal solar collectors
- > 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)

Domestic hot water tank				EKHWP300B		EKHWP500B	
Dimensions	Unit	Height	mm	1,640		1,640	
		Width	mm	595		790	
		Depth	mm	615		790	
Weight	Unit	Empty	kg		59		93
	Tank	Water volume	l		300		500
Heat exchanger	Maximum water temperature	°C					
	Insulation	Heat loss	kWh/24h		1.3		1.4
	Domestic hot water	Tube material	Stainless steel				
Face area		m ²		5.8		6	
Internal coil volume		l		27.9		29	
Operating pressure		bar		6			
Average specific thermal output		W/K		2,790		2,900	
Charging	Tube material	Stainless steel					
	Face area	m ²		2.7		3.8	
	Internal coil volume	l		13.2		18.5	
	Operating pressure	bar		3			
	Average specific thermal output	W/K		1,300		1,800	
Auxiliary solar heating	Tube material	Stainless steel					
	Face area	m ²		-		0.5	
	Internal coil volume	l		-		2.3	
	Operating pressure	bar		3			
	Average specific thermal output	W/K		-		280	



FWXV-A



ARC452A15

- > Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- > Energy efficient heating and cooling system based on air source heat pump technology
- > Optimum energy efficiency when connected to a Daikin Altherma low temperature system
- > The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 19dB(A). In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.
- > Reduced running costs
- > Its low height enables the unit to fit perfectly beneath a window
- > Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis
- > Indoor unit silent operation: "silent" button on the remote control lowers the operation sound of the indoor unit by 3dBA
- > Can be installed against a wall or recessed
- > Powerful mode can be selected for rapid cooling; after the powerful mode is turned off, the unit returns to the preset mode.
- > Titanium apatite photocatalytic air purification filter removes airborne microscopic particles, powerfully decomposes odours and helps to prevent the propagation of bacteria, viruses, microbes to ensure a steady supply of clean air



Heating & Cooling

Indoor unit				FWXV15A	FWXV20A
Heating capacity	Total capacity	Nom.	kW	1.5	2.0
			Btu/h	5,100	6,800
Cooling capacity	Total capacity	Nom.	kW	1.2	1.7
	Sensible capacity	Nom.	kW	0.98	1.4
Power input	Heating	Nom.	kW	0.013	0.015
	Cooling	Nom.	kW	0.013	0.015
Dimensions	Unit	HeightxWidthxDepth	mm	600x700x210	
Weight	Unit		kg	15	
Piping connections	Drain/OD/Inlet/Outlet		mm/inch	18/G 1/2/G 1/2	
Sound pressure level	Heating	Nom.	dBA	19	29
	Cooling	Nom.	dBA	19	29
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220	

Combination tables

Daikin Altherma low temperature split

		OUTDOOR						DOMESTIC HOT WATER TANK optional				
		Down to -20°C outdoor temp. Down to -25°C outdoor temp.	ERLQ-CV3	ERLQ-CV3	ERLQ-CV3	ERHQ-BV3 ERHQ-BW1 ERLQ-CV3 ERLQ-CW1	ERHQ-BV3 ERHQ-BW1 ERLQ-CV3 ERLQ-CW1	ERHQ-BV3 ERHQ-BW1 ERLQ-CV3 ERLQ-CW1	EKHWP-B	EKHWS-B	EKHWE-A	
INDOOR		Range	004	006	008	011	014	016	300	500	150-200-300	150-200-300
Wall mounted	EHBH-CB	04	heating only						hot water + solar		hot water + pressurised solar (opt.)	
		08	heating only									
		16	heating only						hot water + unpressurised solar			
	EHBX-CB	04	heating & cooling						hot water + unpressurised solar			
		08	heating & cooling									
		16	heating & cooling						hot water + unpressurised solar			
Floor standing	EHVH-CB	04	heating only									
		08	heating only									
		16	heating & hot water									
	EHVX-CB	04	heating & cooling									
		08	heating & cooling									
		16	heating, cooling & hot water									
Floor standing integrated solar unit	EHSX-A	04	heating, cooling & hot water with unpressurised solar									
		08	heating, cooling & hot water with unpressurised solar									
		16	heating, cooling & hot water with unpressurised solar (ERLQ only)									
	EHSXB-A	04	heating, cooling & hot water with unpressurised solar									
		08	heating, cooling & hot water with unpressurised solar									
		16	heating, cooling & hot water with unpressurised solar (ERLQ only)									

Daikin Altherma low temperature monobloc

		MONOBLOC				DOMESTIC HOT WATER TANK optional					
		With bottom plate heater	Without bottom plate heater	EBLQ-BB6V3 EBLQ-BB6W1 EBHQ-BB6V3	EDLQ-BB6V3 EDLQ-BB6W1 EDHQ-BB6V3	EKHWP-B	EKHWS-B	EKHWE-A			
		006	008	011	014	016	300	500	150-200-300	150-200-300	
		Heating only (EKCBH) heating & cooling (EKCBX)						hot water + solar		hot water + pressurised solar (opt.)	
				heating & cooling		heating only		hot water + unpressurised solar			

Daikin Altherma high temperature split

		OUTDOOR							DOMESTIC HOT WATER TANK optional				
		ERRQ-A ERSQ-A	ERRQ-A ERSQ-A	ERRQ-A ERSQ-A	EMRQ-A	EMRQ-A	EMRQ-A	EMRQ-A	EMRQ-A	EKHWP-B	EKHTS-AC	EKHWP-B	
INDOOR		Range	011	014	016	8	10	12	14	16	300-500	200-260	300-500
Floor standing	EKHBRD-AC	011	heating only							hot water + unpressurised solar		hot water	hot water + solar
		014											
		016											

Daikin Altherma Flex Type

		OUTDOOR					DOMESTIC HOT WATER TANK optional				
		EMRQ-A	EMRQ-A	EMRQ-A	EMRQ-A	EMRQ-A	EKHWP-B	EKHTS-AC			
INDOOR		Range	8	10	12	14	16	300-500	200-260		
Floor standing	EKHVMRD-A	50	heating only					hot water + unpressurised solar		hot water	
		80									
	EKHVMYD-A	50	heating & cooling								
		80									
	EKHBRD-AC	011	heating only								
		014									
	016										



The best of two
worlds united

Pure comfort and
design



COMFORT IS KEY



Nexura makes your world a comfortable one. The coolness of a summer breeze or the cosiness of an extra heat source brings a feeling of well-being to your living space all year round. Its unobtrusive yet stylish design with a front panel that radiates additional heat, its low noise level and reduced air flow turn your room into a haven.



FVXG-K



ARC466A2



- > The aluminium part of the front panel of the Nexura indoor unit has the capability of warming up, just like a traditional radiator, to add even more comfort on cold days
- > Quiet and discrete, Nexura offers you the best in heating and cooling, in comfort and design
- > The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 23dB(A) in cooling and 19dB(A) in radiant heat mode. In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.
- > Comfortable vertical auto swing ensures draughtfree operation and prevents ceiling soiling
- > Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- > Can be installed against a wall or recessed



SOURCE TO AIR
HEAT PUMPS

Heating & Cooling

UNIQUE TECHNOLOGY

Indoor unit				FVXG25K	FVXG35K	FVXG50K
Cooling capacity	Min./Nom./Max.		kW	1.3/2.5/3.0	1.4/3.5/3.8	1.7/5.0/5.6
Heating capacity	Min./Nom./Max.		kW	1.3/3.4/4.5	1.4/4.5/5.0	1.7/5.8/8.1
Power input	Cooling	Nom.	kW	-		
	Heating	Nom.	kW	-		
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++		
		Pdesign	kW	2.50	3.50	5.00
		SEER		6.53	6.48	5.41
	Annual energy consumption		kWh	134	189	324
	Heating (Average climate)	Energy label		A++		
		Pdesign	kW	2.80	3.10	4.60
SCOP			4.65	4.00	4.18	
Annual energy consumption		kWh	842	1,087	1,543	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		-			
	COP		-			
Annual energy consumption		kWh	-			
Energy label		Cooling/Heating	-/-			
Casing	Colour		Fresh white (6.5Y 9.5/0.5)			
Dimensions	Unit	HeightxWidthxDepth	mm			
			600x950x215			
Weight	Unit		kg			
			22			
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m³/min	8.9/8.9/5.3/4.5	9.1/9.1/5.3/4.5	10.6/10.3/7.3/6.0
	Heating	High/Nom./Low/Silent operation	m³/min	9.9/7.8/5.7/4.7	10.2/8.0/5.8/5.0	12.2/10.0/7.8/6.8
Sound power level	Cooling	Nom.	dBA	52		
	Heating	Nom.	dBA	55	56	58
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	38/32/26/23	39/33/27/24	44/40/36/32
	Heating	High/Nom./Low/Silent operation/Radiant heat	dBA	39/32/26/22/19	40/33/27/23/19	46/40/34/30/26
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5		
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240		

Outdoor unit				*RXG25L	*RXG35L	*RXG50L
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x300		735x825x315
Weight	Unit		kg	34		48
Sound power level	Cooling	High	dBA	61	63	
Sound pressure level	Cooling	High/Low	dBA	46/43	48/44	
	Heating	High/Low	dBA	47/44	48/45	
Operation range	Cooling	Ambient	Min.~Max. °CDB	10~46		
	Heating	Ambient	Min.~Max. °CWB	-15~20		
Refrigerant	Type/GWP		R-410A/1,975			
Piping connections	Piping length	OU - IU	Max. m	20		30
	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	16		20

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FTXG-JW/A / RXLG-K

Wall mounted unit
Designed for colder climates



- › Daikin Emura's most obvious asset is its looks. The sober but stylish appearance adds an additional dimension to Daikin's well-known brand values of superior comfort and quality
- › Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white or brushed aluminium
- › Good design award: unique evaluation criterion for industrial design in Japan
- › Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- › Extended operation range down to -25°C in heating



down to
-25°C

Heating & Cooling

Indoor unit			FTXG25JW/A	FTXG35JW/A	FTXG50JW/A
Cooling capacity	Min./Nom./Max.	kW	1.3/2.5 /3.0	1.4/3.5/3.8	1.7/5.0/5.3
Heating capacity	Min./Nom./Max.	kW	1.3/3.4 /4.5	1.4/4.0/5.0	1.7/5.8/6.5
Power input	Cooling	Min./Nom./Max. kW	0.35/0.56/0.82	0.36/0.89/1.22	0.45/1.56/1.88
	Heating	Min./Nom./Max. kW	0.32/0.78/1.32	0.32/0.99/1.50	0.52/1.60/2.50
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A++		A
		Pdesign kW	2.50	3.50	5.00
		SEER	6.53	6.51	5.45
	Annual energy consumption kWh	134	188	321	
	Heating (Average climate)	Energy label	A+		A
		Pdesign kW	2.80	3.30	4.60
SCOP		4.25	4.16	3.83	
Annual energy consumption kWh	923	1,112	1,682		
Nominal efficiency (cooling at 35°/27°)	EER		4.46	3.93	3.21
	COP		4.36	4.04	3.6
nominal load, heating at 7°/20° nominal load)	Annual energy consumption kWh		280	445	780
	Energy label	Cooling/Heating	A/A		
Casing	Colour	White			
Dimensions	Unit	HeightxWidthxDepth mm	295x915x155		
Weight	Unit	kg	11		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation m ³ /min	8.8/8.8/4.7/3.8	10.1/10.1/4.6/3.9	10.3/10.3/6.7/5.7
	Heating	High/Nom./Low/Silent operation m ³ /min	9.6/7.9/6.2/5.4	10.8/8.6/6.4/5.6	11.4/9.8/8.1/7.1
Sound power level	Cooling	Nom. dBA	56	60	
	Heating	High dBA	55	58	60
Sound pressure level	Cooling	High/Nom./Low/Silent operation dBA	38/32/25/22	42/34/26/23	44/40/35/32
	Heating	High/Nom./Low/Silent operation dBA	39/34/28/25	42/36/29/26	44/40/35/32
Piping connections	Liquid	OD mm	6.35		
	Gas	OD mm	9.5		12.7
	Drain	OD mm	16 or 18		
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240		

Outdoor unit			RXLG25K	RXLG35K	RXLG50K
Dimensions	Unit	HeightxWidthxDepth mm	550x765x285		735x825x300
Weight	Unit	kg	34		48
Fan - Air flow rate	Cooling	High/Nom./Super low m ³ /min	33.5/33.5/30.1	36.0/36.0/30.1	50.9/50.9/48.9
	Heating	High/Super low m ³ /min		28.3/25.6	45.0/43.1
Sound power level	Cooling	Nom. dBA	62	64	63
Sound pressure level	Cooling	High/Silent operation dBA	46/43	48/44	
	Heating	High/Silent operation dBA	47/44	48/45	
Operation range	Cooling	Ambient Min.~Max. °CDB	-10~46		
	Heating	Ambient Min.~Max. °CWB	-25~18		
Refrigerant	Type/GWP		R-410A/1,975		
Piping connections	Piping length	OU - IU Max. m	20		
	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	16		
			20		

(1) EER/COP according to Eurovent 2012

FVXG-K / RXLG-K

Floor standing unit with radiant heat panel
Designed for colder climates



FVXG-K



RXLG-K



ARC466A2



- > The aluminium part of the front panel of the Nexura indoor unit has the capability of warming up, just like a traditional radiator, to add even more comfort on cold days
- > Quiet and discrete, Nexura offers you the best in heating and cooling, in comfort and design
- > The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 23dB(A) in cooling and 19dB(A) in radiant heat mode. In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.
- > Comfortable vertical auto swing ensures draughtfree operation and prevents ceiling soiling
- > Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- > Can be installed against a wall or recessed
- > Extended operation range down to -25°C in heating



down to
-25°C

Heating & Cooling

Indoor unit			FVXG25K	FVXG35K	FVXG50K		
Cooling capacity	Min./Nom./Max.	kW	1.3/2.5 /3.0	1.4/3.5 /3.8	1.7/5.0 /5.6		
Heating capacity	Min./Nom./Max.	kW	1.3/3.4 /4.5	1.4/4.5 /5.0	1.7/5.8 /8.1		
Power input	Cooling	Min./Nom./Max.	0.30/0.55/0.79	0.31/0.95/1.15	0.45/1.52/2.00		
	Heating	Min./Nom./Max.	0.29/0.78/1.27	0.29/1.21/1.46	0.50/1.58/2.66		
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A++				
		Pdesign	2.50	3.50	5.00		
		SEER	6.46	6.33	5.31		
	Heating (Average climate)	Annual energy consumption	kWh	135	194	330	
		Energy label	A+				
		Pdesign	2.80	3.10	4.60		
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	Annual energy consumption	SCOP	4.47	3.87	4.08		
		Annual energy consumption	kWh	877	1,122	1,577	
		EER	4.55	3.68	3.29 (1)		
Casing	Colour	COP	4.36	3.72	3.67 (1)		
		Energy label	A/A				
Dimensions	Unit	HeightxWidthxDepth	Fresh white (6.5Y 9.5/0.5)				
Weight	Unit	mm	600x950x215				
Fan - Air flow rate	Cooling	Unit	22				
		High/Nom./Low/Silent operation	m ³ /min	8.9/8.9/5.3/4.5	9.1/9.1/5.3/4.5	10.6/10.3/7.3/6.0	
Sound power level	Heating	High/Nom./Low/Silent operation	m ³ /min	9.9/7.8/5.7/4.7	10.2/8.0/5.8/5.0	12.2/10.0/7.8/6.8	
		Nom.	dBA	52			
Sound pressure level	Cooling	Nom.	dBA	58			
		High/Nom./Low/Silent operation	dBA	38/32/26/23	39/33/27/24	44/40/36/32	
Piping connections	Heating	High/Nom./Low/Silent operation/Radiant heat	dBA	39/32/26/22/19	40/33/27/23/19	46/40/34/30/26	
		Liquid	OD	mm	6.35		
Power supply	Phase / Frequency / Voltage	Gas	OD	mm	9.5		
		Drain	OD	mm	18.0		
					1~ / 50 / 220-240		

Outdoor unit			RXLG25K	RXLG35K	RXLG50K		
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285	735x825x300		
Weight	Unit	kg	34				
Fan - Air flow rate	Cooling	High/Nom./Super low	m ³ /min	33.5/33.5/30.1	36.0/36.0/30.1	50.9/50.9/48.9	
		High/Super low	m ³ /min	28.3/25.6			
Sound power level	Heating	Nom.	dBA	62	64	63	
		High/Silent operation	dBA	46/43	48/44		
Operation range	Cooling	High/Silent operation	dBA	47/44	48/45		
		Ambient	Min.~Max. °CDB	-10~46			
Refrigerant	Heating	Ambient	Min.~Max. °CWB	-25~18			
		Type/GWP	R-410A/1,975				
Piping connections	Piping length	OU - IU	Max.	m	20		
		IU - OU	Max.	m	15		
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240				
Current - 50Hz	Maximum fuse amps (MFA)	A	16				
					20		

(1) EER/COP according to Eurovent 2012



FTXS20-25K



RXL20-25K



ARC466A6



- Discreet, modern design. Its smooth curve blends beautifully with the wall resulting in an unobtrusive presence that matches all interior décors.
- High quality matt crystal white finish
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- Ideal for installation in bedrooms (20,25 class) and larger or irregular shaped living areas (35,42,50 class)
- 2 area intelligent eye: 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.
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen (35,42,50 class)
- Extended operation range down to -25°C in heating



**down to
-25°C**

Heating & Cooling

Indoor unit			FTXS20K	FTXS25K	FTXS35K	FTXS42K	FTXS50K	
Cooling capacity	Min./Nom./Max.	kW	1.3/2.0 (2)/2.8	1.3/2.5 (2)/3.2	1.4/3.5 (2)/4.0	1.7/4.2 (2)/5.0	1.7/5.0 (2)/5.3	
Heating capacity	Min./Nom./Max.	kW	1.3/2.5 (3)/4.3	1.3/2.8 (3)/4.7	1.4/4.0 (3)/5.2	1.7/5.4 (3)/6.0	1.7/5.8 (3)/6.5	
Power input	Cooling	Min./Nom./Max. kW	0.320/0.430/0.760	0.320/0.570/1.000	0.350/0.840/1.190	0.320/1.180/2.330	350.000/1.410/1.810	
	Heating	Min./Nom./Max. kW	0.310/0.550/1.120	0.310/0.620/1.410	0.340/0.840/1.460	0.400/1.310/1.980	0.300/1.450/2.000	
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A+		A++			
		Pdesign	2.00	2.50	3.50	4.20	5.00	
		SEER	5.70	6.37	7.08	6.67	6.72	
		Annual energy consumption	kWh	123	137	173	220	261
	Heating (Average climate)	Energy label	A++		A+		A+	
		Pdesign	2.30	2.50	3.60	4.00	4.60	
		SCOP	4.62	4.51	4.63	4.03	4.06	
		Annual energy consumption	kWh	698	775	1,087	1,389	1,586
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		4.65 (1)	4.39 (1)	4.07 (1)	3.56 (1)	3.55 (1)	
	COP		4.55 (1)	4.52 (1)	4.76 (1)	4.12 (1)	4.00 (1)	
Annual energy consumption	Annual energy consumption	kWh	215	285	420	590	750	
	Energy label	Cooling/Heating	A/A					
Casing	Colour		White					
Dimensions	Unit	HeightxWidthxDensity	289x780x215			298x900x215		
	Unit	kg	8			11		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m³/min	8.8/8.8/4.7/3.9	9.1/9.1/5.0/3.9	11.2/11.2/5.8/4.1	11.2/11.2/7.0/4.1	11.9/11.9/7.4/4.5
	Heating	High/Nom./Low/Silent operation	m³/min	9.5/7.8/6.0/4.3	10.0/8.0/6.0/4.3	12.1/9.3/6.5/4.2	12.4/10.0/7.8/5.2	13.3/10.8/8.4/5.5
Sound power level	Cooling	Nom.	dBA	58		59		60
	Heating	Nom.	dBA	58		59		60
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	40/32/24/19	41/33/25/19	45/37/29/19	45/39/33/21	46/40/34/23
	Heating	High/Nom./Low/Silent operation	dBA	40/34/27/19	41/34/27/19	45/39/29/19	45/39/33/22	47/40/34/24
Piping connections	Liquid	OD	mm					6.35
	Gas	OD	mm					9.5
	Drain	OD	mm					18.0
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240					

Outdoor unit			RXL20K	RXL25K	RXL35K	RXL42K	RXL50K	
Dimensions	Unit	HeightxWidthxDensity	mm			735x825x300		
Weight	Unit	kg	34			39		
Fan - Air flow rate	Cooling	High/Nom./Low/Super low	m³/min		33.5/33.5/30.1/-	36.0/36.0/-/30.1	37.3/37.3/-/30.6	50.9/50.9/-/48.9
	Heating	High/Nom./Low/Super low	m³/min		28.3/-/25.6/-	28.3/28.3/-/25.6	31.3/31.3/-/27.2	45.0/45.0/-/43.1
Sound power level	Cooling	Nom.	dBA	61	62	61		63
Sound pressure level	Cooling	High/Silent operation	dBA	46/43		48/44		
	Heating	High/Silent operation	dBA	47/44		48/45		
Operation range	Cooling	Ambient Min.~Max.	°CDB		-10~46			
	Heating	Ambient Min.~Max.	°CWB		-25~18			
Refrigerant	Type/GWP		R-410A/1,975					
Piping connections	Piping length	OU - IU	Max.		m			30
	Level difference	IU - OU	Max.		m			20
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240			1~ / 50 / 220-230-240		
Current - 50Hz	Maximum fuse amps (MFA)	A	10			20		

(1) EER/COP according to Eurovent 2012



FVXS-F



RXL25K



ARC452A1



- › Its low height enables the unit to fit perfectly beneath a window
- › Can be installed against a wall or recessed
- › Whisper quiet operation: down to 23dBA sound pressure level
- › Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- › Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- › Extended operation range down to -25°C in heating



**down to
-25°C**

Heating & Cooling

Indoor unit			FVXS25F	FVXS35F	FVXS50F	
Cooling capacity	Min./Nom./Max.	kW	1.3/2.5 /3.0	1.4/3.5 /3.8	1.4/5.0 /5.6	
Heating capacity	Min./Nom./Max.	kW	1.3/3.4 /4.5	1.4/4.5 /5.0	1.4/5.8 /8.1	
Power input	Cooling	Min./Nom./Max. kW	0.30/0.57/0.92	0.30/1.02/1.25	0.50/1.55/2.00	
	Heating	Min./Nom./Max. kW	0.29/0.79/1.39	0.31/1.22/1.88	0.50/1.60/2.60	
Seasonal efficiency (according to EN14825)	Cooling	Energy label	B	A	A+	
		Pdesign	kW	2.50	3.50	5.00
		SEER		4.71	5.40	5.89
		Annual energy consumption	kWh	186	227	297
	Heating (Average climate)	Energy label	A+	A		
		Pdesign	kW	2.60	2.90	4.80
		SCOP		4.28	3.80	
		Annual energy consumption	kWh	850	1,069	1,798
Nominal efficiency (cooling at 35°/27°)	EER		4.39	3.43	3.23	
	COP		4.30	3.69	3.63	
nominal load, heating at 7°/20° nominal load)	Annual energy consumption	kWh	285	510	775	
	Energy label	Cooling/Heating		A/A		
Casing	Colour		White			
Dimensions	Unit	HeightxWidthxDepth	mm 600x700x210			
Weight	Unit		kg 14			
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m ³ /min	8.2/8.2/4.8/4.1	8.5/8.5/4.9/4.5	10.7/10.7/7.8/6.6
	Heating	High/Nom./Low/Silent operation	m ³ /min	8.8/6.9/5.0/4.4	9.4/7.3/5.2/4.7	11.8/10.1/8.5/7.1
Sound power level	Cooling	High/Nom.	dBA	-/52	55/52	-/60
	Heating	High	dBA	-	55	57
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	38/32/26/23	39/33/27/24	44/40/36/32
	Heating	High/Nom./Low/Silent operation	dBA	38/32/26/23	39/33/27/24	45/40/36/32
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5		
	Drain	OD	mm	20.0		
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240			

Outdoor unit			RXL25K	RXL35K	RXL50K	
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285	735x825x300	
Weight	Unit		kg	34	47	
Fan - Air flow rate	Cooling	High/Nom./Low/Super low	m ³ /min	33.5/33.5/30.1/-	36.0/36.0/-/30.1	50.9/50.9/-/48.9
	Heating	High/Nom./Low/Super low	m ³ /min	28.3/-/25.6/-	28.3/28.3/-/25.6	45.0/45.0/-/43.1
Sound power level	Cooling	Nom.	dBA	62	61	63
Sound pressure level	Cooling	High/Silent operation	dBA	46/43		48/44
	Heating	High/Silent operation	dBA	47/44		48/45
Operation range	Cooling	Ambient	Min.~Max. °CDB	-10~46		
	Heating	Ambient	Min.~Max. °CWB	-25~18		
Refrigerant	Type/GWP		R-410A/1,975			
Piping connections	Piping length	OU - IU	Max. m	20		
	Level difference	IU - OU	Max. m	15		
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240		1~ / 50 / 220-230-240	
Current - 50Hz	Maximum fuse amps (MFA)	A	10		20	

(1) EER/COP according to Eurovent 2012



RYYQ8-12T
RXYQ8-12T

VRV IV

- › Customize your VRV for best seasonal efficiency & comfort with the weather dependant Variable Refrigerant Temperature function
- › Up to 28% higher seasonal efficiency with Variable Refrigerant Temperature when compared to previous series
- › Best comfort, no cold draft by supply of a high outblow air temperature thanks to Variable Refrigerant Temperature and all inverter technology
- › Continuous comfort: Unique continuous heating technology makes VRV IV the best alternative to traditional heating systems
- › VRV configurator software for the fastest and most accurate commissioning, configuration and customisation
- › Accurate temperature control, fresh air provision, Biddle air curtains and hot water production, all integrated in a single system requiring only one single point of contact
- › 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
- › Fits any building as also indoor installation is possible as a result of high external static pressure of up to 78.4 Pa. Indoor installation leads to less piping length, lower installation costs, increased efficiency and better visual aesthetics
- › Simplified installation & guaranteed optimal efficiency with automatic charging & testing
- › Easy compliance with F-gas regulation thanks to automated refrigerant containment check
- › Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 1,000m
- › The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- › Spread your installation cost by phased installation
- › Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- › Keep your system in top condition via our ACNSS service: 24/7 monitoring for maximum efficiency, extended lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage
- › Available as heating only by irreversible field setting



Heating & Cooling

Outdoor unit				RYYQ8T	RYYQ10T	RYYQ12T	RYYQ14T	RYYQ16T	RYYQ18T	RYYQ20T	
Capacity range			HP	8	10	12	14	16	18	20	
Cooling capacity	Nom.		kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	
Heating capacity	Nom.		kW	25.0	31.5	37.5	45.0	50.0	56.0	63.0	
Power input - 50Hz	Cooling	Nom.	kW	5.21	7.29	8.98	11.0	13.0	14.7	18.5	
	Heating	Nom.	kW	5.5	7.38	9.10	11.2	12.8	14.4	17.0	
EER				4.30	3.84	3.73	3.64	3.46	3.40	3.03	
ESEER				6.37 (2) / 7.53 (3)	5.67 (2) / 7.20 (3)	5.50 (2) / 6.96 (3)	5.31 (2) / 6.83 (3)	5.05 (2) / 6.50 (3)	4.97 (2) / 6.38 (3)	4.42 (2) / 5.67 (3)	
COP				4.54	4.27	4.12	4.02	3.91	3.89	3.71	
Maximum number of connectable indoor units				64 (1)							
Indoor index connection	Min.			100	125	150	175	200	225	250	
	Nom.			200	250	300	350	400	450	500	
	Max.			260	325	390	455	520	585	650	
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765				1,685x1,240x765			
Weight	Unit		kg	261	268		364		398		
Fan	Air flow rate	Cooling	Nom.	m ³ /min	162	175	185	223	260	251	261
		Sound power level	Nom.	dB(A)	78	79		81	86		88
Sound pressure level	Cooling	Nom.	dB(A)		58			61	64	65	66
		Operation range	Min.~Max.	°CDB				-5~43			
Refrigerant	Heating	Min.~Max.	°CWB				-20~15.5				
		Type					R-410A				
Piping connections	Liquid	OD	mm	9.52				12.7		15.9	
	Gas	OD	mm	19.1	22.2		28.6				
	Total piping length	System	Actual	1,000							
Power supply	Phase/Frequency/Voltage			3N~/50/380-415							
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40	50	

Outdoor system				RYYQ22T	RYYQ24T	RYYQ26T	RYYQ28T	RYYQ30T	RYYQ32T	RYYQ34T	RYYQ36T
System	Outdoor unit module 1			RYMQ10T	RYMQ8T		RYMQ12T			RYMQ16T	
	Outdoor unit module 2			RYMQ12T	RYMQ16T	RYMQ14T	RYMQ16T	RYMQ18T	RYMQ16T	RYMQ18T	RYMQ20T
	Outdoor unit module 3			-							
Capacity range			HP	22	24	26	28	30	32	34	36
Cooling capacity	Nom.		kW	61.5	67.4	73.5	78.5	83.5	90.0	95.0	101.0
Heating capacity	Nom.		kW	69.0	75.0	82.5	87.5	93.5	100.0	106.0	113.0
Power input - 50Hz	Cooling	Nom.	kW	16.3	18.2	20.0	22.0	23.7	26.0	27.7	31.5
	Heating	Nom.	kW	16.5	18.3	20.3	21.9	23.5	25.6	27.2	29.8
EER				3.77	3.70	3.68	3.57	3.52	3.46	3.43	3.21
ESEER				5.58 (2) / 7.07 (3)	5.42 (2) / 6.81 (3)	5.39 (2) / 6.89 (3)	5.23 (2) / 6.69 (3)	5.17 (2) / 6.60 (3)	5.05 (2) / 6.50 (3)	5.01 (2) / 6.44 (3)	4.68 (2) / 6.02 (3)
COP				4.18	4.10	4.06	4.00	3.98	3.91	3.90	3.79
Maximum number of connectable indoor units				64 (1)							
Indoor index connection	Min.			275	300	325	350	375	400	425	450
	Nom.			550	600	650	700	750	800	850	900
	Max.			715	780	845	910	975	1,040	1,105	1,170
Piping connections	Liquid	OD	mm	15.9				19.1			
	Gas	OD	mm	28.6		34.9				41.3	
	Total piping length	System	Actual	1,000							
Current - 50Hz	Maximum fuse amps (MFA)			A	63				80		

Outdoor system				RYYQ38T	RYYQ40T	RYYQ42T	RYYQ44T	RYYQ46T	RYYQ48T	RYYQ50T	RYYQ52T	RYYQ54T	
System	Outdoor unit module 1			RYMQ8T	RYMQ10T	RYMQ10T	RYMQ12T	RYMQ14T	RYMQ16T			RYMQ18T	
	Outdoor unit module 2			RYMQ10T	RYMQ12T	RYMQ16T				RYMQ18T			
	Outdoor unit module 3			RYMQ20T	RYMQ18T	RYMQ16T					RYMQ18T		
Capacity range			HP	38	40	42	44	46	48	50	52	54	
Cooling capacity	Nom.		kW	106.0	112.0	118.0	124.0	130.0	135.0	140.0	145.0	150.0	
Heating capacity	Nom.		kW	120.0	125.0	132.0	138.0	145.0	150.0	156.0	162.0	168.0	
Power input - 50Hz	Cooling	Nom.	kW	31.0			33.3	35.0	37.0	39.0	40.7	42.4	44.1
	Heating	Nom.	kW	29.9	30.9	33.0	34.7	36.8	38.4	40.0	41.6	43.2	
EER				3.42	3.61	3.54		3.51	3.46	3.44	3.42	3.40	
ESEER				5.03 (2) / 6.36 (3)	5.29 (2) / 6.74 (3)	5.19 (2) / 6.65 (3)	5.17 (2) / 6.62 (3)	5.13 (2) / 6.60 (3)	5.05 (2) / 6.50 (3)	5.02 (2) / 6.46 (3)	4.99 (2) / 6.42 (3)	4.97 (2) / 6.38 (3)	
COP				4.01	4.05	4.00	3.98	3.94	3.91	3.90	3.89		
Maximum number of connectable indoor units				64 (1)									
Indoor index connection	Min.			475	500	525	550	575	600	625	650	675	
	Nom.			950	1,000	1,050	1,100	1,150	1,200	1,250	1,300	1,350	
	Max.			1,235	1,300	1,365	1,430	1,495	1,560	1,625	1,690	1,755	
Piping connections	Liquid	OD	mm	19.1									
	Gas	OD	mm	41.3									
	Total piping length	System	Actual	1,000									
Current - 50Hz	Maximum fuse amps (MFA)			A	100					125			

Outdoor unit module				RYMQ8T	RYMQ10T	RYMQ12T	RYMQ14T	RYMQ16T	RYMQ18T	RYMQ20T	
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
		Sound power level	Nom.	dB(A)	78	79		81	86		88
Sound pressure level	Cooling	Nom.	dB(A)		58			61	64	65	66
		Operation range	Min.~Max.	°CDB				-5~43			
Refrigerant	Heating	Min.~Max.	°CWB				-20~15.5				
		Type					R-410A				
Power supply	Phase/Frequency/Voltage			3N~/50/380-415							
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		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%) (2) The STANDARD ESEER value corresponds with normal VRV4 Heat Pump operation, not taking into account advanced energy saving operation functionality (3) The AUTOMATIC SEER value corresponds with normal VRV4 Heat Pump operation, taking into account advanced energy saving operation functionality (variable refrigerant temperature control operation)



Heating & Cooling

Outdoor unit				RXYQ8T	RXYQ10T	RXYQ12T	RXYQ14T	RXYQ16T	RXYQ18T	RXYQ20T
Capacity range	HP			8	10	12	14	16	18	20
Cooling capacity	Nom.	kW		22.4	28.0	33.5	40.0	45.0	50.0	56.0
Heating capacity	Nom.			25.0	31.5	37.5	45.0	50.0	56.0	63.0
Power input - 50Hz	Cooling	Nom.	kW	5.21	7.29	8.98	11.0	13.0	14.7	18.5
	Heating	Nom.	kW	5.51	7.38	9.10	11.2	12.8	14.4	17.0
EER				4.30	3.84	3.73	3.64	3.46	3.40	3.03
ESEER				6.37 (2) / 7.53 (3)	5.67 (2) / 7.20 (3)	5.50 (2) / 6.96 (3)	5.31 (2) / 6.83 (3)	5.05 (2) / 6.50 (3)	4.97 (2) / 6.38 (3)	4.42 (2) / 5.67 (3)
COP				4.54	4.27	4.12	4.02	3.91	3.89	3.71
Maximum number of connectable indoor units				64 (1)						
Indoor index connection	Min.			100	125	150	175	200	225	250
	Nom.			200	250	300	350	400	450	500
	Max.			260	325	390	455	520	585	650
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			187	194		305		314	
Fan	Air flow rate	Cooling	Nom.	m ³ /min	162	175	185	223	260	261
Sound power level	Cooling	Nom.		dB(A)	78	79	81		86	88
Sound pressure level	Cooling	Nom.		dB(A)	58		61		64	66
Operation range	Cooling	Min.~Max.	°CDB		-5~43					
	Heating	Min.~Max.	°CWB		-20~15.5					
Refrigerant				R-410A						
Piping connections	Liquid	OD	mm	15.9			19.1			
	Gas	OD	mm	19.1	22.2	28.6				
	Total piping length	System	Actual			1,000				
Power supply	Phase/Frequency/Voltage			3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32	40		50

Outdoor unit				RXYQ22T	RXYQ24T	RXYQ26T	RXYQ28T	RXYQ30T	RXYQ32T	RXYQ34T	RXYQ36T
System	Outdoor unit module 1			RXYQ10T	RXYQ8T	RXYQ12T			RXYQ16T		
	Outdoor unit module 2			RXYQ12T	RXYQ16T	RXYQ14T	RXYQ16T	RXYQ18T	RXYQ16T	RXYQ18T	RXYQ20T
	Outdoor unit module 3			-							
Capacity range	HP			22	24	26	28	30	32	34	36
Cooling capacity	Nom.	kW		61.5	67.4	73.5	78.5	83.5	90.0	95.0	101.0
Heating capacity	Nom.			69.0	75.0	82.5	87.5	93.5	100.0	106.0	113.0
Power input - 50Hz	Cooling	Nom.	kW	16.3	18.2	20.0	22.0	23.7	26.0	27.7	31.5
	Heating	Nom.	kW	16.5	18.3	20.3	21.9	23.5	25.6	27.2	29.8
EER				3.77	3.70	3.68	3.57	3.52	3.46	3.43	3.21
ESEER				5.58 (2) / 7.07 (3)	5.42 (2) / 6.81 (3)	5.39 (2) / 6.89 (3)	5.23 (2) / 6.69 (3)	5.17 (2) / 6.60 (3)	5.05 (2) / 6.50 (3)	5.01 (2) / 6.44 (3)	4.68 (2) / 6.02 (3)
COP				4.18	4.10	4.06	4.00	3.98	3.91	3.90	3.79
Maximum number of connectable indoor units				64 (1)							
Indoor index connection	Min.			275	300	325	350	375	400	425	450
	Nom.			550	600	650	700	750	800	850	900
	Max.			715	780	845	910	975	1,040	1,105	1,170
Piping connections	Liquid	OD	mm	15.9			19.1				
	Gas	OD	mm	28.6				34.9		41.3	
	Total piping length	System	Actual			1,000					
Current - 50Hz	Maximum fuse amps (MFA)			A	63			80			

Outdoor unit				RXYQ38T	RXYQ40T	RXYQ42T	RXYQ44T	RXYQ46T	RXYQ48T	RXYQ50T	RXYQ52T	RXYQ54T
System	Outdoor unit module 1			RXYQ8T	RXYQ10T			RXYQ12T	RXYQ14T	RXYQ16T		
	Outdoor unit module 2			RXYQ10T	RXYQ12T	RXYQ16T			RXYQ18T			
	Outdoor unit module 3			RXYQ20T	RXYQ18T	RXYQ16T			RXYQ18T			
Capacity range	HP			38	40	42	44	46	48	50	52	54
Cooling capacity	Nom.	kW		106.0	112.0	118.0	124.0	130.0	135.0	140.0	145.0	150.0
Heating capacity	Nom.			120.0	125.0	132.0	138.0	145.0	150.0	156.0	162.0	168.0
Power input - 50Hz	Cooling	Nom.	kW	31.0		33.3	35.0	37.0	39.0	40.7	42.4	44.1
	Heating	Nom.	kW	29.9	30.9	33.0	34.7	36.8	38.4	40.0	41.6	43.2
EER				3.42	3.61	3.54		3.51	3.46	3.44	3.42	3.40
ESEER				5.03 (2) / 6.36 (3)	5.29 (2) / 6.74 (3)	5.19 (2) / 6.65 (3)	5.17 (2) / 6.62 (3)	5.13 (2) / 6.60 (3)	5.05 (2) / 6.50 (3)	5.02 (2) / 6.46 (3)	4.99 (2) / 6.42 (3)	4.97 (2) / 6.38 (3)
COP				4.01	4.05	4.00	3.98	3.94	3.91	3.90	3.89	
Maximum number of connectable indoor units				64 (1)								
Indoor index connection	Min.			475	500	525	550	575	600	625	650	675
	Nom.			950	1,000	1,050	1,100	1,150	1,200	1,250	1,300	1,350
	Max.			1,235	1,300	1,365	1,430	1,495	1,560	1,625	1,690	1,755
Piping connections	Liquid	OD	mm	19.1								
	Gas	OD	mm	41.3								
	Total piping length	System	Actual			1,000						
Current - 50Hz	Maximum fuse amps (MFA)			A	100			125				

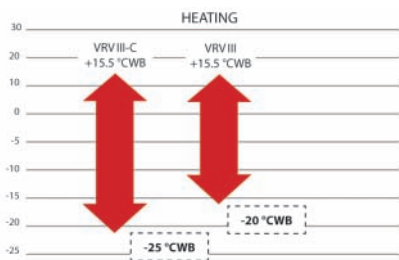
(1) Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%) (2) The STANDARD ESEER value corresponds with normal VRV4 Heat Pump operation, not taking into account advanced energy saving operation functionality (3) The AUTOMATIC SEER value corresponds with normal VRV4 Heat Pump operation, taking into account advanced energy saving operation functionality (variable refrigerant temperature control operation)



RTSYQ14-16PA

VRV III-C

- > First system in the industry developed for heating operation in low ambient conditions, making it suitable for single source heating
- > Extended operation range down to -25°C in heating



- > High COP values at low ambients thanks to the two stage compression technology (COP values of 3.0 and more at -10°C)
- > Improved comfort thanks to shorter defrost time
- > Shorter heat up time compared to standard VRVIII heat pump
- > Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- > Connectable to all VRV indoor units, ventilation and control systems
- > Keep your system in top condition via our ACNSS service: 24/7 monitoring for maximum efficiency, extended lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage



SOURCE TO AIR HEAT PUMPS

Heating & Cooling

Outdoor system				RTSYQ10PA	RTSYQ14PA	RTSYQ16PA	RTSYQ20PA
System	Outdoor unit module 1			RTSQ10PAY1	RTSQ14PAY1	RTSQ16PAY1	RTSQ8PAY1
	Outdoor unit module 2				-		RTSQ12PAY1
Function unit				BTSQ20PY1			
Capacity range	HP			10	14	16	20
Cooling capacity	Nom.			28.0 (1)	40.0 (1)	45.0 (1)	56.0 (1)
Heating capacity	Nom.			31.5 (2) / 28.0 (3)	45.0 (2) / 40.0 (3)	50.0 (2) / 45.0 (3)	63.0 (2) / 55.9 (3)
Power input - 50Hz	Cooling	Nom.		7.90 (1)	12.6 (1)	14.9 (1)	15.4 (1)
	Heating	Nom.		7.78 (2) / 8.18 (3)	11.4 (2) / 12.8 (3)	13.0 (2) / 15.0 (3)	15.4 (2) / 18.7 (3)
EER				3.54 (1)	3.17 (1)	3.02 (1)	3.64 (1)
COP				4.05 (2) / 3.42 (3)	3.95 (2) / 3.13 (3)	3.85 (2) / 3.00 (3)	4.09 (2) / 2.99 (3)
Maximum number of connectable indoor units				21	30	34	43
Indoor index connection	Min.			125	175	200	250
	Nom.			250	350	400	500
	Max.			325	455	520	650
Sound pressure level	Cooling	Max./Nom.		62/60		65/63	
Piping connections	Liquid	OD		9.52		12.7	
	Gas	OD		22.2		28.6	
	Oil equalizing	OD					
	Total piping length	System	Actual	m		500	
Current - 50Hz	Maximum fuse amps (MFA)			A	25	35	40

(1) Cooling: Indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m; function unit length: 6m; (2) Heating: Indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent piping length: 7.5m; level difference: 0m; function unit length: 6m; (3) Heating: Indoor temp. 20°CDB; outdoor temp. -10°CWB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m

Outdoor unit module				BTSQ20P	RTSQ8PA	RTSQ10PA	RTSQ12PA	RTSQ14PA	RTSQ16PA
Dimensions	Unit	HeightxWidthxDepth		mm	1,570x460x765	1,680x930x765		1,680x1,240x765	
Weight	Unit			kg	110	205	257	338	344
Fan	Air flow rate	Cooling	Nom.	m ³ /min	-	185	200	233	239
Sound power level	Cooling	Nom.		dB(A)					
Operation range	Cooling	Min.~Max.		°CDB	-5~43				
	Heating	Min.~Max.		°CWB	-25~15.5				
Refrigerant	Type			R-410A					
Power supply	Phase/Frequency/Voltage			Hz/V					
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	35	40	



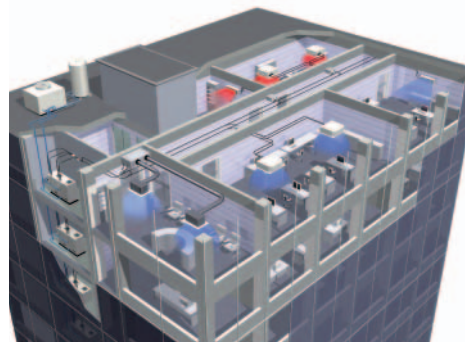
RWEYQ-8-10T

VRV IV W-series

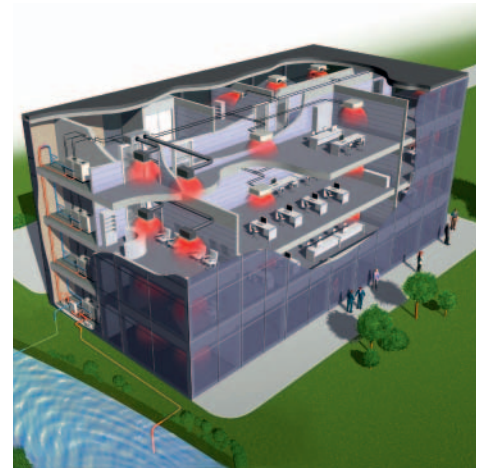
- > Reduced CO₂ emissions thanks to the use of geothermal energy as a renewable energy source
- > No need for an external heating or cooling source when used in geothermal mode
- > Suitable for multi-storey and large buildings because of the hardly unlimited possibilities of water piping
- > 2-stage heat recovery: first stage between indoor units, second stage between outdoor units thanks to the storage of energy in the water circuit
- > Customize your VRV for best seasonal efficiency & comfort with the weather dependant Variable Refrigerant Temperature function
- > Increased seasonal efficiency with Variable Refrigerant Temperature when compared to previous series
- > Best comfort, no cold draft by supply of a high outblow air temperature thanks to Variable Refrigerant Temperature and all inverter technology
- > High heating efficiency at low water entering temperatures in geothermal mode
- > Simultaneous cooling and heating from one system
- > VRV configurator software for the fastest and most accurate commissioning, configuration and customisation
- > Accurate temperature control, fresh air provision, air handling units Biddle air curtains and hot water production, all integrated in a single system requiring only one single point of contact
- > Compact design (stacked configuration possible)
- > The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- > Spread your installation cost by phased installation
- > Keep your system in top condition via our ACNSS service: 24/7 monitoring for maximum efficiency, extended lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage
- > Easy compliance with F-gas regulation thanks to automated refrigerant containment check
- > European-optimised design and manufactured in Europe for short lead-in times
- > Variable Water Flow control option increases flexibility and control



Heat recovery Heating & Cooling



Standard operation



Geothermal operation

Outdoor unit				RWEYQ8T		RWEYQ10T		
Capacity range		HP		8		10		
Cooling capacity	Capacity		kW	22.4		28.0		
	EER			5.07		4.56		
	PI		kW	4.42		6.14		
Heating capacity	Capacity		kW	25.0		31.5		
	EER			5.94		5.25		
	PI		kW	4.21		6.00		
Power input - 50Hz	Cooling	Nom.	kW	4.42		6.14		
	Heating	Nom.	kW	4.21		6.00		
EER				5.07		4.56		
COP				5.94		5.25		
Maximum number of connectable indoor units						36		
Indoor index connection	Min.			100		125		
	Nom.			200		250		
	Max.			260		325		
Dimensions	Unit	HeightxWidthxDepth	mm	1,000x780x550				
Weight	Unit		kg	137		137		
Sound power level	Cooling	Nom.	dB(A)	-				
Sound pressure level	Cooling	Nom.	dB(A)	50		51		
Operation range	Inlet water temperature	Cooling	Min.~Max. °CDB	10~45				
		Heating	Min.~Max. °CWB	10~45				
Refrigerant	Type			R-410A				
Piping connections	Liquid	OD	mm	9.52				
	Gas	OD	mm	19.1 (1)		22.2 (1)		
	Discharge gas	OD	mm	15.9 (2) / 19.1 (3)		19.1 (2) / 22.2 (3)		
	Water	Inlet/Outlet		PT1 1/4B internal thread/PT1 1/4B internal thread				
	Piping length	OU - IU	Max.	m	120			
	Total piping length	System	Actual	m	300			
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)			
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415				
Current - 50Hz	Maximum fuse amps (MFA)		A	20				

(1) In case of heat pump system, gas pipe is not used (2) In case of heat recovery system (3) In case of heat pump system

Outdoor system				RWEYQ16T	RWEYQ18T	RWEYQ20T	RWEYQ24T	RWEYQ26T	RWEYQ28T	RWEYQ30T
System	Outdoor unit module 1			RWEYQ8T	RWEYQ10T		RWEYQ8T	RWEYQ10T		
	Outdoor unit module 2			RWEYQ8T		RWEYQ10T	RWEYQ8T		RWEYQ10T	
	Outdoor unit module 3			-			RWEYQ8T		RWEYQ10T	
Capacity range		HP	16	18	20	24	26	28	30	
Cooling capacity	Capacity		kW	44.8	50.4	56.0	67.2	72.8	78.4	84.0
	EER			5.07	4.77	4.56	5.07	4.86	4.69	4.56
	PI		kW	8.8	10.6	12.3	13.3	15.0	16.7	18.4
Heating capacity	Capacity		kW	50.0	56.5	63.0	75.0	81.5	88.0	94.5
	EER			5.94	5.53	5.25	5.94	5.65	5.43	5.25
	PI		kW	8.4	10.2	12.0	12.6	14.4	16.2	18.0
Power input - 50Hz	Cooling	Nom.	kW	9.10	10.6	12.1	13.7	15.1	16.6	18.1
	Heating	Nom.	kW	8.48	10.3	12.1	12.7	14.5	16.3	18.2
EER				4.92	4.63	4.41	4.91	4.74	4.57	4.43
COP				5.87	5.48	5.21	5.91	5.62	5.40	5.19
Maximum number of connectable indoor units				36						
Sound pressure level	Cooling	Nom.	dB(A)	53	54		55		56	
Piping connections	Liquid	OD	mm	12.7	15.9		19.1		19.1	
	Gas	OD	mm	28.6 (1)		34.9 (1)				
	Discharge gas	OD	mm	22.2 (2) / 28.6 (3)	22.2 (2) / 28.6 (3)	22.2 (2) / 28.6 (3)	28.6 (2) / 34.9 (3)	28.6 (2) / 34.9 (3)	28.6 (2) / 34.9 (3)	28.6 (2) / 34.9 (3)
	Piping length	OU - IU	Max.	m	120					
	Total piping length	System	Actual	m	300					
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)					
	Current - 50Hz	Maximum fuse amps (MFA)		A	32			50		

(1) In case of heat pump system, gas pipe is not used (2) In case of heat recovery system (3) In case of heat pump system



With air conditioning, you treat the air in a room to obtain an ideal temperature, purity, ventilation and humidity. Air conditioning does much more than just cool the space you live and work in. Enjoy perfect Daikin comfort all year round.

AIR CONDITIONING

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Products overview - Split

Indoor units






















Pair & multi application

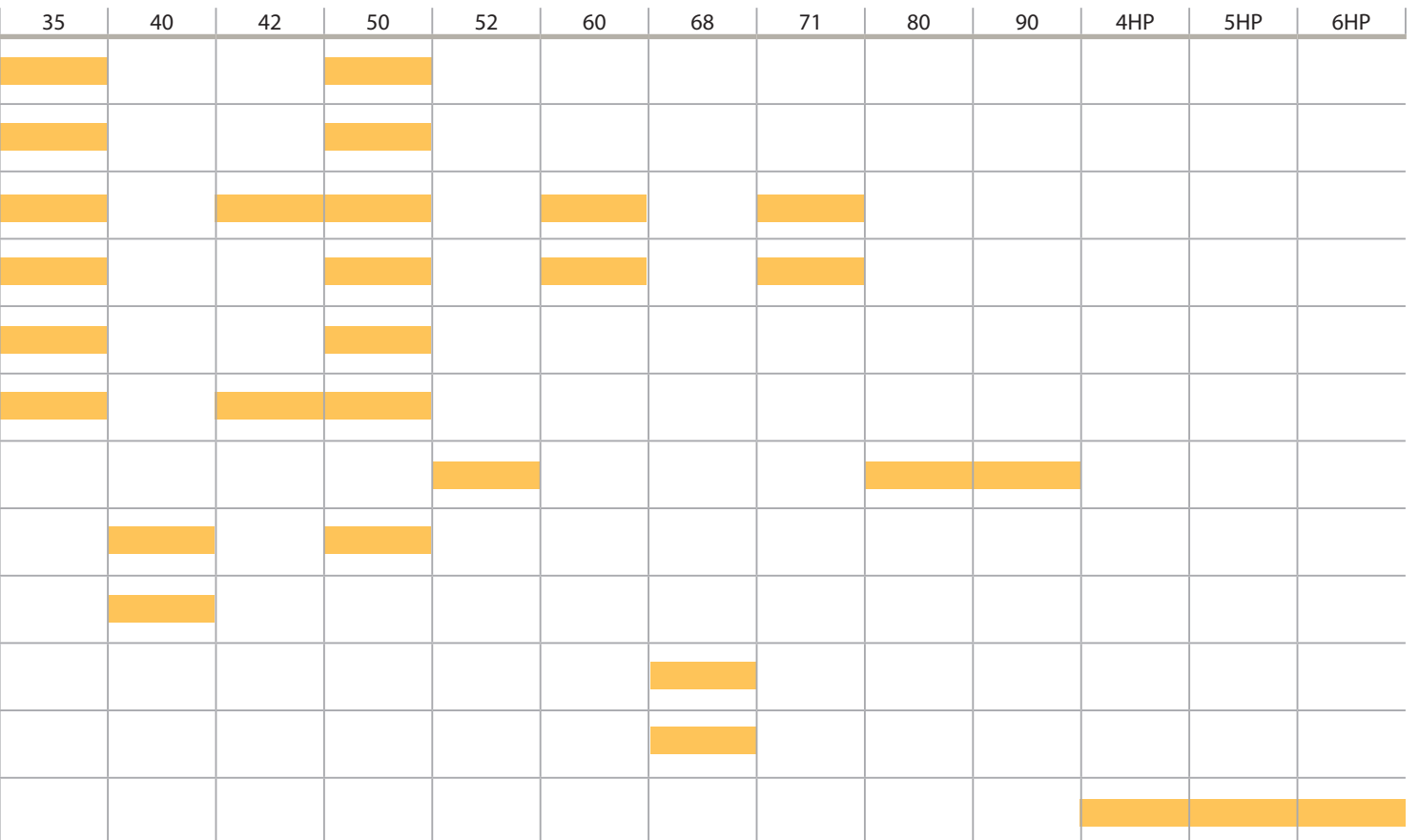
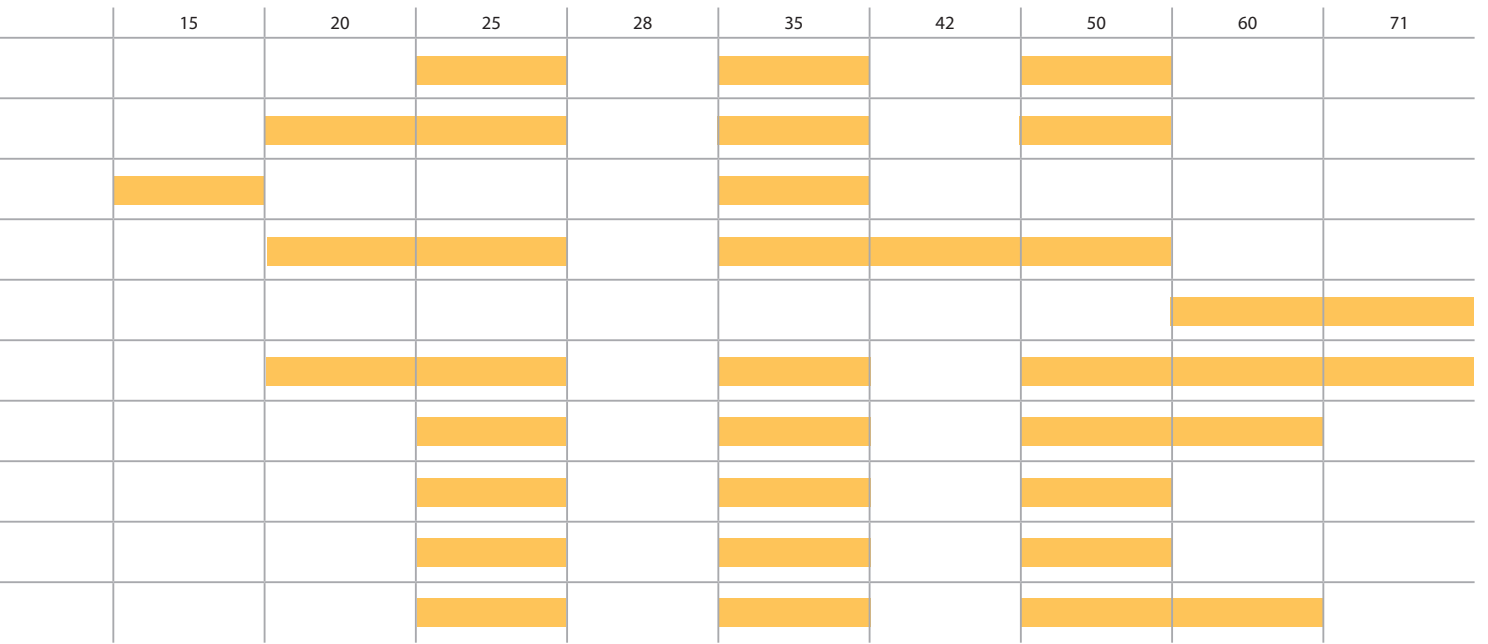
Type	Model	Product name		
Wall mounted	Ururu Sarara	FTXZ-N ¹		
	Daikin Emura	FTXG-LW/S		
	Wall mounted unit	CTXS-K ²		
	Wall mounted unit	FTXS-K		
	Wall mounted unit	FTXS-G		
	Wall mounted unit	FTX-JV/GV ³		
Ceiling mounted cassette	Slim concealed ceiling unit	FDXS-F(9)		
Floor standing	Nexura - floor standing unit with radiant heat panel	FVXG-K		
	Floor standing unit	FVXS-F		
Flexi type	Flexi type unit	FLXS-B(9) ⁴		

- 1) These indoor units can only be used in pair application
- 2) These indoor units can only be connected to multi outdoor units, pair application is not possible
- 3) 50,60,71 capacity classes cannot be connected to multi outdoor units
- 4) 60 capacity class is only connectable to multi outdoor units, pair application is not possible












































Outdoor units

Pair & multi application

Type	Model	Product name		20	25	28
Air cooled	Pair heat pump	RXZ-N				
		RXG-L				
		RXS-L/F8				
		RX-JV/GV(B)				
		RXLG-K				
		RXL-K				
Air cooled	Multi heat pump	MXS-E (3/4/5 port)				
		MXS-H (2 port)				
		MXS-K (3 port)				
		MXS-G (3 port)				
		MXS-F (4 port)				
		RXYSQ-P8V1 VRVIII-S				



Benefits overview - Split

		Wall mounted unit		
		FTXZ-N	FTXG-LW/S	FTXS-K / CTXS-K
				
We care icons	 Inverter technology	✓	✓	✓
	 Econo mode	✓	✓	✓
	 2 area intelligent eye	✓	✓	✓(1)
	 Movement sensor			✓(2)
	 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	✓	✓	✓
	 Radiant heat			
	 Indoor unit silent operation	✓	✓	✓
	 Comfortable sleeping mode	✓		
	 Outdoor unit silent operation	✓	✓	✓
	 Night quiet mode (cooling only)		RXG-L	
Air flow	 3-D Air flow	✓	✓	✓(1)
	 Vertical auto swing	✓	✓	✓
	 Horizontal auto swing	✓	✓	✓(1)
	 Auto fan speed	✓	✓	✓
	 Fan speed steps	5	5	5
Humidity control	 Ururu - humidification	✓		
	 Sarara - dehumidification	✓		
	 Dry programme		✓	✓
Air treatment	 Flash streamer	✓		
	 Titanium photocatalytic air purification filter	✓	✓	✓
	 Photocatalytic deodorising filter			
	 Air filter			
Remote control & timer	 Online controller	✓	✓	✓(1)
	 Weekly timer		✓	✓
	 24 Hour timer	✓	✓	✓
	 Infrared remote control	✓	✓	✓
	 Wired remote control		✓	✓
	 Centralised control	✓	✓	✓
Other functions	 Auto-restart	✓	✓	✓
	 Self-diagnosis	✓	✓	✓
	 Multi model application		✓	✓
	 VRV for residential application		✓	✓

(1) FTXS35,42,50K only
 (2) FTXS20,25K and CTXS15,35K only
 (3) Depending on selected remote control

Ururu Sarara

To enjoy year-round comfort, you need more than just temperature control, you need control over the humidity level, combined with the supply of fresh clean air. Daikin's new Ururu Sarara, with its perfect combination of humidification, dehumidification, ventilation and purification provides exactly the room comfort you want, any time of the year. A bit of humidification in winter avoids sore throats and dry skin. Dehumidification in summer makes you feel more comfortable even with higher temperatures. Besides that, the Ururu Sarara brings in fresh air, but not without removing dust, pollen and smoke thanks to the special air purification techniques.

5 Air treatment techniques in 1 system

Cooling & heating, ventilation, air purification, humidification and dehumidification.

Low environmental impact

With an SEER & SCOP of A+++ on the entire range and by using a low GWP refrigerant, R32 GWP is approximately one third of R-410A GWP, Daikin Ururu Sarara delivers a lower environmental impact.

SEER + SCOP

A+++

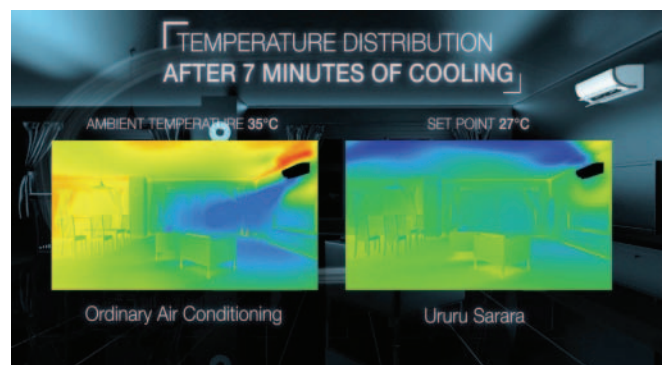
on the entire range



Total comfort solution

Thanks to its auto-cleaning filter, an improved air flow pattern 2-area intelligent eye and its user friendly remote control.

NEW



Award winning design

Daikin Ururu Sarara has been awarded with the prestigious Reddot design award 2013



FTXZ-N



RXZ-N



reddot design award
winner 2013



- > SEER + SCOP = A+++ on the entire range
- > Unique combination of humidification, dehumidification, ventilation, air purification and heating & cooling in 1 system
- > Enhanced comfort thanks to 2- area intelligent eye, improved airflow pattern and user friendly control
- > Reddot design award winner 2013
- > Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- > First R32 air-to-air heat pump in the European market



Heating & Cooling

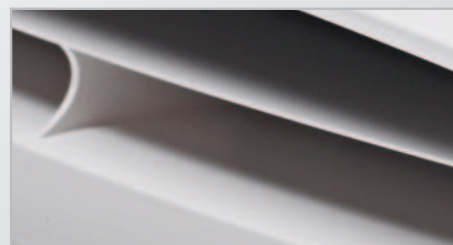
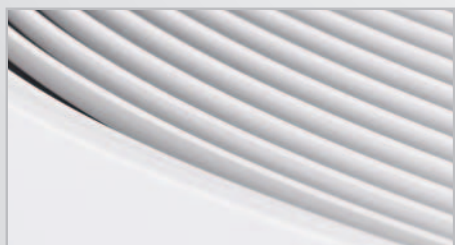
Indoor unit				FTXZ25N	FTXZ35N	FTXZ50N
Cooling capacity	Min./Nom./Max.		kW	0.6/2.5/3.9	0.6/3.5/5.3	0.6/5.0/5.8
Heating capacity	Min./Nom./Max.		kW	0.6/3.6/7.5	0.6/5.0/9.0	0.6/6.3/9.4
Power input	Cooling	Min./Nom./Max.	kW	0.11/0.41/0.88	0.11/0.66/1.33	0.11/1.10/1.60
	Heating	Min./Nom./Max.	kW	0.10/0.62/2.01	0.10/1.00/2.53	0.10/1.41/2.64
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+++		
		Pdesign	kW	2.50	3.50	5.00
		SEER		9.54	9.00	8.60
		Annual energy consumption	kWh	92	136	203
	Heating (Average climate)	Energy label		A+++		
		Pdesign	kW	3.50	4.50	5.60
		SCOP		5.90	5.73	5.50
		Annual energy consumption	kWh	831	1,100	1,427
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			6.10	5.30	4.55
	COP			5.80	5.00	4.47
	Annual energy consumption		kWh	205	330	550
	Energy label		Cooling/Heating	A/A		
Casing	Colour		White			
Dimensions	Unit	HeightxWidthxDepth	mm	295x798x372		
Weight	Unit		kg	15		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m³/min	10.7/7.5/5.3/4.0	12.1/8.4/5.6/4.0	15.0/9.2/6.6/4.6
	Heating	High/Nom./Low/Silent operation	m³/min	11.7/8.6/6.7/4.8	13.3/9.2/6.9/4.8	14.4/10.7/7.7/5.9
Sound power level	Cooling	High	dBA	54	57	60
	Heating	High	dBA	56	57	59
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	38/33/26/19	42/35/27/19	47/38/30/23
	Heating	High/Nom./Low/Silent operation	dBA	39/35/28/19	42/36/29/19	44/38/31/24
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5		
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240		

Outdoor unit				RXZ25N	RXZ35N	RXZ50N
Dimensions	Unit	HeightxWidthxDepth	mm	693x795x300		
Weight	Unit		kg	50		
Fan - Air flow rate	Cooling	High/Low	m³/min	31.0/22.5	34.4/22.5	40.4/22.5
	Heating	High/Low	m³/min	28.3/16.2	31.5/16.2	33.1/16.2
Sound power level	Cooling	High	dBA	59	61	63
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/GWP			R32/650		
Piping connections	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	-		

(1) EER/COP according to Eurovent 2012

LET'S FALL IN LOVE

DAIKIN EMURA
THE NEXT GENERATION
AVAILABLE SPRING 2014




emura



ARC466A1



- › Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white or silver
- › Completely new European design, while keeping the identity of the 1st generation Daikin Emura.
- › SEER up to A+++
- › Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- › Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen

Heating & Cooling

Indoor unit				*FTXG20LW/S	*FTXG25LW/S	*FTXG35LW/S	*FTXG50LW/S
Cooling capacity	Min./Nom./Max.		kW	1.3/2.0/2.8	1.3/2.5/3.0	1.4/3.5/3.8	1.7/5.0/5.3
Heating capacity	Min./Nom./Max.		kW	1.3/2.5/4.3	1.3/3.4/4.5	1.4/4.0/5.0	1.7/5.8/6.5
Power input	Cooling	Nom.	kW	0.41	0.55	0.88	1.47
	Heating	Nom.	kW	0.50	0.77	0.98	1.59
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+++		A++	
		Pdesign	kW	2.00	2.50	3.50	5.00
		SEER		8.52	8.57	7.41	6.69
	Annual energy consumption		kWh	82	102	165	262
	Heating (Average climate)	Energy label		A++		A+	
		Pdesign	kW	2.30	2.80	3.30	4.60
SCOP			4.71	4.70	4.60	4.24	
Annual energy consumption		kWh	684	833	1,003	1,519	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			4.88	4.55	3.98	3.40
	COP			5.00	4.42	4.08	3.65
	Annual energy consumption		kWh	205	275	440	735
Casing	Colour		A/A				
	Unit		White				
Dimensions	HeightxWidthxDepth	mm		303x998x212			
Weight	Unit		kg				
			12				
Fan - Air flow rate	Cooling	High	m ³ /min	8.8		11	11.3
	Heating	High	m ³ /min	10.1	10.4	11.7	12.3
Sound power level	Cooling	High	dBA	54		59	60
	Heating	High	dBA	56	57	59	60
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	38/32/25/19		45/34/26/20	46/40/35/32
	Heating	High/Nom./Low/Silent operation	dBA	40/34/28/19	41/34/28/19	45/37/29/20	47/41/35/32
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	9.5			12.7
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240			

Outdoor unit				*RXG20L	*RXG25L	*RXG35L	*RXG50L
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x300			735x825x315
Weight	Unit		kg				
			34				
Sound power level	Cooling	High	dBA	61		63	
	Sound pressure level	Cooling	High/Low	dBA	46/43		48/44
Heating		High/Low	dBA	47/44		48/45	
Operation range	Cooling	Ambient	Min.~Max. °CDB	-10~46			
	Heating	Ambient	Min.~Max. °CWB	-15~20			
Refrigerant	Type/GWP		R-410A/1,975				
Piping connections	Piping length	OU - IU	Max. m	20			30
	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	16			20

*Note: grey cells contain preliminary data

(1) EER/COP according to Eurovent 2012

Optimal design and comfort for the whole home

Integrated design

- › Discreet, modern design. Its smooth curve blends beautifully with the wall resulting in an unobtrusive presence that matches all interior décors.
- › High quality matt crystal white finish.
- › New remote control design, in the same high quality matt white finish to create a perfect match with the indoor unit.



Top performance

The FTXS-K series delivers top performance with seasonal energy efficiency ratings up to A++ and they are equipped with a weekly timer and intelligent eye to generate further energy savings. The weekly timer allows you to programme your unit so that it best suits your needs, whereas the intelligent eye detects the presence of people in the room and activates the economy mode when no one is there.



The right indoor for the right room

We have a full range of wall units to provide optimal design and comfort in any room in your home.

Our small wall mounted units (CTXS15,35K and FTXS20,25K) are optimised for the modern bedroom.

- › Recognising the trend for less spacious bedrooms and better insulation, we extended our range with the 15 class to deliver exactly the right comfort in smaller rooms.
- › In general, silence is even more important in bedrooms than in living areas: our small wall mounted series go almost unnoticed with operating sound levels as low as 19dBA.

Our larger wall mounted units (FTXS35, 42, 50K) deliver perfect comfort to your living area.

- › The new discharge air pattern - using the 'Coanda effect' - provides a greater airflow length ensuring perfect comfort in every corner of your living room.
- › The two-area intelligent eye detects where people are located in the room and can project the airflow away from the occupants to avoid direct draught.
- › To optimize your comfort even further the new wall mounted series are whisper quiet.



FTXS20-25K/CTXS15-35K



RXS20-42L



ARC466A6



- › Discreet, modern design. Its smooth curve blends beautifully with the wall resulting in an unobtrusive presence that matches all interior décors.
- › High quality matt crystal white finish
- › Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dB!
- › Ideal for installation in bedrooms (20,25 class) and larger or irregular shaped living areas (35,42,50 class)
- › 2 area intelligent eye: 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 (FTXS35,42,50K)
- › Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen (FTXS35,42,50,60,71)
- › Improved air discharge pattern, using the Coanda effect



Heating & Cooling

Indoor unit			CTXS15K	CTXS35K	FTXS20K	FTXS25K	FTXS35K	FTXS42K	FTXS50K	FTXS60G	FTXS71G															
Cooling capacity	Min./Nom./Max.				-2.0/-	-2.5/-	-3.5/-	-4.2/-	-5.0/-	-6.0/-	-7.1/-															
Heating capacity	Min./Nom./Max.				-2.5/-	-2.8/-	-4.0/-	-5.4/-	-5.8/-	-7.0/-	-8.2/-															
Power input	Cooling	Nom.			0.43	0.57	0.86	1.18	1.41	1.99	2.35															
	Heating	Nom.			0.53	0.60	0.84	1.31	1.45	2.04	2.55															
Seasonal efficiency (according to EN14825)	Cooling	Energy label		Only available in multi model application																						
		Pdesign										A++		A												
		SEER																								
	Annual energy consumption		kWh									2.00		2.50		3.50		4.20		5.00		6.00		7.10		
	7.40		7.90									7.47		6.80		5.58		5.28								
Heating (Average climate)	Energy label				A++		A+		A																	
	Pdesign		kW		2.30		2.50		3.60		4.00		4.60		4.80		6.20									
	SCOP				4.93		4.85		4.20		3.89		3.81													
Annual energy consumption		kWh		653		710		1,039		1,334		1,535		1,728		2,276										
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.65		4.39		4.07		3.56		3.55		3.02											
	COP				4.72		4.67		4.76		4.12		4.00		3.43		3.22									
	Annual energy consumption		kWh		215		285		430		590		705		995		1,175									
Energy label		Cooling/Heating						A/A		B/B		B/C														
Casing	Colour				White																					
Dimensions	Unit	HeightxWidthxDepth	mm		289x780x215		289x780x215		298x900x215		290x1,050x250															
Weight	Unit	kg		8		8		11		12																
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m ³ /min		7.9/6.3/4.7/3.9	9.2/7.2/5.2/3.9	8.8/8.8/4.7/3.9	9.1/9.1/5.0/3.9	11.2/11.2/7.0/4.1	11.9/11.9/7.4/4.5	16.0/16.0/11.3/10.1	17.2/17.2/11.5/10.5														
	Heating	High/Nom./Low/Silent operation	m ³ /min		9.0/7.5/6.0/4.3	10.1/8.1/6.3/4.3	9.5/7.8/6.0/4.3	10.0/8.0/6.0/4.3	12.1/9.3/6.5/4.2	12.4/10.0/7.8/5.2	13.3/10.8/8.4/5.5	17.2/14.9/12.6/11.3	19.5/16.7/14.2/12.6													
Sound power level	Cooling	High/Nom.	dBA		55	59	-58		-59		-60		-63													
	Heating	High/Nom.	dBA		56	58	-58		-59		-60		-62/-													
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA		37/31/25/21	42/35/28/21	40/32/24/19	41/33/25/19	45/37/29/19	45/39/33/21	46/40/34/23	45/41/36/33	46/42/37/34													
	Heating	High/Nom./Low/Silent operation	dBA		38/33/28/21	41/36/30/21	40/34/27/19	41/34/27/19	45/39/29/19	45/39/33/22	47/40/34/24	44/40/35/32	46/42/37/34													
Piping connections	Liquid	OD	mm		6.35				6.35																	
	Gas	OD	mm		9.5		9.5				12.7		15.9													
	Drain		mm		18																					
Power supply	Phase / Frequency / Voltage		Hz / V		1~ / 50 / 220-240				1~ / 50 / 220-240																	

Outdoor unit			*RXS20L	*RXS25L	*RXS35L	*RXS42L	*RXS50L	*RXS60L	*RXS71F8			
Dimensions	Unit	HeightxWidthxDepth	mm		550x765x285		735x825x300		770x900x320			
Weight	Unit	kg		34		39		47		48		
Fan - Air flow rate	Cooling	Nom.	m ³ /min		33.5		36.0		37.3		50.9	
	Heating	Nom.	m ³ /min		28.3		31.3		45.0		46.3	
Sound power level	Cooling	Nom.	dBA		58		59		60		61	
Operation range	Cooling	Ambient	Min.~Max.	°CDB				-10~46				
	Heating	Ambient	Min.~Max.	°CWB		-15~18				-15~20		
Refrigerant	Type/GWP				R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	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) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data



FTX-JV



RX-JV



ARC433A8



- › Energy saving during standby mode: reduces current consumption by about 80% when operating in standby (JV range only)
- › Comfort mode guarantees draught free operation by preventing that warm or cold air is directly blown on to the body (JV range only)
- › Whisper quiet operation: down to 22dBA sound pressure level
- › Titanium apatite photocatalytic air purification filter removes airborne microscopic particles, powerfully decomposes odours and helps to prevent the propagation of bacteria, viruses, microbes to ensure a steady supply of clean air
- › Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen (50 till 71 class only)



Heating & Cooling

Indoor unit				FTX20JV	FTX25JV	FTX35JV	FTX50GV	FTX60GV	FTX71GV	
Cooling capacity	Min./Nom./Max.		kW	1.3/2.0 /2.6	1.3/2.5 /3.0	1.3/3.3 /3.8	1.7/5.0 /6.0	-/6.0/-	-/7.1/-	
Heating capacity	Min./Nom./Max.		kW	1.3/2.5 /3.5	1.3/2.8 /4.0	1.3/3.5 /4.8	1.7/5.8 /7.7	-/7.0/-	-/8.2/-	
Power input	Cooling	Min./Nom./Max.	kW	0.31/0.55/0.72	0.31/0.73/1.05	0.29/0.98/1.30	0.44/1.55/2.08	-/1.99/-	-/2.35/-	
	Heating	Min./Nom./Max.	kW	0.25/0.59/0.95	0.25/0.69/1.11	0.29/0.93/1.29	0.40/1.60/2.53	-/2.04/-	-/2.55/-	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+						
		Pdesign	kW	2.00	2.50	3.30	5.00	6.00	7.10	
		SEER		5.63						
	Annual energy consumption			kWh	124	155	204	311	391	500
	Heating (Average climate)	Energy label		A+						
		Pdesign	kW	2.20	2.40	2.80	4.60	4.80	6.20	
SCOP			4.67	4.50	4.14	4.08	3.88	3.81		
Annual energy consumption			kWh	660	747	945	1,578	1,730	2,276	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.64	3.42	3.37	3.23	3.02		
	COP			4.24	4.06	3.76	3.63	3.43	3.22	
	Annual energy consumption		kWh	275	365	490	775	995	1,175	
Energy label		Cooling/Heating		A/A				B/B	B/C	
Casing	Colour			White						
Dimensions	Unit	HeightxWidthxDepth		283x770x198			290x1,050x238			
Weight	Unit			7			12			
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m³/min	9.1/9.1/5.9/4.7	9.2/9.2/6.0/4.8	9.3/9.3/6.1/4.9	14.7/14.7/10.3/9.5	16.2/16.2/11.4/10.2	17.4/17.4/11.6/10.6	
	Heating	High/Nom./Low/Silent operation	m³/min	9.4/7.8/6.3/5.5	9.7/8.0/6.3/5.5	10.1/8.4/6.7/5.7	16.1/13.9/11.5/10.2	17.4/15.1/12.7/11.4	19.7/16.9/14.3/12.7	
Sound power level	Cooling	High/Nom.	dBA	-/55		-/58	59/59	61/60	-/63	
	Heating	High	dBA	55	56	57	58	60	62	
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	39/33/25/22	40/33/26/22	41/34/27/23	43/39/34/31	45/41/36/33	46/42/37/34	
	Heating	High/Nom./Low/Silent operation	dBA	39/34/28/25	40/34/28/25	41/35/29/26	42/38/33/30	44/40/35/32	46/42/37/34	
Piping connections	Liquid	OD	mm	6.35						
	Gas	OD	mm	9.52			12.7		15.9	
	Drain	OD	mm	18						
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240						

Outdoor unit				RX20JV	RX25JV	RX35JV	RX50GV	*RX60GVB	*RX71GVB
Dimensions	Unit	HeightxWidthxDepth		550x658x275					
Weight	Unit			28			30	48	71
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min	29.2/29.2/-		27.60/27.6/-	48.9/48.9/41.7	-/50.9/-	-/54.5/-
	Heating	High/Nom./Low	m³/min	26.2/-/-		24.5/-/-	45.0/-/41.7	-/46.3/-	-/46.0/-
Sound power level	Cooling	Nom.	dBA	60		62	63	62	65
Sound pressure level	Cooling	High/Low	dBA	46/-		48/-	47/44	-/-	
	Heating	High/Low	dBA	47/-		48/-	48/45	-/-	
Operation range	Cooling	Ambient	Min.~Max.	°CDB 10~46			-10~46		-10~46
	Heating	Ambient	Min.~Max.	°CWB -15~18			-15~18		-15~18
Refrigerant	Type/GWP		R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	15			30	-	
	Level difference	IU - OU	Max.	-			20	-	
		IU - IU	Max.	12			-	-	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240					
Current - 50Hz	Maximum fuse amps (MFA)		A	16			20	-	

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data



FDXS-F



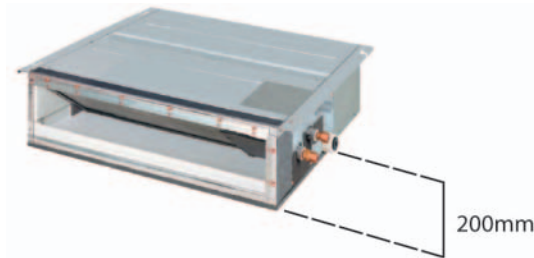
RXS25-35L



BRC1E52A



- > Compact dimensions, can easily be mounted in a ceiling void of only 240mm



- > Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- > Low energy consumption thanks to DC fan motor
- > 3 fan speeds can be freely selected



Heating & Cooling

Indoor unit			FDXS25F	FDXS35F	*FDXS50F9	FDXS60F					
Cooling capacity	Min./Nom./Max.		kW	-/2.4/-	-/3.4/-	-/5.0/-	-/6.0/-				
Heating capacity	Min./Nom./Max.		kW	-/3.2/-	-/4.0/-	-/5.8/-	-/7.0/-				
Power input	Cooling	Nom.	kW	0.65	1.06	1.65	2.06				
	Heating	Nom.	kW	0.80	1.15	1.87	2.18				
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+	A	A	A				
		Pdesign	kW	2.40	3.40	5.00	6.00				
		SEER		5.63	5.21	5.72	5.51				
	Annual energy consumption		kWh	149	228	306	381				
	Heating (Average climate)	Energy label		A+	A	A	A				
		Pdesign	kW	2.60	2.90	4.00	4.60				
SCOP			4.24	3.88	3.93	3.80					
Annual energy consumption		kWh	858	1,047	1,425	1,693					
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.69	3.21	3.03	2.91				
	COP			4.00	3.48	3.10	3.21				
	Annual energy consumption		kWh	325	530	825	1,030				
	Energy label		Cooling/Heating	A/A	A/B	B/D	C/C				
Dimensions	Unit	HeightxWidthxDepth		mm		200x750x620	200x950x620	200x1,150x620			
Weight	Unit			kg		21	27	30			
Fan - Air flow rate	Cooling	High/Nom./Low	m ³ /min	8.7/8.7/7.3		12.0/12.0/10.0		16.0/16.0/13.5			
	Heating	High/Nom./Low	m ³ /min	8.7/8.0/7.3		12.0/11.0/10.0		16.0/14.8/13.5			
Fan - External static pressure	Nom.			Pa		30		40			
Sound power level	Cooling	High		dBA		53		55		56	
	Heating	High		dBA		53		55		56	
Sound pressure level	Cooling	High/Nom./Low	dBA	35/33/27		37/35/29		38/36/30			
	Heating	High/Nom./Low	dBA	35/33/27		37/35/29		38/36/30			
Piping connections	Liquid	OD	mm	6.35		6.35		6.35			
	Gas	OD	mm	9.5		12.7		12.7			
Power supply	Phase / Frequency / Voltage		Hz / V	1 ~ / 50 / 230		1 ~ / 50 / 220-240		1 ~ / 50 / 220-240			

Outdoor unit			*RXS25L	*RXS35L	*RXS50L	*RXS60L			
Dimensions	Unit	HeightxWidthxDepth		mm		550x765x285	735x825x300		
Weight	Unit			kg		34	47	48	
Fan - Air flow rate	Cooling	Nom.	m ³ /min	33.5		36.0		50.9	
	Heating	Nom.	m ³ /min	28.3		45.0		46.3	
Sound power level	Cooling	Nom.		dBA		59		60	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~46			
	Heating	Ambient	Min.~Max.	°CWB		-15~18		-15~20	
Refrigerant	Type/GWP		R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	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) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

The best of two
worlds united

Pure comfort
and design



COMFORT IS KEY



Nexura makes your world a comfortable one. The coolness of a summer breeze or the cosiness of an extra heat source brings a feeling of well-being to your living space all year round. Its unobtrusive yet stylish design with a front panel that radiates additional heat, its low noise level and reduced air flow turn your room into a haven.



FVXG-K



ARC466A2



nexura

- > The aluminium part of the front panel of the Nexura indoor unit has the capability of warming up, just like a traditional radiator, to add even more comfort on cold days
- > Quiet and discrete, Nexura offers you the best in heating and cooling, in comfort and design
- > The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 23dB(A) in cooling and 19dB(A) in radiant heat mode. In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.
- > Comfortable vertical auto swing ensures draughtfree operation and prevents ceiling soiling
- > Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- > Can be installed against a wall or recessed



UNIQUE TECHNOLOGY

Heating & Cooling

Indoor unit				FVXG25K		FVXG35K		FVXG50K	
Cooling capacity	Min./Nom./Max.		kW	1.3/2.5/3.0		1.4/3.5/3.8		1.7/5.0/5.6	
Heating capacity	Min./Nom./Max.		kW	1.3/3.4/4.5		1.4/4.5/5.0		1.7/5.8/8.1	
Power input	Cooling	Nom.	kW						
	Heating	Nom.	kW						
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++				A	
		Pdesign	kW	2.50		3.50		5.00	
		SEER		6.53		6.48		5.41	
		Annual energy consumption	kWh	134		189		324	
	Heating (Average climate)	Energy label		A++				A+	
		Pdesign	kW	2.80		3.10		4.60	
SCOP			4.65		4.00		4.18		
	Annual energy consumption	kWh	842		1,087		1,543		
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER								
	COP								
Annual energy consumption									
	Energy label		Cooling/Heating						
Casing	Colour				Fresh white (6.5Y 9.5/0.5)				
Dimensions	Unit	HeightxWidthxDepth		mm		600x950x215			
Weight	Unit				kg		22		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m ³ /min	8.9/8.9/5.3/4.5		9.1/9.1/5.3/4.5		10.6/10.3/7.3/6.0	
	Heating	High/Nom./Low/Silent operation	m ³ /min	9.9/7.8/5.7/4.7		10.2/8.0/5.8/5.0		12.2/10.0/7.8/6.8	
Sound power level	Cooling	Nom.	dBA	52				58	
	Heating	Nom.	dBA	55		56		58	
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	38/32/26/23		39/33/27/24		44/40/36/32	
	Heating	High/Nom./Low/Silent operation/Radiant heat	dBA	39/32/26/22/19		40/33/27/23/19		46/40/34/30/26	
Piping connections	Liquid	OD	mm			6.35			
	Gas	OD	mm			9.5		12.7	
Power supply	Phase / Frequency / Voltage		Hz / V				1~ / 50 / 220-240		

Outdoor unit				*RXG25L		*RXG35L		*RXG50L		
Dimensions	Unit	HeightxWidthxDepth		mm		550x765x300		735x825x315		
Weight	Unit				kg		34		48	
Sound power level	Cooling	High	dBA	61				63		
Sound pressure level	Cooling	High/Low	dBA	46/43				48/44		
	Heating	High/Low	dBA	47/44				48/45		
Operation range	Cooling	Ambient	Min.-Max. °CDB			10~46				
	Heating	Ambient	Min.-Max. °CWB			-15~20				
Refrigerant	Type/GWP						R-410A/1,975			
Piping connections	Piping length	OU - IU	Max.	m		20		30		
	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				16		20	

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data



FVXS-F



RXS25-35L



ARC452A1



- › Its low height enables the unit to fit perfectly beneath a window
- › Can be installed against a wall or recessed
- › Whisper quiet operation: down to 23dBA sound pressure level
- › Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- › Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen



Heating & Cooling

Indoor unit				FVXS25F		FVXS35F		FVXS50F			
Cooling capacity	Min./Nom./Max.		kW	-/2.5/-		-/3.5/-		-/5.0/-			
Heating capacity	Min./Nom./Max.		kW	-/3.4/-		-/4.5/-		-/5.8/-			
Power input	Cooling	Nom.	kW	0.57		1.02		1.55			
	Heating	Nom.	kW	0.77		1.19		1.60			
Seasonal efficiency (according to EN14825)	Cooling	Energy label				A+					
		Pdesign	kW	2.50		3.50		5.00			
		SEER		5.74		5.60		5.89			
		Annual energy consumption	kWh	152		219		297			
	Heating (Average climate)	Energy label				A+		A			
		Pdesign	kW	2.60		2.90		4.20			
		SCOP		4.58		3.93		3.80			
		Annual energy consumption	kWh	795		1,033		1,546			
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				4.39		3.43		3.23		
	COP				4.42		3.78		3.63		
	Annual energy consumption		kWh	285		510		775			
	Energy label		Cooling/Heating				A/A				
Casing	Colour			White							
Dimensions	Unit	HeightxWidthxDepth		mm		600x700x210					
Weight	Unit			kg							
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation		m³/min		8.2/8.2/4.8/4.1		8.5/8.5/4.9/4.5		10.7/10.7/7.8/6.6	
	Heating	High/Nom./Low/Silent operation		m³/min		8.8/6.9/5.0/4.4		9.4/7.3/5.2/4.7		11.8/10.1/8.5/7.1	
Sound power level	Cooling	High/Nom.		dBA		-/52		55/52		-/60	
	Heating	High		dBA		-		55		57	
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA		38/32/26/23		39/33/27/24		44/40/36/32	
	Heating	High/Nom./Low/Silent operation		dBA		38/32/26/23		39/33/27/24		45/40/36/32	
Piping connections	Liquid	OD		mm		6.35		6.35		6.35	
	Gas	OD		mm		9.5		9.52		12.7	
Power supply	Phase / Frequency / Voltage			Hz / V		1~ / 50 / 220-240					

Outdoor unit				*RXS25L		*RXS35L		*RXS50L				
Dimensions	Unit	HeightxWidthxDepth		mm		550x765x285		735x825x300				
Weight	Unit			kg								
Fan - Air flow rate	Cooling	Nom.		m³/min		33.5		36.0		50.9		
	Heating	Nom.		m³/min		28.3		45.0		45.0		
Sound power level	Cooling		Nom.		dBA		59		60		62	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~46		-10~46		-10~46		
	Heating	Ambient	Min.~Max.	°CWB		-15~18		-15~18		-15~18		
Refrigerant	Type/GWP			R-410A/1,975								
Piping connections	Piping length	OU - IU	Max.	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) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data



- > Can fit on either ceiling or lower wall; its low height enables the unit to fit beneath a window
- > Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- > Whisper quiet operation: down to 28dBA sound pressure level
- > Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen



Heating & Cooling

Indoor unit				FLXS25B	*FLXS35B9	FLXS50B	FLXS60B
Cooling capacity	Min./Nom./Max.		kW	-2.5/-	-3.5/-	-4.9/-	-
Heating capacity	Min./Nom./Max.		kW	-3.4/-	-4.0/-	-6.1/-	-
Power input	Cooling	Nom.	kW	0.65	1.13	1.72	-
	Heating	Nom.	kW	0.96	1.12	1.82	-
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A	B	A	Only available in multi model application
		Pdesign	kW	2.50	3.50	4.90	
		SEER		5.19	4.87	5.25	
		Annual energy consumption	kWh	169	252	326	
	Heating (Average climate)	Energy label		A	A	A	
		Pdesign	kW	2.50	2.90	4.20	
		SCOP		3.80	3.80	3.80	
		Annual energy consumption	kWh	921	1,068	1,546	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.85	3.10	2.85	
	COP			3.54	3.57	3.35	
	Annual energy consumption		kWh	325	565	860	
	Energy label	Cooling/Heating		A/B	B/B	C/C	
Casing	Colour			Almond white	Almond white	Almond white	
Dimensions	Unit	HeightxWidthxDepth	mm	490x1,050x200	490x1,050x200	490x1,050x200	
Weight	Unit		kg	16	16	17	
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m ³ /min	7.6/7.6/6.0/5.2	8.6/8.6/6.6/5.6	11.4/11.4/8.5/7.5	12.0/10.7/9.3/8.3
	Heating	High/Nom./Low/Silent operation	m ³ /min	9.2/8.3/7.4/6.6	9.8/8.9/8.0/7.2	12.1/9.8/7.5/6.8	12.8/10.6/8.4/7.5
Sound power level	Cooling	High/Nom.	dBA	53/51	54/53	63/60	64
	Heating	High	dBA	53	55	62	63
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	37/34/31/28	38/35/32/29	47/43/39/36	48/45/41/39
	Heating	High/Nom./Low/Silent operation	dBA	37/34/31/29	39/36/33/30	46/41/35/33	47/42/37/34
Piping connections	Liquid	OD	mm	6.35	6.35	6.35	
	Gas	OD	mm	9.52	9.52	12.7	
	Drain			-	-	-	18
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220-230	1~ / 50/60 / 220-240/220-230	1~ / 50/60 / 220-240/220-230	

Outdoor unit				*RXS25L	*RXS35L	*RXS50L
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285		735x825x300
Weight	Unit		kg	34		47
Fan - Air flow rate	Cooling	Nom.	m ³ /min	33.5	36.0	50.9
	Heating	Nom.	m ³ /min	28.3		45.0
Sound power level	Cooling	Nom.	dBA	59	60	62
Operation range	Cooling	Ambient	Min.~Max. °CDB	-10~46		Only available in multi model application
	Heating	Ambient	Min.~Max. °CWB	-15~18		
Refrigerant	Type/GWP			R-410A/1,975		
Piping connections	Piping length	OU - IU	Max. 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) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

FTXG-JW/A / RXLG-K

Wall mounted unit
Designed for colder climates



- › Daikin Emura's most obvious asset is its looks. The sober but stylish appearance adds an additional dimension to Daikin's well-known brand values of superior comfort and quality
- › Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white or brushed aluminium
- › Good design award: unique evaluation criterion for industrial design in Japan
- › Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- › Extended operation range down to -25°C in heating



down to
-25°C

Heating & Cooling

Indoor unit			FTXG25JW/A	FTXG35JW/A	FTXG50JW/A	
Cooling capacity	Min./Nom./Max.	kW	1.3/2.5/3.0	1.4/3.5/3.8	1.7/5.0/5.3	
Heating capacity	Min./Nom./Max.	kW	1.3/3.4/4.5	1.4/4.0/5.0	1.7/5.8/6.5	
Power input	Cooling	Min./Nom./Max.	0.35/0.56/0.82	0.36/0.89/1.22	0.45/1.56/1.88	
	Heating	Min./Nom./Max.	0.32/0.78/1.32	0.32/0.99/1.50	0.52/1.60/2.50	
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A++		A	
		Pdesign	2.50	3.50	5.00	
		SEER	6.53	6.51	5.45	
	Heating (Average climate)	Annual energy consumption	kWh	134	188	321
		Energy label	A+		A	
		Pdesign	2.80	3.30	4.60	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		4.46	3.93	3.21	
		COP	4.36	4.04	3.6	
	Annual energy consumption	kWh	280	445	780	
Casing	Colour		White			
Dimensions	Unit	HeightxWidthxDepth	mm 295x915x155			
Weight	Unit		kg 11			
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m ³ /min 8.8/8.8/4.7/3.8	10.1/10.1/4.6/3.9	10.3/10.3/6.7/5.7	
	Heating	High/Nom./Low/Silent operation	m ³ /min 9.6/7.9/6.2/5.4	10.8/8.6/6.4/5.6	11.4/9.8/8.1/7.1	
Sound power level	Cooling	Nom.	dBA 56	60		
	Heating	High	dBA 55	58	60	
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA 38/32/25/22	42/34/26/23	44/40/35/32	
	Heating	High/Nom./Low/Silent operation	dBA 39/34/28/25	42/36/29/26	44/40/35/32	
Piping connections	Liquid	OD	mm 6.35			
	Gas	OD	mm 9.5			
	Drain	OD	mm 16 or 18			
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240			

Outdoor unit			RXLG25K	RXLG35K	RXLG50K
Dimensions	Unit	HeightxWidthxDepth	mm 550x765x285		735x825x300
Weight	Unit		kg 34		48
Fan - Air flow rate	Cooling	High/Nom./Super low	m ³ /min 33.5/33.5/30.1	36.0/36.0/30.1	50.9/50.9/48.9
	Heating	High/Super low	m ³ /min 28.3/25.6		45.0/43.1
Sound power level	Cooling	Nom.	dBA 62	64	63
Sound pressure level	Cooling	High/Silent operation	dBA 46/43	48/44	
	Heating	High/Silent operation	dBA 47/44	48/45	
Operation range	Cooling	Ambient Min.-Max.	°CDB -10~46		
	Heating	Ambient Min.-Max.	°CWB -25~18		
Refrigerant	Type/GWP		R-410A/1,975		
Piping connections	Piping length	OU - IU	m 20		30
	Level difference	IU - OU	m 15		20
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240		
Current - 50Hz	Maximum fuse amps (MFA)	A	16		20

(1) EER/COP according to Eurovent 2012

FVXG-K / RXLG-K

Floor standing unit with radiant heat panel
Designed for colder climates



FVXG-K



RXLG25-35K



ARC466A2



nexura

- > The aluminium part of the front panel of the Nexura indoor unit has the capability of warming up, just like a traditional radiator, to add even more comfort on cold days
- > Quiet and discrete, Nexura offers you the best in heating and cooling, in comfort and design
- > The indoor unit distributes air at the sound of a whisper. The noise produced amounts to barely 23dB(A) in cooling and 19dB(A) in radiant heat mode. In comparison, the ambient sound in a quiet room amounts to 40dB(A) on average.
- > Comfortable vertical auto swing ensures draughtfree operation and prevents ceiling soiling
- > Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- > Can be installed against a wall or recessed
- > Extended operation range down to -25°C in heating



down to
-25°C

Heating & Cooling

Indoor unit			FVXG25K	FVXG35K	FVXG50K	
Cooling capacity	Min./Nom./Max.	kW	1.3/2.5/3.0	1.4/3.5/3.8	1.7/5.0/5.6	
Heating capacity	Min./Nom./Max.	kW	1.3/3.4/4.5	1.4/4.5/5.0	1.7/5.8/8.1	
Power input	Cooling	Min./Nom./Max.	0.30/0.55/0.79	0.31/0.95/1.15	0.45/1.52/2.00	
	Heating	Min./Nom./Max.	0.29/0.78/1.27	0.29/1.21/1.46	0.50/1.58/2.66	
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A++			
		Pdesign	2.50	3.50	5.00	
		SEER	6.46	6.33	5.31	
	Heating (Average climate)	Annual energy consumption	kWh	135	194	330
		Energy label	A+			
		Pdesign	2.80	3.10	4.60	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	Annual energy consumption	SCOP	4.47	3.87	4.08	
		Annual energy consumption	kWh	877	1,122	1,577
		EER	4.55	3.68	3.29 (1)	
Casing	Colour	Fresh white (6.5Y 9.5/0.5)				
		Dimensions	Unit	HeightxWidthxDepth	mm	600x950x215
Weight	Unit	kg				
		22				
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m ³ /min	8.9/8.9/5.3/4.5	9.1/9.1/5.3/4.5	10.6/10.3/7.3/6.0
	Heating	High/Nom./Low/Silent operation	m ³ /min	9.9/7.8/5.7/4.7	10.2/8.0/5.8/5.0	12.2/10.0/7.8/6.8
Sound power level	Cooling	Nom.	dBA	52		
	Heating	Nom.	dBA	55	56	58
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	38/32/26/23	39/33/27/24	44/40/36/32
	Heating	High/Nom./Low/Silent operation/Radiant heat	dBA	39/32/26/22/19	40/33/27/23/19	46/40/34/30/26
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5		
	Drain	OD	mm	18.0		
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240			

Outdoor unit			RXLG25K	RXLG35K	RXLG50K	
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285	735x825x300	
Weight	Unit	kg				
Fan - Air flow rate	Cooling	High/Nom./Super low	m ³ /min	33.5/33.5/30.1	36.0/36.0/30.1	50.9/50.9/48.9
	Heating	High/Super low	m ³ /min	28.3/25.6		45.0/43.1
Sound power level	Cooling	Nom.	dBA	62	64	63
Sound pressure level	Cooling	High/Silent operation	dBA	46/43	48/44	
	Heating	High/Silent operation	dBA	47/44	48/45	
Operation range	Cooling	Ambient	Min.~Max.	°CDB -10~46		
	Heating	Ambient	Min.~Max.	°CWB -25~18		
Refrigerant	Type/GWP	R-410A/1,975				
Piping connections	Piping length	OU - IU	Max.	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	16			

(1) EER/COP according to Eurovent 2012



FTXS20-25K



RXL20-25K



ARC466A6



- Discreet, modern design. Its smooth curve blends beautifully with the wall resulting in an unobtrusive presence that matches all interior décors.
- High quality matt crystal white finish
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- Ideal for installation in bedrooms (20,25 class) and larger or irregular shaped living areas (35,42,50 class)
- 2 area intelligent eye: 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.
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen (35,42,50 class)
- Extended operation range down to -25°C in heating



**down to
-25°C**

Heating & Cooling

Indoor unit			FTXS20K	FTXS25K	FTXS35K	FTXS42K	FTXS50K	
Cooling capacity	Min./Nom./Max.	kW	1.3/2.0 (2)/2.8	1.3/2.5 (2)/3.2	1.4/3.5 (2)/4.0	1.7/4.2 (2)/5.0	1.7/5.0 (2)/5.3	
Heating capacity	Min./Nom./Max.	kW	1.3/2.5 (3)/4.3	1.3/2.8 (3)/4.7	1.4/4.0 (3)/5.2	1.7/5.4 (3)/6.0	1.7/5.8 (3)/6.5	
Power input	Cooling	Min./Nom./Max. kW	0.320/0.430/0.760	0.320/0.570/1.000	0.350/0.840/1.190	0.320/1.180/2.330	350.000/1.410/1.810	
	Heating	Min./Nom./Max. kW	0.310/0.550/1.120	0.310/0.620/1.410	0.340/0.840/1.460	0.400/1.310/1.980	0.300/1.450/2.000	
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A+		A++			
		Pdesign	2.00	2.50	3.50	4.20	5.00	
		SEER	5.70	6.37	7.08	6.67	6.72	
	Heating (Average climate)	Annual energy consumption	kWh	123	137	173	220	261
		Energy label	A++		A+		A+	
		Pdesign	2.30	2.50	3.60	4.00	4.60	
		SCOP	4.62	4.51	4.63	4.03	4.06	
		Annual energy consumption	kWh	698	775	1,087	1,389	1,586
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		4.65 (1)	4.39 (1)	4.07 (1)	3.56 (1)	3.55 (1)	
	COP		4.55 (1)	4.52 (1)	4.76 (1)	4.12 (1)	4.00 (1)	
Annual energy consumption	Annual energy consumption	kWh	215	285	420	590	750	
	Energy label	Cooling/Heating	A/A					
Casing	Colour		White					
Dimensions	Unit	HeightxWidthxDepth	289x780x215			298x900x215		
	Unit		8			11		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m ³ /min	8.8/8.8/4.7/3.9	9.1/9.1/5.0/3.9	11.2/11.2/5.8/4.1	11.2/11.2/7.0/4.1	11.9/11.9/7.4/4.5
	Heating	High/Nom./Low/Silent operation	m ³ /min	9.5/7.8/6.0/4.3	10.0/8.0/6.0/4.3	12.1/9.3/6.5/4.2	12.4/10.0/7.8/5.2	13.3/10.8/8.4/5.5
Sound power level	Cooling	Nom.	dBA	58		59		60
	Heating	Nom.	dBA	58		59		60
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	40/32/24/19	41/33/25/19	45/37/29/19	45/39/33/21	46/40/34/23
	Heating	High/Nom./Low/Silent operation	dBA	40/34/27/19	41/34/27/19	45/39/29/19	45/39/33/22	47/40/34/24
Piping connections	Liquid	OD	mm	6.35				
	Gas	OD	mm	9.5				
	Drain	OD	mm	18.0				
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240					

Outdoor unit			RXL20K	RXL25K	RXL35K	RXL42K	RXL50K	
Dimensions	Unit	HeightxWidthxDepth	550x765x285			735x825x300		
Weight	Unit		34			39		
Fan - Air flow rate	Cooling	High/Nom./Low/Super low	m ³ /min	33.5/33.5/30.1/-		36.0/36.0/-/30.1	37.3/37.3/-/30.6	50.9/50.9/-/48.9
	Heating	High/Nom./Low/Super low	m ³ /min	28.3/-/25.6/-		28.3/28.3/-/25.6	31.3/31.3/-/27.2	45.0/45.0/-/43.1
Sound power level	Cooling	Nom.	dBA	61	62	61		
Sound pressure level	Cooling	High/Silent operation	dBA	46/43		48/44		
	Heating	High/Silent operation	dBA	47/44		48/45		
Operation range	Cooling	Ambient Min.~Max.	°CDB		-10~46			
	Heating	Ambient Min.~Max.	°CWB		-25~18			
Refrigerant	Type/GWP		R-410A/1,975					
Piping connections	Piping length	OU - IU	Max.	20				
	Level difference	IU - OU	Max.	15				
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240			1~ / 50 / 220-230-240		
Current - 50Hz	Maximum fuse amps (MFA)	A	10			20		

(1) EER/COP according to Eurovent 2012



FVXS-F



RXL25K



ARC452A1



- › Its low height enables the unit to fit perfectly beneath a window
- › Can be installed against a wall or recessed
- › Whisper quiet operation: down to 23dBA sound pressure level
- › Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- › Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen
- › Extended operation range down to -25°C in heating



**down to
-25°C**

Heating & Cooling

Indoor unit			FVXS25F	FVXS35F	FVXS50F	
Cooling capacity	Min./Nom./Max.	kW	1.3/2.5 /3.0	1.4/3.5 /3.8	1.4/5.0 /5.6	
Heating capacity	Min./Nom./Max.	kW	1.3/3.4 /4.5	1.4/4.5 /5.0	1.4/5.8 /8.1	
Power input	Cooling	Min./Nom./Max. kW	0.30/0.57/0.92	0.30/1.02/1.25	0.50/1.55/2.00	
	Heating	Min./Nom./Max. kW	0.29/0.79/1.39	0.31/1.22/1.88	0.50/1.60/2.60	
Seasonal efficiency (according to EN14825)	Cooling	Energy label	B	A	A+	
		Pdesign	kW	2.50	3.50	5.00
		SEER		4.71	5.40	5.89
		Annual energy consumption	kWh	186	227	297
	Heating (Average climate)	Energy label	A+	A		
		Pdesign	kW	2.60	2.90	4.80
		SCOP		4.28	3.80	
		Annual energy consumption	kWh	850	1,069	1,798
Nominal efficiency (cooling at 35°/27°)	EER		4.39	3.43	3.23	
	COP		4.30	3.69	3.63	
nominal load, heating at 7°/20° nominal load)	Annual energy consumption	kWh	285	510	775	
	Energy label	Cooling/Heating		A/A		
Casing	Colour		White			
Dimensions	Unit	HeightxWidthxDepth	600x700x210			
	Unit		mm			
Weight	Unit		kg			
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m ³ /min	8.2/8.2/4.8/4.1	8.5/8.5/4.9/4.5	10.7/10.7/7.8/6.6
	Heating	High/Nom./Low/Silent operation	m ³ /min	8.8/6.9/5.0/4.4	9.4/7.3/5.2/4.7	11.8/10.1/8.5/7.1
Sound power level	Cooling	High/Nom.	dBA	-/52	55/52	-/60
	Heating	High	dBA	-	55	57
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	38/32/26/23	39/33/27/24	44/40/36/32
	Heating	High/Nom./Low/Silent operation	dBA	38/32/26/23	39/33/27/24	45/40/36/32
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5		
	Drain	OD	mm	20.0		
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240			

Outdoor unit			RXL25K	RXL35K	RXL50K	
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285	735x825x300	
Weight	Unit		kg	34	47	
Fan - Air flow rate	Cooling	High/Nom./Low/Super low	m ³ /min	33.5/33.5/30.1/-	36.0/36.0/-/30.1	50.9/50.9/-/48.9
	Heating	High/Nom./Low/Super low	m ³ /min	28.3/-/25.6/-	28.3/28.3/-/25.6	45.0/45.0/-/43.1
Sound power level	Cooling	Nom.	dBA	62	61	63
Sound pressure level	Cooling	High/Silent operation	dBA	46/43		48/44
	Heating	High/Silent operation	dBA	47/44		48/45
Operation range	Cooling	Ambient Min.~Max.	°CDB	-10~46		
	Heating	Ambient Min.~Max.	°CWB	-25~18		
Refrigerant	Type/GWP		R-410A/1,975			
Piping connections	Piping length	OU - IU Max.	m	20		
	Level difference	IU - OU Max.	m	15		
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240		1~ / 50 / 220-230-240	
Current - 50Hz	Maximum fuse amps (MFA)	A	10		20	

(1) EER/COP according to Eurovent 2012



Multi model applications

MXS

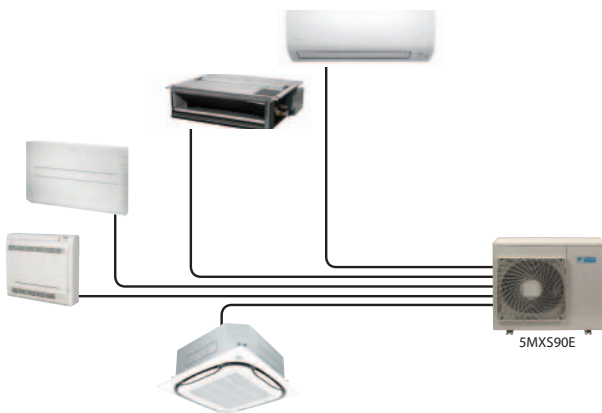
INSTALLATION FLEXIBILITY

A very wide range is available, from 2-port to 5-port units, making all applications possible. Up to 5 indoor units can be connected to 1 multi outdoor unit. All indoor units can be individually controlled with remote control and do not need to be installed in the same room or even at the same time. The outdoor units are neat and sturdy and can be mounted easily on a roof or terrace or simply placed against an outside wall.

WIDE CHOICE

It is possible to combine different types of indoor units: wall mounted, floor standing, round flow cassette, ceiling suspended, flexi type, concealed ceiling, 4-way blow cassette.

Outdoor multi split units are fitted with the Daikin swing compressor, renowned for its low noise and high energy efficiency.



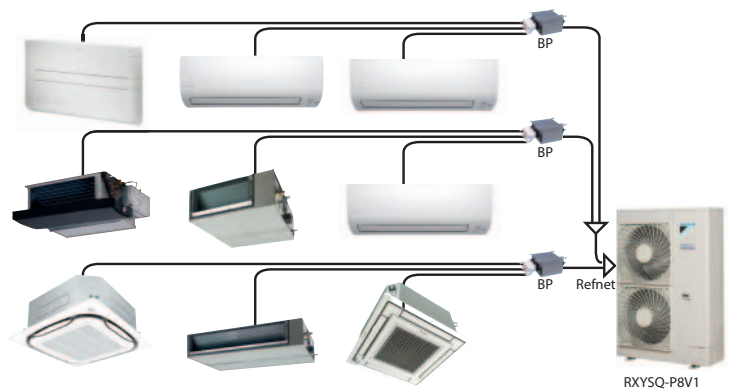
RXYSQ

INSTALLATION FLEXIBILITY

Up to 9 indoor units can be connected to 1 multi outdoor unit. All indoor units can be individually controlled with remote control and do not need to be installed in the same room or even at the same time. Narrow refrigerant piping makes handling and connecting easier, resulting in significantly reduced installation time. The REFNET joint reduces the amount of work involved in installation and increases the reliability of the system. A maximum total piping length of 145m offers much more flexibility in the choice of installation position for the indoor units and greatly simplifies system planning. The Branch Provider (BP) unit varies the refrigerant volume to meet the cooling or heating requirements of a room.

WIDE CHOICE

It is possible to combine different types of indoor units: wall mounted, floor standing, round flow cassette, ceiling suspended, flexi type, concealed ceiling.





- > Wide range from 2 to 5 port units
- > Possibility to connect up to 5 indoor units
- > 3-port 40 multi outdoor unit gives an answer to lower capacity requirements of better insulated houses. The 15-class wall mounted allows efficient distribution of the lower capacity of the multi outdoor unit.
- > All indoor units can be individually controlled and do not need to be installed in the same room or even at the same time
- > Outdoor units are fitted with a Daikin swing compressor renowned for its low noise and high energy efficiency
- > Possibility to combine different types of indoor units: wall mounted, floor standing, concealed ceiling, ceiling suspended units, round flow or 4-way blow cassettes



Heating & Cooling

CONNECTABLE INDOOR UNITS	Wall mounted												Floor standing						Flexi type			Round flow cassette			Fully flat cassette			Concealed ceiling						Ceiling suspended																	
	FTXG-L				CTXS-K				FTXS-K				FTXS-G		FTX-JV		FVXG-K			FVXS-F			FLXS-B(9)			FCQG-F			FFQ-C			FDXS-F(9)				FDBQ-B/FBQ-C8		FHQ-C													
	20	25	35	50	15	35	20	25	35	42	50	60	71	20	25	35	25	35	50	25	35	50	25	35	50	60	35	50	60	25	35	50	60	25	35	50	60	25	35	50	60	35	50	60							
2MXS40H	●	●	●		●	●	●	●					●	●	●	●	●	●	●	●	●	●	●	●					●	●	●					●	●														
2MXS50H	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●												
3MXS40K	●	●	●		●	●	●	●								●	●	●	●	●	●	●	●	●		●	●	●				●	●	●	●	●	●	●	●	●	●										
3MXS52E	●	●	●	●	●	●	●	●	●	●						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
3MXS68G	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
4MXS68F	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
4MXS80E	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				
5MXS90E	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				

Heating & Cooling



Outdoor unit				2MXS40H	2MXS50H	3MXS40K	3MXS52E	3MXS68G	4MXS68F	4MXS80E	5MXS90E			
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285			735x936x300			770x900x320				
Weight	Unit		kg	38	42	49			58	72	73			
Fan - Air flow rate	Cooling	High/Nom./Low	m ³ /min	36/33/30	37/34/34	45/45/41	45/45/45	52.7/49.4/43.5		54.5/-/46.0	57.1/54.5/46.0			
	Heating	High/Nom./Low	m ³ /min	32/32/32	34/34/34	45/-/41		46.4/44.5/16.3		46.0/-/14.7	52.5/-/14.7			
Sound power level	Cooling	Nom.	dB(A)	62	63	59		61		62	66			
	Sound pressure level	Cooling	Nom.	dB(A)	47	48	46		48		52			
Operation range	Heating	Nom.	dB(A)	48	50	47		49		52				
	Cooling	Ambient	Min.~Max. °CDB	10~46			-10~46							
	Heating	Ambient	Min.~Max. °CWB				-15~18			-15~15.5				
Refrigerant	Type/GWP	R-410A/1,975												
Piping connections	Piping length	OU - IU	Max.	20			25							
	Level difference	IU - OU	Max.	15										
		IU - IU	Max.	7.5										
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240			1~ / 50 / 230								
Current - 50Hz	Maximum fuse amps (MFA)	A	16			20								

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (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
2MXS40H3V1B	1.5+1.5	1.5	1.5	1.75	3.0	3.57	0.35	0.66	0.83	1.60	3.1	3.80	94	4.55	A	330	A++	6.13	3.00	172
	1.5+2.0	1.5	2.0	1.75	3.5	3.96	0.35	0.81	0.99	1.60	3.7	4.60	94	4.32	A	405	A++	6.33	3.50	194
	1.5+2.5	1.5	2.5	1.75	4.0	4.22	0.35	1.02	1.12	1.60	4.7	5.20	94	3.92	A	510	A++	6.47	4.00	217
	1.5+3.5	1.2	2.8	1.75	4.0	4.34	0.35	0.99	1.14	1.60	4.6	5.30	94	4.04	A	495	A++	6.42	4.00	218
	2.0+2.0	2.0	2.0	1.75	4.0	4.20	0.31	1.04	1.12	1.40	4.8	5.20	94	3.85	A	520	A++	6.61	4.00	212
	2.0+2.5	1.9	2.2	1.75	4.0	4.30	0.31	1.03	1.17	1.40	4.8	5.40	94	3.88	A	515	A++	6.63	4.00	212
	2.0+3.5	1.8	2.3	1.75	4.0	4.50	0.31	1.00	1.23	1.40	4.6	5.70	94	4.00	A	500	A++	6.52	4.00	215
	2.5+2.5	2.0	2.0	1.75	4.0	4.40	0.31	1.02	1.23	1.40	4.7	5.70	94	3.92	A	510	A++	6.64	4.00	211
2.5+3.5	1.8	2.2	1.75	4.0	4.60	0.31	0.99	1.31	1.40	4.6	6.10	94	4.04	A	495	A++	6.53	4.00	215	

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (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
2MXS40H3V1B	1.5+1.5	1.9	1.9	1.30	3.8	4.26	0.30	0.90	1.11	1.40	4.1	5.10	95	4.22	A	A+	4.06	3.01	1038	0,57
	1.5+2.0	1.7	2.3	1.30	4.0	4.44	0.30	0.95	1.15	1.40	4.3	5.30	95	4.21	A	A+	4.10	3.03	1035	0,59
	1.5+2.5	1.6	2.6	1.30	4.2	4.58	0.30	1.02	1.22	1.40	4.7	5.60	95	4.12	A	A+	4.11	3.03	1032	0,58
	1.5+3.5	1.3	3.1	1.30	4.4	4.70	0.29	1.09	1.20	1.30	5.0	5.50	95	4.04	A	A+	4.16	3.00	1011	0,59
	2.0+2.0	2.1	2.1	1.40	4.2	4.60	0.27	1.01	1.17	1.20	4.6	5.40	95	4.16	A	A+	4.12	3.03	1029	0,58
	2.0+2.5	2.1	2.3	1.40	4.4	4.70	0.27	1.08	1.21	1.20	4.9	5.50	96	4.07	A	A+	4.13	3.03	1028	0,58
	2.0+3.5	2.0	2.4	1.40	4.4	4.70	0.26	1.06	1.19	1.20	4.8	5.40	96	4.15	A	A+	4.14	2.97	1004	0,56
	2.5+2.5	2.2	2.2	1.40	4.4	4.70	0.27	1.07	1.20	1.20	4.8	5.40	96	4.11	A	A+	4.18	3.03	1016	0,58
2.5+3.5	2.1	2.4	1.40	4.4	4.70	0.26	1.05	1.18	1.20	4.8	5.30	96	4.19	A	A+	4.13	2.96	1003	0,56	

- Notes: 1. Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature). 35°CDB/Outdoor temperature).
 Heating capacity is based on 20°CDB (Indoor temperature). 7°CDB/6°CWB(Outdoor temperature).
 2. The total ability of connected a indoor unit is up to 6.0kW.
 3. It is impossible to connect the indoor unit for one room only.
 4. The above is the value for connecting with the following indoor units.
 1.5kW: wall mounted CTXS-K series; 2.0, 2.5, 3.5kW: wall mounted FTXS-K series

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (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
2MXS50H3V1B	1.5+1.5	1.50	1.50	1.88	3.00	3.15	0.33	0.55	0.58	1.60	2.60	2.80	91	5.45	A	275	A++	6.42	3.00	164
	1.5+2.0	1.50	2.00	1.88	3.50	3.73	0.32	0.67	0.75	1.50	3.20	3.60	91	5.22	A	335	A++	6.74	3.50	182
	1.5+2.5	1.50	2.50	1.88	4.00	4.23	0.32	0.87	0.97	1.50	4.20	4.60	91	4.60	A	435	A++	6.68	4.00	210
	1.5+3.5	1.50	3.50	1.88	5.00	5.00	0.32	1.35	1.35	1.50	6.50	6.50	91	3.70	A	675	A++	6.43	5.00	273
	1.5+4.2	1.32	3.68	1.95	5.00	5.37	0.34	1.35	1.67	1.60	6.50	8.00	91	3.70	A	675	A++	6.46	5.00	271
	1.5+5.0	1.15	3.85	1.95	5.00	5.50	0.34	1.35	1.81	1.60	6.50	8.60	91	3.70	A	675	A++	6.45	5.00	272
	2.0+2.0	2.00	2.00	1.95	4.00	5.00	0.34	0.87	1.36	1.60	4.20	6.50	91	4.60	A	435	A++	6.73	4.00	208
	2.0+2.5	2.00	2.50	1.95	4.50	5.10	0.34	1.07	1.45	1.60	5.10	6.90	91	4.21	A	535	A++	6.70	4.50	235
	2.0+3.5	1.82	3.18	1.95	5.00	5.40	0.34	1.35	1.62	1.60	6.50	7.70	91	3.70	A	675	A++	6.50	5.00	270
	2.0+4.2	1.61	3.39	1.95	5.00	5.50	0.34	1.34	1.73	1.60	6.40	8.30	91	3.73	A	670	A++	6.53	5.00	269
	2.0+5.0	1.43	3.57	1.95	5.00	5.50	0.34	1.31	1.71	1.60	6.30	8.20	91	3.82	A	655	A++	6.51	5.00	269
	2.5+2.5	2.50	2.50	1.95	5.00	5.30	0.34	1.38	1.61	1.60	6.60	7.70	91	3.62	A	690	A++	6.61	5.00	265
	2.5+3.5	2.08	2.92	1.95	5.00	5.40	0.34	1.34	1.61	1.60	6.40	7.70	91	3.73	A	670	A++	6.52	5.00	269
	2.5+4.2	1.87	3.13	1.95	5.00	5.50	0.34	1.33	1.72	1.60	6.40	8.20	91	3.76	A	665	A++	6.53	5.00	268
	2.5+5.0	1.67	3.33	1.95	5.00	5.50	0.34	1.30	1.70	1.60	6.20	8.10	91	3.85	A	650	A++	6.53	5.00	269
	3.5+3.5	2.50	2.50	1.98	5.00	5.40	0.34	1.29	1.55	1.60	6.20	7.40	91	3.88	A	645	A++	6.44	5.00	272
	3.5+4.2	2.27	2.73	1.98	5.00	5.50	0.34	1.28	1.65	1.60	6.10	7.90	91	3.91	A	640	A++	6.45	5.00	272
	3.5+5.0	2.06	2.94	1.98	5.00	5.50	0.34	1.27	1.62	1.60	6.10	7.70	91	3.94	A	635	A++	6.44	5.00	272
4.2+4.2	2.50	2.50	1.98	5.00	5.50	0.34	1.27	1.62	1.60	6.10	7.70	91	3.94	A	635	A++	6.47	5.00	271	

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (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
2MXS50H3V1B	1.5+1.5	1.99	1.99	1.17	3.97	4.54	0.22	0.95	1.20	1.1	4.5	5.7	91	4.18	A	A	3.95	3.3	1169	0.64
	1.5+2.0	1.9	2.53	1.17	4.43	4.89	0.22	1.08	1.29	1.1	5.2	6.2	91	4.10	A	A	3.97	3.32	1172	0.64
	1.5+2.5	1.81	3.02	1.17	4.83	5.19	0.23	1.16	1.39	1.1	5.5	6.6	91	4.16	A	A	3.98	3.88	1364	0.75
	1.5+3.5	1.64	3.82	1.17	5.46	5.7	0.23	1.39	1.60	1.1	6.6	7.6	91	3.93	A	A+	4.09	4.25	1454	0.81
	1.5+4.2	1.5	4.2	1.17	5.7	5.96	0.24	1.41	1.53	1.1	6.7	7.3	91	4.04	A	A+	4.06	4.39	1515	0.84
	1.5+5.0	1.32	4.38	1.17	5.7	6.16	0.24	1.44	1.62	1.1	6.9	7.7	91	3.96	A	A+	4.04	4.37	1514	0.83
	2.0+2.0	2.65	2.65	1.18	5.3	5.7	0.23	1.34	1.51	1.1	6.4	7.2	91	3.96	A	A	3.99	3.89	1367	0.75
	2.0+2.5	2.44	3.06	1.18	5.5	5.8	0.23	1.37	1.52	1.1	6.5	7.3	91	4.01	A	A+	4	3.9	1365	0.75
	2.0+3.5	2.04	3.56	1.24	5.6	5.9	0.24	1.39	1.55	1.1	6.6	7.4	91	4.03	A	A+	4.12	4.27	1453	0.81
	2.0+4.2	1.84	3.86	1.25	5.7	6	0.25	1.35	1.50	1.2	6.5	7.2	91	4.22	A	A+	4.09	4.41	1509	0.86
	2.0+5.0	1.63	4.07	1.29	5.7	6.2	0.25	1.38	1.55	1.2	6.6	7.4	91	4.13	A	A+	4.07	4.39	1510	0.86
	2.5+2.5	2.8	2.8	1.18	5.6	5.8	0.23	1.42	1.52	1.1	6.8	7.3	91	3.94	A	A+	4	4.19	1466	0.8
	2.5+3.5	2.38	3.32	1.24	5.7	6	0.25	1.41	1.58	1.2	6.7	7.5	91	4.04	A	A+	4.1	4.41	1507	0.86
	2.5+4.2	2.13	3.57	1.25	5.7	6.1	0.25	1.36	1.51	1.2	6.5	7.2	91	4.19	A	A+	4.11	4.42	1506	0.86
	2.5+5.0	1.9	3.8	1.35	5.7	6.3	0.26	1.35	1.56	1.2	6.5	7.5	91	4.22	A	A+	4.09	4.4	1508	0.86
	3.5+3.5	2.85	2.85	1.3	5.7	6.1	0.25	1.46	1.63	1.2	7	7.8	91	3.90	A	A+	4.3	4.5	1467	0.87
	3.5+4.2	2.59	3.11	1.31	5.7	6.2	0.26	1.38	1.51	1.2	6.6	7.2	91	4.13	A	A+	4.28	4.51	1476	0.87
	3.5+5.0	2.35	3.35	1.35	5.7	6.4	0.27	1.38	1.56	1.3	6.6	7.5	91	4.13	A	A+	4.21	4.49	1493	0.87
4.2+4.2	2.85	2.85	1.32	5.7	6.3	0.23	1.31	1.50	1.1	6.3	7.2	91	4.35	A	A+	4.29	4.52	1475	0.88	

- Notes: 1. Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature), 35°CDB (Outdoor temperature).
 Heating capacity is based on 20°CDB (Indoor temperature), 7°CDB/6°CWB (Outdoor temperature).
 2. The total ability of connected a indoor unit is up to 8.5kW.
 3. It is impossible to connect the indoor unit for one room only.
 4. The above is the value for connecting with the following indoor units.
 1.5kW: wall mounted CTXS-K series; 2.0, 2.5, 3.5, 4.2, 5.0kW: wall mounted FTXS-K series

COOLING

Table with columns: OUTDOOR UNIT, INDOOR UNIT, COOLING CAPACITY (kW), TOTAL CAPACITY (kW), POWER INPUT COOLING (kW), TOTAL CURRENT (A), POWER FACTOR (%), EER, ENERGY LABEL, AEC (kWh), and Seasonal data (label, SEER, Pdesign, AEC). Rows list various indoor unit configurations for the 4MXS80E3V3B outdoor unit.

Notes: 1. Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature), 35°CDB (Outdoor temperature). Heating capacity is based on 20°CDB (Indoor temperature), 7°CDB/6°CWB (Outdoor temperature). 2. The total ability of connected a indoor unit is up to 14.5kW.

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT COOLING (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
4MXS80E3V3B	25+25+3.5+5.0	1,48	1,48	2,07	2,96	3,16	8,00	9,58	0,71	2,52	3,63	3,1	11,2	16,1	98	3,17	B	1260	A++	6.18	8.00	454
	25+25+3.5+6.0	1,38	1,38	1,93	3,31	3,30	8,00	9,60	0,72	2,28	3,29	3,2	10,1	14,6	98	3,51	A	1140	A++	6.27	8.00	447
	25+25+4.2+4.2	1,49	1,49	2,51	2,51	3,15	8,00	9,57	0,71	2,58	3,69	3,1	11,4	16,4	98	3,10	B	1290	A++	6.18	8.00	454
	25+25+4.2+5.0	1,41	1,41	2,37	2,82	3,26	8,00	9,60	0,71	2,52	3,63	3,1	11,2	16,1	98	3,17	B	1260	A++	6.18	8.00	454
	25+3.5+3.5+3.5	1,54	2,15	2,15	2,15	3,09	8,00	9,35	0,71	2,58	3,30	3,1	11,4	14,6	98	3,10	B	1290	A++	6.11	8.00	459
	25+3.5+3.5+4.2	1,46	2,04	2,04	2,45	3,19	8,00	9,59	0,71	2,58	3,77	3,1	11,4	16,7	98	3,10	B	1290	A++	6.11	8.00	459
	25+3.5+3.5+5.0	1,38	1,93	1,93	2,76	3,30	8,00	9,60	0,75	2,52	3,63	3,3	11,2	16,1	98	3,17	B	1260	A++	6.11	8.00	459
	25+3.5+4.2+4.2	1,39	1,94	2,33	2,33	3,29	8,00	9,60	0,75	2,58	3,77	3,3	11,4	16,7	98	3,10	B	1290	A++	6.11	8.00	459
	35+3.5+3.5+3.5	2,00	2,00	2,00	2,00	3,23	8,00	9,60	0,71	2,58	3,77	3,1	11,4	16,7	98	3,10	B	1290	A+	6.04	8.00	464

- Notes: 1. Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature), 35°CDB (Outdoor temperature). Heating capacity is based on 20°CDB (Indoor temperature), 7°CDB/6°CWB (Outdoor temperature).
 2. The total ability of connected a indoor unit is up to 14.5kW.
 3. It is impossible to connect the indoor unit for one room only.
 4. The above is the value for connecting with the following indoor units.
 1.5kW: wall mounted CTXS-K series; 2.0, 2.5, 3.5, 4.2, 5.0kW: wall mounted FTXS-K series
 6.0, 7.1 kW class; wall mounted G series

HEATING

Table with columns: OUTDOOR UNIT, INDOOR UNIT, HEATING CAPACITY (kW), TOTAL CAPACITY (kW), POWER INPUT COOLING (kW), TOTAL CURRENT (A), POWER FACTOR (%), COP, ENERGY LABEL, and Seasonal data. The table lists various indoor unit configurations for the 4MXS80E3V3B outdoor unit.

Notes: 1. Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature), 35°CDB (Outdoor temperature). Heating capacity is based on 20°CDB (Indoor temperature), 7°CDB/6°CWB (Outdoor temperature). 2. The total ability of connected a indoor unit is up to 14.5kW. 3. It is impossible to connect the indoor unit for one room only. 4. The above is the value for connecting with the following indoor units. 1.5kW: wall mounted CTXS-K series; 2.0, 2.5, 3.5, 4.2, 5.0kW: wall mounted FTXS-K series 6.0, 7.1 kW class; wall mounted G series

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT COOLING (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
4MXS80E3V3B	25+25+35+50	1.78	1.78	2.49	3.55	4.23	9.60	10.86	0.71	2.18	2.71	3.1	9.7	12.0	98	4.40	A	A+	4.14	6.22	2105	1.20
	25+25+35+60	1.66	1.66	2.32	3.96	4.50	9.60	11.09	0.72	2.10	2.63	3.2	9.3	11.7	98	4.57	A	A+	4.26	6.22	2047	1.19
	25+25+42+42	1.79	1.79	3.01	3.01	4.20	9.60	10.75	0.71	2.26	2.70	3.1	10.0	12.0	98	4.25	A	A+	4.19	6.22	2078	1.20
	25+25+42+50	1.69	1.69	2.85	3.37	4.42	9.60	10.87	0.76	2.17	2.71	3.4	9.6	12.0	98	4.42	A	A+	4.16	6.22	2092	1.20
	25+35+35+35	1.86	2.58	2.58	2.58	4.09	9.60	10.74	0.71	2.26	2.71	3.1	10.0	12.0	98	4.25	A	A+	4.22	6.22	2066	1.19
	25+35+35+42	1.76	2.45	2.45	2.94	4.28	9.60	10.75	0.74	2.26	2.70	3.3	10.0	12.0	98	4.25	A	A+	4.25	6.22	2051	1.19
	25+35+35+50	1.65	2.32	2.32	3.31	4.50	9.60	10.87	0.76	2.17	2.71	3.4	9.6	12.0	98	4.42	A	A+	4.22	6.22	2066	1.20
	25+35+42+42	1.67	2.33	2.80	2.80	4.47	9.60	10.75	0.78	2.26	2.70	3.5	10.0	12.0	98	4.25	A	A+	4.25	6.22	2051	1.19
35+35+35+35	2.40	2.40	2.40	2.40	4.36	9.60	10.75	0.76	2.26	2.70	3.4	10.0	12.0	98	4.25	A	A+	4.31	6.22	2021	1.19	

- Notes: 1. Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature). 35°CDB (Outdoor temperature).
 Heating capacity is based on 20°CDB (Indoor temperature). 7°CDB/6°CWB (Outdoor temperature).
 2. The total ability of connected a indoor unit is up to 14.5kW.
 3. It is impossible to connect the indoor unit for one room only.
 4. The above is the value for connecting with the following indoor units.
 1.5kW: wall mounted CTXS-K series; 2.0, 2.5, 3.5, 4.2, 5.0kW: wall mounted FTXS-K series
 6.0, 7.1 kW class; wall mounted G series

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT COOLING (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
5MXS90E3VB3	20+25+7.1	1.50	1.87	5.31	---	---	3.11	8.68	9.30	0.64	2.95	3.36	2.8	13.1	14.9	98	2.94	C	1475	A++	6.29	8.68	484
	20+35+3.5	1.73	3.02	3.02	---	---	2.73	7.77	8.47	0.57	2.69	3.13	2.5	11.9	13.9	98	2.89	C	1345	A+	6.05	7.77	450
	20+35+4.2	1.65	2.89	3.47	---	---	2.83	8.01	8.48	0.60	2.81	3.13	2.7	12.5	13.9	98	2.85	C	1405	A+	5.99	8.01	469
	20+35+5.0	1.58	2.77	3.95	---	---	2.95	8.30	8.66	0.61	2.96	3.16	2.7	13.1	14.0	98	2.80	C	1480	A+	5.96	8.30	488
	20+35+6.0	1.50	2.63	4.52	---	---	3.10	8.65	9.29	0.64	2.95	3.36	2.8	13.1	14.9	98	2.93	C	1475	A++	6.21	8.65	488

- Notes:
- Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature), 35°CDB (Outdoor temperature). Heating capacity is based on 20°CDB (Indoor temperature), 7°CDB/6°CWB (Outdoor temperature).
 - The total ability of connected a indoor unit is up to 14.5kW.
 - It is impossible to connect the indoor unit for one room only.
 - The above is the value for connecting with the following indoor units.
 1.5kW: wall mounted CTXS-K series; 2.0, 2.5, 3.5, 4.2, 5.0kW: wall mounted FTXS-K series
 6.0, 7.1 kW class; wall mounted G series

HEATING

Table with columns: OUTDOOR UNIT, INDOOR UNIT, HEATING CAPACITY (kW) [A ROOM, B ROOM, C ROOM, D ROOM, E ROOM], TOTAL CAPACITY (kW) [Min., Nom., Max.], POWER INPUT COOLING (kW) [Min., Nom., Max.], TOTAL CURRENT (A) [Min., Nom., Max.], POWER FACTOR (%), COP, ENERGY LABEL, and Seasonal data [label, SCOP, Pdesign, AEC, Back-up heater capacity at -10°C].

Notes: 1. Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature), 35°CDB (Outdoor temperature). Heating capacity is based on 20°CDB (Indoor temperature), 7°CDB/6°CWB (Outdoor temperature). 2. The total ability of connected a indoor unit is up to 14.5kW. 3. It is impossible to connect the indoor unit for one room only. 4. The above is the value for connecting with the following indoor units. 1.5kW: wall mounted CTXS-K series; 2.0, 2.5, 3.5, 4.2, 5.0kW: wall mounted FTXS-K series 6.0, 7.1 kW class; wall mounted G series

SPLIT



- > Energy efficient heating system based on air source heat pump technology
- > Low energy bills and low CO₂ emissions
- > Possibility to connect up to 9 indoor units
- > All indoor units can be individually controlled and do not need to be installed in the same room or even at the same time
- > Possibility to combine different types of indoor units: wall mounted, floor standing, concealed ceiling, ceiling suspended units, round flow or 4-way blow cassettes
- > Slim design for flexible installation
- > 3 steps in night quiet mode: step 1: 47dBA, step 2: 44 dBA, step 3: 41 dBA
- > Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- > Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand



Heating & Cooling

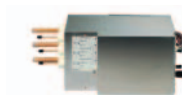
CONNECTABLE INDOOR UNITS	Wall mounted												Floor standing						Flexi type				Round flow cassette			Fully flat cassette				Concealed ceiling						Ceiling suspended										
	FTXG-L				CTXS-K				FTXS-K				FTXS-G		FVXG-K		FVXS-F		FLXS-B(9)				FCQG-F			FFQ-C				FDXS-F(9)						FDBQ-B / FBQ-C8		FHQ-C								
	20	25	35	50	15	35	20	25	35	42	50	60	71	25	35	50	25	35	50	25	35	50	60	35	50	60	25	35	50	60	25	35	50	60	25	35	50	60	35	50	60					
RXYSQ-P8V1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



Heating & Cooling

Outdoor unit				RXYSQ4P8V1				RXYSQ5P8V1				RXYSQ6P8V1						
Capacity range				HP			4				5				6			
Cooling capacity	Nom.			kW			12.6				14.0				15.5			
Heating capacity	Nom.			kW			14.2				16.0				18.0			
Power input - 50Hz	Cooling	Nom.		kW		3.24				3.51				4.53				
	Heating	Nom.		kW		3.12				3.86				4.57				
EER							3.89				3.99				3.42			
COP							4.55				4.15				3.94			
Maximum number of connectable indoor units				8 (1) / 8 (2)				10 (1) / 9 (2)				12 (1) / 9 (2)						
Indoor index connection	Min.			50			62.5				70							
	Nom.																	
	Max.			130			162.5				182							
Dimensions	Unit	HeightxWidthxDepth		mm			1,345x900x320											
Weight	Unit			kg			120											
Fan	Air flow rate	Cooling	Nom.	m ³ /min														
Sound power level	Cooling	Nom.		dBA			66				67				69			
	Heating	Nom.		dBA			50				51				53			
Sound pressure level	Cooling	Nom.		dBA			52				53				55			
	Heating	Nom.		dBA														
Operation range	Cooling	Min.~Max.		°CDB							-5~46							
	Heating	Min.~Max.		°CWB							-20~15.5							
Refrigerant	Type			R-410A														
Piping connections	Liquid	OD		mm			9.52											
	Gas	OD		mm			15.9 (1) / 19.1 (2)				15.9 (1) / 19.1 (2)				19.1			
	Total piping length		System	Actual	m			300 (1) / 115 (2)				300 (1) / 135 (2)				300 (1) / 145 (2)		
Power supply	Phase/Frequency/Voltage			Hz/V			1N~/50/220-240											
Current - 50Hz	Maximum fuse amps (MFA)			A			32.0											

(1) In case VRV indoor units are connected (2) In case RA indoors are connected

















Branch provider				BPMKS967B2				BPMKS967B3						
Connectable indoor units				1~2				1~3						
Max. indoor unit connectable capacity				14.2				20.8						
Max. connectable combination				71+71				60+71+71						
Dimensions	Height x Width x Depth		mm		180x294x350									
Weight				kg			7				8			



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Products overview - Sky Air

Indoor units Pair, twin, triple & double twin application



Type	Model	Product name	
Ceiling mounted cassette	High COP, round flow cassette Auto cleaning function ² , presence & floor sensor ²	FCQHG-F	
	Round flow cassette Auto cleaning function ² , presence & floor sensor ²	FCQG-F	
	Fully flat cassette presence & floor sensor ²	FFQ-C	
Concealed ceiling	Concealed ceiling unit	FDBQ-B	
	Inverter driven concealed ceiling unit	FBQ-C8 ¹	
	Large concealed ceiling unit	FDQ-C	
	Large concealed ceiling unit	FDQ-B ¹	
Wall mounted	Wall mounted unit	FAQ-C	
Ceiling suspended	Ceiling suspended unit	FHQ-C	
	4-way blow ceiling suspended unit	FUQ-C	
Floor standing	Floor standing unit	FVQ-C	
<i>Siesta</i>	Siesta, 4-way blow ceiling mounted cassette	ACQ-C	
	Siesta, Concealed ceiling unit	ABQ-C	
	Siesta, Ceiling suspended cassette	AHQ-C	

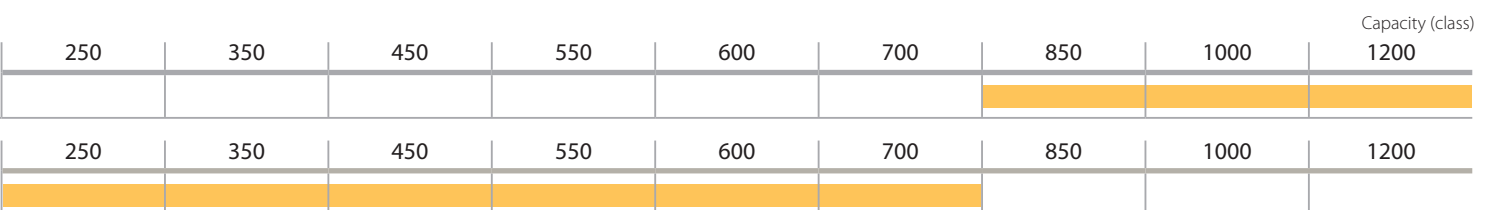
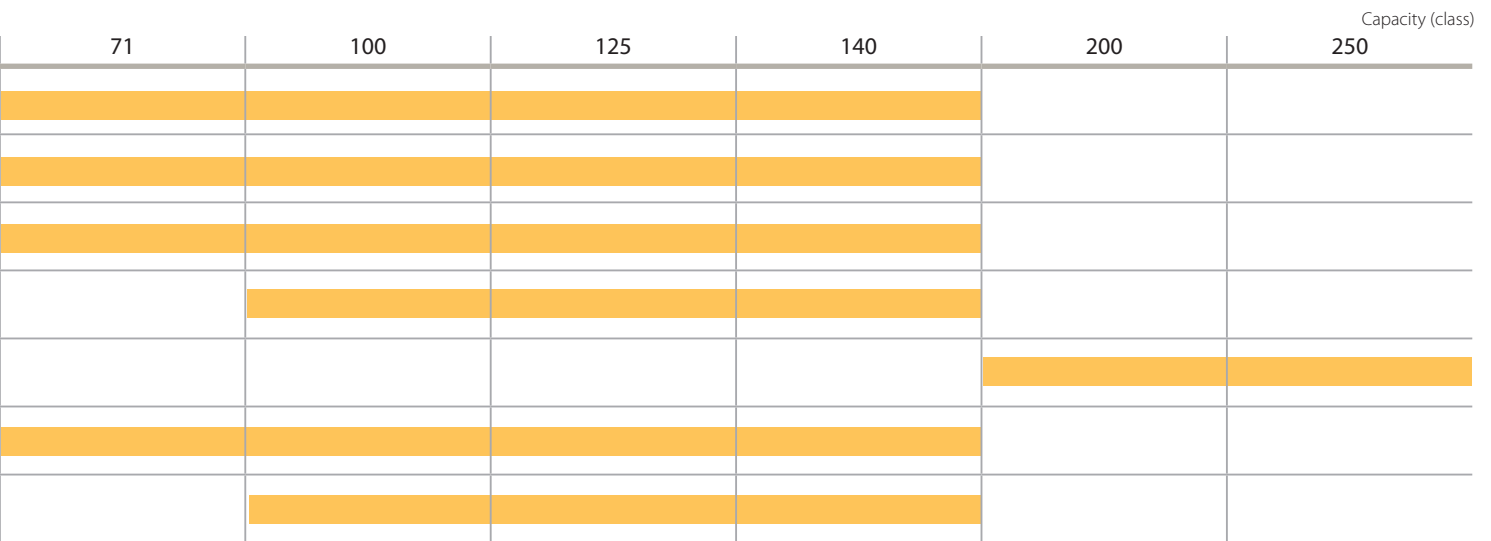
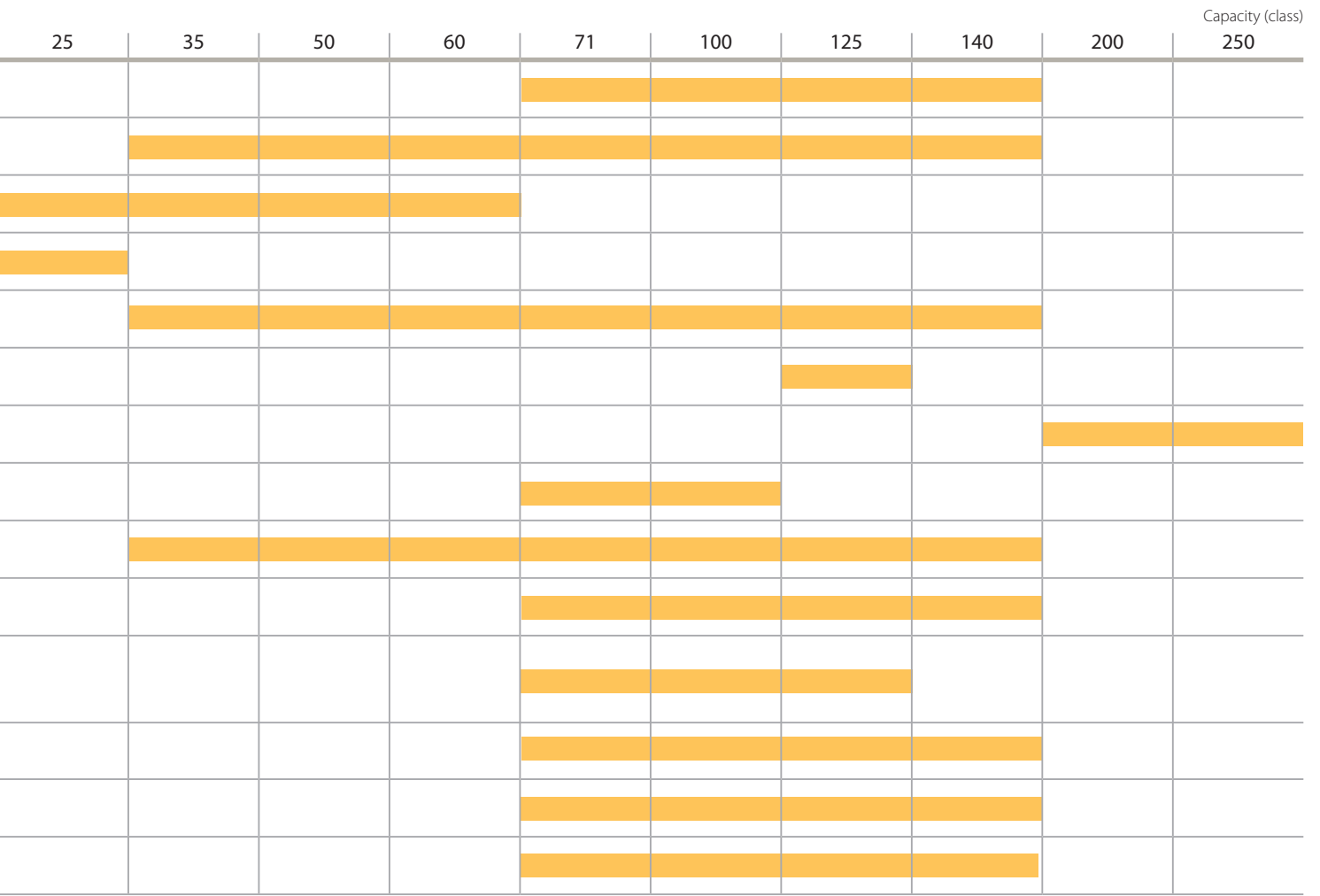
1) Twin, triple, double twin application is only possible up to 125 class 2) Optional

Outdoor units Pair, twin, triple & double twin application




System	Type	Product name		
Air cooled	Heat pump		RZQG-L8/7V1	
			RZQG-L(8)Y1	
			RZQSG-L3/L8V1	
			RZQSG-L(8)Y1	
			RZQ-C	
		<i>Siesta</i>	AZQS-BV1	
			AZQS-BY1	

Rooftops

System	Type	Product name	Refrigerant	
Air cooled	Heat pump	UATYP-AY1(B) Rooftop Unit	R-407C	
System	Type	Product name	Refrigerant	
Air cooled	Heat pump	UATYQ-CY1 Rooftop unit	R-410A	



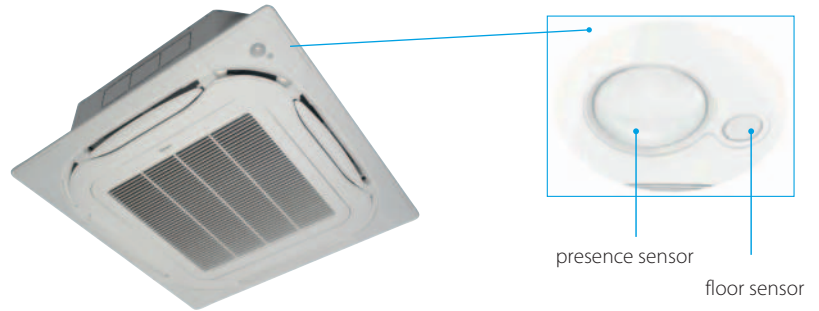
Benefits overview - Sky Air

		Ceiling mounted cassette				Concealed	
		FCQHG-F	FCQG-F	FFQ-C	ACQ-C	FDBQ-B	FBQ-C8
							
We care icons	 Seasonal efficiency - Smart use of energy	✓	✓	✓	✓	✓	✓
	 Inverter technology	✓	✓	✓	✓	✓	✓
	 Home leave operation	✓	✓	✓		✓	✓
	 Fan only	✓	✓	✓	✓	✓	✓
	 Auto cleaning filter	✓	✓				
	 Floor and presence sensor	✓	✓	✓			
Comfort	 Draught prevention	✓	✓	✓	✓		
	 Whisper quiet	✓	✓	✓		✓	✓
	 Auto cooling-heating changeover	✓	✓	✓	✓	✓	✓
Air treatment	 Air filter	✓	✓	✓	✓	✓	✓
Humidity control	 Dry programme	✓	✓	✓		✓	✓
Air flow	 Ceiling soiling prevention	✓	✓	✓	✓		
	 Vertical auto swing	✓	✓	✓			
	 Fan speed steps	3	3	3	3	2	3
	 Individual flap control	✓	✓	✓			
Remote control & timer	 Weekly timer	✓	✓	✓	✓	✓	✓
	 Infrared remote control	✓	✓	✓	✓		✓
	 Wired remote control	✓	✓	✓		✓	✓
	 Centralised control	✓	✓	✓			✓
Other functions	 Auto-restart	✓	✓	✓		✓	✓
	 Self-diagnosis	✓	✓	✓		✓	✓
	 Drain pump kit	standard	standard	standard	standard		standard
	 Twin/triple/double twin application	✓	✓	✓			✓
	 Multi model application		✓	✓		✓	✓
	 VRV for residential application		✓	✓		✓	✓

ceiling unit			Ceiling suspended unit		4-Way blow ceiling suspended unit	Wall mounted unit	Floor standing unit
FDQ-C	FDQ-B	ABQ-C	FHQ-C	AHQ-C	FUQ-C	FAQ-C	FVQ-C
							
✓		✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓		✓		✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
					✓		
		✓					
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓		✓		✓	✓	✓
			✓		✓	✓	✓
3	2	3	3		3	3	3
					✓		
✓	✓	✓	✓	✓	✓	✓	✓
			✓	✓	✓	✓	
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓		✓		✓	✓	✓
✓	✓		✓		✓	✓	✓
✓	✓		✓		✓	✓	✓
standard			optional		standard	optional	
✓	✓		✓		✓	✓	
			✓				
			✓				

Round flow cassette:

setting the standard for efficiency and comfort

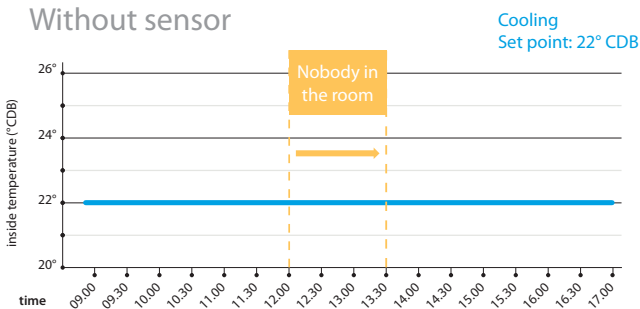


The round flow cassette is designed for use in all forms and sizes of commercial offices & retail environments. Today, Daikin has improved its technology even further to enhance your comfort and provide you better energy efficient models.

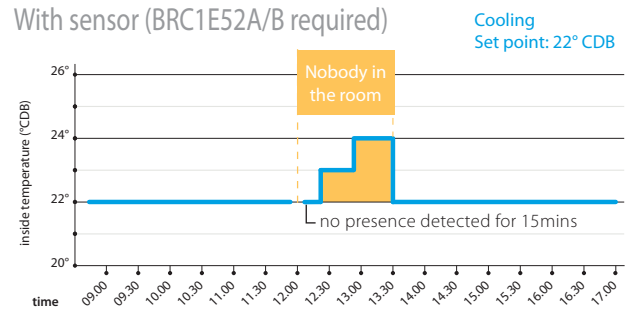
Even more energy efficient...

- With the optional infrared **presence sensor** the set point can be adjusted or the round flow cassette switched off when there is nobody in the room. Up to **27% energy can be saved** (estimated) with this new function. If no presence is detected in the room for 15mins, the set temperature is changed until a minimum temperature (for heating) or maximum temperature (for cooling) is reached. When selecting the setback function, the unit will maintain the temperature within a preset minimum and maximum temperature, when there is no presence detected in the room for 1 hour.

Without sensor

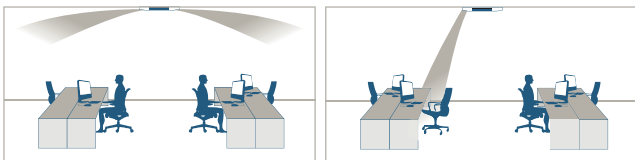


With sensor (BRC1E52A/B required)



... and improved comfort

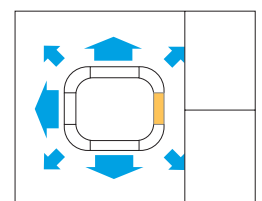
- With the optional **infrared floor sensor** having cold feet will become history. This sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor.
- The **presence sensor** directs air flow away from any person detected in the room, when the air flow control is on.



- The **unique 360° airflow** discharge pattern ensures a uniform temperature distribution across the room without dead corners.

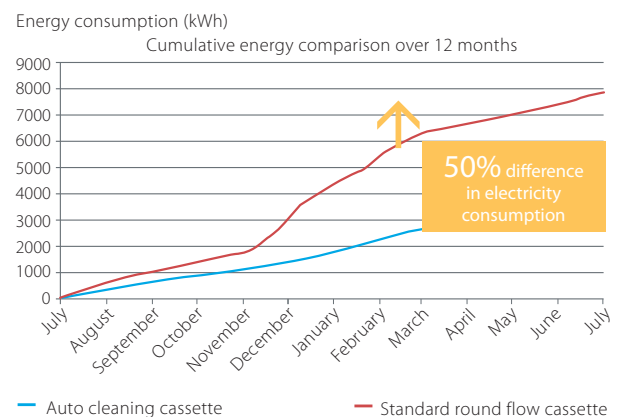
Flexible installation

- When refurbishing or rearranging the interior of your office, shop or other area, you no longer need to change the location of your indoor unit. With the round flow cassette one flap can be easily closed via the wired remote controller (BRC1E52A/B – optional). Optional closure kits are available as well.



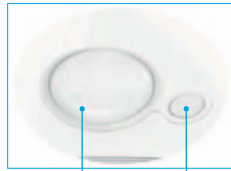
- Daikin was the first to launch an **auto-cleaning decoration panel**. With this panel the costs can be further reduced as the filter cleans itself automatically once a day. Up to **50% energy can be saved** thanks to daily filter cleaning.

Test site, Wolverhampton, UK





FCQG35-60F



presence sensor

floor sensor



RXS-L



BRC1E52A/B

BRC7F532F



- > The round flow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners
- > **360° air discharge** ensures uniform air flow and temperature distribution
- > Modern style decoration panel is available in 3 different variations: pure white (RAL9010) auto cleaning panel, pure white (RAL9010) standard panel with grey louvers and pure white (RAL9010) standard panel with white louvers
- > Daikin introduces first **auto cleaning cassette** to European market.
- > Higher efficiency and comfort thanks to daily auto cleaning of the filter.
- > Lower maintenance costs thanks to auto cleaning function.
- > Easy dust removal with vacuum cleaner without opening the unit.
- > The **presence sensor** (optional) : adjusts the temperature or switches off the unit when there is nobody in the room - ensures the air flow is directed away from any person detected in the room, when the air flow control is activated
- > The **floor sensor** (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- > **Individual flap control**: one flap can be easily closed via the wired remote control (BRC1E52) in case you would refurbish or rearrange your interior
- > Fresh air intake: up to 20 %
- > **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.



Heating & Cooling

Indoor unit				FCQG35F		FCQG50F		FCQG60F	
Cooling capacity	Min./Nom./Max.		kW	-3.4/-		-5.0/-		-5.7/-	
Heating capacity	Min./Nom./Max.		kW	-4.20/-		-6.00/-		-7.00/-	
Power input	Cooling	Nom.	kW	0.95		1.41		1.64	
	Heating	Nom.	kW	1.20		1.62		1.99	
Seasonal efficiency (according to EN14825)	Cooling	Energy label				A++			
		Pdesign	kW	3.50		5.00		5.70	
		SEER		6.35		6.48		6.22	
		Annual energy consumption	kWh	193		270		321	
	Heating (Average climate)	Energy label				A++		A+	
		Pdesign	kW	3.32		4.36		4.71	
SCOP			4.90		4.29		4.00		
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.58		3.55		3.48		
	COP		3.50		3.70		3.52		
	Annual energy consumption	kWh	475		705		820		
Dimensions	Unit	HeightxWidthxDepth	mm			204x840x840			
	Weight	Unit	kg	18				19	
Decoration panel	Model			BYCQ140D7W1/BYCQ140D7W1W/BYCQ140D7GW1					
	Colour			Pure White (RAL 9010)					
	Dimensions	HeightxWidthxDepth	mm	60x950x950/60x950x950/145x950x950					
	Weight			kg					
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min	12.5/10.6/8.7		12.6/10.7/8.7		13.6/11.2/8.7	
	Heating	High/Nom./Low	m³/min	12.5/10.6/8.7		12.6/10.7/8.7		13.6/11.2/8.7	
Sound power level	Cooling	High	dBA			49		51	
	Heating	High	dBA			49		51	
Sound pressure level	Cooling	High/Nom./Low	dBA			31/29/27		33/31/28	
	Heating	High/Nom./Low	dBA			31/29/27		33/31/28	
Piping connections	Liquid	OD	mm			6.35			
	Gas	OD	mm	9.52				12.7	
Power supply	Phase / Frequency / Voltage		Hz / V			1 ~ / 50 / 220-240			

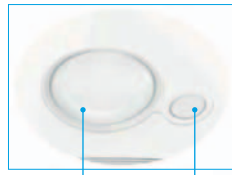
Outdoor unit				*RXS35L		*RXS50L		*RXS50L	
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285		735x825x300			
Weight	Unit		kg	34		47		48	
Fan - Air flow rate	Cooling	Nom.	m³/min	36.0		50.9			
	Heating	Nom.	m³/min	28.3		45.0		46.3	
Sound power level	Cooling	Nom.	dBA	60		62			
Operation range	Cooling	Ambient	Min.~Max. °CDB			-10~46			
	Heating	Ambient	Min.~Max. °CWB			-15~18		-15~20	
Refrigerant	Type/GWP			R-410A/1,975					
Piping connections	Piping length	OU - IU	Max. 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) EER/COP according to Eurovent 2012. (2) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.

*Note: grey cells contain preliminary data



FCQG100-140F



presence sensor
floor sensor



RZQG100-140L8/7V1/L(8)Y1



BRC1E52A/B BRC7FA532F



- › The round flow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners
- › **360° air discharge** ensures uniform air flow and temperature distribution
- › Modern style decoration panel is available in 3 different variations: pure white (RAL9010) auto cleaning panel, pure white (RAL9010) standard panel with grey louvers and pure white (RAL9010) standard panel with white louvers
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- › Easy dust removal with vacuum cleaner without opening the unit.
- › The **presence sensor** (optional) : adjusts the temperature or switches off the unit when there is nobody in the room - ensures the air flow is directed away from any person detected in the room, when the air flow control is activated
- › The **floor sensor** (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- › **Individual flap control:** one flap can be easily closed via the wired remote controller (BRC1E52) in case you would refurbish or rearrange your interior
- › Fresh air intake: up to 20 %
- › **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.

Heating & Cooling



Indoor unit			FCQG71F	FCQG100F	FCQG125F	FCQG140F	FCQG71F	FCQG100F	FCQG125F	FCQG140F		
Cooling capacity	Min./Nom./Max.	kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-		
Heating capacity	Min./Nom./Max.	kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-		
Power input	Cooling	Nom.	2.01	2.45	3.22	4.17	2.01	2.45	3.22	4.17		
	Heating	Nom.	1.89	2.60	3.72	4.30	1.89	2.60	3.72	4.30		
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A++		A+		A++		A+			
		Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-	
		SEER		6.80		6.00		6.80		6.00		
		Annual energy consumption	kWh	350	488	700	-	350	488	700	-	
	Heating (Average climate)	Energy label	A+		A++		A+		A++		A+	
		Pdesign	kW	6.33	11.30	12.66	-	6.33	11.30	12.66	-	
SCOP			4.20		4.61		4.20		4.61			
	Annual energy consumption	kWh	2,110	3,431	4,322	-	2,110	3,431	4,322	-		
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.39	3.87	3.73	3.21	3.39	3.87	3.73	3.21		
	COP		3.97	4.15	3.63	3.61	3.97	4.15	3.63	3.61		
	Annual energy consumption	kWh	1,005	1,225	1,610	2,085	1,005	1,225	1,610	2,085		
	Energy label	Cooling/Heating	A/A		-		A/A		-			
Dimensions	Unit	HeightxWidthxDepth	mm		204x840x840		204x840x840		246x840x840			
Weight	Unit	kg		21		24		21		24		
	Decoration panel	Model	BYCQ140D7W1 / BYCQ140D7W1W / BYCQ140D7GW1									
		Colour	Pure White (RAL 9010)									
		Dimensions	HeightxWidthxDepth	mm								
	Weight	kg		5.4 / 5.4 / 10.3								
Fan - Air flow rate	Cooling	High/Nom./Low	m ³ /min	15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		
	Heating	High/Nom./Low	m ³ /min	15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		
Sound power level	Cooling	High	dB(A)	51	54	58		51	54	58		
	Heating	High	dB(A)	51	54	58		51	54	58		
Sound pressure level	Cooling	High/Nom./Low	dB(A)	33/31/28	37/33/29	41/35/29		33/31/28	37/33/29	41/35/29		
	Heating	High/Nom./Low	dB(A)	33/31/28	37/33/29	41/35/29		33/31/28	37/33/29	41/35/29		
Piping connections	Liquid	OD	mm	9.52								
	Gas	OD	mm	15.9								
Power supply	Phase / Frequency / Voltage	Hz / V										
		1~ / 50 / 220-240										

Outdoor unit				RZQG71L8V1	RZQG100L8V1	RZQG125L8V1	RZQG140L7V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320		1,430x940x320		990x940x320		1,430x940x320	
Weight	Unit	kg		78		102		80		101	
Fan - Air flow rate	Cooling	Nom.	m ³ /min	59		70		59		70	
	Heating	Nom.	m ³ /min	49		62		49		62	
Sound power level	Cooling	Nom.	dB(A)	64		66		64		66	
	Heating	Nom.	dB(A)	48		50		48		50	
Sound pressure level	Cooling	Nom.	dB(A)	50		52		50		52	
	Heating	Nom.	dB(A)	50		52		50		52	
Operation range	Night quiet mode	Level 1	dB(A)	43		45		43		45	
	Cooling	Ambient	Min.-Max. °CDB	-15~50							
	Heating	Ambient	Min.-Max. °CWB	-20~15.5							
Refrigerant	Type/GWP	R-410A/1,975									
Piping connections	Piping length	OU - IU	Max.	m		50		50		75	
		System	Equivalent	m		70		70		90	
	Level difference	IU - OU	Max.	m		30.0					
		IU - IU	Max.	m		0.5					
Power supply	Phase / Frequency / Voltage	Hz / V									
		1~ / 50 / 220-240									
Current - 50Hz	Maximum fuse amps (MFA)	A		20		32		16		20	

(1) EER/COP according to Eurovent 2012 (2) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.



Heating & Cooling

Seasonal Classic

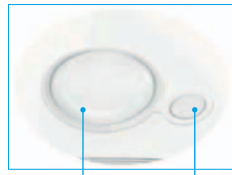
Indoor unit			FCQG71F	FCQG100F	FCQG125F	FCQG140F	FCQG100F	FCQG125F	FCQG140F				
Cooling capacity	Min./Nom./Max.		kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-			
Heating capacity	Min./Nom./Max.		kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-			
Power input	Cooling	Nom.	kW	2.12	2.88	3.74	4.45	2.88	3.74	4.45			
	Heating	Nom.	kW	2.08	3.05	3.96	4.54	3.05	3.96	4.54			
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++			A			-			
		Pdesign	kW	6.80	9.50	12.00	-	9.50	12.00	-	-		
		SEER		6.10	6.50	5.30	-	6.50	5.30	-	-		
		Annual energy consumption	kWh	390	511	792	-	511	792	-	-		
	Heating (Average climate)	Energy label		A+			-			A+		-	
		Pdesign	kW	6.33	7.60	8.03	-	7.60	8.03	-	-		
		SCOP		4.10			4.01			4.10			
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.21	3.30	3.21	3.01	3.30	3.21	3.01			
	COP			3.61	3.54	3.41		3.54	3.41				
	Annual energy consumption		kWh	971	1,440	1,870	2,225	1,440	1,870	2,225			
Dimensions	Unit	HeightxWidthxDepth		204x840x840			246x840x840						
	Weight	Unit	kg	21	24								
Decoration panel	Model		BYCQ140D7W1 / BYCQ140D7W1W / BYCQ140D7GW1										
	Colour		Pure White (RAL 9010)										
	Dimensions	HeightxWidthxDepth		60x950x950 / 60x950x950 / 145x950x950									
	Weight	Unit	kg	5.4 / 5.4 / 10.3									
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min	15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		22.8/17.6/12.4	26.0/19.2/12.4				
	Heating	High/Nom./Low	m³/min	15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		22.8/17.6/12.4	26.0/19.2/12.4				
Sound power level	Cooling	High	dB(A)	51	54	58		54	58				
	Heating	High	dB(A)	51	54	58		54	58				
Sound pressure level	Cooling	High/Nom./Low	dB(A)	33/31/28	37/33/29	41/35/29		37/33/29	41/35/29				
	Heating	High/Nom./Low	dB(A)	33/31/28	37/33/29	41/35/29		37/33/29	41/35/29				
Piping connections	Liquid	OD	mm	9.52									
	Gas	OD	mm	15.9									
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240									

Outdoor unit				RZQSG71L3V1	RZQSG100L8V1	RZQSG125L8V1	RZQSG140L1V1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140L1Y1	
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	1,430x940x320	990x940x320			1,430x940x320
Weight	Unit			kg	67	81	102	82			101
Fan - Air flow rate	Cooling	Nom.	m³/min	52	76	77	83	76	77	83	
	Heating	Nom.	m³/min	48	83		62	83		62	
Sound power level	Cooling	Nom.	dB(A)	65	69	70	69		70	69	
Sound pressure level	Cooling	Nom./Silent operation	dB(A)	49/47	53/49	54/49	53/49	53/-	54/-	53/-	
	Heating	Nom.	dB(A)	51	57	58	54	57	58	54	
	Night quiet mode	Level 1	dB(A)	-							49
Operation range	Cooling	Ambient	Min.-Max. °CDB	-5.0~46							
	Heating	Ambient	Min.-Max. °CWB	-15~15.5							
Refrigerant	Type/GWP			R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	30						50
		System	Equivalent	m	40						70
	Level difference	IU - OU	Max.	m	15						30.0
		IU - IU	Max.	m						0.5	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			20		

(1) EER/COP according to Eurovent 2012



FCQHG71-140F



presence sensor
floor sensor



RZQG100-140L8/7V1/L(8)Y1



BRC1E52A/B BRC7FA532F



- > **High COP cassette ensures top energy performance**
- > The round flow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners
- > **360° air discharge** ensures uniform air flow and temperature distribution
- > Modern style decoration panel is available in 3 different variations: pure white (RAL9010) auto cleaning panel, pure white (RAL9010) standard panel with grey louvers and pure white (RAL9010) standard panel with white louvers
- > Daikin introduces first **auto cleaning cassette** to European market.
- > Higher efficiency and comfort thanks to daily auto cleaning of the filter.
- > Lower maintenance costs thanks to auto cleaning function.
- > Easy dust removal with vacuum cleaner without opening the unit.
- > The **presence sensor** (optional) : adjusts the temperature or switches off the unit when there is nobody in the room - ensures the air flow is directed away from any person detected in the room, when the air flow control is activated
- > The **floor sensor** (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- > **Individual flap control**: one flap can be easily closed via the wired remote controller (BRC1E52) in case you would refurbish or rearrange your interior
- > Fresh air intake: up to 20 %
- > **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.

Heating & Cooling



Indoor unit			FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F		
Cooling capacity	Min./Nom./Max.	kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-		
Heating capacity	Min./Nom./Max.	kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-		
Power input	Cooling	Nom.	1.66	2.15	3.00	4.00	1.66	2.15	3.00	4.00		
	Heating	Nom.	1.56	2.16	3.07	3.77	1.56	2.16	3.07	3.77		
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A++		-		A++		-			
		Pdesign	6.80	9.50	12.00	-	6.80	9.50	12.00	-		
		SEER	7.00		6.61		-		7.00		6.61	
	Heating (Average climate)	Annual energy consumption	kWh	340	475	635	-	340	475	635	-	
		Energy label	A+		A++		-		A+		A++	
		Pdesign	7.60	11.30	12.66	-	7.60	11.30	12.66	-		
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	Annual energy consumption	SCOP	4.54	4.80	4.63	-	4.54	4.80	4.63	-		
		Annual energy consumption	kWh	2,343	3,295	3,829	-	2,343	3,295	3,829	-	
		EER	4.09	4.42	4.00	3.35	4.09	4.42	4.00	3.35		
COP	COP	4.80	4.99	4.40	4.12	4.80	4.99	4.40	4.12			
	Energy label	Cooling/Heating	A/A		-		A/A		-			
Dimensions	Unit	HeightxWidthxDepth	mm							288x840x840		
Weight	Unit	kg	25	26		25		26				
	Decoration panel	Model	BYCQ140D7W1 / BYCQ140D7W1W / BYCQ140D7GW1									
		Colour	Pure White (RAL 9010)									
		Dimensions	HeightxWidthxDepth	mm								60x950x950 / 60x950x950 / 145x950x950
Weight	kg	5.4 / 5.4 / 10.3										
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	
	Heating	High/Nom./Low	m³/min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	
Sound power level	Cooling	High	dB(A)	53	61		53		61			
	Heating	High	dB(A)	53	61		53		61			
Sound pressure level	Cooling	High/Nom./Low	dB(A)	36/33/29	44/39/33	45/40/35	45/41/37	36/33/29	44/39/33	45/40/35	45/41/37	
	Heating	High/Nom./Low	dB(A)	36/33/29	44/39/33	45/40/35	45/41/37	36/33/29	44/39/33	45/40/35	45/41/37	
Piping connections	Liquid	OD	mm	9.52								
	Gas	OD	mm	15.9								
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240									

Outdoor unit				RZQG71L8V1	RZQG100L8V1	RZQG125L8V1	RZQG140L7V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320		1,430x940x320		990x940x320		1,430x940x320	
Weight	Unit	kg	78	102		80		101		84	
Fan - Air flow rate	Cooling	Nom.	m³/min	59	70		84	59	70		84
	Heating	Nom.	m³/min	49	62		49	49	62		62
Sound power level	Cooling	Nom.	dB(A)	64	66	67	69	64	66	67	69
	Heating	Nom.	dB(A)	48	50	51	52	48	50	51	52
Operation range	Heating	Nom.	dB(A)	50	52	53		50	52	53	
	Night quiet mode	Level 1	dB(A)	43	45		43	45			
Refrigerant	Cooling	Ambient	Min.-Max. °CDB	-15~50							
	Heating	Ambient	Min.-Max. °CWB	-20~-15.5							
Piping connections	Type/GWP	R-410A/1,975									
	Piping length	OU - IU	Max.	m	50	75		50	75		
	System	Equivalent	m	70	90		70	90			
	Level difference	IU - OU	Max.	m	30.0				IU - IU	Max.	m
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240								
Current - 50Hz	Maximum fuse amps (MFA)	A	20	32		16		20			

(1) EER/COP according to Eurovent 2012 (2) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.



Heating & Cooling

Seasonal Classic

Indoor unit			FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQHG100F	FCQHG125F	FCQHG140F	
Cooling capacity	Min./Nom./Max.	kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-	
Heating capacity	Min./Nom./Max.	kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-	
Power input	Cooling	Nom.	1.94	2.57	3.71	-	2.57	3.71	-	
	Heating	Nom.	1.83	2.51	3.60	-	2.51	3.60	-	
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A++			A	-	A++	A	-
		Pdesign	kW	6.80	9.50	12.00	-	9.50	12.00	-
		SEER		6.50	6.70	5.40	-	6.70	5.40	-
		Annual energy consumption	kWh	366	496	777	-	496	777	-
	Heating (Average climate)	Energy label	A+			-	-	A+	-	-
		Pdesign	kW	7.60	8.03		-	8.03		-
SCOP			4.15	4.30	4.10	-	4.30	4.10	-	
	Annual energy consumption	kWh	2,563	2,614	2,741	-	2,614	2,741	-	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.50	3.70	3.23	3.21	3.70	3.23	3.21	
	COP		4.10	4.30	3.75	3.61	4.30	3.75	3.61	
	Annual energy consumption	kWh	1,059	1,285	1,855	2,085	1,285	1,855	2,085	
	Energy label	Cooling/Heating	A/A			-			A/A	
Dimensions	Unit	HeightxWidthxDepth	mm							
			288x840x840							
Weight	Unit		25							26
Decoration panel	Model	BYCQ140D7W1 / BYCQ140D7W1W / BYCQ140D7GW1								
	Colour	Pure White (RAL 9010)								
	Dimensions	HeightxWidthxDepth	mm							
			60x950x950 / 60x950x950 / 145x950x950							
	Weight		kg							
			5.4 / 5.4 / 10.3							
Fan - Air flow rate	Cooling	High/Nom./Low	m ³ /min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1
	Heating	High/Nom./Low	m ³ /min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1
Sound power level	Cooling	High	dBA	53			61			
	Heating	High	dBA	53			61			
Sound pressure level	Cooling	High/Nom./Low	dBA	36/33/29	44/39/33	45/40/35	45/41/37	44/39/33	45/40/35	45/41/37
	Heating	High/Nom./Low	dBA	36/33/29	44/39/33	45/40/35	45/41/37	44/39/33	45/40/35	45/41/37
Piping connections	Liquid	OD	mm	9.52						
	Gas	OD	mm	15.9						
Power supply	Phase / Frequency / Voltage		1~ / 50 / 220-240							

Outdoor unit			RZQSG71L3V1	RZQSG100L8V1	RZQSG125L8V1	RZQSG140LV1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140LY1
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	990x940x320	1,430x940x320	990x940x320		1,430x940x320
Weight	Unit		kg	67	81	102	82		101
Fan - Air flow rate	Cooling	Nom.	m ³ /min	52	76	77	83	76	77
	Heating	Nom.	m ³ /min	48	83		62	83	62
Sound power level	Cooling	Nom.	dBA	65	69	70	69		70
Sound pressure level	Cooling	Nom./Silent operation	dBA	49/47	53/49	54/49	53/49	53/-	54/-
	Heating	Nom.	dBA	51	57	58	54	57	58
	Night quiet mode	Level 1	dBA	-			49		
Operation range	Cooling	Ambient	Min.-Max. °CDB	-5.0~46					
	Heating	Ambient	Min.-Max. °CWB	-15~-15.5					
Refrigerant	Type/GWP	R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m	30	50			
		System	Equivalent	m	40	70			
	Level difference	IU - OU	Max.	m	15	30.0			
		IU - IU	Max.	m	0.5				
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240			3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)	A	20	32			20		

(1) EER/COP according to Eurovent 2012 (2) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.

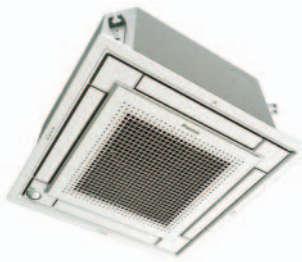
Fully flat cassette



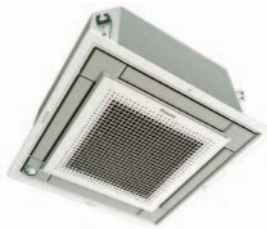
Design & Genius in one



Unique in the market, the fully flat cassette is a remarkable blend of iconic design and engineering excellence with an elegant white or a silver and white finish. Fitting flush within the ceiling modules and fully flat with the ceiling itself, the cassette is both stylish and unobtrusive. Superb efficiency and comfort is delivered through the combined use of floor and presence sensors and, when necessary, the individual flap control via the wired remote controller makes it simple to close one flap.



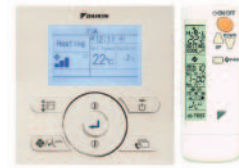
FFQ-C (white panel)



FFQ-C (silver and white panel)



RXS-L



BRC1E52A/B

BRC7F530W



- › **Unique design in the market: integrates fully flat into the ceiling** and fits flush into architectural ceiling modules
- › Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- › The **presence sensor** (optional) adjusts the set point with standard 1°C if no one is detected in the room, it is possible to adjust the set point with 2, 3 or 4°C (optional). It also automatically directs air flow away from any person to avoid draught.
- › The **floor sensor** (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- › **Individual flap control**: one flap can be easily closed via the wired remote control (BRC1E52) in case you would refurbish or rearrange your interior
- › Low energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- › Fresh air intake for healthy living
- › **No optional adapter needed for DIII-connection**, link your unit into the wider building management system.



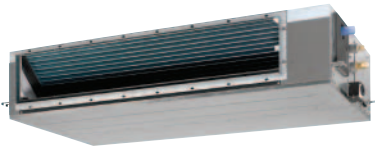
Heating & Cooling

Indoor unit				FFQ25C	FFQ35C	FFQ50C	FFQ60C	
Cooling capacity	Min./Nom./Max.	kW		-/2.5/-	-/3.4/-	-/5.0/-	-/5.7/-	
Heating capacity	Min./Nom./Max.	kW		-/3.20/-	-/4.20/-	-/5.80/-	-/7.00/-	
Power input	Cooling	Nom.	kW	0.56	0.92	1.56	1.89	
	Heating	Nom.	kW	0.82	1.20	1.66	2.05	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++				
		Pdesign	kW	2.50	3.40	5.00	5.70	
		SEER		6.13	6.33	5.93	5.79	
	Heating (Average climate)	Annual energy consumption		kWh	143	188	295	344
		Energy label			A+			
		Pdesign	kW	2.31	3.45	3.84	3.96	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	Annual energy consumption	kWh		280	460	780	945	
		Energy label		A/B				
	Dimensions	Unit	HeightxWidthxDepth	mm	260x575x575			B/B
		Weight	Unit	kg	16			17.5
Decoration panel	Model		BYFQ60CW/BYFQ60CS/BYFQ60B2					
	Colour		White (N9.5) / White (N9.5) + Silver / White (RAL9010)					
	Dimensions	HeightxWidthxDepth	mm	46x620x620/46x620x620/55x700x700				
	Weight	Unit	kg	2.8/2.8/2.7				
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min	9/8/6.5	10/8.5/6.5	12/10/7.5	14.5/12.5/9.5	
	Heating	High/Nom./Low	m³/min	9/8/6.5	10/8.5/6.5	12/10/7.5	14.5/12.5/9.5	
Sound power level	Cooling	High	dBA	48	51	56	60	
Sound pressure level	Cooling	High/Nom./Low	dBA	31/28.5/25	34/30.5/25	39/34/27	43/40/32	
	Heating	High/Nom./Low	dBA	31/28.5/25	34/30.5/25	39/34/27	43/40/32	
Piping connections	Liquid	OD	mm	6.35				
	Gas	OD	mm	9.52			12.7	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240				

Outdoor unit				*RXS25L	*RXS35L	*RXS50L	*RXS50L
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285			735x825x300
Weight	Unit	kg		34			47
Fan - Air flow rate	Cooling	Nom.	m³/min	33.5	36.0	50.9	
	Heating	Nom.	m³/min	28.3		45.0	46.3
Sound power level	Cooling	Nom.	dBA	59	60	62	
Operation range	Cooling	Ambient	Min.~Max. °CDB	-10~46			
	Heating	Ambient	Min.~Max. °CWB	-15~18			-15~20
Refrigerant	Type/GWP		R-410A/1,975				
Piping connections	Piping length	OU - IU	Max. 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) EER/COP according to Eurovent 2012 (2) Dimensions do not include control box

*Note: grey cells contain preliminary data



FBQ100-140C8



RZQG100-140L8/7V1/L(8)Y1



BRC1E52A/B

BRC4C65



- › Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- › Easy installation thanks to automatic air flow adjustment towards nominal air flow rate
- › Reduction in power consumption thanks to DC inverter fans
- › Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- › Up to 120Pa external static pressure facilitates using flexible ducts of varying lengths: ideal for shops and medium size offices
- › Whisper quiet operation: down to 29dBA sound pressure level
- › No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- › The air suction direction can be altered from rear to bottom suction
- › Standard built-in drain pump increases reliability of the drain system

Heating & Cooling



Indoor unit			FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8									
Cooling capacity	Min./Nom./Max.	kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-									
Heating capacity	Min./Nom./Max.	kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-									
Power input	Cooling	Nom.	1.94	2.44	3.15	4.02	1.94	2.44	3.15	4.02									
	Heating	Nom.	2.05	2.57	3.53	4.30	2.05	2.57	3.53	4.30									
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A++		A+		-		A++		A+								
		Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-								
		SEER		6.11	5.80	5.81	-	6.11	5.80	5.81	-								
		Annual energy consumption	kWh	389	573	722	-	389	573	722	-								
	Heating (Average climate)	Energy label	A+		A++		A+		-		A++		A+						
		Pdesign	kW	6.00	11.30	12.71	-	6.00	11.30	12.71	-								
SCOP			4.01	4.61	4.21	-	4.01	4.61	4.21	-									
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.50	3.89	3.81	3.33	3.50	3.89	3.81	3.33									
	COP		3.65	4.21	3.83	3.61	3.65	4.21	3.83	3.61									
Annual energy consumption	kWh		970	1,220	1,575	2,010	970	1,220	1,575	2,010									
	Energy label	Cooling/Heating	A/A				-		A/A		-								
Casing			Colour																
Dimensions			Unit		HeightxWidthxDepth		mm												
Required ceiling void >			mm																
Weight			Unit		kg		34												
Decoration panel			Model		BYB571DJW1		BYB5125DJW1		BYB571DJW1		BYB5125DJW1								
Colour			White (10Y9/0.5)																
Dimensions			Unit		HeightxWidthxDepth		mm												
Weight			Unit		kg		4.5												
Fan - Air flow rate	Cooling	High/Low	m³/min		18/15		32/23		39/28		18/15		32/23		39/28				
	Heating	High/Low	m³/min		18/15		32/23		39/28		41/29		18/15		32/23		39/28		41/29
Fan - External static pressure	High/Nom.	Pa	100/30		120/40		120/50		100/30		120/40		120/50						
Sound power level	Cooling	Nom.	dBA		57		61		66		57		61		66				
	Heating	Nom.	dBA		37/29		38/32		40/33		37/29		38/32		40/33				
Sound pressure level	Cooling	High/Low	dBA		37/29		38/32		40/33		37/29		38/32		40/33				
	Heating	High/Low	dBA		37/29		38/32		40/33		41/34		37/29		38/32		40/33		41/34
Piping connections	Liquid	OD	mm		9.52		15.9												
	Gas	OD	mm		15.9		9.52												
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50/60 / 220-240/220																

Outdoor unit			RZQG71L8V1	RZQG100L8V1	RZQG125L8V1	RZQG140L7V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1						
Dimensions			Unit		HeightxWidthxDepth		mm									
Weight			Unit		kg		78									
Fan - Air flow rate	Cooling	Nom.	m³/min		59		70		84		59		70		84	
	Heating	Nom.	m³/min		49		62		53		49		62		53	
Sound power level	Cooling	Nom.	dBA		64		66		67		64		66		67	
	Heating	Nom.	dBA		48		50		51		48		50		51	
Sound pressure level	Cooling	Nom.	dBA		50		52		53		50		52		53	
	Night quiet mode	Level 1	dBA		43		45		43		43		45			
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-15~50										
	Heating	Ambient	Min.~Max.	°CWB		-20~15.5										
Refrigerant	Type/GWP	R-410A/1,975														
Piping connections	Piping length	OU - IU	Max.	m		50		75		50		75				
		System	Equivalent	m		70		90		70		90				
	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		20		32		16		20					

(1) EER/COP according to Eurovent 2012



Heating & Cooling

Seasonal Classic

Indoor unit			FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	FBQ100C8	FBQ125C8	FBQ140C8		
Cooling capacity	Min./Nom./Max.	kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-		
Heating capacity	Min./Nom./Max.	kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-		
Power input	Cooling	Nom.	2.07	2.87	3.74	4.44	2.87	3.74	4.44		
	Heating	Nom.	2.08	2.96	3.85	4.54	2.96	3.85	4.54		
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A+		A		-		A		
		Pdesign	kW	6.80	9.50	12.00	-	9.50	12.00	-	
		SEER		5.81	5.50	5.20	-	5.50	5.20	-	
	Heating (Average climate)	Annual energy consumption	kWh	410	604	807	-	604	807	-	
		Energy label		A		A+		-		A	
		Pdesign	kW	6.00	7.60		-		7.60		-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.28	3.31	3.21	3.02	3.31	3.21	3.02		
	COP		3.61	3.65	3.51	3.41	3.65	3.51	3.41		
	Annual energy consumption	kWh	1,037	1,435	1,870	2,220	1,435	1,870	2,220		
Casing	Energy label	Cooling/Heating	A/A		A/B		-		A/A		
	Colour		Not painted (galvanised)								
Dimensions	Unit	HeightxWidthxDepth	mm		300x1,000x700						
Required ceiling void >			mm							350	
Weight	Unit		kg		34					45	
Decoration panel	Model		BYBS71DJW1		BYBS125DJW1						
	Colour		White (10Y9/0.5)								
	Dimensions	HeightxWidthxDepth	mm		55x1,100x500					55x1,500x500	
Fan - Air flow rate	Cooling	High/Low	m³/min		18/15		32/23		39/28		
	Heating	High/Low	m³/min		18/15		32/23		39/28		
Fan - External static pressure	High/Nom.		Pa		100/30		120/40		120/50		
Sound power level	Cooling	Nom.	dBA		57		61		66		
	Heating	Nom.	dBA		37/29		38/32		40/33		
Sound pressure level	Cooling	High/Low	dBA		37/29		38/32		40/33		
	Heating	High/Low	dBA		37/29		38/32		40/33		
Piping connections	Liquid	OD	mm		9.52						
	Gas	OD	mm		15.9						
Power supply	Phase / Frequency / Voltage		Hz / V							1~ / 50/60 / 220-240/220	

Outdoor unit				RZQSG71L3V1	RZQSG100L8V1	RZQSG125L8V1	RZQSG140L1V1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140L1Y1	
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	990x940x320	1,430x940x320	990x940x320	1,430x940x320			
Weight	Unit		kg	67	81	102	82	101			
Fan - Air flow rate	Cooling	Nom.	m³/min	52	76	77	83	76	77	83	
	Heating	Nom.	m³/min	48	83		62	83		62	
Sound power level	Cooling	Nom.	dBA	65	69	70	69		70	69	
Sound pressure level	Cooling	Nom./Silent operation	dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-	
	Heating	Nom.	dBA	51	57	58	54	57	58	54	
Operation range	Night quiet mode	Level 1	dBA	-							
	Cooling	Ambient	Min.~Max.	°CDB							-5.0~46
Refrigerant	Heating	Ambient	Min.~Max.	°CWB							-15~15.5
	Type/GWP			R-410A/1,975							
Piping connections	Piping length	OU - IU	Max.	m		30		50			
		System	Equivalent	m		40		70			
	Level difference	IU - OU	Max.	m		15		30.0			
Power supply	IU - IU	Max.	m				0.5				
	Phase / Frequency / Voltage		Hz / V							1~ / 50 / 220-240	3N~ / 50 / 380-415
Current - 50Hz	Maximum fuse amps (MFA)		A		20		32			20	

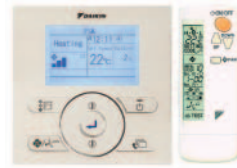
(1) EER/COP according to Eurovent 2012



FBQ60C8



RXS-L



BRC1E52A/B

BRC7F530W



- > Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- > Easy installation thanks to automatic air flow adjustment towards nominal air flow rate
- > Reduction in power consumption thanks to DC inverter fans
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- > Up to 120Pa external static pressure facilitates using flexible ducts of varying lengths: ideal for shops and medium size offices
- > Whisper quiet operation: down to 29dBA sound pressure level
- > No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- > The air suction direction can be altered from rear to bottom suction
- > Standard built-in drain pump increases reliability of the drain system



Heating & Cooling

Indoor unit				FBQ35C8	FBQ50C8	FBQ60C8	
Cooling capacity	Min./Nom./Max.		kW	-/3.4/-	-/5.0/-	-/5.7/-	
Heating capacity	Min./Nom./Max.		kW	-/4.0/-	-/5.5/-	-/7.0/-	
Power input	Cooling	Nom.	kW	1.06	1.65	1.75	
	Heating	Nom.	kW	1.11	1.61	2.05	
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A+		
		Pdesign	kW	3.50	4.90	5.70	
		SEER		5.97	5.85	5.72	
		Annual energy consumption	kWh	205	293	349	
	Heating (Average climate)	Energy label			A+	A	
		Pdesign	kW	2.90	4.35	4.60	
		SCOP		3.93	3.85	3.80	
		Annual energy consumption	kWh	1,033	1,584	1,693	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.21	3.03	3.26	
	COP			3.60	3.42	3.41	
	Annual energy consumption		kWh	530	825	875	
	Energy label		Cooling/Heating	A/A	B/B	A/B	
Casing	Colour		Not painted (galvanised)				
Dimensions	Unit	HeightxWidthxDepth	mm	300x700x700		300x1,000x700	
Required ceiling void >			mm	350			
Weight	Unit		kg	25		34	
Decoration panel	Model			BYB545DJW1		BYB571DJW1	
	Colour			White (10Y9/0.5)			
	Dimensions	HeightxWidthxDepth	mm	55x800x500		55x1,100x500	
	Weight		kg	3		4.5	
Fan - Air flow rate	Cooling	High/Low	m ³ /min	16/11		18/15	
	Heating	High/Low	m ³ /min	16/11		18/15	
Fan - External static pressure	High/Nom.		Pa	100/30			
Sound power level	Cooling	Nom.	dBA	60		57	
Sound pressure level	Cooling	High/Low	dBA	37/29			
	Heating	High/Low	dBA	37/29			
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	9.5	12.7		
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220			

Outdoor unit				*RXS35L	*RXS50L	*RXS50L
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285	735x825x300	
Weight	Unit		kg	34	47	48
Fan - Air flow rate	Cooling	Nom.	m ³ /min	36.0	50.9	48
	Heating	Nom.	m ³ /min	28.3	45.0	46.3
Sound power level	Cooling	Nom.	dBA	60	62	
Operation range	Cooling	Ambient	Min.~Max. °CDB	-10~46		
	Heating	Ambient	Min.~Max. °CWB	-15~18		-15~20
Refrigerant	Type/GWP			R-410A/1,975		
Piping connections	Piping length	OU - IU	Max. 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) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data



FDBQ25B



BRC1E52A/B



- > Designed for hotel bedrooms
- > Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- > Compact dimensions (230mm high & 652mm deep), can easily be mounted in a ceiling void
- > Whisper quiet operation: down to 28dBA sound pressure level
- > The air suction direction can be altered from rear to bottom suction

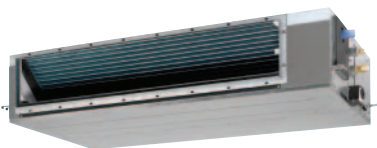


Heating & Cooling

Indoor unit				FDBQ25B
Cooling capacity	Nom.		kW	-
Power input	Cooling	Nom.	kW	-
	Heating	Nom.	kW	-
Dimensions	Unit	HeightxWidthxDepth	mm	230x652x502
Weight	Unit		kg	17.0
Fan - Air flow rate	Cooling	High/Low	m ³ /min	6.50/5.20
	Heating	High/Low	m ³ /min	6.95/5.20
Sound power level	Cooling	High/Low	dBA	55.0/49.0
	Heating	High/Low	dBA	55.0/49.0
Sound pressure level	Cooling	High/Low	dBA	35.0/28.0
	Heating	High/Low	dBA	35.0/29.0
Piping connections	Liquid	OD	mm	6.35
	Gas	OD	mm	9.52
	Drain			27.2
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 230

Outdoor unit				
Dimensions	Unit	HeightxWidthxDepth	mm	
Weight	Unit		kg	
Fan - Air flow rate	Cooling	High/Nom./Low	m ³ /min	
	Heating	High/Low	m ³ /min	
Sound power level	Cooling	Nom.	dBA	
Sound pressure level	Cooling	Nom.	dBA	
	Heating	Nom.	dBA	
Operation range	Cooling	Ambient	Min.~Max. °CDB	
	Heating	Ambient	Min.~Max. °CWB	
Refrigerant	Type/GWP			
Piping connections	Piping length	OU - IU	Max.	m
	Level difference	IU - OU	Max.	m
		IU - IU	Max.	m
Power supply	Phase / Frequency / Voltage		Hz / V	
Current - 50Hz	Maximum fuse amps (MFA)		A	

only available in multi model application



FDQ125C



RZQG125L8V1/Y1



BRC1E52A/B



- > Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- > Easy installation thanks to automatic air flow adjustment towards nominal air flow rate
- > Reduction in power consumption thanks to DC inverter fans
- > Improved comfort thanks to 3-step air flow control
- > Up to 200Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- > Less duct calculations are needed; moreover, the air flow can be adjusted during installation via the wired remote control (optional) instead of via channel adjustments
- > No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- > The air suction direction can be altered from rear to bottom suction
- > Standard drain pump with 625mm lift



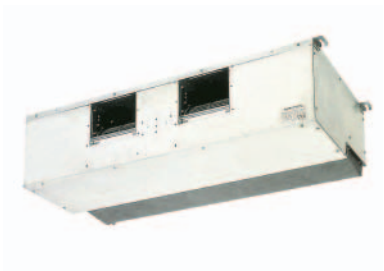
Heating & Cooling

Indoor unit			FDQ125C	FDQ125C	FDQ125C	FDQ125C
Cooling capacity	Min./Nom./Max.				-/12.0/-	
Heating capacity	Min./Nom./Max.				-/13.5/-	
Power input	Cooling	Nom.	3.20			3.74
	Heating	Nom.	3.53			3.85
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A+			A
		Pdesign			12.00	
		SEER	5.81			5.20
		Annual energy consumption	722			807
	Heating (Average climate)	Energy label	A+			A
		Pdesign	12.71			7.60
		SCOP	4.21			3.90
		Annual energy consumption	4,226			2,728
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER	3.75			3.21	
	COP	3.83			3.51	
	Annual energy consumption	1,600			1,870	
	Energy label	A/A			A/B	
Casing	Colour		Not painted (galvanised)			
Dimensions	Unit	HeightxWidthxDepth	300x1,400x700			
Required ceiling void >			350			
Weight	Unit		45			
Decoration panel	Model		BYBS125DJW1			
	Colour		White (10Y9/0.5)			
	Dimensions	HeightxWidthxDepth	55x1,500x500			
	Weight		6.5			
Fan - Air flow rate	Cooling	High/Low	m ³ /min		39/28	
	Heating	High/Low	m ³ /min		39/28	
Fan - External static pressure	High/Nom.		Pa		200/50	
Sound power level	Cooling	Nom.	dBA		66	
Sound pressure level	Cooling	High/Low	dBA		40/33	
	Heating	High/Low	dBA		40/33	
Piping connections	Liquid	OD	mm		9.52	
	Gas	OD	mm		15.9	
Power supply	Phase / Frequency / Voltage		Hz / V		1~ / 50/60 / 220-240/220	



Outdoor unit			RZQG125L8V1	RZQG125L8Y1	RZQSG125L8V1	RZQSG125L8Y1	
Dimensions	Unit	HeightxWidthxDepth	1,430x940x320		990x940x320		
Weight	Unit		102	101	81	82	
Fan - Air flow rate	Cooling	Nom.	m ³ /min		77		
	Heating	Nom.	m ³ /min		83		
Sound power level	Cooling	Nom.	dBA		67		
Sound pressure level	Cooling	Nom./Silent operation	dBA		51/-		
	Heating	Nom.	dBA		53		
	Night quiet mode	Level 1	dBA		45		
Operation range	Cooling	Ambient	Min.-Max.	°CDB		-15~50	
	Heating	Ambient	Min.-Max.	°CWB		-20~15.5	
Refrigerant	Type/GWP		R-410A/1,975				
Piping connections	Piping length	OU - IU	Max.	m		75	
		System	Equivalent	m		90	
	Level difference	IU - OU	Max.	m		30.0	
	IU - IU	Max.	m		0.5		
Power supply	Phase / Frequency / Voltage		Hz / V		1~ / 50 / 220-240		
Current - 50Hz	Maximum fuse amps (MFA)		A		32		
					3N~ / 50 / 380-415		
					1~ / 50 / 220-240		
					3N~ / 50 / 380-415		
					32		
					20		
					32		
					20		

(1) EER/COP according to Eurovent 2012



FDQ-B



RZQ-C



BRC1E52A/B

- > Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- > Up to 250Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- > Up to 26.4kW in heating mode



Heating & Cooling



Indoor unit				FDQ200B		FDQ250B	
Cooling capacity	Min./Nom./Max.		kW	-/20,0/-		-/24,1/-	
Heating capacity	Min./Nom./Max.		kW	-/23,0/-		-/26,4/-	
Power input	Cooling	Nom.	kW	6,23		8,58	
	Heating	Nom.	kW	6,74		8,22	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3,21		2,81	
	COP			3,41		3,21	
Annual energy consumption			kWh	3.115		4.290	
Energy label	Cooling/Heating			-/-			
Casing	Colour			Unpainted			
Dimensions	Unit	HeightxWidthxDepth	mm	450x1.400x900			
Required ceiling void >				450			
Weight	Unit		kg	89,0		94,0	
Fan - Air flow rate	Cooling	Nom.	m ³ /min	69,0		89,0	
	Heating	Nom.	m ³ /min	69,0		89,0	
Fan - External static pressure	High/Nom./Low		Pa	250/250/250			
Sound power level	Cooling	Nom.	dBA	81,0		82,0	
Sound pressure level	Cooling	High	dBA	45,0		47,0	
	Heating	Low	dBA	45,0		47,0	
Piping connections	Liquid	OD	mm	9,52		12,7	
	Gas	OD	mm	22,2			
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 230			

Outdoor unit				RZQ200C		RZQ250C	
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x930x765			
Weight	Unit		kg	183		184	
Fan - Air flow rate	Cooling	Nom.	m ³ /min	171		171	
	Heating	Nom.	m ³ /min	171		171	
Fan - External static pressure	Max.		Pa	78		78	
Sound power level	Nom.		dBA	78		78	
Sound pressure level	Nom.		dBA	57		57	
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/1,975			
Piping connections	Piping length	OU - IU	Max. m	100			
	Level difference	IU - OU	Max. m	-			
Power supply	Phase / Frequency / Voltage		Hz / V	3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)		A	-			

(1) EER/COP according to Eurovent 2012



FAQ100C



RZQG100L8V1/Y1



BRC1E52A/B

BRC7EB518



- > Ideal solution for shops, restaurants or offices with no or narrow false ceilings
- > Can be installed in both new and existing buildings
- > Flat, stylish front panel blends easily within any interior décor and is more easy to clean
- > 5 different discharge angles can be programmed via the remote control
- > Maintenance operations can be performed from the front of the unit
- > No optional adapter needed for DIII-connection, link your unit into the wider building management system.

Heating & Cooling



Indoor unit			FAQ71C	FAQ100C	FAQ71C	FAQ100C	
Cooling capacity	Min./Nom./Max.	kW	-/6.8/-	-/9.5/-	-/6.8/-	-/9.5/-	
Heating capacity	Min./Nom./Max.	kW	-/7.5/-	-/10.8/-	-/7.5/-	-/10.8/-	
Power input	Cooling	Nom.	2.00	2.63	2.00	2.63	
	Heating	Nom.	2.03	3.00	2.03	3.00	
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A++				
		Pdesign	kW	6.80	9.50	6.80	9.50
		SEER		6.51	6.11	6.51	6.11
	Heating (Average climate)	Annual energy consumption	kWh	365	544	365	544
		Energy label	A+				
		Pdesign	kW	6.33	10.20	6.33	10.20
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.40	3.62	3.40	3.62	
		COP		3.70	3.61	3.70	3.61
	Annual energy consumption		kWh	1,000	1,315	1,000	1,315
	Energy label	Cooling/Heating	A/A				
Casing	Colour		Fresh White				
Dimensions	Unit	HeightxWidthxDepth	mm	290x1,050x238	340x1,200x240	290x1,050x238	340x1,200x240
Weight	Unit		kg	13	17	13	17
Fan - Air flow rate	Cooling	High/Nom./Low	m ³ /min	18/16/14	26/23/19	18/16/14	26/23/19
	Heating	High/Nom./Low	m ³ /min	18/16/14	26/23/19	18/16/14	26/23/19
Sound power level	Cooling	High/Nom./Low	dB(A)	61/58/56	65/62/58	61/58/56	65/62/58
	Heating	High/Nom./Low	dB(A)	61/58/56	65/62/58	61/58/56	65/62/58
Sound pressure level	Cooling	High/Nom./Low	dB(A)	45/42/40	49/45/41	45/42/40	49/45/41
	Heating	High/Nom./Low	dB(A)	45/42/40	49/45/41	45/42/40	49/45/41
Piping connections	Liquid	OD	mm	9.52			
	Gas	OD	mm	15.9			
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220			

Outdoor unit			RZQG71L8V1	RZQG100L8V1	RZQG71L8Y1	RZQG100L8Y1		
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320	1,430x940x320	990x940x320	1,430x940x320	
Weight	Unit		kg	78	102	80	101	
Fan - Air flow rate	Cooling	Nom.	m ³ /min	59	70	59	70	
	Heating	Nom.	m ³ /min	49	62	49	62	
Sound power level	Cooling	Nom.	dB(A)	64	66	64	66	
Sound pressure level	Cooling	Nom.	dB(A)	48	50	48	50	
	Heating	Nom.	dB(A)	50	52	50	52	
	Night quiet mode	Level 1	dB(A)	43	45	43	45	
Operation range	Cooling	Ambient	Min.-Max.	°CDB -15~50				
	Heating	Ambient	Min.-Max.	°CWB -20~-15.5				
Refrigerant	Type/GWP		R-410A/1,975					
Piping connections	Piping length	OU - IU	Max.	m	50	75	50	75
		System	Equivalent	m	70	90	70	90
	Level difference	IU - OU	Max.	m	30.0			
	IU - IU	Max.	m	0.5				
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240		3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	20	32	16	20	

(1) EER/COP according to Eurovent 2012



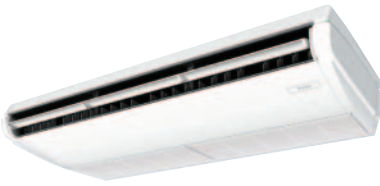
Heating & Cooling

Seasonal Classic

Indoor unit				FAQ71C	FAQ100C	FAQ100C
Cooling capacity	Min./Nom./Max.		kW	-/6.8/-		-/9.5/-
Heating capacity	Min./Nom./Max.		kW	-/7.5/-		-/10.8/-
Power input	Cooling	Nom.	kW	2.12		3.16
	Heating	Nom.	kW	2.08		3.17
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+		
		Pdesign	kW	6.80		9.50
		SEER		6.05		5.61
		Annual energy consumption	kWh	393		592
	Heating (Average climate)	Energy label		A		
		Pdesign	kW	6.00		6.81
		SCOP		3.90		4.01
		Annual energy consumption	kWh	2,155		2,377
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.21		3.01
	COP			3.61		3.41
	Annual energy consumption		kWh	1,059		1,580
	Energy label		Cooling/Heating	A/A		B/B
Casing	Colour		Fresh White			
Dimensions	Unit	HeightxWidthxDepth	mm	290x1,050x238		340x1,200x240
Weight	Unit		kg	13		17
Fan - Air flow rate	Cooling	High/Nom./Low	m ³ /min	18/16/14		26/23/19
	Heating	High/Nom./Low	m ³ /min	18/16/14		26/23/19
Sound power level	Cooling	High/Nom./Low	dBA	61/58/56		65/62/58
	Heating	High/Nom./Low	dBA	61/58/56		65/62/58
Sound pressure level	Cooling	High/Nom./Low	dBA	45/42/40		49/45/41
	Heating	High/Nom./Low	dBA	45/42/40		49/45/41
Piping connections	Liquid	OD	mm	9.52		
	Gas	OD	mm	15.9		
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220		

Outdoor unit				RZQSG71L3V1	RZQSG100L8V1	RZQSG100L8Y1
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320		990x940x320
Weight	Unit		kg	67	81	82
Fan - Air flow rate	Cooling	Nom.	m ³ /min	52		76
	Heating	Nom.	m ³ /min	48		83
Sound power level	Cooling	Nom.	dBA	65		69
Sound pressure level	Cooling	Nom./Silent operation	dBA	49/47	53/49	53/-
	Heating	Nom.	dBA	51		57
	Night quiet mode	Level 1	dBA			49
Operation range	Cooling	Ambient	Min.-Max. °CDB	-5~46		
	Heating	Ambient	Min.-Max. °CWB	-15~15.5		
Refrigerant	Type/GWP			R-410A/1,975		
Piping connections	Piping length	OU - IU	Max. m	30		50
		System	Equivalent m	40		70
	Level difference	IU - OU	Max. m	15		30.0
		IU - IU	Max. m		0.5	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240		3N~ / 50 / 380-415
Current - 50Hz	Maximum fuse amps (MFA)		A	20	32	20

(1) EER/COP according to Eurovent 2012



FHQ100-140C



RZQG100-140L8/7V1/L(8)Y1

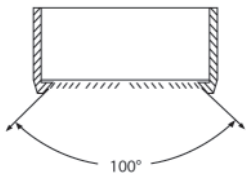


BRC1E52A/B

BRC7GA53



- > Ideal solution for commercial spaces with narrow or no false ceilings
- > The unit can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- > Low energy consumption thanks to DC fan motor and drain pump
- > Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
- > Can be installed in both new and existing buildings
- > Wider air discharge thanks to Coanda effect: up to 100°



- > Air flow distribution for ceiling heights up to 3.8m without capacity loss
- > No optional adapter needed for DIII-connection, link your unit into the wider building management system.

Heating & Cooling



Indoor unit			FHQ71C	FHQ100C	FHQ125C	FHQ140C	FHQ71C	FHQ100C	FHQ140C	
Cooling capacity	Min./Nom./Max.	kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/13.4/-	
Heating capacity	Min./Nom./Max.	kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/15.5/-	
Power input	Cooling	Nom.	1.78	2.49	3.58	4.05	1.78	2.49	4.05	
	Heating	Nom.	1.82	2.60	3.48	4.27	1.82	2.60	4.27	
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A++			A+		A++		
		Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	-
		SEER		6.95	6.11	6.01	-	6.95	6.11	-
		Annual energy consumption	kWh	342	544	698	-	342	544	-
	Heating (Average climate)	Energy label		A+		A+		A++		
		Pdesign	kW	7.60	11.30	14.13	-	7.60	11.30	-
		SCOP		4.32	4.61	4.23	-	4.32	4.61	-
		Annual energy consumption	kWh	2,462	3,431	4,676	-	2,462	3,431	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.82	3.81	3.35	3.31	3.82	3.81	3.31	
	COP		4.13	4.15	3.89	3.63	4.13	4.15	3.63	
	Annual energy consumption	kWh	890	1,245	1,790	2,025	890	1,245	2,025	
	Energy label	Cooling/Heating	A/A					A/A		
Casing	Colour	Fresh White								
Dimensions	Unit	HeightxWidthxDepth	235x1,270x690		235x1,590x690		235x1,270x690		235x1,590x690	
	Weight	Unit	32		38		32		38	
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min 20.5/17/14		28/24/20		31/27/23		34/29/24	
	Heating	High/Nom./Low	m³/min 20.5/17/14		28/24/20		31/27/23		34/29/24	
Sound power level	Cooling	High/Nom./Low	dBA 55/53/51		60/56/52		62/59/55		64/60/56	
	Heating	High/Nom./Low	dBA 55/53/51		60/56/52		62/59/55		64/60/56	
Sound pressure level	Cooling	High/Nom./Low	dBA 38/36/34		42/38/34		44/41/37		46/42/38	
	Heating	High/Nom./Low	dBA 38/36/34		42/38/34		44/41/37		46/42/38	
Piping connections	Liquid	OD	9.52							
	Gas	OD	15.9							
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50/60 / 220-240/220							

Outdoor unit			RZQG71L8V1	RZQG100L8V1	RZQG125L8V1	RZQG140L7V1	RZQG71L8Y1	RZQG100L8Y1	RZQG140L7Y1		
Dimensions	Unit	HeightxWidthxDepth	990x940x320		1,430x940x320		990x940x320		1,430x940x320		
Weight	Unit		78		102		80		101		
Fan - Air flow rate	Cooling	Nom.	m³/min 59		70		84		59		
	Heating	Nom.	m³/min 49		62		52		49		
Sound power level	Cooling	Nom.	dBA 64		66		67		69		
Sound pressure level	Cooling	Nom.	dBA 48		50		51		52		
	Heating	Nom.	dBA 50		52		53		50		
	Night quiet mode	Level 1	dBA 43		45		45		43		
Operation range	Cooling	Ambient	Min.-Max. °CDB		-15~50						
	Heating	Ambient	Min.-Max. °CWB		-20~15.5						
Refrigerant	Type/GWP	R-410A/1,975									
Piping connections	Piping length	OU - IU	Max.	m 50		75		50		75	
		System	Equivalent	m 70		90		70		90	
	Level difference	IU - OU	Max.	m		30.0					
	IU - IU	Max.	m		0.5						
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415				
Current - 50Hz	Maximum fuse amps (MFA)	A	20		32		16		20		

(1) EER/COP according to Eurovent 2012



Heating & Cooling

Seasonal Classic

SKY AIR

Indoor unit				FHQ71C	FHQ100C	FHQ125C	FHQ140C	FHQ100C	FHQ125C	FHQ140C	
Cooling capacity	Min./Nom./Max.		kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-	
Heating capacity	Min./Nom./Max.		kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-	
Power input	Cooling	Nom.	kW	1.97	2.96	4.15	4.45	2.96	4.15	4.45	
	Heating	Nom.	kW	1.88	2.99	3.73	4.54	2.99	3.73	4.54	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+			-		A+		-
		Pdesign	kW	6.80	9.50	12.00	-		9.50	12.00	-
		SEER	5.61			-		5.61		-	
		Annual energy consumption	kWh	424	592	748	-		592	748	-
	Heating (Average climate)	Energy label		A			A+		-		-
		Pdesign	kW	7.60			-		7.60		-
		SCOP	3.90			3.91		4.01		-	
		Annual energy consumption	kWh	2,727	2,721	2,653	-		2,721	2,653	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER	3.46			3.21		2.89		3.01		
	COP	4.00			3.61		3.62		3.41		
	Annual energy consumption	kWh	983			1,480		2,075		2,225	
	Energy label	Cooling/Heating	A/A			C/A		-		C/A	
Casing	Colour		Fresh White								
Dimensions	Unit	HeightxWidthxDepth	mm	235x1,270x690		235x1,590x690					
Weight	Unit	kg		32		38					
Fan - Air flow rate	Cooling	High/Nom./Low	m ³ /min	20.5/17/14	28/24/20	31/27/23	34/29/24	28/24/20	31/27/23	34/29/24	
	Heating	High/Nom./Low	m ³ /min	20.5/17/14	28/24/20	31/27/23	34/29/24	28/24/20	31/27/23	34/29/24	
Sound power level	Cooling	High/Nom./Low	dBA	55/53/51	60/56/52	62/59/55	64/60/56	60/56/52	62/59/55	64/60/56	
	Heating	High/Nom./Low	dBA	55/53/51	60/56/52	62/59/55	64/60/56	60/56/52	62/59/55	64/60/56	
Sound pressure level	Cooling	High/Nom./Low	dBA	38/36/34	42/38/34	44/41/37	46/42/38	42/38/34	44/41/37	46/42/38	
	Heating	High/Nom./Low	dBA	38/36/34	42/38/34	44/41/37	46/42/38	42/38/34	44/41/37	46/42/38	
Piping connections	Liquid	OD	mm	9.52							
	Gas	OD	mm	15.9							
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220							

Outdoor unit				RZQSG71L3V1	RZQSG100L8V1	RZQSG125L8V1	RZQSG140L1V1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140L1Y1	
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	990x940x320	1,430x940x320	990x940x320	1,430x940x320	990x940x320	1,430x940x320	
Weight	Unit	kg		67	81	102	82	101	82	101	
Fan - Air flow rate	Cooling	Nom.	m ³ /min	52	76	77	83	76	77	83	
	Heating	Nom.	m ³ /min	48	83		62	83		62	
Sound power level	Cooling	Nom.	dBA	65	69	70	69		70	69	
Sound pressure level	Cooling	Nom./Silent operation	dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-	
	Heating	Nom.	dBA	51	57	58	54	57	58	54	
	Night quiet mode	Level 1	dBA	-			-		49		
Operation range	Cooling	Ambient	Min.-Max. °CDB	-5~46							
	Heating	Ambient	Min.-Max. °CWB	-15~15.5							
Refrigerant	Type/GWP			R-410A/1,975							
Piping connections	Piping length	OU - IU	Max. m	30	-					50	
		System	Equivalent m	40	-					70	
	Level difference	IU - OU	Max. m	15	-					30.0	
		IU - IU	Max. m	0.5							
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)		A	20				32			

(1) EER/COP according to Eurovent 2012



FHQ60C



RXS-L

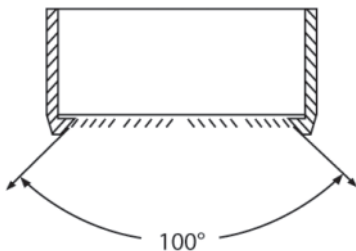


BRC1E52A/B

BRC7F530W



- > Ideal solution for commercial spaces with narrow or no false ceilings
- > The unit can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- > Low energy consumption thanks to DC fan motor and drain pump
- > Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
- > Can be installed in both new and existing buildings
- > Wider air discharge thanks to Coanda effect: up to 100°



- > Air flow distribution for ceiling heights up to 3.8m without capacity loss
- > No optional adapter needed for DIII-connection, link your unit into the wider building management system.

Heating & Cooling

Indoor unit			FHQ35C	FHQ50C	FHQ60C
Cooling capacity	Min./Nom./Max.		kW	-/3.4/-	-/5.0/-
Heating capacity	Min./Nom./Max.		kW	-/4.00/-	-/7.20/-
Power input	Cooling	Nom.	kW	0.95	1.57
	Heating	Nom.	kW	0.98	1.79
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++	
		Pdesign	kW	3.40	5.00
		SEER		6.18	5.87
	Annual energy consumption		kWh	193	298
	Heating (Average climate)	Energy label		A+	
		Pdesign	kW	3.10	4.35
SCOP			4.43	3.86	
Annual energy consumption		kWh	981	1,578	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.58	3.18	
	COP		4.08	3.35	
Annual energy consumption		kWh	475	785	
Energy label		Cooling/Heating	A/A	B/C	
Casing		Colour	Fresh White		
Dimensions	Unit	HeightxWidthxDepth	mm		235x960x690
Weight	Unit		kg		24
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min		14/11.5/10
	Heating	High/Nom./Low	m³/min		14/11.5/10
Sound power level	Cooling	High/Nom./Low	dBA		53/51/48
	Heating	High/Nom./Low	dBA		53/51/48
Sound pressure level	Cooling	High/Nom./Low	dBA		36/34/31
	Heating	High/Nom./Low	dBA		36/34/31
Piping connections	Liquid	OD	mm		6.35
	Gas	OD	mm		9.5
Power supply	Phase / Frequency / Voltage		Hz / V		1~ / 50/60 / 220-240/220

Outdoor unit			*RXS35L	*RXS50L	*RXS50L
Dimensions	Unit	HeightxWidthxDepth	mm		550x765x285
Weight	Unit		kg		34
Fan - Air flow rate	Cooling	Nom.	m³/min		36.0
	Heating	Nom.	m³/min		28.3
Sound power level	Cooling	Nom.	dBA		60
Operation range	Cooling	Ambient	Min.-Max. °CDB		-10~46
	Heating	Ambient	Min.-Max. °CWB		-15~18
Refrigerant	Type/GWP				R-410A/1,975
Piping connections	Piping length	OU - IU	Max.		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) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data



FUQ-C



RZQG100-125L8V1/Y1



BRC1E52A/B

BRC7C58



- > Ideal solution for commercial spaces with no or narrow false ceilings
- > Low energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- > Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
- > Improved comfort thanks to automatic air flow adjustment to required load
- > Individual flap control: one flap can be easily closed via the wired remote control (BRC1E52) in case you would refurbish or rearrange your interior
- > Can be installed in both new and existing buildings
- > Same outlook for all models (unified dimensions)
- > Auto swing function ensures efficient air and temperature distribution
- > Air can be discharged in 5 different angles between 0 and 60°



- > Possibility to shut 1 or 2 flaps for easy installation in corners



- > Air flow distribution for ceiling heights up to 3.5m without capacity loss
- > No optional adapter needed for Dlll-connection, link your unit into the wider building management system.



Heating & Cooling



Indoor unit				FUQ71C	FUQ100C	FUQ125C	FUQ71C	FUQ100C	FUQ125C
Cooling capacity	Min./Nom./Max.		kW	-/6.8/-	-/9.5/-	-/12.0/-	-/6.8/-	-/9.5/-	-/12.0/-
Heating capacity	Min./Nom./Max.		kW	-/7.5/-	-/10.8/-	-/13.5/-	-/7.5/-	-/10.8/-	-/13.5/-
Power input	Cooling	Nom.	kW	1.68	2.46	3.54	1.68	2.46	3.54
	Heating	Nom.	kW	1.84	2.73	3.95	1.84	2.73	3.95
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++		A+		A++	
		Pdesign	kW	6.80	9.50	12.00	6.80	9.50	12.00
		SEER		6.50	6.11	5.61	6.50	6.11	5.61
	Annual energy consumption		kWh	366	544	748	366	544	748
	Heating (Average climate)	Energy label		A+					
		Pdesign	kW	7.60	11.30	14.13	7.60	11.30	14.13
SCOP			4.20	4.50	4.44	4.20	4.50	4.44	
Annual energy consumption		kWh	2,533	3,515	4,456	2,533	3,515	4,456	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		4.05	3.86	3.39	4.05	3.86	3.39	
	COP		4.08	3.95	3.42	4.08	3.95	3.42	
	Annual energy consumption		kWh	840	1,230	1,770	840	1,230	1,770
	Energy label		Cooling/Heating	A/A		A/B		A/A	
Casing	Colour		Fresh White						
Dimensions	Unit	HeightxWidthxDepth	mm	198x950x950					
Weight	Unit		kg	25	26	25	25	26	26
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min	23/19.5/16	31/25.5/20	32.5/26.5/20.5	23/19.5/16	31/25.5/20	32.5/26.5/20.5
	Heating	High/Nom./Low	m³/min	23/19.5/16	31/25.5/20	32.5/26.5/20.5	23/19.5/16	31/25.5/20	32.5/26.5/20.5
Sound power level	Cooling	High/Nom./Low	dB(A)	59/56/51	64/60/55	65/61/56	59/56/51	64/60/55	65/61/56
	Heating	High/Nom./Low	dB(A)	59/56/51	64/60/55	65/61/56	59/56/51	64/60/55	65/61/56
Sound pressure level	Cooling	High/Nom./Low	dB(A)	41/38/35	46/42/39	47/43/40	41/38/35	46/42/39	47/43/40
	Heating	High/Nom./Low	dB(A)	41/38/35	46/42/39	47/43/40	41/38/35	46/42/39	47/43/40
Piping connections	Liquid	OD	mm	9.52					
	Gas	OD	mm	15.9					
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220					

Outdoor unit				RZQG71L8V1	RZQG100L8V1	RZQG125L8V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320	1,430x940x320	990x940x320	990x940x320	1,430x940x320	1,430x940x320
Weight	Unit		kg	78	102	80	80	101	101
Fan - Air flow rate	Cooling	Nom.	m³/min	59	70	59	59	70	70
	Heating	Nom.	m³/min	49	62	49	49	62	62
Sound power level	Cooling	Nom.	dB(A)	64	66	67	64	66	67
Sound pressure level	Cooling	Nom.	dB(A)	48	50	51	48	50	51
	Heating	Nom.	dB(A)	50	52	53	50	52	53
Operation range	Night quiet mode		Level 1	43	45	43	43	45	45
	Cooling	Ambient	Min.-Max. °CDB	-15~-50					
Refrigerant	Heating		Ambient	-20~-15.5					
	Type/GWP			R-410A/1,975					
Piping connections	Piping length	OU - IU	Max. m	50	75	50	50	75	75
		System	Equivalent m	70	90	70	70	90	90
	Level difference	IU - OU	Max. m	30.0					
Power supply	IU - IU		Max. m	0.5					
	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240			3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	20	32	16	16	20	20

(1) EER/COP according to Eurovent 2012



FVQ100-140C



RZQG100-140L8/7V1/L(8)Y1



BRC1E52A/B



- › Ideal solution for shops, restaurants or offices with no or narrow false ceilings
- › Can be installed in both new and existing buildings
- › Very efficient for use in rooms with high ceilings
- › 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 BRC1E52).
- › Improved efficiency by adoption of the DC fan motor.
- › No optional adapter needed for DIII-connection, link your unit into the wider building management system.

Heating & Cooling



Indoor unit			FVQ71C	FVQ100C	FVQ125C	FVQ140C	FVQ71C	FVQ100C	FVQ125C	FVQ140C	
Cooling capacity	Min./Nom./Max.		kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-
	Min./Nom./Max.		kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-
Power input	Cooling	Nom.	kW	2.02	2.49	3.74	4.17	2.02	2.49	3.74	4.17
	Heating	Nom.	kW	2.06	2.61	3.65	4.30	2.06	2.61	3.65	4.30
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++		A+		A++		A+	
		Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
		SEER		6.31	5.61		-	6.31	5.61		-
		Annual energy consumption	kWh	377	592	748	-	377	592	748	-
	Heating (Average climate)	Energy label		A+		A		A+		A	
		Pdesign	kW	6.33	11.30		-	6.33	11.30		-
		SCOP		4.05	4.20	3.87	-	4.05	4.20	3.87	-
		Annual energy consumption	kWh	2,188	3,766	4,087	-	2,188	3,766	4,087	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.37	3.81	3.21		3.37	3.81	3.21	
	COP			3.64	4.14	3.70	3.61	3.64	4.14	3.70	3.61
	Annual energy consumption		kWh	1,010	1,245	1,870	2,085	1,010	1,245	1,870	2,085
	Energy label		Cooling/Heating	A/A					A/A		
Casing	Colour		Fresh White								
Dimensions	Unit	HeightxWidthxDepth	mm	1,850x600x270		1,850x600x350		1,850x600x270		1,850x600x350	
Weight	Unit		kg	39		47		39		47	
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min	18/16/14	28/25/22	28/26/24	30/28/26	18/16/14	28/25/22	28/26/24	30/28/26
	Heating	High/Nom./Low	m³/min	18/16/14	28/25/22	28/26/24	30/28/26	18/16/14	28/25/22	28/26/24	30/28/26
Sound power level	Cooling	High/Nom./Low	dB(A)	55/53/50	62/59/56	63/60/58	65/63/60	55/53/50	62/59/56	63/60/58	65/63/60
	Heating	High/Nom./Low	dB(A)	55/53/50	62/59/56	63/60/58	65/63/60	55/53/50	62/59/56	63/60/58	65/63/60
Sound pressure level	Cooling	High/Nom./Low	dB(A)	43/41/38	50/47/44	51/48/46	53/51/48	43/41/38	50/47/44	51/48/46	53/51/48
	Heating	High/Nom./Low	dB(A)	43/41/38	50/47/44	51/48/46	53/51/48	43/41/38	50/47/44	51/48/46	53/51/48
Piping connections	Liquid	OD	mm	9.52							
	Gas	OD	mm	15.9							
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220							

Outdoor unit				RZQG71L8V1	RZQG100L8V1	RZQG125L8V1	RZQG140L7V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320		1,430x940x320		990x940x320		1,430x940x320	
Weight	Unit		kg	78		102		80		101	
Fan - Air flow rate	Cooling	Nom.	m³/min	59		70		59		70	
	Heating	Nom.	m³/min	49		62		49		62	
Sound power level	Cooling	Nom.	dB(A)	64		66		64		66	
Sound pressure level	Cooling	Nom.	dB(A)	48		50		48		50	
	Heating	Nom.	dB(A)	50		52		50		52	
	Night quiet mode	Level 1	dB(A)	43		45		43		45	
Operation range	Cooling	Ambient	Min.-Max. °CDB	-15~-50							
	Heating	Ambient	Min.-Max. °CWB	-20~-15.5							
Refrigerant	Type/GWP			R-410A/1,975							
Piping connections	Piping length	OU - IU	Max. m	50		75		50		75	
		System	Equivalent m	70		90		70		90	
	Level difference	IU - OU	Max. m	30.0							
		IU - IU	Max. m	0.5							
Power supply	Phase / Frequency / Voltage			1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			20		32		16		20	

(1) EER/COP according to Eurovent 2012



Heating & Cooling

Seasonal Classic

Indoor unit				FVQ71C	FVQ100C	FVQ125C	FVQ140C	FVQ100C	FVQ125C	FVQ140C			
Cooling capacity	Min./Nom./Max.		kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-			
Heating capacity	Min./Nom./Max.		kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-			
Power input	Cooling	Nom.	kW	2.12	2.96	4.27	4.45	2.96	4.27	4.45			
	Heating	Nom.	kW	2.08	2.99	3.96	4.54	2.99	3.96	4.54			
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A			A			-			
		Pdesign	kW	6.80	9.50	12.00	-	9.50	12.00	-	-		
		SEER		5.50			-			5.50		-	
		Annual energy consumption	kWh	433	604	763	-	604	763	-	-		
	Heating (Average climate)	Energy label		A			A			A		-	
		Pdesign	kW	6.33	7.60		-		7.60		-		
		SCOP		3.86	4.01	3.85	-		4.01	3.85	-		
		Annual energy consumption	kWh	2,296	2,653	2,763	-		2,653	2,763	-		
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.21		2.81		3.01		3.21			
	COP			3.61		3.41		3.61		3.41			
	Annual energy consumption		kWh	1,059	1,480	2,135	2,225	1,480	2,135	2,225	-		
	Energy label		Cooling/Heating	A/A		C/B		A/A		C/B			
Casing	Colour		Fresh White										
Dimensions	Unit	HeightxWidthxDepth	mm	1,850x600x270			1,850x600x350						
Weight	Unit		kg	39			47						
Fan - Air flow rate	Cooling	High/Nom./Low	m ³ /min	18/16/14	28/25/22	28/26/24	30/28/26	28/25/22	28/26/24	30/28/26			
	Heating	High/Nom./Low	m ³ /min	18/16/14	28/25/22	28/26/24	30/28/26	28/25/22	28/26/24	30/28/26			
Sound power level	Cooling	High/Nom./Low	dB(A)	55/53/50	62/59/56	63/60/58	65/63/60	62/59/56	63/60/58	65/63/60			
	Heating	High/Nom./Low	dB(A)	55/53/50	62/59/56	63/60/58	65/63/60	62/59/56	63/60/58	65/63/60			
Sound pressure level	Cooling	High/Nom./Low	dB(A)	43/41/38	50/47/44	51/48/46	53/51/48	50/47/44	51/48/46	53/51/48			
	Heating	High/Nom./Low	dB(A)	43/41/38	50/47/44	51/48/46	53/51/48	50/47/44	51/48/46	53/51/48			
Piping connections	Liquid	OD	mm	9.52									
	Gas	OD	mm	15.9									
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220									

Outdoor unit				RZQSG71L3V1	RZQSG100L8V1	RZQSG125L8V1	RZQSG140L1V1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140L1Y1	
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	990x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320	
Weight	Unit		kg	67	81	102	82	101	101	101	
Fan - Air flow rate	Cooling	Nom.	m ³ /min	52	76	77	83	76	77	83	
	Heating	Nom.	m ³ /min	48	83		62	83		62	
Sound power level	Cooling	Nom.	dB(A)	65	69	70	69		70	69	
Sound pressure level	Cooling	Nom./Silent operation	dB(A)	49/47	53/49	54/49	53/49	53/-	54/-	53/-	
	Heating	Nom.	dB(A)	51	57	58	54	57	58	54	
	Night quiet mode	Level 1	dB(A)	-			-		49		-
Operation range	Cooling	Ambient	Min.-Max. °CDB	-5~46							
	Heating	Ambient	Min.-Max. °CWB	-15~15.5							
Refrigerant	Type/GWP			R-410A/1,975							
Piping connections	Piping length	OU - IU	Max. m	30						50	
		System	Equivalent m	40						70	
	Level difference	IU - OU	Max. m	15						30.0	
		IU - IU	Max. m								
Power supply	Phase / Frequency / Voltage			1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32		20		20	

(1) EER/COP according to Eurovent 2012



ACQ71C



AZQS71BV1



ARCWLA



SEASONAL EFFICIENCY
Smart use of energy

Siesta



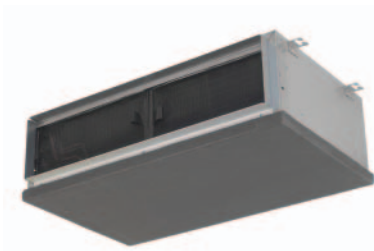
Heating & Cooling

Indoor unit				*ACQ71C		*ACQ100C		*ACQ125C	
Cooling capacity	Min./Nom./Max.		kW	-/6.8/-		-/9.5/-		-/12.1/-	
Heating capacity	Min./Nom./Max.		kW	-/7.50/-		-/10.80/-		-/13.5/-	
Power input	Cooling	Nom.	kW	2.05		2.96		4.02	
	Heating	Nom.	kW	2.08		2.99		3.96	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B		-		-	
		Pdesign	kW	6.33		7.60		-	
		SEER		4.65		-		-	
	Annual energy consumption		kWh	476		572		-	
	Heating (Average climate)	Energy label		A		-		-	
		Pdesign	kW	6.33		7.60		-	
SCOP			3.80		-		-		
Annual energy consumption		kWh	2,332		2,800		-		
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.31		3.21		3.01	
	COP			3.61		-		3.41	
	Annual energy consumption		kWh	1,027		1,480		2,010	
Dimensions	Unit	HeightxWidthxDepth		265x820x820		300x820x820			
	Weight	Unit		31		39			
Decoration panel	Dimensions	HeightxWidthxDepth		75x170x170					
	Weight	Unit		4					
Sound power level	Cooling	High/Nom./Low	dBA	54/50/48		56/54/53		60/56/54	
	Heating	High/Nom./Low	dBA	54/50/48		56/54/53		60/56/54	
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	41/38/35/32		44/41/38/36		47/44/43/41	
	Heating	High/Nom./Low/Silent operation	dBA	41/38/35/32		44/41/38/36		47/44/43/41	
Piping connections	Liquid	OD	mm	9.52		15.88			
	Gas	OD	mm	15.88					
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240					

Outdoor unit				AZQS71BV1	AZQS100BV1	AZQS125BV1	AZQS100BY1	AZQS125BY1
Dimensions	Unit	HeightxWidthxDepth		770x900x320		990x940x320		
Weight	Unit	kg		67		81		82
Fan - Air flow rate	Cooling	Nom.	m ³ /min	52.0		76		77
	Heating	Nom.	m ³ /min	48.0		83		76
Sound power level	Cooling	Nom.	dBA	64		70		71
Sound pressure level	Cooling	Nom./Silent operation	dBA	48/43		53/-		54/-
	Heating	Nom.	dBA	50		57		58
	Night quiet mode	Level 1	dBA	-		49		57
Operation range	Cooling	Ambient	Min.~Max. °CDB	-		-5~46		
	Heating	Ambient	Min.~Max. °CWB	-		-15~15.5		
Refrigerant	Type/GWP			R-410A/1,975				
Piping connections	Piping length	OU - IU	Max. m	30		50		
		System	Equivalent m	40		70		
	Level difference	IU - OU	Max. m	15.0		30.0		
		IU - IU	Max. m	-		0.5		
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240		3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	20		-		

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data



ABQ71C



AZQS71BV1



ARCWA



- > 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
- > Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- > Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- > Compact dimensions, can easily be mounted in a narrow ceiling void
- > Air filter removes airborne dust particles to ensure a steady supply of clean air
- > Easy installation and maintenance



Heating & Cooling

Indoor unit				ABQ71C	ABQ100C	ABQ125C	ABQ140C	ABQ125C	ABQ140C
Cooling capacity	Min./Nom./Max.		kW				*		
Heating capacity	Min./Nom./Max.		kW				*		
Power input	Cooling	Nom.	kW				*		
	Heating	Nom.	kW				*		
Seasonal efficiency (according to EN14825)	Cooling	Energy label		*				-	
		Pdesign	kW	*				-	
		SEER		*				-	
		Annual energy consumption	kWh	*				-	
	Heating (Average climate)	Energy label		*				-	
		Pdesign	kW	*				-	
SCOP			*				-		
Annual energy consumption	kWh	*				-			
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER						*		
	COP						*		
Annual energy consumption			kWh				*		
	Energy label	Cooling/Heating					*		
Dimensions	Unit	HeightxWidthxDepth		mm	285x1,007x600	*	378x1,388x541	378x1,588x541	378x1,388x541
Weight	Unit			kg	35	*	50.0	56.0	50.0
Fan - Air flow rate	Cooling	High/Nom./Low	m ³ /min			*		-/-	
	Heating	High/Nom./Low	m ³ /min			*		-/-	
Fan - External static pressure	Super high/High	Nom./Low	Pa				*		
Sound power level	Cooling	Super high/High/Nom./Low	dBA				*		
	Heating	High/Nom./Low	dBA				*		
Sound pressure level	Cooling	Super high/High/Nom./Low	dBA				*		
	Heating	High/Nom./Low	dBA				*		
Piping connections	Liquid	OD	mm				9.52		
	Gas	OD	mm				15.88		
Power supply	Phase / Frequency / Voltage		Hz / V				1 ~ / 50 / 220-240		

Outdoor unit				AZQS71BV1	AZQS100BV1	AZQS125BV1	AZQS140BV1	AZQS100BY1	AZQS125BY1	AZQS140BY1	
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320		990x940x320	
Weight	Unit			kg	67	81		102		82	
Fan - Air flow rate	Cooling	Nom.	m ³ /min	52.0	76	77	83	76	77	83	
	Heating	Nom.	m ³ /min	48.0	83		62	83		62	
Sound power level	Cooling	Nom.	dBA	64	70	71	70		71	70	
Sound pressure level	Cooling	Nom./Silent operation	dBA	48/43	53/-	54/-	53/-		54/-	53/-	
	Heating	Nom.	dBA	50	57	58	54	57	58	54	
	Night quiet mode	Level 1	dBA	-			49				
Operation range	Cooling	Ambient	Min.-Max. °CDB	-5~46							
	Heating	Ambient	Min.-Max. °CWB	-15~15.5							
Refrigerant	Type/GWP		R-410A/1,975								
Piping connections	Piping length	OU - IU	Max.	m	30						50
		System	Equivalent	m	40						70
	Level difference	IU - OU	Max.	m	15.0						30.0
		IU - IU	Max.	m	-						0.5
Power supply	Phase / Frequency / Voltage		Hz / V		1 ~ / 50 / 220-240				3N ~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	20						-	

(1) EER/COP according to Eurovent 2012

* no information available yet

*Note: grey cells contain preliminary data



AHQ125CV1



AZQS140BV1/BY1



ARCWLA



- > Ideal solution for shops, restaurants or offices with no or narrow false ceilings
- > Can be installed in both new and existing buildings
- > Air filter removes airborne dust particles to ensure a steady supply of clean air
- > Easy installation and maintenance




Heating & Cooling

Indoor unit			AHQ71C	AHQ100C	AHQ125C	AHQ140C	AHQ100C	AHQ125C	AHQ140C	
Cooling capacity	Min./Nom./Max.	kW	-/6.8/-	-/9.5/-	-/12.1/-	-/13.0/-	-/9.5/-	-/12.1/-	-/13.0/-	
Heating capacity	Min./Nom./Max.	kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-	
Power input	Cooling	Nom.	2.24	3.62	4.60	4.32	4.32	4.60	4.32	
	Heating	Nom.	2.46	3.17	3.74	4.55	3.17	3.74	4.55	
Seasonal efficiency (according to EN14825)	Cooling	Energy label	B			-	B	-	-	
		Pdesign	6.80	9.50	-	9.50	-	-		
		SEER	4.65	4.60	-	4.60	-	-		
		Annual energy consumption	kWh	511	723	-	723	-	-	
	Heating (Average climate)	Energy label	A			-	A	-	-	
		Pdesign	6.33	7.60	-	7.60	-	-		
	SCOP	3.80			-	3.80	-	-		
	Annual energy consumption	kWh	2,332	2,800	-	2,800	-	-		
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.03	2.62	2.63	3.01	2.62	2.63	3.01	
	COP		3.05	3.41	3.61	3.41	3.61	3.41	3.61	
	Annual energy consumption	kWh	1,120	1,810	2,300	2,159	1,810	2,300	2,159	
	Energy label	Cooling/Heating	B/D	D/B	D/A	B/B	D/B	D/A	B/B	
Casing	Colour		White							
Dimensions	Unit	HeightxWidthxDepth	mm	260x1,320x634	260x1,538x634	260x1,786x634	285x1,902x680	260x1,538x634	260x1,786x634	285x1,902x680
Weight	Unit		kg	38	45	54	70	45	54	70
Fan - Air flow rate	Cooling	High/Nom./Low	m ³ /min	23.8/21.3/18.9	31.1/27.8/24.8	34.4/30.6/27.2	43.9/39.1/28.3	31.1/27.8/24.8	34.4/30.6/27.2	43.9/39.1/28.3
	Heating	High/Nom./Low	m ³ /min	23.8/21.3/18.9	31.1/27.8/24.8	34.4/30.6/27.2	43.9/39.1/28.3	31.1/27.8/24.8	34.4/30.6/27.2	43.9/39.1/28.3
Fan - External static pressure	High/Nom./Low		Pa	0/0/0						
Sound power level	Cooling	High	dBA	62	64	69	70	64	69	70
	Heating	High	dBA	62	64	69	70	64	69	70
Sound pressure level	Cooling	High/Nom./Low	dBA	49/48/46	52/47/46	52/50/49	56/53/46	52/47/46	52/50/49	56/53/46
	Heating	High/Nom./Low	dBA	49/48/46	52/47/46	52/50/49	56/53/46	52/47/46	52/50/49	56/53/46
Piping connections	Liquid	OD	mm	9.52						
	Gas	OD	mm	15.88						
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240							

Outdoor unit			AZQS71BV1	AZQS100BV1	AZQS125BV1	AZQS140BV1	AZQS100BY1	AZQS125BY1	AZQS140BY1
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	990x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320
Weight	Unit		kg	67	81	102	82	101	101
Fan - Air flow rate	Cooling	Nom.	m ³ /min	52.0	76	77	83	76	77
	Heating	Nom.	m ³ /min	48.0	83	62	83	77	62
Sound power level	Cooling	Nom.	dBA	64	70	71	70	71	70
Sound pressure level	Cooling	Nom./Silent operation	dBA	48/43	53/-	54/-	53/-	54/-	53/-
	Heating	Nom.	dBA	50	57	58	54	57	58
	Night quiet mode	Level 1	dBA	-	-	-	49	-	-
Operation range	Cooling	Ambient	Min.-Max.	°CDB -5~46					
	Heating	Ambient	Min.-Max.	°CWB -15~15.5					
Refrigerant	Type/GWP		R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	30	50			
		System	Equivalent	m	40	70			
	Level difference	IU - OU	Max.	m	15.0	30.0			
		IU - IU	Max.	m	-	0.5			
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240						3N~ / 50 / 380-415
Current - 50Hz	Maximum fuse amps (MFA)	A	20	-					

(1) EER/COP according to Eurovent 2012

- > Re-use of existing R-22 or R-407C piping 
- > Down to -15°C in heating mode
- > Standard night quiet mode
- > Maximum piping length up to 100m
- > Maximum installation height difference up to 30m




	FCQG-F					FFQ-C		FDXS-F(9)		FBQ-C8					FHQ-C					FUQ-C			FAQ-C		FDQ-C		
page	141					147		89		148					156					159			154		152		
capacity class	50	60	71	100	125	50	60	50	60	50	60	71	100	125	50	60	71	100	125	71	100	125	71	100	71	100	125
RZQ200C	4	3	3	2		4	3	4	3	4	3	3	2		4	3	3	2		3	2		3	2	3	2	
RZQ250C		4			2		4		4		4			4		2			2			2					2



CONNECTABLE OUTDOOR UNITS					RZQ200C		RZQ250C		
Outdoor unit									
Dimensions	Unit	HeightxWidthxDepth	mm		1,680x930x765				
Weight	Unit			kg		183		184	
Fan - Air flow rate	Cooling	Nom.	m ³ /min		171				
	Heating	Nom.	m ³ /min		171				
Fan - External static pressure	Max.		Pa		78				
	Sound power level		Nom.		dBA		78		
Sound pressure level		Nom.		dBA		57			
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/1,975				
Piping connections	Piping length		OU - IU	Max.	m		100		
	Level difference		IU - OU	Max.	m		-		
Power supply	Phase / Frequency / Voltage		Hz / V		3N~ / 50 / 380-415				
Current - 50Hz	Maximum fuse amps (MFA)		A		20				



- > Seasonal efficiency, optimized for all seasons
- > Seasonal smart series comply with the EU's 2014 Eco-Design requirements
- > Suits computer room applications (EDP)
- > Re-use of existing R-22 or R-407C technology 
- > Down to -20°C in heating mode
- > Standard night quiet mode
- > Maximum piping length up to 75m
- > Minimum piping length: no limitation
- > Compatibility with D-BACS



	FCQH-G-F	FCQG-F				FFQ-C			FDXS-F (9)			FBQ-C8				FHQ-C				FAQ-C	FUQ-C	
page	144	142				147			89			148				156				154	159	
capacity class	71	35	50	60	71	35	50	60	35	50	60	35	50	60	71	35	50	60	71	71	71	
RZQG71L8V1	RZQG71L8Y1	2				2			2			2				2						
RZQG100L8V1	RZQG100L8Y1	3	2			3	2		3	2		3	2			3	2					
RZQG125L8V1	RZQG125L8Y1	4	3	2		4	3	2	4	3	2	4	3	2		4	3	2				
RZQG140L7V1	RZQG140LY1	2	4	3		2	4	3		4	3		4	3		2	4	3		2	2	2

Seasonal Smart



Outdoor unit				RZQG71L8V1	RZQG100L8V1	RZQG125L8V1	RZQG140L7V1	RZQG71L8Y1	RZQG100L8Y1	RZQG125L8Y1	RZQG140LY1		
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320		1,430x940x320		990x940x320		1,430x940x320			
Weight	Unit		kg	78		102		80		101			
Fan - Air flow rate	Cooling	Nom.	m ³ /min	59		70		59		70		84	
	Heating	Nom.	m ³ /min	49		62		49		62			
Sound power level	Cooling	Nom.	dB(A)	64	66	67	69	64	66	67	69		
	Heating	Nom.	dB(A)	48	50	51	52	48	50	51	52		
Sound pressure level	Heating	Nom.	dB(A)	50	52	53		50	52	53			
	Night quiet mode	Level 1	dB(A)	43		45		43		45			
Operation range	Cooling	Ambient	Min.-Max. °CDB	-15~50									
	Heating	Ambient	Min.-Max. °CWB	-20~-15.5									
Refrigerant	Type/GWP	R-410A/1,975											
Piping connections	Piping length	OU - IU	Max. m	50		75		50		75			
		System	Equivalent m	70		90		70		90			
	Level difference	IU - OU	Max. m	30.0									
		IU - IU	Max. m	0.5									
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240									3N~ / 50 / 380-415	
Current - 50Hz	Maximum fuse amps (MFA)	A	20		32		16		20				



- > Seasonal efficiency, optimized for all seasons
- > Re-use of existing R-22 or R-407C technology
- > Down to -15°C in heating mode
- > Maximum piping length up to 50m
- > Minimum piping length: no limitation
- > Compatibility with D-BACS



	FCQHG-F	FCQG-F				FFQ-C			FDXS-F(9)			FBQ-C8				FHQ-C				FAQ-C	
Page	144	141				147			89			148				156				154	
capacity class	71	35	50	60	71	35	50	60	35	50	60	35	50	60	71	35	50	60	71	71	
RZQSG71L3V1		2				2			2			2				2					
RZQSG100L8V1	RZQSG100L8Y1	3	2			3	2		3	2		3	2			3	2				
RZQSG125L8V1	RZQSG125L8Y1	4	3	2		4	3	2	4	3	2	4	3	2		4	3	2			
RZQSG140LV1	RZQSG140LY1	2	4	3		2	4	3		4	3		4	3		2	4	3		2	2

Heating & Cooling

Seasonal Classic



Outdoor unit				RZQSG71L3V1	RZQSG100L8V1	RZQSG125L8V1	RZQSG140LV1	RZQSG100L8Y1	RZQSG125L8Y1	RZQSG140LY1	
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320	
Weight	Unit		kg	67	81		102	82		101	
Fan - Air flow rate	Cooling	Nom.	m ³ /min	52	76	77	83	76	77	83	
	Heating	Nom.	m ³ /min	48	83		62	83		62	
Sound power level	Cooling	Nom.	dBA	65	69	70	69		70	69	
	Heating	Nom./Silent operation	dBA	49/47	53/49	54/49	53/49	53/-	54/-	53/-	
Sound pressure level	Heating	Nom.	dBA	51	57	58	54	57	58	54	
	Night quiet mode	Level 1	dBA	-							49
Operation range	Cooling	Ambient	Min.~Max. °CDB	-5.0~46	-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/1,975							
Piping connections	Piping length	OU - IU	Max.	m	30	50					
		System	Equivalent	m	40	70					
	Level difference	IU - OU	Max.	m	15	30.0					
	IU - IU	Max.	m	0.5							
Power supply	Phase / Frequency / Voltage			1~ / 50 / 220-240				3N~ / 50 / 380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32		20			

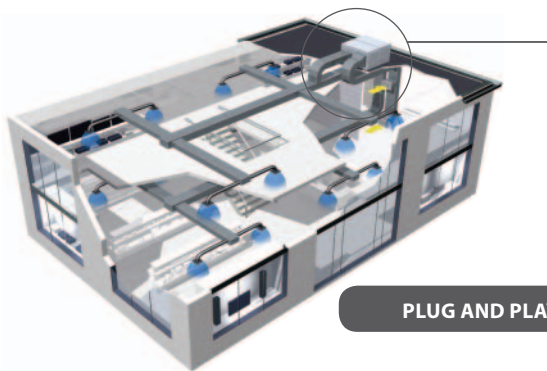


UATYQ-CY1



Remote control

- > 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



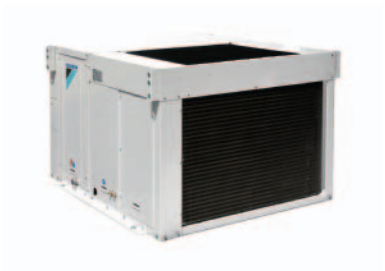
PLUG AND PLAY INSTALLATION

Heating & Cooling

Indoor unit				UATYQ250CY1	UATYQ350CY1	UATYQ450CY1	UATYQ550CY1	UATYQ600CY1	UATYQ700CY1	
Cooling capacity	Nom.		kW	27.340	35.580	44.720	55.690.000	66.820	72.600	
Heating capacity	Nom.		kW	24.910	34.790	41.790	53.930	61.690	69.610	
Power input	Cooling	Nom.	kW	8.140	10.780	13.040	16.740	19.650	21.610	
	Heating	Nom.	kW	7.330	10.840	12.860	15.540	18.580	21.420	
EER				3.36	3.30	3.43	3.33	3.40	3.36	
COP				3.40	3.21	3.25	3.47	3.32	3.25	
Evaporator	Air flow rate	Cooling	m ³ /min	93.6	121.8	160.2	189.6	206.7	235.02	
	External static pressure		Pa				147	206		
Evaporator piping connections	Condensation drain size	OD	mm	25.4						
Condenser	Dimensions	Unit	HxWxD mm	1,150x1,638x2,063	1,028x2,209x2,113	1,130x2,209x2,113	1,048x2,209x2,670	1,302x2,209x2,670	1,454x2,209x2,670	
	Weight	Unit	kg	445	580	610	830	880	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	
	Refrigerant	Type		R-410A						
	Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415					

Economiser option

Indoor unit				ECONO250AY1	ECONO350AY1	ECONO450AY1	ECONO550AY1	ECONO600AY1	ECONO700AY1	
Dimensions	Packed unit	Height	mm	534						
		Width	mm	1,440	1,430			1,458		
		Depth	mm	1,144	1,124			1,564		
Weight	Unit	kg	51	42	43	53	54	69		
Packing	Weight	kg	152	140	141	165	166	181		
Fan	Air flow rate	Cooling	Nom.	l/s	1,560	2,030	2,670	3,160	3,445	3,917
				cfm	3,300	4,300	5,650	6,700	7,300	8,300
Option for				UATYQ250CY1	UATYQ350CY1	UATYQ450CY1	UATYQ550CY1	UATYQ600CY1	UATYQ700CY1	



UATYP-AY1(B)



Remote control

- > 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



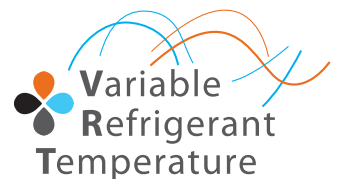
Heating & Cooling

Indoor unit				UATYP850AY1B	UATYP10AY1	UATYP12AY1	
Cooling capacity	Nom.		kW	78.6	101.110	109.609	
Heating capacity	Nom.		kW	87.78	102.290	126.314	
Power input	Cooling	Nom.	kW	36.10	43.170	48.200	
	Heating	Nom.	kW	32.10	41.670	46.800	
EER				2.18	2.34	2.27	
COP				2.73	2.45	2.70	
Evaporator	Air flow rate	Cooling	m ³ /min	263.33	312	354	
	External static pressure		Pa		294		
Evaporator piping connections	Condensation drain size		OD		25.40		
Condenser	Dimensions	Unit	Height/Width/Depth	1,735x2,250x2,800	1,974x2,252x3,180		
	Weight	Unit	kg	1,350	1,510	1,600	
	Casing	Colour			Light grey		
		Material			-	Electro-galvanised mild steel	
	Air flow rate	Cooling	cfm	-	20,000		
	Operation range	Cooling	Min.~Max.	°CDB	20~46		
		Heating	Min.~Max.	°CWB	-15~-20		
	Sound power level	Nom.		dBA	-		
	Refrigerant	Type			R-407C		
	Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415	3~/50/380-415	



3 revolutionary standards

- ✓ Variable refrigerant temperature
- ✓ Continuous comfort during defrost
- ✓ VRV configurator



- ✓ Improved mix mode efficiency
- ✓ Improved flexibility
- ✓ Connectable to HT and LT hydroboxes
- ✓ Free combination of outdoor units and BS boxes
- ✓ Improved installation speed
- ✓ Fully redesigned multi BS boxes

VRV IV
Heat recovery

Available
spring 2014



MEDIUM TO LARGE COMMERCIAL APPLICATIONS

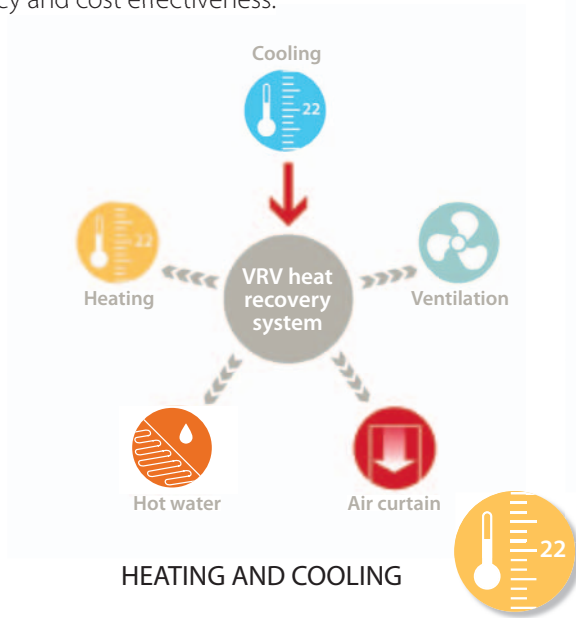
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REYHQ-P	188	FXDQ-A	209
REYAQ-P	189	FXSQ-P / FXMQ-P7	210
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The VRV air conditioning system is the world's first individual air conditioning system with variable refrigerant flow control and was commercialized by Daikin in 1982. VRV is the trademark of Daikin Industries, Ltd, which is derived from the technology we call "variable refrigerant volume".

For more information on Options & Accessories, please refer to page 356 of this catalogue.

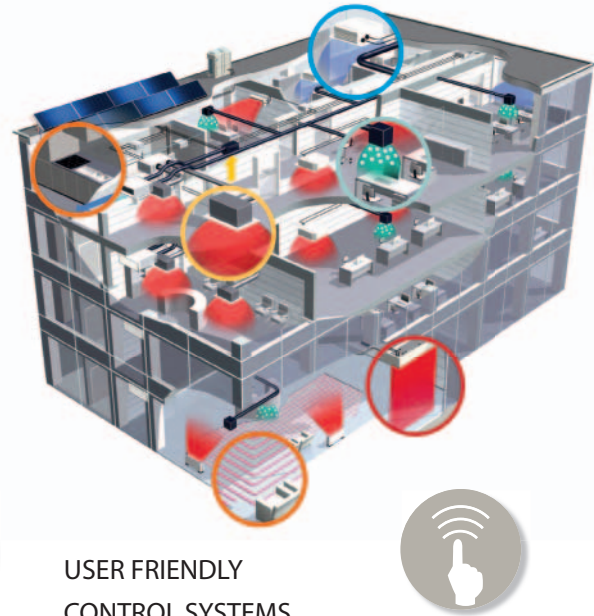
Total solution concept

The Daikin VRV Total Solution provides a single point of contact for the design and maintenance of your integrated climate control system. Our modular units enable you to select the right mix of equipment and technology to ensure that you achieve the optimal balance of temperature, humidity and air freshness for the perfect comfort zone with maximum energy efficiency and cost effectiveness.



Wide range of indoor units that fit rooms of any size and shape

- › Perfect comfort
- › Whisper-quiet operation
- › Stylish design
- › Concealed installation possible



Full control for maximum efficiency

- › From individual control to the management of multiple buildings
- › User friendly touch screen control
- › Remote control & monitoring via internet
- › Zone control
- › Energy management tools
- › Easy F-gas compliance via remote refrigerant containment check

+
SAVE UP TO 15%
COMPARED TO
TRADITIONAL
SYSTEMS



VRV OUTDOOR UNITS

Integrated heat pump solution

- › Solution for every climate from -25°C to +52°C¹
- › Flexible to fit any building
- › Can be customized to your specific needs to achieve the highest seasonal efficiency
- › The new standard in heating comfort

¹ Contact your local dealer



AIR SEPARATION THROUGH AIR CURTAINS

A highly efficient solution to doorway climate separation

- › Most efficient open-door solution
- › Air curtain heating for free
- › Year-round comfort, even on the most demanding days



VENTILATION

Create a high-quality indoor environment

- › Heat is reclaimed between out and indoor air
- › Free cooling
- › Optimum control of humidity
- › Air filtration ensures a steady supply of clean air
- › Complete plug & play solution to connect to air handling units available



HOT WATER

Use renewable energy to produce hot water

- › Free heating of water possible
- › Possibility to combine with solar panels
- › Hot water for showers, sinks, tap water for cleaning, under floor heating or radiators
- › Hot water up to 80°C

+
SAVE UP TO 72%
COMPARED TO
AN ELECTRIC AIR
CURTAIN

+
SAVE UP TO 40%
THANKS TO
LOWER COOLING
AND HEATING
REQUIREMENTS

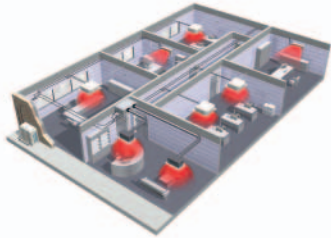
+
SAVE UP TO 17%
COMPARED TO A
GAS BOILER



Which VRV outdoor system offers me the best solution?

Air cooled outdoor systems

VRV HEAT PUMP



- › For either heating or cooling operation from one system

VRV IV HEAT PUMP

- › Customize your VRV for best seasonal efficiency & comfort with Variable Refrigerant Temperature
- › Continuous comfort: Unique continuous heating technology makes VRV IV the best alternative to traditional heating systems
- › VRV configurator software for the fastest and most accurate commissioning, configuration and customisation
- › Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)

OTHER VRV HEAT PUMPS

VRV VIII-S	VRV VIII-C	VRV CLASSIC
<p>VRV VIII-S Heat Pump</p> <ul style="list-style-type: none"> › Especially designed for small capacities › Space saving design › Either connect VRV or stylish indoor units: Daikin Emura, Nexura... 	<p>VRV Heat Pump optimised for heating</p> <ul style="list-style-type: none"> › First system in the industry developed for heating operation at low ambient conditions. › Extended operation range for heating down to -25°C › Stable heating capacity and high efficiencies at low ambient temperatures (COP > 3 at -10°C outdoor temperature) 	<p>VRV Classic</p> <ul style="list-style-type: none"> › For smaller projects with standard cooling & heating requirements › Connectable to all VRV indoor units, controls and ventilation

VRV HEAT RECOVERY



- › For simultaneous heating and cooling from one system
- › Heat exhausted from indoor units in the cooling cycle is merely transferred to units in areas requiring heat, maximising energy efficiency, reducing electricity costs and leading to high partload efficiencies (up to 9¹).
- › Operation range in cooling down to -20°C (technical cooling)

SMALL FOOTPRINT COMBINATION	HIGH COP COMBINATION	VRV heat recovery, with connection to HEATING ONLY HYDROBOX
<ul style="list-style-type: none"> › Optimized footprint within heat recovery range 	<ul style="list-style-type: none"> › Top energy efficiency in Daikin heat recovery range 	<ul style="list-style-type: none"> › Fully integrated system › Free hot water

¹ REYQ8P8 50% cooling – 50% heating load. Conditions: outdoor temperature 11°CDB, indoor temperature 18°CWB, 22°CDB.

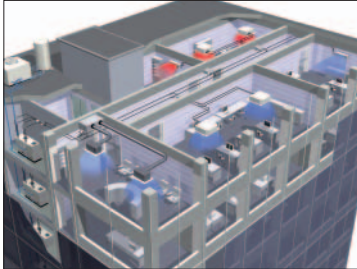
REPLACEMENT VRV



- › For cost-effective upgrade from R-22/R-407C to R-410A

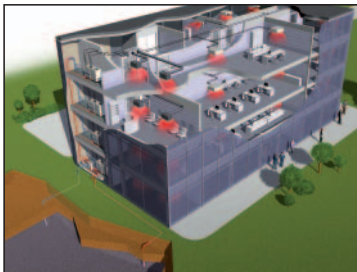
- › Efficiency gains of more than 70% can be realized compared to R-22/R-407C systems
- › Fast & cost effective installation compared to total system replacement (re-use of existing piping and in some cases indoor units)
- › Variable Refrigerant Temperature
- › VRV configurator
- › Available in heat recovery and heat pump

Water cooled outdoor systems



- › Allows heat recovery within the total building, thanks to the storage of energy in the water circuit.
- › Compact design and stacked configuration possible.
- › Suitable for multi-storey and large buildings because of the hardly unlimited possibilities of water piping.

VRV IVW-series



- › Unified range for standard and geothermal operation
- › 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
- › Available in heat pump and heat recovery
- › Variable Water Flow control option increases flexibility and control

Products overview - VRV outdoor

System	Type	Product name	4	5	6	8	10	12	14	16	18	20	22	
AIR COOLED	HEAT PUMP	VRV IV RYYQ-T Heat pump with continuous heating				Single unit						Multi combination		
		VRV IV RXYQ-T Heat pump without continuous heating				Single unit						Multi combination		
		VRV III-S RXYSQ-P8V1 (Single phase) RXYSQ-P8Y1 (Three phase)		Single unit										
		VRV III-C RTSYQ-PA Heat pump optimised for heating												
		VRV Classic RXYCQ-A				Single unit								
	HEAT RECOVERY	VRV IV REYQ-T				Single unit						Multi combination		
		VRV III REYQ-P8/P9 Small footprint combination				Single unit						Multi combination		
		VRV III REYHQ-P High COP combination												
		VRV III REYAQ-P for connection with heating only hydrobox					Single unit							
WATER COOLED	HEAT RECOVERY HEAT PUMP	VRV IV W-series RWEYQ-T				Single unit					Multi combination			

System	Type	Product name	4	5	8	10	12	13	14	16	18	20	22
Capacity class				140		280		360		460	500	540	636
AIR COOLED	REPLACE VRV HEAT RECOVERY - HEAT PUMP	VRV IV Q-series RXYQQ-T VRVIV-Q - H/P		Single unit					Multi combination				
		VRV III-Q RQCEQ-P VRVIII-Q - H/R											

- Single unit
- Multi combination

¹ Not a standard combination (free combination)

✓ : component is connectable
 X : component is not connectable

Not all components are connectable at the same time to one outdoor unit.

Refer to the engineering databook for more information.



Capacity (HP)

24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	Indoor units	Ventilation	Air curtain	Hydrobox connection	Control systems
																✓	✓	✓	✓	✓
																✓	✓	✓	✓	✓
																✓	✓	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓
																✓	X	X	✓	✓

Capacity (HP)

24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54					
712	744	816	848													✓	X	✓	✓	✓

VRV type indoor units (such as FXSQ)	✓
Residential type indoor units (such as Daikin Emura)	X
Heat Reclaim ventilation (such as VAM)	✓
Fresh air indoor units (such as FXMQ-MF)	✓
AHU connection kit (such as EKEVI)	✓
Biddle Air curtain for VRV (CVV)	✓
Low temperature hydrobox for VRV	X
High temperature hydrobox for VRV	X
Individual control (such as BRC)	✓
Centralised control (such as DCS3*/DST)	✓
Network solutions (such as DCS6*/DAM/DMS)	✓

VRV IV sets the standard ...again

VRV + 3 revolutionary standards



Variable refrigerant temperature

Customize your VRV for best seasonal efficiency & comfort:

Revolutionary variable refrigerant temperature control automatically adapts the system to individual building and climate requirements for greater efficiency and comfort.

- › **Annual cost savings up to 28%**
- › Optimise the match of building requirements with comfort and efficiency
- › Automatic adjustment of refrigerant temperature guarantees customer satisfaction thanks to elimination of cold draft



Continuous comfort

The new standard in heating comfort:

Unique continuous heating technology makes VRV IV the best alternative to traditional heating systems.

- › Unique continuous heating during defrost technology
- › The best alternative to traditional heating systems as VRV IV can be used as a monovalent heating system



VRV configurator

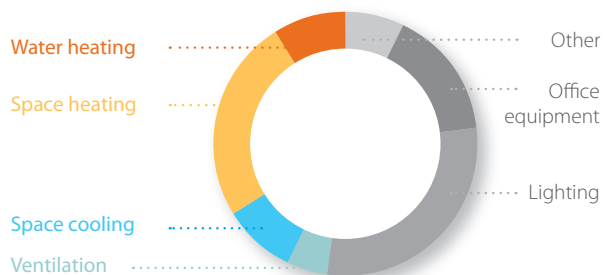
Software for simplified commissioning, configuration and customisation

Simplified commissioning: graphical interface to configure, commission and upload system settings.

- › Less time needed for commissioning
- › Manage multiple systems in exactly the same way
- › Retrieve initial system settings

- Accurate temperature control, fresh air provision, Biddle air curtains and hot water production, all integrated in a single system requiring only one single point of contact

Manage up to 50% of your building's energy consumption



Source: EIA; Commercial buildings Energy consumption survey

- 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.

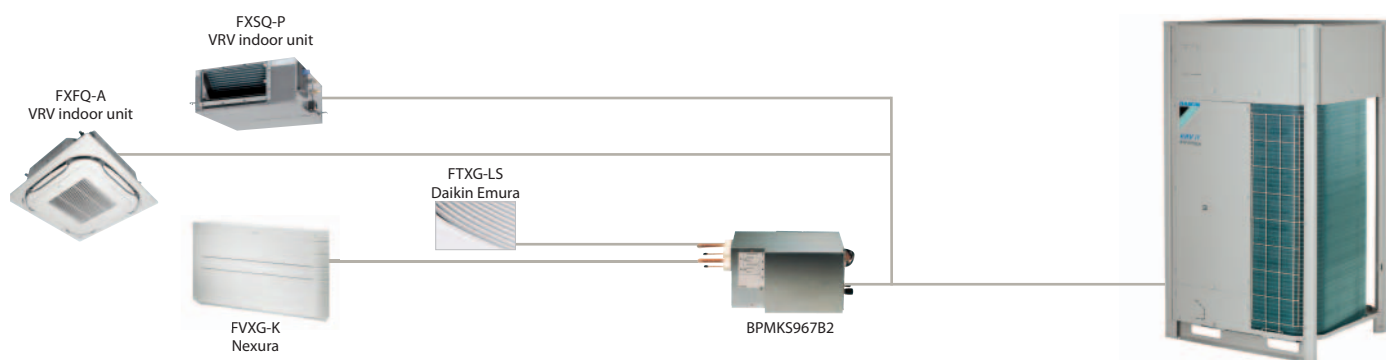
Simplified servicing

The 7-segment indicator saves time through:

- › easy-to-read error report.
- › indication of basic service parameters to quickly check basic functions.
- › clear menu indicating quick and easy on-site settings.



- Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)



Connectable indoor units

	15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura – Wall mounted unit		FTXG20LW FTXG20LS	FTXG25LW FTXG25LS	FTXG35LW FTXG35LS		FTXG25LW FTXG50LS		
Wall mounted unit	CTXS15K	FTXS20K	FTXS25K	FTXS35K CTXS35K	FTXS42K	FTXS50K	FTXS60G	FTXS71G
Nexura – Floor standing unit			FVXG25K	FVXG35K		FVXG50K		
Floor standing unit			FVXS25F	FVXS35F		FVXS50F		
Flexi type unit			FLXS25B	FLXS35B9		FLXS50B9	FLXS60B	

BPMKS box needed to connect RA indoors to VRV IV



RYYQ8-12T
RXYQ8-12T

VRV IV

- › Customize your VRV for best seasonal efficiency & comfort with the weather dependant Variable Refrigerant Temperature function
- › Up to 28% higher seasonal efficiency with Variable Refrigerant Temperature when compared to previous series
- › Best comfort, no cold draft by supply of a high outblow air temperature thanks to Variable Refrigerant Temperature and all inverter technology
- › Continuous comfort: Unique continuous heating technology makes VRV IV the best alternative to traditional heating systems
- › VRV configurator software for the fastest and most accurate commissioning, configuration and customisation
- › Accurate temperature control, fresh air provision, Biddle air curtains and hot water production, all integrated in a single system requiring only one single point of contact
- › 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
- › Fits any building as also indoor installation is possible as a result of high external static pressure of up to 78.4 Pa. Indoor installation leads to less piping length, lower installation costs, increased efficiency and better visual aesthetics
- › Simplified installation & guaranteed optimal efficiency with automatic charging & testing
- › Easy compliance with F-gas regulation thanks to automated refrigerant containment check
- › Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 1,000m
- › The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- › Spread your installation cost by phased installation
- › Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Nexura, ...)
- › Keep your system in top condition via our ACNSS service: 24/7 monitoring for maximum efficiency, extended lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage
- › Available as heating only by irreversible field setting



Heating & Cooling

Outdoor unit				RYYQ8T	RYYQ10T	RYYQ12T	RYYQ14T	RYYQ16T	RYYQ18T	RYYQ20T
Capacity range			HP	8	10	12	14	16	18	20
Cooling capacity	Nom.		kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0
Heating capacity	Nom.		kW	25.0	31.5	37.5	45.0	50.0	56.0	63.0
Power input - 50Hz	Cooling	Nom.	kW	5.21	7.29	8.98	11.0	13.0	14.7	18.5
	Heating	Nom.	kW	5.5	7.38	9.10	11.2	12.8	14.4	17.0
EER				4.30	3.84	3.73	3.64	3.46	3.40	3.03
ESEER				6.37 (2) / 7.53 (3)	5.67 (2) / 7.20 (3)	5.50 (2) / 6.96 (3)	5.31 (2) / 6.83 (3)	5.05 (2) / 6.50 (3)	4.97 (2) / 6.38 (3)	4.42 (2) / 5.67 (3)
COP				4.54	4.27	4.12	4.02	3.91	3.89	3.71
Maximum number of connectable indoor units				64 (1)						
Indoor index connection	Min.			100	125	150	175	200	225	250
	Nom.			200	250	300	350	400	450	500
	Max.			260	325	390	455	520	585	650
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765			1,685x1,240x765			
Weight	Unit		kg	261	268		364		398	
Fan	Air flow rate	Cooling	Nom.	m ³ /min	162	175	185	223	260	261
Sound power level	Cooling	Nom.		dBA	78	79	81		86	
	Cooling	Nom.		dBA	58		61		64	66
Operation range	Cooling	Min.~Max.		°CDB	-5~43					
	Heating	Min.~Max.		°CWB	-20~15.5					
Refrigerant	Type			R-410A						
Piping connections	Liquid	OD	mm	9.52			12.7		15.9	
	Gas	OD	mm	19.1	22.2		28.6			
	Total piping length	System	Actual	1,000						
Power supply	Phase/Frequency/Voltage			3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)		A	20	25	32		40		50

Outdoor system				RYYQ22T	RYYQ24T	RYYQ26T	RYYQ28T	RYYQ30T	RYYQ32T	RYYQ34T	RYYQ36T
System	Outdoor unit module 1			RYMQ10T	RYMQ8T	RYMQ12T			RYMQ16T		
	Outdoor unit module 2			RYMQ12T	RYMQ16T	RYMQ14T	RYMQ16T	RYMQ18T	RYMQ16T	RYMQ18T	RYMQ20T
	Outdoor unit module 3			-							
Capacity range			HP	22	24	26	28	30	32	34	36
Cooling capacity	Nom.		kW	61.5	67.4	73.5	78.5	83.5	90.0	95.0	101.0
Heating capacity	Nom.		kW	69.0	75.0	82.5	87.5	93.5	100.0	106.0	113.0
Power input - 50Hz	Cooling	Nom.	kW	16.3	18.2	20.0	22.0	23.7	26.0	27.7	31.5
	Heating	Nom.	kW	16.5	18.3	20.3	21.9	23.5	25.6	27.2	29.8
EER				3.77	3.70	3.68	3.57	3.52	3.46	3.43	3.21
ESEER				5.58 (2) / 7.07 (3)	5.42 (2) / 6.81 (3)	5.39 (2) / 6.89 (3)	5.23 (2) / 6.69 (3)	5.17 (2) / 6.60 (3)	5.05 (2) / 6.50 (3)	5.01 (2) / 6.44 (3)	4.68 (2) / 6.02 (3)
COP				4.18	4.10	4.06	4.00	3.98	3.91	3.90	3.79
Maximum number of connectable indoor units				64 (1)							
Indoor index connection	Min.			275	300	325	350	375	400	425	450
	Nom.			550	600	650	700	750	800	850	900
	Max.			715	780	845	910	975	1,040	1,105	1,170
Piping connections	Liquid	OD	mm	15.9			19.1				
	Gas	OD	mm	28.6		34.9			41.3		
	Total piping length	System	Actual	1,000							
Current - 50Hz	Maximum fuse amps (MFA)		A	63				80			

Outdoor system				RYYQ38T	RYYQ40T	RYYQ42T	RYYQ44T	RYYQ46T	RYYQ48T	RYYQ50T	RYYQ52T	RYYQ54T	
System	Outdoor unit module 1			RYMQ8T	RYMQ10T	RYMQ10T	RYMQ12T	RYMQ14T	RYMQ16T			RYMQ18T	
	Outdoor unit module 2			RYMQ10T	RYMQ12T	RYMQ16T			RYMQ18T				
	Outdoor unit module 3			RYMQ20T	RYMQ18T	RYMQ16T					RYMQ18T		
Capacity range			HP	38	40	42	44	46	48	50	52	54	
Cooling capacity	Nom.		kW	106.0	112.0	118.0	124.0	130.0	135.0	140.0	145.0	150.0	
Heating capacity	Nom.		kW	120.0	125.0	132.0	138.0	145.0	150.0	156.0	162.0	168.0	
Power input - 50Hz	Cooling	Nom.	kW	31.0			33.3	35.0	37.0	39.0	40.7	42.4	44.1
	Heating	Nom.	kW	29.9	30.9	33.0	34.7	36.8	38.4	40.0	41.6	43.2	
EER				3.42	3.61	3.54		3.51	3.46	3.44	3.42	3.40	
ESEER				5.03 (2) / 6.36 (3)	5.29 (2) / 6.74 (3)	5.19 (2) / 6.65 (3)	5.17 (2) / 6.62 (3)	5.13 (2) / 6.60 (3)	5.05 (2) / 6.50 (3)	5.02 (2) / 6.46 (3)	4.99 (2) / 6.42 (3)	4.97 (2) / 6.38 (3)	
COP				4.01	4.05	4.00	3.98	3.94	3.91	3.90	3.89		
Maximum number of connectable indoor units				64 (1)									
Indoor index connection	Min.			475	500	525	550	575	600	625	650	675	
	Nom.			950	1,000	1,050	1,100	1,150	1,200	1,250	1,300	1,350	
	Max.			1,235	1,300	1,365	1,430	1,495	1,560	1,625	1,690	1,755	
Piping connections	Liquid	OD	mm	19.1									
	Gas	OD	mm	41.3									
	Total piping length	System	Actual	1,000									
Current - 50Hz	Maximum fuse amps (MFA)		A	100					125				

Outdoor unit module				RYMQ8T	RYMQ10T	RYMQ12T	RYMQ14T	RYMQ16T	RYMQ18T	RYMQ20T	
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
Sound power level	Cooling	Nom.		dBA	78	79	81		86		
	Cooling	Nom.		dBA	58		61		64	66	
Operation range	Cooling	Min.~Max.		°CDB	-5~43						
	Heating	Min.~Max.		°CWB	-20~15.5						
Refrigerant	Type			R-410A							
Power supply	Phase/Frequency/Voltage			3N~/50/380-415							
Current - 50Hz	Maximum fuse amps (MFA)		A	20	25	32		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%) (2) The STANDARD ESEER value corresponds with normal VRV4 Heat Pump operation, not taking into account advanced energy saving operation functionality (3) The AUTOMATIC SEER value corresponds with normal VRV4 Heat Pump operation, taking into account advanced energy saving operation functionality (variable refrigerant temperature control operation)



Heating & Cooling

Outdoor unit				RXYQ8T	RXYQ10T	RXYQ12T	RXYQ14T	RXYQ16T	RXYQ18T	RXYQ20T	
Capacity range	HP			8	10	12	14	16	18	20	
Cooling capacity	Nom.	kW		22.4	28.0	33.5	40.0	45.0	50.0	56.0	
Heating capacity	Nom.			25.0	31.5	37.5	45.0	50.0	56.0	63.0	
Power input - 50Hz	Cooling	Nom.	kW	5.21	7.29	8.98	11.0	13.0	14.7	18.5	
	Heating	Nom.	kW	5.51	7.38	9.10	11.2	12.8	14.4	17.0	
EER				4.30	3.84	3.73	3.64	3.46	3.40	3.03	
ESEER				6.37 (2) / 7.53 (3)	5.67 (2) / 7.20 (3)	5.50 (2) / 6.96 (3)	5.31 (2) / 6.83 (3)	5.05 (2) / 6.50 (3)	4.97 (2) / 6.38 (3)	4.42 (2) / 5.67 (3)	
COP				4.54	4.27	4.12	4.02	3.91	3.89	3.71	
Maximum number of connectable indoor units				64 (1)							
Indoor index connection	Min.			100	125	150	175	200	225	250	
	Nom.			200	250	300	350	400	450	500	
	Max.			260	325	390	455	520	585	650	
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765			1,685x1,240x765				
Weight	Unit			187	194		305		314		
Fan	Air flow rate	Cooling	Nom.	m ³ /min	162	175	185	223	260	261	
Sound power level	Cooling	Nom.		dB(A)	78	79	81		86	88	
Sound pressure level	Cooling	Nom.		dB(A)	58			61	64	65	66
Operation range	Cooling	Min.~Max.	°CDB								
	Heating	Min.~Max.	°CWB		-5~43						
Refrigerant				Type	R-410A						
Piping connections	Liquid	OD	mm	12.7			15.9				
	Gas	OD	mm	19.1	22.2	28.6					
	Total piping length	System	Actual			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				RXYQ22T	RXYQ24T	RXYQ26T	RXYQ28T	RXYQ30T	RXYQ32T	RXYQ34T	RXYQ36T
System	Outdoor unit module 1			RXYQ10T	RXYQ8T	RXYQ12T			RXYQ16T		
	Outdoor unit module 2			RXYQ12T	RXYQ16T	RXYQ14T	RXYQ16T	RXYQ18T	RXYQ16T	RXYQ18T	RXYQ20T
	Outdoor unit module 3										
Capacity range	HP			22	24	26	28	30	32	34	36
Cooling capacity	Nom.	kW		61.5	67.4	73.5	78.5	83.5	90.0	95.0	101.0
Heating capacity	Nom.			69.0	75.0	82.5	87.5	93.5	100.0	106.0	113.0
Power input - 50Hz	Cooling	Nom.	kW	16.3	18.2	20.0	22.0	23.7	26.0	27.7	31.5
	Heating	Nom.	kW	16.5	18.3	20.3	21.9	23.5	25.6	27.2	29.8
EER				3.77	3.70	3.68	3.57	3.52	3.46	3.43	3.21
ESEER				5.58 (2) / 7.07 (3)	5.42 (2) / 6.81 (3)	5.39 (2) / 6.89 (3)	5.23 (2) / 6.69 (3)	5.17 (2) / 6.60 (3)	5.05 (2) / 6.50 (3)	5.01 (2) / 6.44 (3)	4.68 (2) / 6.02 (3)
COP				4.18	4.10	4.06	4.00	3.98	3.91	3.90	3.79
Maximum number of connectable indoor units				64 (1)							
Indoor index connection	Min.			275	300	325	350	375	400	425	450
	Nom.			550	600	650	700	750	800	850	900
	Max.			715	780	845	910	975	1,040	1,105	1,170
Piping connections	Liquid	OD	mm	15.9			19.1				
	Gas	OD	mm	28.6				34.9		41.3	
	Total piping length	System	Actual			1,000					
Current - 50Hz	Maximum fuse amps (MFA)			A	63			80			

Outdoor unit				RXYQ38T	RXYQ40T	RXYQ42T	RXYQ44T	RXYQ46T	RXYQ48T	RXYQ50T	RXYQ52T	RXYQ54T
System	Outdoor unit module 1			RXYQ8T	RXYQ10T			RXYQ12T	RXYQ14T	RXYQ16T		
	Outdoor unit module 2			RXYQ10T	RXYQ12T	RXYQ16T			RXYQ18T			
	Outdoor unit module 3			RXYQ20T	RXYQ18T	RXYQ16T			RXYQ18T			
Capacity range	HP			38	40	42	44	46	48	50	52	54
Cooling capacity	Nom.	kW		106.0	112.0	118.0	124.0	130.0	135.0	140.0	145.0	150.0
Heating capacity	Nom.			120.0	125.0	132.0	138.0	145.0	150.0	156.0	162.0	168.0
Power input - 50Hz	Cooling	Nom.	kW	31.0		33.3	35.0	37.0	39.0	40.7	42.4	44.1
	Heating	Nom.	kW	29.9	30.9	33.0	34.7	36.8	38.4	40.0	41.6	43.2
EER				3.42	3.61	3.54		3.51	3.46	3.44	3.42	3.40
ESEER				5.03 (2) / 6.36 (3)	5.29 (2) / 6.74 (3)	5.19 (2) / 6.65 (3)	5.17 (2) / 6.62 (3)	5.13 (2) / 6.60 (3)	5.05 (2) / 6.50 (3)	5.02 (2) / 6.46 (3)	4.99 (2) / 6.42 (3)	4.97 (2) / 6.38 (3)
COP				4.01	4.05	4.00	3.98	3.94	3.91	3.90	3.89	
Maximum number of connectable indoor units				64 (1)								
Indoor index connection	Min.			475	500	525	550	575	600	625	650	675
	Nom.			950	1,000	1,050	1,100	1,150	1,200	1,250	1,300	1,350
	Max.			1,235	1,300	1,365	1,430	1,495	1,560	1,625	1,690	1,755
Piping connections	Liquid	OD	mm	19.1								
	Gas	OD	mm	41.3								
	Total piping length	System	Actual			1,000						
Current - 50Hz	Maximum fuse amps (MFA)			A	100			125				

(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) The STANDARD ESEER value corresponds with normal VRV4 Heat Pump operation, not taking into account advanced energy saving operation functionality (3) The AUTOMATIC SEER value corresponds with normal VRV4 Heat Pump operation, taking into account advanced energy saving operation functionality (variable refrigerant temperature control operation)



VRVIII-S

RXYSQ-P8V1 RXYSQ-P8Y1

- > For residential and light commercial applications
- > Energy efficient heating system based on air source heat pump technology
- > Low energy bills and low CO₂ emissions
- > Possibility to connect up to 9 indoor units
- > All indoor units can be individually controlled and do not need to be installed in the same room or even at the same time.
- > Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Nexura ...
- > Possibility to combine different types of indoor units: wall mounted, floor standing, concealed ceiling, ceiling suspended, round flow or 4-way blow cassettes
- > Small capacities: 4, 5 & 6HP
- > Slim design for flexible installation
- > 3 steps in night quiet mode: step 1: 47dBA, step 2: 44 dBA, step 3: 41 dBA
- > Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- > Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand



Heating & Cooling

Outdoor unit				RXYSQ4P8V1	RXYSQ5P8V1	RXYSQ6P8V1	RXYSQ4P8Y1	RXYSQ5P8Y1	RXYSQ6P8Y1
Capacity range		HP		4	5	6	4	5	6
Cooling capacity	Nom.	kW		12.6	14.0	15.5	12.6	14.0	15.5
Heating capacity	Nom.	kW		14.2	16.0	18.0	14.2	16.0	18.0
Power input - 50Hz	Cooling	Nom.	kW	3.24	3.51	4.53	3.33	3.61	4.66
	Heating	Nom.	kW	3.12	3.86	4.57	3.21	3.97	4.70
EER				3.89	3.99	3.42	3.78	3.88	3.33
COP				4.55	4.15	3.94	4.42	4.03	3.83
Maximum number of connectable indoor units				8 (1) / 8 (2)	10 (1) / 9 (2)	12 (1) / 9 (2)	8 (1) / 8 (2)	10 (1) / 9 (2)	12 (1) / 9 (2)
Indoor index connection	Min.			50	62.5	70	50	62.5	70
	Nom.								
	Max.			130	162.5	182	130	162.5	182
Dimensions	Unit	HeightxWidthxDepth	mm	1,345x900x320					
Weight	Unit			120					
Fan	Air flow rate	Cooling	Nom.	106					
Sound power level	Cooling	Nom.	dBA	66	67	69	66	67	69
	Sound pressure level	Heating	Nom.	dBA	50	51	53	50	51
Operation range	Cooling	Min.~Max.	°CDB	-5~46					
	Heating	Min.~Max.	°CWB	-20~15.5					
Refrigerant	Type			R-410A					
Piping connections	Liquid	OD	mm	9.52					
	Gas	OD	mm	15.9 (1) / 19.1 (2)		19.1	15.9 (1) / 19.1 (2)		19.1
	Total piping length	System	Actual	m	300 (1) / 115 (2)	300 (1) / 135 (2)	300 (1) / 145 (2)	300 (1) / 115 (2)	300 (1) / 135 (2)
Power supply	Phase/Frequency/Voltage	Hz/V		1N~/50/220-240			3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)	A		32.0			16.0		

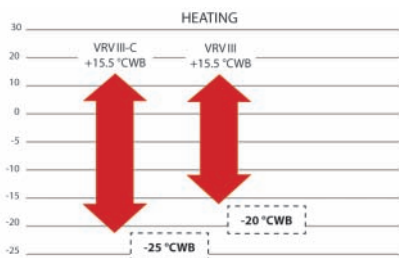
(1) In case VRV indoor units are connected (2) In case RA indoors are connected



RTSYQ14-16PA

VRV III-C

- > First system in the industry developed for heating operation in low ambient conditions, making it suitable for single source heating
- > Extended operation range down to -25°C in heating



- > High COP values at low ambients thanks to the two stage compression technology (COP values of 3.0 and more at -10°C)
- > Improved comfort thanks to shorter defrost time
- > Shorter heat up time compared to standard VRVIII heat pump
- > Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- > Connectable to all VRV indoor units, ventilation and control systems
- > Keep your system in top condition via our ACNSS service: 24/7 monitoring for maximum efficiency, extended lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage



Heating & Cooling

Outdoor system				RTSYQ10PA	RTSYQ14PA	RTSYQ16PA	RTSYQ20PA
System	Outdoor unit module 1			RTSQ10PAY1	RTSQ14PAY1	RTSQ16PAY1	RTSQ8PAY1
	Outdoor unit module 2			-			
	Function unit			BTSQ20PY1			
Capacity range	HP			10	14	16	20
Cooling capacity	Nom.			28.0 (1)	40.0 (1)	45.0 (1)	56.0 (1)
Heating capacity	Nom.			31.5 (2) / 28.0 (3)	45.0 (2) / 40.0 (3)	50.0 (2) / 45.0 (3)	63.0 (2) / 55.9 (3)
Power input - 50Hz	Cooling	Nom.		7.90 (1)	12.6 (1)	14.9 (1)	15.4 (1)
	Heating	Nom.		7.78 (2) / 8.18 (3)	11.4 (2) / 12.8 (3)	13.0 (2) / 15.0 (3)	15.4 (2) / 18.7 (3)
EER				3.54 (1)	3.17 (1)	3.02 (1)	3.64 (1)
COP				4.05 (2) / 3.42 (3)	3.95 (2) / 3.13 (3)	3.85 (2) / 3.00 (3)	4.09 (2) / 2.99 (3)
Maximum number of connectable indoor units				21	30	34	43
Indoor index connection	Min.			125	175	200	250
	Nom.			250	350	400	500
	Max.			325	455	520	650
Sound pressure level	Cooling	Max./Nom.		62/60	63/61	65/63	
Piping connections	Liquid	OD		9.52	12.7		15.9
	Gas	OD		22.2	28.6		
	Oil equalizing	OD		-			
	Total piping length	System	Actual	500			
Current - 50Hz	Maximum fuse amps (MFA)			25	35	40	50

(1) Cooling: Indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m; function unit length: 6m; (2) Heating: Indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent piping length: 7.5m; level difference: 0m; function unit length: 6m; (3) Heating: Indoor temp. 20°CDB; outdoor temp. -10°CWB; equivalent piping length: 7.5m; level difference 0m; function unit length: 6m

Outdoor unit module				BTSQ20P	RTSQ8PA	RTSQ10PA	RTSQ12PA	RTSQ14PA	RTSQ16PA
Dimensions	Unit	HeightxWidthxDepth		mm	1,570x460x765	1,680x930x765		1,680x1,240x765	
Weight	Unit			kg	110	205	257	338	344
Fan	Air flow rate	Cooling	Nom.	m ³ /min	-	185	200	233	239
Sound power level	Cooling	Nom.		dB(A)	-				
Operation range	Cooling	Min.~Max.		°CDB	-5~43				
	Heating	Min.~Max.		°CWB	-25~15.5				
Refrigerant	Type			R-410A					
Power supply	Phase/Frequency/Voltage			Hz/V					
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	35	40	



RXYCQ10-12A

- › For smaller projects with standard cooling & heating requirements
- › Fits any building as also indoor installation is possible as a result of high external static pressure of up to 78.4 Pa. Indoor installation leads to less piping length, lower installation costs, increased efficiency and better visual aesthetics
- › The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- › Spread your installation cost by phased installation
- › Connectable to all standard VRV indoor units, controls and ventilation



Heating & Cooling

Outdoor unit				RXYCQ8A	RXYCQ10A	RXYCQ12A	RXYCQ14A	RXYCQ16A	RXYCQ18A	RXYCQ20A
Capacity range			HP	8	10	12	14	16	18	20
Cooling capacity	Nom.		kW	20.0	25.0	30.0	35.0	40.0	45.0	50.0
Heating capacity	Nom.		kW	22.4	28.0	33.6	37.5	44.8	50.4	56.0
Power input - 50Hz	Cooling	Nom.	kW	6.60	6.74	8.77	11.4	12.9	15.0	17.8
	Heating	Nom.	kW	5.80	7.00	8.62	9.74	11.8	13.8	16.0
EER				3.03	3.71	3.42	3.07	3.10	3.00	2.81
COP				3.86	4.00	3.90	3.85	3.80	3.65	3.50
Maximum number of connectable indoor units				16	20	24	28	32	36	40
Indoor index connection	Min.			100	125	150	175	200	225	250
	Nom.			200	250	300	350	400	450	500
	Max.			240	300	360	420	480	540	600
Dimensions	Unit	HeightxWidthxDepth		mm	1,680x635x765			1,680x930x765		1,680x1,240x765
Weight	Unit			kg	159	187	240		316	324
Fan	Air flow rate	Cooling	Nom.	m ³ /min	95	171	185	196	233	239
Sound power level	Cooling	Nom.		dB(A)	78	81		86	88	
Sound pressure level	Cooling	Nom.		dB(A)	58	59	61		64	65
Operation range	Cooling	Min.~Max.		°CDB	-5.0~43.0					
	Heating	Min.~Max.		°CWB	-20.0~15.5					
Refrigerant	Type			R-410A						
Piping connections	Liquid	OD	mm	9.52			12.7		15.9	
	Gas	OD	mm	15.9	19.1	22.2	28.6			
	Total piping length		System	Actual	300					
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)		A	16	25			40		

(1) Connection ratio is 50~120%. If only FXFQ20,25 units are connected, maximum connection ratio is 100%



REYQ8-16P8/P9

- > Increased EER/COP thanks to the redesigned 8 and 12HP stand alone units and 8HP modular unit
- > Wide range of outdoor units: from 8 to 48HP in 2HP increment steps (21 system combinations)
- > No less than 64 indoor units can be connected to a single system
- > Flexible combination of outdoor units: small footprint combination, high COP combination or any other combination of your choice
- > Continuous heating (resulting in a higher integrated heating capacity)
- > 'High sensible mode': allows the VRV system to work with increased sensible capacity in cooling mode, resulting in higher efficiency and improved comfort
- > Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- > Wide piping flexibility: maximum piping length: 165m, total piping length: 1,000m
- > The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- > Only those areas calling for air conditioning need to be cooled or heated; the system can be shut down completely in unoccupied rooms.
- > Quick cool/heat change over
- > Improved refrigerant containment check
- > 2 steps in night quiet mode: step 1: 50 dBA, step 2: 45 dBA
- > Possibility to extend the operation range in cooling down to -20°C
- > Keep your system in top condition via our ACNSS service: 24/7 monitoring for maximum efficiency, extended lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage



REYQ-P8/P9		8	10	12	14	16	18	20	22	24	26	28
Stand alone units	REYQ8P9	1					Not Applicable					
	REYQ10P8		1									
	REYQ12P9			1								
	REYQ14P8				1							
	REYQ16P8					1						
Modular units	REMQ8P9	Not Applicable					1	1				
	REMQ10P8	Not Applicable					1		1		1	
	REMQ12P8	Not Applicable						1	1	2		1
	REMQ14P8	Not Applicable										
	REMQ16P8	Not Applicable									1	1

REYQ-P8/P9		30	32	34	36	38	40	42	44	46	48
Stand alone units	REYQ8P9	Not Applicable									
	REYQ10P8										
	REYQ12P9										
	REYQ14P8										
	REYQ16P8										
Modular units	REMQ8P9			1	1						
	REMQ10P8			1		1		1			
	REMQ12P8				1	1	2		1		
	REMQ14P8	1								1	
	REMQ16P8	1	2	1	1	1	1	2	2	2	3

Heat recovery

Outdoor unit				REYQ8P9	REYQ10P8	REYQ12P9	REYQ14P8	REYQ16P8
Capacity range	HP			8	10	12	14	16
Cooling capacity	Nom.			22.4	28.0	33.5	40.0	45.0
Heating capacity	Nom.			25.0	31.5	37.5	45.0	50.0
Power input - 50Hz	Cooling	Nom.		5.20	7.09	8.72	11.4	14.1
	Heating	Nom.		5.71	7.38	8.84	11.0	12.8
EER				4.31	3.95	3.84	3.51	3.19
COP				4.38	4.27	4.24	4.09	3.91
Maximum number of connectable indoor units				17	21	26	30	34
Indoor index connection	Min.			100	125	150	175	200
	Nom.			200	250	300	350	400
	Max.			260	325	390	455	520
Dimensions	Unit	HeightxWidthxDepth		mm				
Weight	Unit	1,680x1,300x765						
Fan	Air flow rate	Cooling	Nom.	m ³ /min			331	
Sound power level	Cooling	Nom.		190	210		235	240
Sound pressure level	Cooling	Nom.		78	80		83	84
Operation range	Cooling	Min.~Max.		58	60		62	63
	Heating	Min.~Max.		°CDB				
Refrigerant	Type	R-410A						
Piping connections	Liquid	OD	mm	9.52			12.7	
	Gas	OD	mm	19.1	22.2		28.6	
	Discharge gas	OD	mm	15.9	19.10			22.2
	Total piping length	System	Actual	m				
Power supply	Phase/Frequency/Voltage			Hz/V				
Current - 50Hz	Maximum fuse amps (MFA)			20	25		40	

Outdoor system				REYQ18P9	REYQ20P9	REYQ22P8	REYQ24P8	REYQ26P8	REYQ28P8	REYQ30P8	REYQ32P8
System	Outdoor unit module 1			REMQ8P9							
	Outdoor unit module 2			REMQ10P8	REMQ12P8			REMQ10P8	REMQ12P8	REMQ14P8	REMQ16P8
	Outdoor unit module 3			REMQ16P8							
Capacity range	HP			18	20	22	24	26	28	30	32
Cooling capacity	Nom.			50.4	55.9	61.5	67.0	73.0	78.5	85.0	90.0
Heating capacity	Nom.			56.5	62.5	69.0	75.0	81.5	87.5	95.0	100
Power input - 50Hz	Cooling	Nom.		12.7	14.9	17.0	19.2	21.8	23.8	26.6	28.4
	Heating	Nom.		13.4	15.2	17.1	18.9	20.6	22.3	24.2	25.8
EER				3.97	3.75	3.62	3.49	3.35	3.29	3.19	3.16
COP				4.22	4.11	4.04	3.97	3.96	3.92	3.87	3.87
Maximum number of connectable indoor units				39	43	47	52	56	60	64	
Indoor index connection	Min.			225	250	275	300	325	350	375	400
	Nom.			450	500	550	600	650	700	750	800
	Max.			585	650	715	780	845	910	975	1,040
Sound power level	Cooling	Nom.		81	83			83			
Sound pressure level	Cooling	Nom.		61	62	63		63			
Piping connections	Liquid	OD	mm	15.9				19.1			
	Gas	OD	mm	28.6				34.9			
	Discharge gas	OD	mm	22.2	28.6			28.6			
	Oil equalizing	OD	mm	19.1							
	Total piping length	System	Actual	m							
Current - 50Hz	Maximum fuse amps (MFA)			45	50			60		70	

Outdoor system				REYQ34P9	REYQ36P9	REYQ38P8	REYQ40P8	REYQ42P8	REYQ44P8	REYQ46P8	REYQ48P8
System	Outdoor unit module 1			REMQ8P9							
	Outdoor unit module 2			REMQ10P8	REMQ12P8			REMQ10P8	REMQ12P8	REMQ14P8	REMQ16P8
	Outdoor unit module 3			REMQ16P8							
Capacity range	HP			34	36	38	40	42	44	46	48
Cooling capacity	Nom.			95.4	101	107	112	118	124	130	135
Heating capacity	Nom.			107	113	119	125	132	138	145	150
Power input - 50Hz	Cooling	Nom.		26.9	29.1	31.2	33.4	35.8	38.0	40.8	42.6
	Heating	Nom.		26.3	28.1	30.0	31.8	33.5	35.2	37.1	38.7
EER				3.55	3.47	3.43	3.35	3.29	3.26	3.18	3.16
COP				4.07	4.02	3.96	3.93	3.94	3.92	3.90	3.87
Maximum number of connectable indoor units				64							
Indoor index connection	Min.			425	450	475	500	525	550	575	600
	Nom.			850	900	950	1,000	1,050	1,100	1,150	1,200
	Max.			1,105	1,170	1,235	1,300	1,365	1,430	1,495	1,560
Sound power level	Cooling	Nom.		84	85	85					
Sound pressure level	Cooling	Nom.		64			65				
Piping connections	Liquid	OD	mm	19.1				19.1			
	Gas	OD	mm	34.9	41.3			41.3			
	Discharge gas	OD	mm	28.6				34.9			
	Oil equalizing	OD	mm	19.1							
	Total piping length	System	Actual	m							
Current - 50Hz	Maximum fuse amps (MFA)			80	90			100		110	

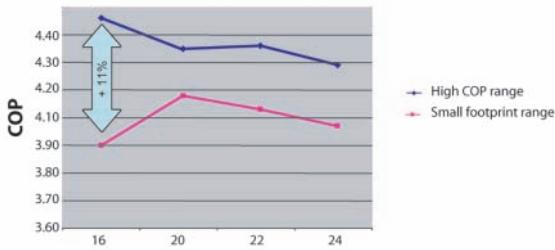
Outdoor unit module				REMQ8P9	REMQ10P8	REMQ12P8	REMQ14P8	REMQ16P8
Dimensions	Unit	HeightxWidthxDepth		mm				
Weight	Unit	1,680x930x765						
Fan	Air flow rate	Cooling	Nom.	m ³ /min			254	
Sound power level	Cooling	Nom.		180	185		200	230
Operation range	Cooling	Min.~Max.		78				80
	Heating	Min.~Max.		°CDB				
Refrigerant	Type	R-410A						
Power supply	Phase/Frequency/Voltage			Hz/V				
Current - 50Hz	Maximum fuse amps (MFA)			25	25		40	



REYHQ16P



- Top energy efficiency in Daikin heat recovery range, thanks to the redesigned 8HP modular unit and newly developed 12HP high COP modular unit



- Continuous heating (resulting in a higher integrated heating capacity)
- 'High sensible mode': allows the VRV system to work with increased sensible capacity in cooling mode, resulting in higher efficiency and improved comfort
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Wide piping flexibility: maximum piping length: 165m, total piping length: 1,000m
- The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- Only those areas calling for air conditioning need to be cooled or heated; the system can be shut down completely in unoccupied rooms.
- Quick cool/heat change over
- Improved refrigerant containment check
- 2 steps in night quiet mode: step 1: 50 dBA, step 2: 45 dBA
- Possibility to extend the operation range in cooling down to -20°C
- Keep your system in top condition via our ACNSS service: 24/7 monitoring for maximum efficiency, extended lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage



Heat recovery

Outdoor system				REYHQ16P	REYHQ20P	REYHQ22P	REYHQ24P
System	Outdoor unit module 1			REM8P9		REM10P8	REM12P8
	Outdoor unit module 2			REM8P9		REM10P8	REM12P8
Capacity range		HP	16	20	22	24	
Cooling capacity	Nom.	kW	45.0	56.0	61.5	67.0	
Heating capacity	Nom.	kW	50.0	62.5	69.0	75.0	
Power input - 50Hz	Cooling	Nom.	kW	10.5	13.9	16.0	17.2
	Heating	Nom.	kW	11.5	14.3	16.3	17.2
EER			4.29	4.04	3.84	3.89	
COP				4.36	4.24	4.37	
Maximum number of connectable indoor units				34	43	47	52
Indoor index connection	Min.		200	225	250	275	
	Nom.		400	450	500	550	
	Max.		520	585	650	715	
Sound power level	Cooling	Nom.	dB(A)		85	87	
Sound pressure level	Cooling	Nom.	dB(A)	62		64	
Piping connections	Liquid	OD	mm	12.7		15.9	
	Gas	OD	mm		28.6		
	Total piping length	System	Actual	m			1,000
Current - 50Hz	Maximum fuse amps (MFA)			A	50	63	80

Outdoor unit module				REM8P9	REM10P8	REM12P8
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x930x765		1,680x1,300x765
Weight	Unit		kg	204	254	331
Fan	Air flow rate	Cooling	Nom.	m ³ /min	180	230
		Heating	Nom.	m ³ /min	180	230
Sound power level	Cooling	Nom.	dB(A)	78		-
Operation range	Cooling	Min.~Max.	°CDB	-5~43		
	Heating	Min.~Max.	°CWB	-20~15		
Refrigerant	Type			R-410A		
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415		3N~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	25	40



REYAQ-P

- › Accurate temperature control, fresh air provision, Biddle air curtains and hot water production, all integrated in a single system requiring only one single point of contact
- › Heat recovery maximises energy efficiency with COPs of up to 8 possible!
- › Free heating provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
- › Perfect comfort: simultaneous heating and cooling
- › Compact size leaves maximum floorspace
- › Fits any building with either outdoor or indoor installation possible (high external static pressure up to 78.4Pa)
- › The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- › Spread your installation cost by phased installation
- › Keep your system in top condition via our ACNSS service: 24/7 monitoring for maximum efficiency, extended lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage

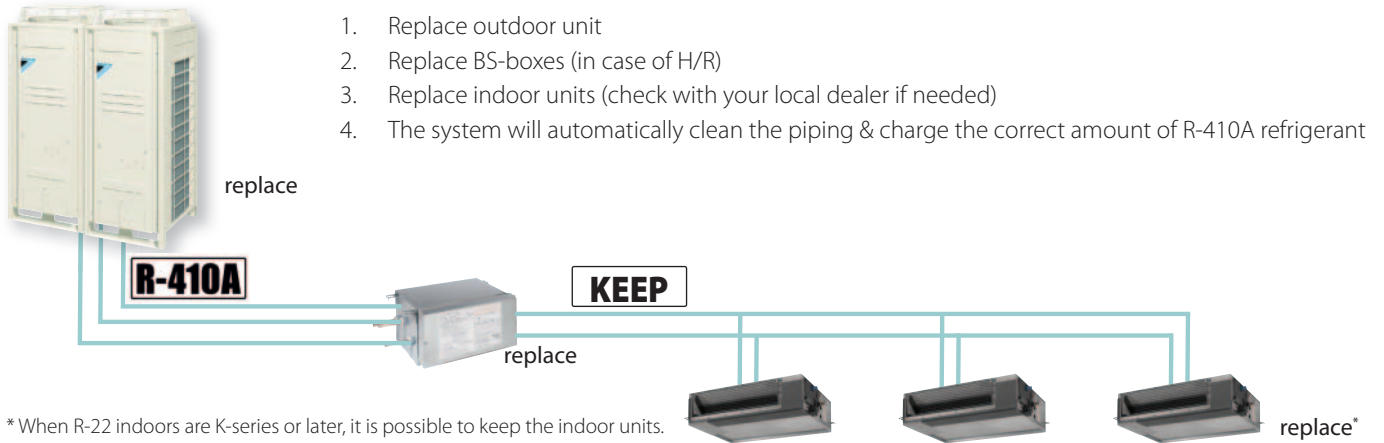


Heat recovery

Outdoor unit				REYAQ10P	REYAQ12P	REYAQ14P	REYAQ16P
Capacity range			HP	10	12	14	16
Cooling capacity	Nom.		kW	28	33.5	40	45
Heating capacity	Nom.		kW	31.5	37.5	45	50
Power input - 50Hz	Cooling	Nom.	kW	7.09	8.72	11.4	14.1
	Heating	Nom.	kW	7.38	8.84	11.0	12.8
EER				3.95	3.84	3.51	3.19
COP				4.27	4.24	4.09	3.91
Maximum number of connectable indoor units				21	26	30	34
Indoor index connection	Min.			125	150	175	200
	Nom.			250	300	350	400
	Max.			325	390	455	520
Dimensions	Unit	HeightxWidthxDepth		mm			
				1,680x1,300x765			
Weight	Unit			331		339	
Fan	Air flow rate	Cooling	Nom.	m ³ /min			
				-			
Sound power level	Cooling	Nom.		78	80	83	84
Sound pressure level	Cooling	Nom.		58	60	62	63
Operation range	Cooling	Min.~Max.		°CDB			
				-5~43			
	Heating	Min.~Max.		°CWB			
				-20~15.5			
Hot water production	Space heating	Min.~Max.		°CDB			
				-20~20 / 24			
	Domestic hot water	Min.~Max.		°CDB			
				-20~43			
Refrigerant	Type			R-410A			
Piping connections	Liquid	OD	mm	9.52		12.7	
	Gas	OD	mm	22.2		28.6	
	Discharge gas	OD	mm		19.1		22.2
	Total piping length	System	Actual	m			
				300			
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)		A	25			40

The Daikin solution to R-22 phase-out

Replace your R-22 / R-407C outdoor unit with R-410A technology, but keep your refrigerant piping and in some cases your indoor units¹.



Plan your system replacement now

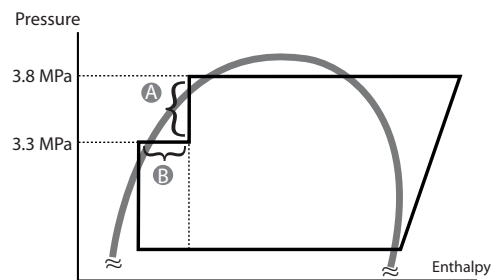


From 01/01/2015 there is a ban on the use of all R-22 for service & maintenance. Daikin advises to replace your system now to prevent unplanned downtime.

Technologies

Reduced pressure

As R-22 VRV systems used to work on a lower pressure than R-410A systems / thus the copper refrigerant piping was also designed for these lower pressures. Therefore the Replacement VRV must operate at lower pressures than the standard VRV series. However thanks to the sub cool circuit a high efficiency level can be kept even with the lower pressures.



- A Decompression to 3.3MPa(s) → R-22 existing piping can be used
- B Extra sub cool circuit → high COP

Customize your VRV for optimal seasonal efficiency

- > Optimise the match of building requirements with comfort and efficiency
- > Automatic adjustment of refrigerant temperature guarantees customer satisfaction



VRV configurator software

- > Less time needed for commissioning
- > Manage multiple systems in exactly the same way
- > Retrieve initial system settings

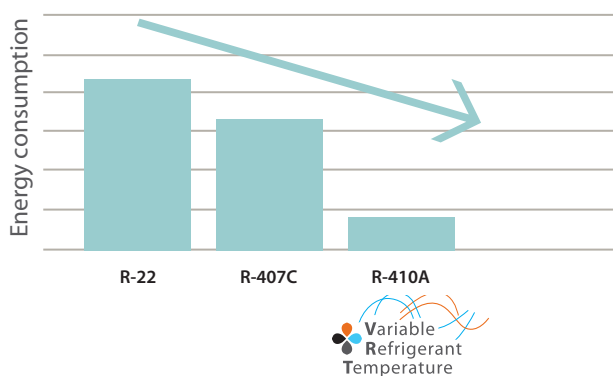


Increased efficiency

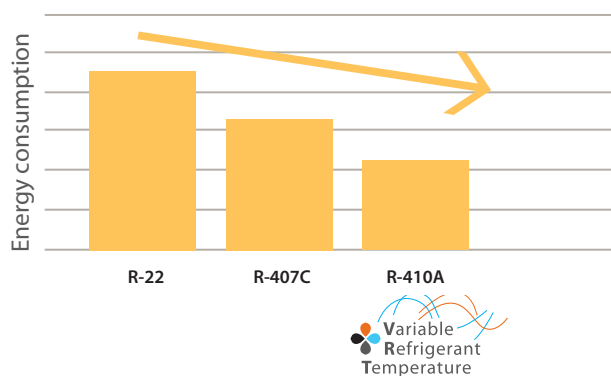
Upgrading an old R-22 system to a Replacement VRV system will result in increased system efficiency. Efficiency gains of more than 70% in cooling can be realized, by virtue of technological developments in current heat pump technology such as variable refrigerant temperature and the more efficient R-410A refrigerant. Increased energy efficiency equals lower energy consumption, subsequent lower energy costs and lower CO₂ emissions.

81% less consumption in cooling mode **48% less consumption in heating mode**

Energy use of a 10HP system in cooling



Energy use of a 10HP system in heating



Environmental awareness

R-410A not only has a zero ozone depletion potential, it is also proven to be more energy efficient than R-22.

Fast installation

It is not necessary to remove the existing piping and even the indoor units can remain (depending on type of indoor unit). The outdoor unit automatically charges the refrigerant and cleans the refrigerant piping. This unique Daikin feature makes the installation time even shorter.

Limited and planned-downtime

As the refrigerant piping can be maintained the installation is less intrusive and less time consuming than for a completely new system. Moreover, downtime can be carefully planned: whereas if a problem occurs when not enough reclaimed R-22 is available, a long and unplanned downtime can be the result.

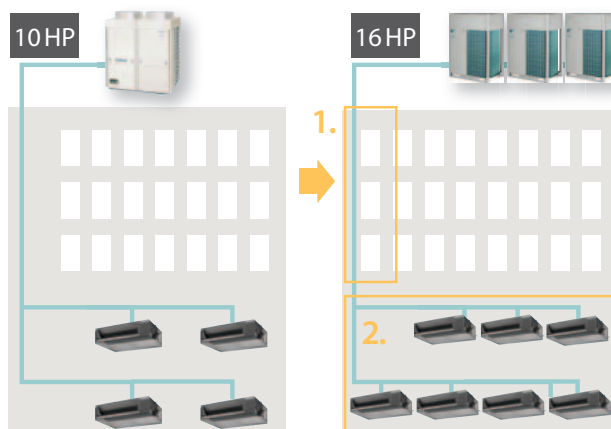
Limited and phased investment cost

It is possible to spread the various stages of replacement over a certain period of time because the indoor units can remain in most cases. The air conditioning replacement therefore, can be incorporated in the general refurbishment schedule of the building and the investment cost can be spread. A further reduction in installation cost can be achieved by maintaining the old refrigerant copper pipe work.

Increase capacity

Cooling loads often increase subsequent to the initial installation of the air conditioning system. The Replacement VRV (VRV VIII-Q) enables system capacity to be increased without changing the refrigerant piping (depending on system characteristics).

Example: replace a 10HP VRV with a 16HP Replacement VRV unit



1. Keep main piping

2. Add indoor units

No restrictions on system history

As a result of the combined automatic charging and refrigerant pipe cleaning function, it is possible to ensure a clean piping network, even when a compressor breakdown has previously occurred.

RQCEQ-P (heat recovery) RXYQQ-T, RQYQ-P (heat pump)

Replacement VRV



VRV IV Q-series



RQCEQ712-848P

- › Cost effective and fast upgrade for R-22 systems as only the outdoor unit needs to be replaced, meaning no work has to be carried out inside your building
- › Efficiency gains of more than 70% can be realized, thank to technological developments in heat pump technology and the more efficient R-410A refrigerant
- › Possibility to add indoor units and increase capacity without changing the refrigerant piping
- › Less intrusive and time consuming installation compared to installing a new system, as the refrigerant piping can be maintained in most cases
- › Possibility to spread the various stages of replacement thanks to the modular design of the VRV system
- › Keep your system in top condition via our ACNSS service: 24/7 monitoring for maximum efficiency, extended lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage



Heat recovery

Outdoor system				RQCEQ280P	RQCEQ360P	RQCEQ460P	RQCEQ500P	RQCEQ540P	RQCEQ636P	RQCEQ712P	RQCEQ744P	RQCEQ816P	RQCEQ848P	
System	Outdoor unit module 1			RQEQ140P	RQEQ180P	RQEQ140P		RQEQ180P	RQEQ212P	RQEQ140P		RQEQ180P	RQEQ212P	
	Outdoor unit module 2			RQEQ140P	RQEQ180P	RQEQ140P	RQEQ180P		RQEQ212P	RQEQ180P		RQEQ212P		
	Outdoor unit module 3			-			RQEQ180P		RQEQ212P	RQEQ180P	RQEQ212P			
	Outdoor unit module 4			RQEQ212P										
Capacity range	HP			10	13	16	18	20	22	24	26	28	30	
Cooling capacity	Nom.			kW	28.0	36.0	45.0	50.0	54.0	63.6	71.2	74.4	81.6	84.8
Heating capacity	Nom.			kW	32.0	40.0	52.0	56.0	60.0	67.2	78.4	80.8	87.2	89.6
Power input - 50Hz	Cooling	Nom.		kW	7.04	10.3	12.2	13.9	15.5	21.9	21.2	23.3	27.1	29.2
	Heating	Nom.		kW	8.00	10.7	13.4	14.7	16.1	17.7	20.7	21.2	23.1	23.6
EER					3.98	3.48	3.77	3.61	3.48	2.90	3.36	3.19	3.01	2.90
COP					4.00	3.72	3.89	3.80	3.72	3.79	3.80	3.81	3.77	3.79
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
Sound pressure level	Cooling	Nom.		dB(A)	57	61		62	63	64	63	64	65	66
Piping connections	Liquid	OD		mm	9.52	12.7		15.9			19.1			
	Gas	OD		mm	22.2	25.4		28.6			34.9			
	Discharge gas	OD		mm	19.1		22.2			25.4		28.6		
	Total piping length	System	Actual	m	300									
Current - 50Hz	Maximum fuse amps (MFA)			A	30	40	50	60	70	80	90			

Outdoor unit module				RQEQ140P				RQEQ180P				RQEQ212P			
Dimensions	Unit	HeightxWidthxDepth		mm				1,680x635x765							
Weight	Unit			kg				175				179			
Fan	Air flow rate	Cooling	Nom.	m ³ /min				95				110			
Sound power level	Cooling	Nom.		dB(A)				-							
Sound pressure level	Cooling	Nom.		dB(A)				54				58			
Operation range	Cooling	Min.~Max.		°CDB				-5~43							
	Heating	Min.~Max.		°CWB				-20~15							
Refrigerant	Type			R-410A											
Power supply	Phase/Frequency/Voltage			Hz/V											
				3~/50/380-415											



Heating & Cooling

Outdoor unit				RQYQ140P	RXYQQ8T	RXYQQ10T	RXYQQ12T	RXYQQ14T	RXYQQ16T	RXYQQ18T	RXYQQ20T
Capacity range			HP	5	8	10	12	14	16	18	20
Cooling capacity	Nom.		kW	14.0	22.4	28.0	33.5	40.0	45.0	50.0	56.0
Heating capacity	Nom.		kW	16.0	25.0	31.5	37.5	45.0	50.0	56.0	63.0
Power input - 50Hz	Cooling	Nom.	kW	3.36	5.21	7.29	8.98	11.0	13.0	14.7	18.5
	Heating	Nom.	kW	3.91	5.51	7.38	9.10	11.2	12.8	14.4	17.0
EER				4.17	4.30	3.84	3.73	3.64	3.46	3.40	3.03
ESEER				-	6.37 (2) / 7.53 (3)	5.67 (2) / 7.20 (3)	5.50 (2) / 6.96 (3)	5.31 (2) / 6.83 (3)	5.05 (2) / 6.50 (3)	4.97 (2) / 6.38 (3)	4.42 (2) / 5.67 (3)
COP				4.09	4.54	4.27	4.12	4.02	3.91	3.89	3.71
Maximum number of connectable indoor units				10	64 (1)						
Indoor index connection	Min.			62.5	100	125	150	175	200	225	250
	Nom.			125	200	250	300	350	400	450	500
	Max.			162.5	260	325	390	455	520	585	650
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	-	162	175	185	223	260	261
Sound power level	Cooling	Nom.		dB(A)	-	78	79	81		88	
Sound pressure level	Cooling	Nom.		dB(A)	54	58		61		64	65
Operation range	Cooling	Min.~Max.		°CDB				-5~43			
	Heating	Min.~Max.		°CWB				-20~15.5			
Refrigerant	Type			R-410A							
Piping connections	Liquid	OD		mm	9.52			12.7		15.9	
	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	3~/50/380-415			3N~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	15	20	25	32	40		50

Outdoor unit				RXYQQ22T	RXYQQ24T	RXYQQ26T	RXYQQ28T	RXYQQ30T	RXYQQ32T	RXYQQ34T	RXYQQ36T
System	Outdoor unit module 1			RXYQQ10T	RXYQQ8T	RXYQQ12T		RXYQQ16T			
	Outdoor unit module 2			RXYQQ12T	RXYQQ16T	RXYQQ14T	RXYQQ16T	RXYQQ18T	RXYQQ16T	RXYQQ18T	RXYQQ20T
	Outdoor unit module 3			-							
Capacity range			HP	22	24	26	28	30	32	34	36
Cooling capacity	Nom.		kW	61.5	67.4	73.5	78.5	83.5	90.0	95.0	101.0
Heating capacity	Nom.		kW	69.0	75.0	82.5	87.5	93.5	100.0	106.0	113.0
Power input - 50Hz	Cooling	Nom.	kW	16.3	18.2	20.0	22.0	23.7	26.0	27.7	31.5
	Heating	Nom.	kW	16.5	18.3	20.3	21.9	23.5	25.6	27.2	29.8
EER				3.77	3.70	3.68	3.57	3.52	3.46	3.43	3.21
ESEER				5.58 (2) / 7.07 (3)	5.42 (2) / 6.81 (3)	5.39 (2) / 6.89 (3)	5.23 (2) / 6.69 (3)	5.17 (2) / 6.60 (3)	5.05 (2) / 6.50 (3)	5.01 (2) / 6.44 (3)	4.68 (2) / 6.02 (3)
COP				4.18	4.10	4.06	4.00	3.98	3.91	3.90	3.79
Maximum number of connectable indoor units				64 (1)							
Indoor index connection	Min.			275	300	325	350	375	400	425	450
	Nom.			550	600	650	700	750	800	850	900
	Max.			715	780	845	910	975	1,040	1,105	1,170
Piping connections	Liquid	OD		mm	15.9			19.1			
	Gas	OD		mm	28.6		34.9			41.3	
	Total piping length	System	Actual	m	300						
Current - 50Hz	Maximum fuse amps (MFA)			A	63				80		

Outdoor unit				RXYQQ38T		RXYQQ40T		RXYQQ42T		
System	Outdoor unit module 1			RXYQQ8T		RXYQQ10T		RXYQQ10T		
	Outdoor unit module 2			RXYQQ10T		RXYQQ12T		RXYQQ16T		
	Outdoor unit module 3			RXYQQ20T		RXYQQ18T		RXYQQ16T		
Capacity range			HP	38		40		42		
Cooling capacity	Nom.		kW	106.0		112.0		118.0		
Heating capacity	Nom.		kW	120.0		125.0		132.0		
Power input - 50Hz	Cooling	Nom.	kW	31.0			33.3			
	Heating	Nom.	kW	29.9		30.9		33.0		
EER				3.42		3.61		3.54		
ESEER				5.03 (2) / 6.36 (3)			5.29 (2) / 6.74 (3)		5.19 (2) / 6.65 (3)	
COP				4.01		4.05		4.00		
Maximum number of connectable indoor units				64 (1)						
Indoor index connection	Min.			475		500		525		
	Nom.			950		1,000		1,050		
	Max.			1,235		1,300		1,365		
Piping connections	Liquid	OD		mm	19.1					
	Gas	OD		mm	41.3					
	Total piping length	System	Actual	m	300					
Current - 50Hz	Maximum fuse amps (MFA)			A	100					

(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) The STANDARD ESEER value corresponds with normal VRV4 Heat Pump operation, not taking into account advanced energy saving operation functionality (3) The AUTOMATIC SEER value corresponds with normal VRV4 Heat Pump operation, taking into account advanced energy saving operation functionality (variable refrigerant temperature control operation)

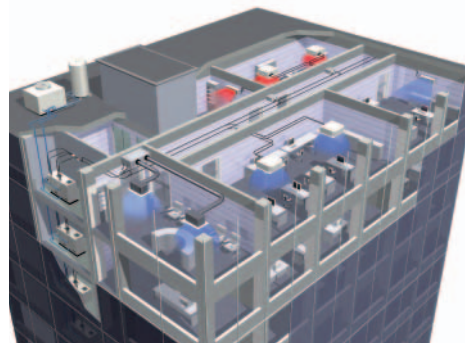


RWEYQ-8-10T

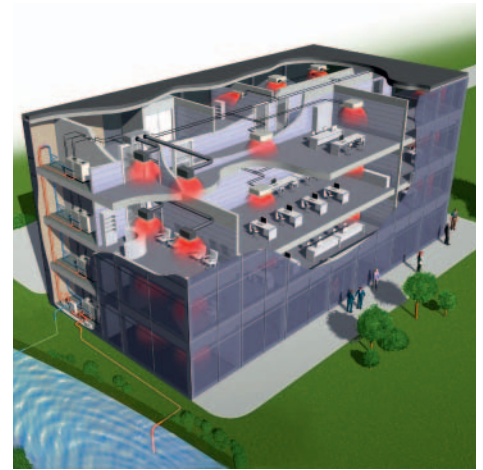
VRV IV W-series

- > 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
- > Suitable for multi-storey and large buildings because of the hardly unlimited possibilities of water piping
- > 2-stage heat recovery: first stage between indoor units, second stage between outdoor units thanks to the storage of energy in the water circuit
- > Customize your VRV for best seasonal efficiency & comfort with the weather dependant Variable Refrigerant Temperature function
- > Increased seasonal efficiency with Variable Refrigerant Temperature when compared to previous series
- > Best comfort, no cold draft by supply of a high outblow air temperature thanks to Variable Refrigerant Temperature and all inverter technology
- > High heating efficiency at low water entering temperatures in geothermal mode
- > Simultaneous cooling and heating from one system
- > VRV configurator software for the fastest and most accurate commissioning, configuration and customisation
- > Accurate temperature control, fresh air provision, air handling units Biddle air curtains and hot water production, all integrated in a single system requiring only one single point of contact
- > Compact design (stacked configuration possible)
- > The ability to control each conditioned zone individually keeps VRV system running costs to an absolute minimum
- > Spread your installation cost by phased installation
- > Keep your system in top condition via our ACNSS service: 24/7 monitoring for maximum efficiency, extended lifetime, immediate service support thanks to failure prediction and a clear understanding of operability and usage
- > Easy compliance with F-gas regulation thanks to automated refrigerant containment check
- > European-optimised design and manufactured in Europe for short lead-in times
- > Variable Water Flow control option increases flexibility and control





Standard operation



Geothermal operation

Heat recovery Heating & Cooling

Outdoor unit				RWEYQ8T		RWEYQ10T		
Capacity range		HP		8		10		
Cooling capacity	Capacity		kW	22.4		28.0		
	EER			5.07		4.56		
	PI		kW	4.42		6.14		
Heating capacity	Capacity		kW	25.0		31.5		
	EER			5.94		5.25		
	PI		kW	4.21		6.00		
Power input - 50Hz	Cooling	Nom.	kW	4.42		6.14		
	Heating	Nom.	kW	4.21		6.00		
EER				5.07		4.56		
COP				5.94		5.25		
Maximum number of connectable indoor units						36		
Indoor index connection	Min.			100		125		
	Nom.			200		250		
	Max.			260		325		
Dimensions	Unit	HeightxWidthxDepth	mm			1,000x780x550		
Weight	Unit		kg	137		137		
Sound power level	Cooling	Nom.	dB(A)			-		
Sound pressure level	Cooling	Nom.	dB(A)	50		51		
Operation range	Inlet water temperature	Cooling	Min.~Max. °CDB			10~45		
		Heating	Min.~Max. °CWB			10~45		
Refrigerant	Type					R-410A		
Piping connections	Liquid	OD	mm			9.52		
	Gas	OD	mm	19.1 (1)		22.2 (1)		
	Discharge gas	OD	mm	15.9 (2) / 19.1 (3)		19.1 (2) / 22.2 (3)		
	Water	Inlet/Outlet				PT1 1/4B internal thread/PT1 1/4B internal thread		
	Piping length	OU - IU	Max.	m			120	
	Total piping length	System	Actual	m			300	
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)			
Power supply	Phase/Frequency/Voltage		Hz/V			3N~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A			20		

(1) In case of heat pump system, gas pipe is not used (2) In case of heat recovery system (3) In case of heat pump system

Outdoor system				RWEYQ16T	RWEYQ18T	RWEYQ20T	RWEYQ24T	RWEYQ26T	RWEYQ28T	RWEYQ30T
System	Outdoor unit module 1			RWEYQ8T	RWEYQ10T		RWEYQ8T	RWEYQ10T		
	Outdoor unit module 2			RWEYQ8T		RWEYQ10T	RWEYQ8T		RWEYQ10T	
	Outdoor unit module 3			-			RWEYQ8T		RWEYQ10T	
Capacity range		HP		16	18	20	24	26	28	30
Cooling capacity	Capacity		kW	44.8	50.4	56.0	67.2	72.8	78.4	84.0
	EER			5.07	4.77	4.56	5.07	4.86	4.69	4.56
	PI		kW	8.8	10.6	12.3	13.3	15.0	16.7	18.4
Heating capacity	Capacity		kW	50.0	56.5	63.0	75.0	81.5	88.0	94.5
	EER			5.94	5.53	5.25	5.94	5.65	5.43	5.25
	PI		kW	8.4	10.2	12.0	12.6	14.4	16.2	18.0
Power input - 50Hz	Cooling	Nom.	kW	9.10	10.6	12.1	13.7	15.1	16.6	18.1
	Heating	Nom.	kW	8.48	10.3	12.1	12.7	14.5	16.3	18.2
EER				4.92	4.63	4.41	4.91	4.74	4.57	4.43
COP				5.87	5.48	5.21	5.91	5.62	5.40	5.19
Maximum number of connectable indoor units								36		
Sound pressure level	Cooling	Nom.	dB(A)	53	54			55	56	
Piping connections	Liquid	OD	mm	12.7	15.9			19.1		
	Gas	OD	mm	28.6 (1)		34.9 (1)				
	Discharge gas	OD	mm	22.2 (2) / 28.6 (3)	22.2 (2) / 28.6 (3)	22.2 (2) / 28.6 (3)	28.6 (2) / 34.9 (3)	28.6 (2) / 34.9 (3)	28.6 (2) / 34.9 (3)	28.6 (2) / 34.9 (3)
	Piping length	OU - IU	Max.	m					120	
	Total piping length	System	Actual	m					300	
	Level difference	OU - IU		m	50 (outdoor unit in highest position) / 40 (indoor unit in highest position)					
	Current - 50Hz	Maximum fuse amps (MFA)		A	32				50	

(1) In case of heat pump system, gas pipe is not used (2) In case of heat recovery system (3) In case of heat pump system

New Multi branch selector for VRV heat recovery

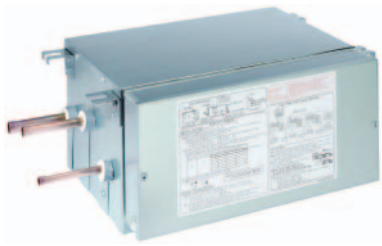


Multi branch selector for VRV heat recovery

Available spring 2014

Less is more

- ✓ Smaller
- ✓ Lighter
- ✓ All indoors connectable to one BS box
- ✓ Maximum flexibility
by free combination of single and multi BS boxes



BSVQ-P9B

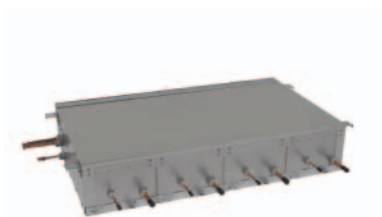
- > Allows individual cool / heat switching of 1 group of indoor units
- > Maximum design flexibility because individual and multi boxes can be combined in one system
- > Low built-in height
- > No drain piping needed
- > Allows multi tenant applications (option PCB required)

Heat recovery

				BSVQ100P9B	BSVQ160P9B	BSVQ250P9B
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
Casing	Material			Galvanised steel plate		Galvanised steel
Dimensions	Unit	HeightxWidthxDepth		mm		
				207x388x326		
Weight	Unit			12		15
Piping connections	Outdoor unit	Liquid	Type/OD	mm		
		Gas	Type/OD	mm		
		Discharge gas	Type/OD	mm		
	Indoor unit	Liquid	Type/OD	mm		
		Gas	Type/OD	mm		
				mm		
Sound absorbing thermal insulation				Foamed polyurethane, frame resisting needle felt		
Power supply	Phase/Frequency/Voltage		Hz/V			
			1~/50/220-240			
Total circuit	Maximum fuse amps (MFA)		A			
			15			

BSV4Q-PV, BSV6Q-PV

Multi branch selector for VRV heat recovery



BSV4Q100PV















- > Faster installation thanks to a reduced number of brazing points and wiring
- > No drain piping needed
- > Allows individual cool / heat switching for up to 6 groups of indoor units
- > Maximum design flexibility because individual and multi boxes can be combined in one system
- > Low built-in height

Indoor unit				BSV4Q100PV	BSV6Q100PV
Power input	Cooling	Nom.	kW	0.020	0.030
	Heating	Nom.	kW	0.020	0.030
Maximum number of connectable indoor units				24	36
Maximum number of connectable indoor units per branch				6	
Number of branches				4	6
Maximum capacity index of connectable indoor units				400	600
Maximum capacity index of connectable indoor units per branch				100	
Casing	Material			Galvanised steel plate	
Dimensions	Unit	HeightxWidthxDepth		mm	
				209x1,053x635	
Weight	Unit			kg	
				60	
Piping connections	Outdoor unit	Liquid	Type/OD	mm	
		Gas	Type/OD	mm	
		Discharge gas	Type/OD	mm	
	Indoor unit	Liquid	Type/OD	mm	
		Gas	Type/OD	mm	
				mm	
Sound absorbing thermal insulation				Foamed polyurethane, frame resisting needle felt	
Power supply	Phase/Frequency/Voltage		Hz/V		
			1~/50/220-240		
Total circuit	Maximum fuse amps (MFA)		A		
			15		



Products overview - VRV indoor

VRV air conditioning brings summer freshness and winter warmth to offices, hotels, department stores and many other commercial premises. It enhances the indoor environment and creates a basis for increased business prosperity and whatever the air conditioning requirement, a Daikin indoor unit will provide the answer. VRV air conditioning can be supplied via **VRV indoor units or stylish indoor units as Daikin Emura, Nexura, ...**

Type	Model	Product name	Image	Capacity													
				15	20	25	32	40	50	63	71	80	100	125	140	200	250
CEILING MOUNTED CASSETTE	Round flow cassette autocleaning function ³ Presence & floor sensor ³	FXFQ-A															
	Fully flat cassette Presence & floor sensor ³	FXZQ-A															
	2-way blow ceiling mounted cassette	FXCQ-A															
	Ceiling mounted corner cassette	FXKQ-MA															
CONCEALED CEILING	Small concealed ceiling unit	FXDQ-M9															
	Slim concealed ceiling unit	FXDQ-A															
	Concealed ceiling unit with inverter driven fan	FXSQ-P															
	Concealed ceiling unit with inverter driven fan	FXMQ-P7															
	Large concealed ceiling unit	FXMQ-MA ⁴															
WALL MOUNTED	Wall mounted unit	FXAQ-P															
CEILING SUSPENDED	Ceiling suspended unit	FXHQ-A															
	4-way blow ceiling suspended unit	FXUQ-A															
FLOOR STANDING	Floor standing unit	FXLQ-P															
	Concealed floor standing unit	FXNQ-P															
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.


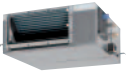







² Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m

³ Optional

⁴ Not connectable to VRV III-S

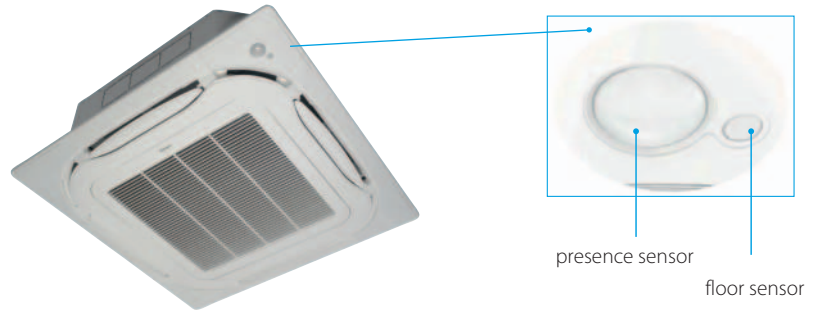
Benefits overview - VRV indoor

		Ceiling mounted cassette				
		FXFQ-A	FXZQ-A	FXCQ-A	FXKQ-MA	FXDQ-M9
						
We care icons	 Inverter technology	✓	✓	✓	✓	✓
	 Home leave operation	✓	✓	✓	✓	✓
	 Fan only	✓	✓	✓	✓	✓
	 Auto cleaning filter	✓				
	 Floor & presence sensor	✓	✓			
Comfort	 Draught prevention	✓	✓		✓	
	 Auto cooling-heating changeover	✓	✓	✓	✓	✓
	 Whisper quiet	✓	✓	✓		
Air flow	 Individual flap control	✓	✓			
	 Ceiling soiling prevention	✓	✓	✓	✓	
	 Vertical auto swing	✓	✓	✓	✓	
	 Fan speed steps	3	3	3	2	2
Humidity control	 Dry programme	✓	✓	✓	✓	✓
Air treatment	 Air filter	✓	✓	✓	✓	✓
Remote control & timer	 Weekly timer	✓	✓	✓	✓	✓
	 Infrared remote control	✓	✓	✓	✓	✓
	 Wired remote control	✓	✓	✓	✓	✓
	 Centralised control	✓	✓	✓	✓	✓
Other functions	 Auto-restart	✓	✓	✓	✓	✓
	 Self-diagnosis	✓	✓	✓	✓	✓
	 Multi tenant	✓	✓			✓
	 Drain pump kit	Standard	Standard	Standard	Standard	

Concealed ceiling unit				Wall mounted unit	Ceiling suspended unit		Floor standing unit	
FXDQ-A	FXSQ-P	FXMQ-P7	FXMQ-MA	FXAQ-P	FXHQ-A	FXUQ-A	FXNQ-P	FXLQ-P
								
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
						✓		
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓			✓				
						✓		
				✓		✓		
3	3	3	2	2	3	3	3	3
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
Standard	Standard	Standard	Optional	Optional	Optional	Standard		

Round flow cassette:

setting the standard for efficiency and comfort

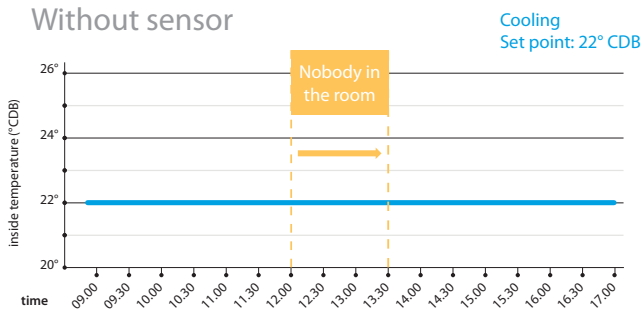


The round flow cassette is designed for use in all forms and sizes of commercial offices & retail environments. Today, Daikin has improved its technology even further to enhance your comfort and provide you better energy efficient models.

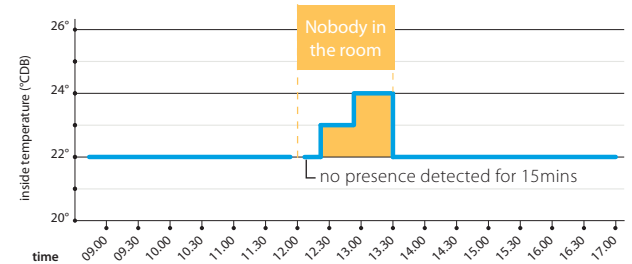
Even more energy efficient...

- With the optional infrared **presence sensor** the set point can be adjusted or the round flow cassette switched off when there is nobody in the room. Up to **27% energy can be saved** (estimated) with this new function. If no presence is detected in the room for 15mins, the set temperature is changed until a minimum temperature (for heating) or maximum temperature (for cooling) is reached. When selecting the setback function, the unit will maintain the temperature within a preset minimum and maximum temperature, when there is no presence detected in the room for 1 hour.

Without sensor

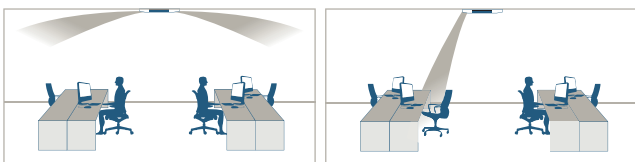


With sensor (BRC1E52A/B required)



... and improved comfort

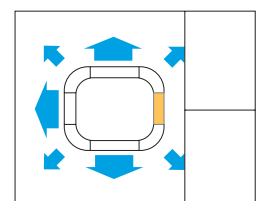
- With the optional **infrared floor sensor** having cold feet will become history. This sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor.
- The **presence sensor** directs air flow away from any person detected in the room, when the air flow control is on.



- The **unique 360° airflow** discharge pattern ensures a uniform temperature distribution across the room without dead corners.

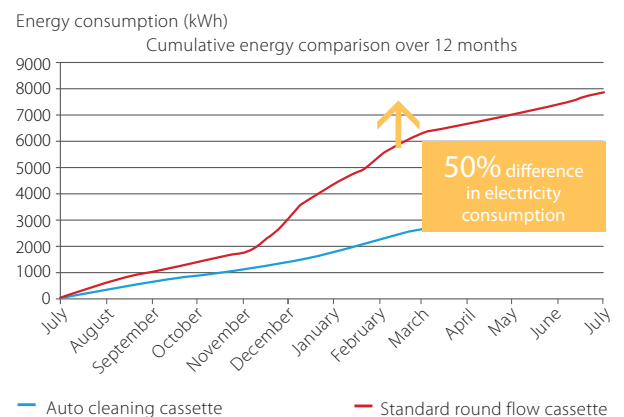
Flexible installation

- When refurbishing or rearranging the interior of your office, shop or other area, you no longer need to change the location of your indoor unit. With the round flow cassette one flap can be easily closed via the wired remote controller (BRC1E52A/B – optional). Optional closure kits are available as well.



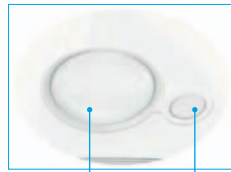
- Daikin was the first to launch an **auto-cleaning decoration panel**. With this panel the costs can be further reduced as the filter cleans itself automatically once a day. Up to **50% energy can be saved** thanks to daily filter cleaning.

Test site, Wolverhampton, UK





FXFQ20-63A



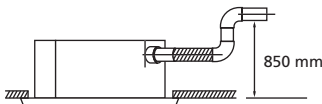
presence sensor
floor sensor



BRC1E52A/B BRC7A532F



- › The round flow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners
- › 360° air discharge ensures uniform air flow and temperature distribution
- › Modern style decoration panel is available in 3 different variations: pure white (RAL9010) auto cleaning panel, pure white (RAL9010) standard panel with grey louvers and pure white (RAL9010) standard panel with white louvers
- › Daikin introduces first auto cleaning cassette to European market.
- › Higher efficiency and comfort thanks to daily auto cleaning of the filter.
- › Lower maintenance costs thanks to auto cleaning function.
- › Easy dust removal with vacuum cleaner without opening the unit.
- › The presence sensor (optional) adjusts the set point with standard 1°C if no one is detected in the room, it is possible to adjust the set point with 2, 3 or 4°C (optional). It also automatically directs air flow away from any person to avoid draught.
- › The floor sensor (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- › Individual flap control: one flap can be easily closed via the wired remote control (BRC1E52) in case you would refurbish or rearrange your interior
- › Low energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- › Fresh air intake: up to 20 %
- › Low installation height: 214mm for class 20-63
- › Standard drain pump with 850mm lift



Indoor unit			FXFQ20A	FXFQ25A	FXFQ32A	FXFQ40A	FXFQ50A	FXFQ63A	FXFQ80A	FXFQ100A	FXFQ125A	
Cooling capacity	Nom.	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	
Heating 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.	0.038				0.053	0.061	0.092	0.115	0.186	
	Heating	Nom.	0.038				0.053	0.061	0.092	0.115	0.186	
Dimensions	Unit	HeightxWidthxDepth	204x840x840						246x840x840		288x840x840	
Weight	Unit	kg	19			20		21		24	26	
Decoration panel	Model	BYCQ140D7W1										
	Colour	Pure White (RAL 9010)										
	Dimensions	HeightxWidthxDepth	60x950x950									
	Weight	kg	5.4									
Decoration panel 2	Model	BYCQ140D7W1W										
	Colour	Pure White (RAL 9010)										
	Dimensions	HeightxWidthxDepth	60x950x950									
	Weight	kg	5.4									
Decoration panel 3	Model	BYCQ140D7GW1										
	Colour	Pure White (RAL 9010)										
	Dimensions	HeightxWidthxDepth	145x950x950									
	Weight	kg	10.3									
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	m ³ /min			13.6/11.6/9.5	15.0/12.8/10.5	16.5/13.5/10.5	22.8/17.6/12.4	26.5/19.5/12.4	33.0/26.5/19.9	
	Heating	High/Nom./Low	m ³ /min			12.5/10.6/8.8	13.6/11.6/9.5	15.0/12.8/10.5	16.5/13.5/10.5	22.8/17.6/12.4	26.5/19.5/12.4	
Sound power level	Cooling	High/Nom.	dBA			49/-	51/-	53/-	55/-	60/-	61/-	
Sound pressure level	Cooling	High/Nom./Low	dBA			31/29/28	33/31/29	35/33/30	38/34/30	43/37/30	45/41/36	
	Heating	High/Nom./Low	dBA			31/29/28	33/31/29	35/33/30	38/34/30	43/37/30	45/41/36	
Refrigerant	Type	R-410A										
Piping connections	Liquid/OD/Gas/OD/Drain	mm	6.35/12.7/VP25 (O.D. 32 / I.D. 25)					9.52/15.9/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									

BYCQ140D7W1 = pure white panel with grey louvers, BYCQ140D7W1W = pure white standard panel with white louvers, BYCQ140D7GW1 = Pure white auto cleaning panel
The BYCQ140D7W1W has white insulations. Be informed that formations of dirt on white insulation is visibly stronger & that it is consequently not advised to install the decoration panel in environments exposed to concentrations of dirt.

Fully flat cassette

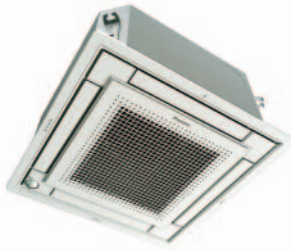


Design & Genius in one



Unique in the market, the fully flat cassette is a remarkable blend of iconic design and engineering excellence with an elegant white or a silver and white finish. Fitting flush within the ceiling modules and fully flat with the ceiling itself, the cassette is both stylish and unobtrusive. Superb efficiency and comfort is delivered through the combined use of floor and presence sensors and, when necessary, the individual flap control via the wired remote controller makes it simple to close one flap.

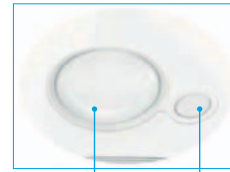




FXZQ-A (white panel)



FXZQ-A (silver and white panel)



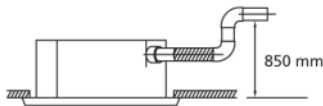
presence sensor

floor sensor



BRC1E52A/B BRC7F530W/S

- › Unique design in the market: integrates fully flat into the ceiling and fits flush into architectural ceiling modules
- › Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- › 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- › The presence sensor (optional) adjusts the set point with standard 1°C if no one is detected in the room, it is possible to adjust the set point with 2, 3 or 4°C (optional). It also automatically directs air flow away from any person to avoid draught.
- › The floor sensor (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- › Individual flap control: one flap can be easily closed via the wired remote control (BRC1E52) in case you would refurbish or rearrange your interior
- › Low energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- › Fresh air intake for healthy living
- › Standard drain pump with 850mm lift



Indoor unit			FXZQ15A	FXZQ20A	FXZQ25A	FXZQ32A	FXZQ40A	FXZQ50A	
Cooling capacity	Nom.	kW	1.7	2.2	2.8	3.6	4.5	5.6	
Heating capacity	Nom.	kW	1.9	2.5	3.2	4.0	5.0	6.3	
Power input - 50Hz	Cooling	Nom.	0.043			0.045		0.059	0.092
	Heating	Nom.	0.036			0.038		0.053	0.086
Dimensions	Unit	HeightxWidthxDepth	mm						
Weight	Unit	kg	15.5			16.5		18.5	
	Model		BYFQ60CW						
Decoration panel	Colour		White (N9.5)						
	Dimensions	HeightxWidthxDepth	mm						
	Weight	kg	2.8						
Decoration panel 2	Model		BYFQ60CS						
	Colour		White (N9.5) + Silver						
	Dimensions	HeightxWidthxDepth	mm						
	Weight	kg	2.8						
Decoration panel 3	Model		BYFQ60B2						
	Colour		White (RAL9010)						
	Dimensions	HeightxWidthxDepth	mm						
	Weight	kg	2.7						
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	m ³ /min	8.5/7/6.5	8.7/7.5/6.5	9/8/6.5	10/8.5/7	11.5/9.5/8	14.5/12.5/10
	Heating	High/Nom./Low	m ³ /min	8.5/7/6.5	8.7/7.5/6.5	9/8/6.5	10/8.5/7	11.5/9.5/8	14.5/12.5/10
Sound power level	Cooling	High/Nom.	dB(A)	49/-		50/-	51/-	54/-	60/-
Sound pressure level	Cooling	High/Nom./Low	dB(A)	31.5/28/25.5	32/29.5/25.5	33/30/25.5	33.5/30/26	37/32/28	43/40/33
	Heating	High/Nom./Low	dB(A)	31.5/28/25.5	32/29.5/25.5	33/30/25.5	33.5/30/26	37/32/28	43/40/33
Refrigerant	Type		R-410A						
Piping connections	Liquid/OD/Gas/OD/Drain	mm	6.35/12.7/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						

(1) Dimensions include control box



FXCQ20_40A



BRC1E52A/B BRC7CA52

- > Low energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- > Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
- > Improved comfort thanks to automatic air flow adjustment to required load
- > Individual flap control: one flap can be easily closed via the wired remote control (BRC1E52) in case you would refurbish or rearrange your interior
- > Easy to install: depth of all units is 620mm
- > Maintenance operations can be performed by removing the front panel
- > Standard drain pump with 500mm lift



Indoor unit			FXCQ20A	FXCQ25A	FXCQ32A	FXCQ40A	FXCQ50A	FXCQ63A	FXCQ80A	FXCQ125A	
Cooling capacity	Nom.	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0	
Heating capacity	Nom.	kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0	
Power input - 50Hz	Cooling	Nom.	0.031	0.039		0.041	0.059	0.063	0.090	0.149	
	Heating	Nom.	0.028	0.035		0.037	0.056	0.060	0.086	0.146	
Casing	Material		Galvanised steel plate								
Dimensions	Unit	HeightxWidthxDepth	305x775x620				305x990x620		305x1,445x620		
Weight	Unit	kg	19				22	25	33	38	
Decoration panel	Model		BYBCQ40HW1				BYBCQ63HW1		BYBCQ125HW1		
	Colour		Fresh white (6.5Y 9.5/0.5)								
	Dimensions	HeightxWidthxDepth	55x1,070x700				55x1,285x700		55x1,740x700		
	Weight	kg	10				11		13		
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	m ³ /min	10.5/9/7.5	11.5/9.5/8		12/10.5/8.5	15/13/10.5	16/14/11.5	26/22.5/18.5	32/27.5/22.5
Sound power level	Cooling	Nom.	dB(A)	-							
Sound pressure level	Cooling	High/Nom./Low	dB(A)	32.0/30.0/28.0	34.0/31.0/29.0	34.0/32.0/30.0	36.0/33.0/31.0	37.0/35.0/31.0	39.0/37.0/32.0	42.0/38.0/33.0	46.0/42.0/38.0
	Heating	High/Nom./Low	dB(A)	32.0/30.0/28.0	34.0/31.0/29.0	34.0/32.0/30.0	36.0/33.0/31.0	37.0/35.0/31.0	39.0/37.0/32.0	42.0/38.0/33.0	46.0/42.0/38.0
Refrigerant	Type		R-410A								
Piping connections	Liquid/OD/Gas/OD/Drain	mm	6.35/12.7/VP25 (O.D. 32 / I.D. 25)					9.52/15.9/VP25 (O.D. 32 / I.D. 25)			
Air filter	Type		Resin net with mold resistance								
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240								
Current - 50Hz	Maximum fuse amps (MFA)	A	16								



FXKQ-MA

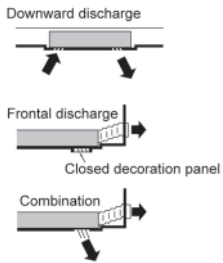


BRC1E52A/B

BRC4C61



- > 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



- > Standard drain pump with 500mm lift

Indoor unit			FXKQ25MA	FXKQ32MA	FXKQ40MA	FXKQ63MA
Cooling capacity	Nom.	kW	2.8	3.6	4.5	7.10
Heating capacity	Nom.	kW	3.2	4.0	5.0	8.00
Power input - 50Hz	Cooling	Nom.	0.066		0.076	0.105
	Heating	Nom.	0.046		0.056	0.085
Dimensions	Unit	HeightxWidthxDepth	mm			215x1,110x710
Weight	Unit		kg			31
Decoration panel	Model		BYK45FJW1			BYK71FJW1
	Colour		White			
	Dimensions	HeightxWidthxDepth	mm			70x1,240x800
	Weight		kg			8.5
Fan-Air flow rate - 50Hz	Cooling	High/Low	m ³ /min		11/9	13/10
Sound power level	Cooling	Nom.	dBA			-
Sound pressure level	Cooling	High/Low	dBA		38.0/33.0	40.0/34.0
Refrigerant	Type		R-410A			
Piping connections	Liquid/OD/Gas/OD/Drain	mm	6.35/12.7/VP25 (O.D. 32 / I.D. 25)			9.52/15.9/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			



FXDQ-M9

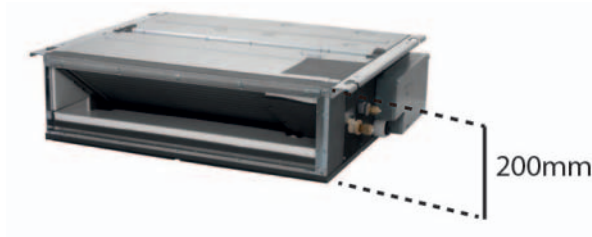


BRC1E52A/B BRC4C62

- > Designed for hotel bedrooms
- > Compact dimensions (230mm high & 652mm deep), can easily be mounted in a ceiling void
- > Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- > The air suction direction can be altered from rear to bottom suction
- > For easy mounting, the drain pan can be located to the left or right of the unit



Indoor unit			FXDQ20M9	FXDQ25M9
Cooling capacity	Nom.	kW	2.2	2.8
Heating capacity	Nom.	kW	2.5	3.2
Power input - 50Hz	Cooling	Nom.	0.050	
	Heating	Nom.	0.050	
Casing Colour			Unpainted	
Dimensions	Unit	HeightxWidthxDepth	mm	
Required ceiling void >			230x502x652	
Weight			250	
Weight			17	
Fan-Air flow rate - 50Hz	Cooling	High/Low	m ³ /min	
	Heating	High/Low	m ³ /min	
Sound power level	Cooling	Nom.	50	
	Heating	Nom.	50	
Sound pressure level	Cooling	High/Low	37/32	
	Heating	High/Low	37/32	
Refrigerant			R-410A	
Piping connections			6.35/12.7/I.D. 21.6, O.D. 27.2	
Power supply			1~/50/230	
Current - 50Hz			16	



FXDQ15-32A



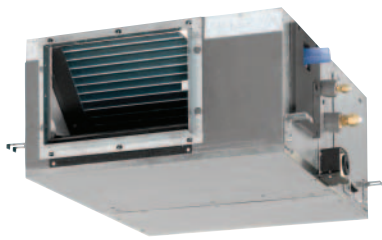
BRC1E52A/B

BRC4C65

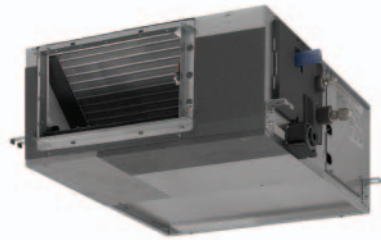
- > Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- > Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- > 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- > Low energy consumption thanks to DC inverter fans
- > Medium external static pressure facilitates unit use with flexible ducts of varying lengths
- > Standard drain pump with 750mm lift



Indoor unit			FXDQ15A	FXDQ20A	FXDQ25A	FXDQ32A	FXDQ40A	FXDQ50A	FXDQ63A	
Cooling capacity	Nom.	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	
Heating capacity	Nom.	kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0	
Power input - 50Hz	Cooling	Nom.	0.071				0.078	0.099	0.110	
	Heating	Nom.	0.068				0.075	0.096	0.107	
Casing Colour	Galvanised steel / Non painted									
Dimensions	Unit	HeightxWidthxDepth	200x750x620			240		200x950x620		200x1,150x620
Required ceiling void >			mm							
Weight	Unit		22			26		29		
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	7.5/7.0/6.4		8.0/7.2/6.4		10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0	
Fan-External static pressure - 50Hz	High/Nom.		30/10				44/15			
Sound power level	Cooling	Nom.	50		51		52	53	54	
Sound pressure level	Cooling	High/Nom./Low	32/31/27		33/31/27		34/32/28	35/33/29	36/34/30	
Refrigerant	Type		R-410A							
Piping connections	Liquid/OD/Gas/OD/Drain		6.35/12.7/VP20 (I.D. 20/O.D. 26)						9.52/15.9/VP20 (I.D. 20/O.D. 26)	
Power supply	Phase/Frequency/Voltage		1~/50/60/220-240/220							
Current - 50Hz	Maximum fuse amps (MFA)		A							
			16							



FXSQ20-32P



FXMQ20-32P7



BRC1E52A/B

BRC4C65

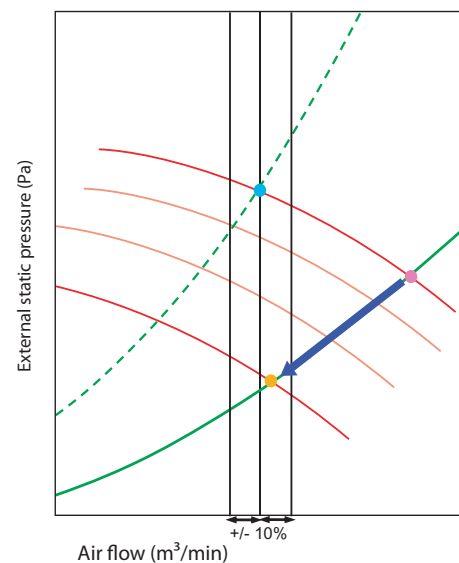
- › Easy installation thanks to automatic air flow adjustment towards nominal air flow rate
- › Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- › Up to 140Pa external static pressure (ESP) facilitates using flexible ducts of varying lengths: ideal for shops and medium size offices (FXSQ)
- › Up to 200Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas (FXMQ)
- › Low energy consumption thanks to DC inverter fans
- › Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- › The air suction direction can be altered from rear to bottom suction
- › Standard built-in drain pump increases reliability of the drain system

Easy installation thanks to automatic air flow adjustment towards nominal air flow: Installation made easier

Reduced installation time

- › After installation, it is possible that the actual duct resistance is lower than expected at time of designing. As a consequence the air flow will be too high.
- › With the automatic air flow adjustment function the unit can adapt its fan speed to a lower curve, so the air flow decreases.
- › The air flow will always be within 10% of the rated air flow because of the amount of possible fan curves (more than 8 fan curves available per model).
- › Alternatively the installer can manually select a fan curve with the wired remote control.

	Fan characteristic curve
	Actual duct resistance curve
	Duct resistance curve at the time of designing
	Rated air flow
	Airflow without air flow automatic adjustment
	Actual airflow



FXSQ-P - Medium static pressure

Indoor unit			FXSQ20P	FXSQ25P	FXSQ32P	FXSQ40P	FXSQ50P	FXSQ63P	FXSQ80P	FXSQ100P	FXSQ125P	FXSQ140P								
Cooling capacity	Nom.	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	16.0								
Heating capacity	Nom.	kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0	18.0								
Power input - 50Hz	Cooling	Nom.	0.041		0.044		0.097		0.074		0.118									
	Heating	Nom.	0.029		0.032		0.085		0.062		0.106									
Casing Colour			Unpainted																	
Dimensions	Unit	HeightxWidthxDepth	300x550x700			300x700x700			300x1,000x700			300x1,400x700								
Required ceiling void >			mm																	
Weight			23			26			35			46								
Decoration panel	Model		BYBS32DJW1			BYBS45DJW1			BYBS71DJW1			BYBS125DJW1								
	Colour		White (10Y9/0.5)																	
	Dimensions	HeightxWidthxDepth	55x650x500			55x800x500			55x1,100x500			55x1,500x500								
	Weight		3.0			3.5			4.5			6.5								
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	9/7.8/6.5		9.5/8.3/7		16/13.5/11		19.5/17.8/16		25/22.5/20		32/27.5/23		39/33.5/28		46/39/32			
	Heating	High/Nom./Low	9/7.8/6.5		9.5/8.3/7		16/13.5/11		19.5/17.8/16		25/22.5/20		32/27.5/23		39/33.5/28		46/39/32			
Fan-External static pressure - 50Hz			High/Nom.		Pa		70/30		100/30		100/40		120/40		120/50		140/50			
Sound power level			Cooling	High/Nom.	dBA		55		56		63		59		63		61		66	
Sound pressure level	Cooling	High/Low	32/26		33/27		37/29		37/30		38/32		40/33		42/34					
	Heating	High/Low	32/26		33/27		37/29		37/30		38/32		40/33		42/34					
Refrigerant			Type		R-410A															
Piping connections			Liquid/OD/Gas/OD/Drain		mm															
Power supply			Phase/Frequency/Voltage		Hz/V															
Current - 50Hz			Maximum fuse amps (MFA)		A															



FXMQ-P7-High static pressure

Indoor unit			FXMQ20P7	FXMQ25P7	FXMQ32P7	FXMQ40P7	FXMQ50P7	FXMQ63P7	FXMQ80P7	FXMQ100P7	FXMQ125P7	
Cooling capacity	Nom.	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	
Heating 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.	0.049		0.053	0.151	0.110	0.120	0.171	0.176	0.241	
	Heating	Nom.	0.037		0.041	0.139	0.098	0.108	0.159	0.164	0.229	
Casing	Colour		Unpainted									
	Material		Galvanised steel plate									
Dimensions	Unit	HeightxWidthxDepth	300x550x700			300x700x700	300x1,000x700			300x1,400x700		
Required ceiling void >		mm	350									
Weight	Unit	kg	23			26	35			46		
Decoration panel	Model		BYBS32DJW1			BYBS45DJW1	BYBS71DJW1			BYBS125DJW1		
	Colour		White (10Y9/0.5)									
	Dimensions	HeightxWidthxDepth	55x650x500			55x800x500	55x1,100x500			55x1,500x500		
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	9/7.8/6.5		9.5/8.3/7	16/13.5/11	18/16.5/15	19.5/17.8/16	25/22.5/20	32/27.5/23	39/33.5/28	
	Heating	High/Nom./Low	9.0/7.8/6.5		9.5/8.3/7	16/13.5/11	18/16.5/15	19.5/17.8/16	25/22.5/20	32/27.5/23	39/33.5/28	
Fan-External static pressure - 50Hz	High/Nom.	Pa	100/50			160/100	200/100					
Sound power level	Cooling	High/Nom.	56/-		57/-	65/-	61/-	64/-	67/-	65/-	70/-	
	Cooling	High/Nom./Low	33/31/29		34/32/30	39/37/35	41/39/37	42/40/38	43/41/39		44/42/40	
Sound pressure level	Heating	High/Nom./Low	33/31/29		34/32/30	39/37/35	41/39/37	42/40/38	43/41/39		44/42/40	
	Refrigerant	Type	R-410A									
Piping connections	Liquid/OD/Gas/OD/Drain	mm	6.35/12.7/VP25 (I.D. 25/O.D. 32)						9.52/15.9/VP25 (I.D. 25/O.D. 32)			
Air filter	Type		Resin net with mold resistance									
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/60/220-240/220									
Current - 50Hz	Maximum fuse amps (MFA)	A	16									



FXMQ-MA



BRC1E52A/B

BRC4C65

- › Up to 270Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- › Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- › Up to 31.5kW in heating mode



Indoor unit			FXMQ200MA	FXMQ250MA
Cooling capacity	Nom.	kW	22.4	28.0
Heating capacity	Nom.	kW	25.0	31.5
Power input - 50Hz	Cooling	Nom.	1.294	1.465
	Heating	Nom.	1.294	1.465
Dimensions	Unit	HeightxWidthxDepth	470x1,380x1,100	
Weight	Unit	kg	137	
Fan-Air flow rate - 50Hz	Cooling	High/Low	58/50	72/62
Fan-External static pressure - 50Hz	High/Nom.		221/132	270/191
Sound power level	Cooling	Nom.	-	
Sound pressure level	Cooling	High/Low	48/45	
Refrigerant	Type		R-410A	
Piping connections	Liquid/OD/Gas/OD/Drain	mm	9.52/19.1/PS1B	9.52/22.2/PS1B
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/60/220-240/220	
Current - 50Hz	Maximum fuse amps (MFA)	A	15	



FXAQ15-32P



BRC1E52A/B BRC7E618

- > Ideal solution for shops, restaurants or offices with no or narrow false ceilings
- > Low energy consumption thanks to DC fan motor
- > Can be installed in both new and existing buildings
- > Flat, stylish front panel blends easily within any interior décor and is more easy to clean
- > 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- > 5 different discharge angles can be programmed via the remote control
- > Maintenance operations can be performed from the front of the unit



Indoor unit			FXAQ15P	FXAQ20P	FXAQ25P	FXAQ32P	FXAQ40P	FXAQ50P	FXAQ63P	
Cooling capacity	Nom.	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	
Heating capacity	Nom.	kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0	
Power input - 50Hz	Cooling	Nom.	0.017	0.019	0.028	0.030	0.020	0.033	0.050	
	Heating	Nom.	0.025	0.029	0.034	0.035	0.020	0.039	0.060	
Casing Colour	White (3.0Y8.5/0.5)									
Dimensions	Unit	HeightxWidthxDepth	mm 290x795x238				mm 290x1,050x238			
Weight	Unit	kg	11				14			
Fan-Air flow rate - 50Hz	Cooling	High/Low	m ³ /min 7.0/4.5	7.5/4.5	8/5	8.5/5.5	12/9	15/12	19/14	
Sound power level	Cooling	Nom.	-							
Sound pressure level	Cooling	High/Low	34.0/29.0	35.0/29.0	36.0/29.0	37.5/29.0	39.0/34.0	42.0/36.0	47.0/39.0	
Refrigerant	Type	R-410A								
Piping connections	Liquid/OD/Gas/OD/Drain	mm	6.35/12.7/VP13 (I.D. 13/O.D. 18)						9.52/15.9/VP13 (I.D. 13/O.D. 18)	
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240							
Current - 50Hz	Maximum fuse amps (MFA)	A	16							



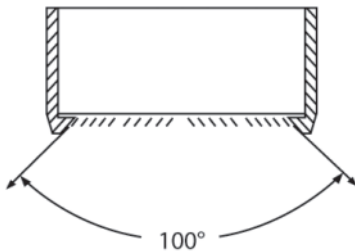
FXHQ100A



BRC1E52A/B

BRC7G53

- › Ideal solution for commercial spaces with narrow or no false ceilings
- › The unit can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- › Low energy consumption thanks to DC fan motor and drain pump
- › Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
- › Can be installed in both new and existing buildings
- › Wider air discharge thanks to Coanda effect: up to 100°



- › Air flow distribution for ceiling heights up to 3.8m without capacity loss



Indoor unit				FXHQ32A	FXHQ63A	FXHQ100A
Cooling capacity	Nom.		kW	3.6	7.1	11.2
Heating 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
Casing Colour	Fresh White					
Dimensions	Unit	HeightxWidthxDepth	mm	235x960x690	235x1,270x690	235x1,590x690
Weight	Unit		kg	24	33	39
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	m ³ /min	14.0/12.0/10.0	20.0/17.0/14.0	29.5/24.0/19.0
	Heating	High/Nom./Low	m ³ /min	14.0/12.0/10.0	20.0/17.0/14.0	29.5/24.0/19.0
Sound power level	Cooling	Nom.	dB(A)	-	-	-
Sound pressure level	Cooling	High/Nom./Low	dB(A)	36.0/34.0/31.0	37.0/35.0/34.0	44.0/37.0/34.0
	Heating	High/Nom./Low	dB(A)	36.0/34.0/31.0	37.0/35.0/34.0	44.0/37.0/34.0
Refrigerant	Type			R-410A		
Piping connections	Liquid/OD/Gas/OD/Drain		mm	6.35/12.7/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		



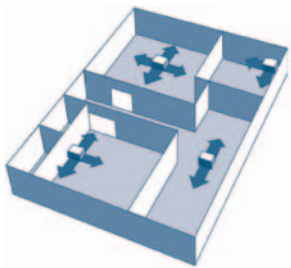
FXUQ-A



BRC1E52A/B

BRC7C58

- › Ideal solution for commercial spaces with narrow or no false ceilings
- › Separate BEVQ box is no longer needed: the expansion valve is integrated in the indoor unit.
- › Low energy consumption thanks to DC fan motor and drain pump
- › Stylish unit blends easily with any interior, as the flaps close entirely when not in operation
- › Improved comfort thanks to automatic air flow adjustment to required load
- › Individual flap control: one flap can be easily closed via the wired remote control (BRC1E52) in case you would refurbish or rearrange your interior



- › Can be installed in both new and existing buildings
- › Same outlook for all models (unified dimensions)
- › Air can be discharged in 5 different angles between 0 and 60°
- › Air flow distribution for ceiling heights up to 3.5m without capacity loss
- › Standard drain pump with 500mm lift



Indoor unit				FXUQ71A	FXUQ100A
Cooling capacity	Nom.		kW	8.0	11.2
Heating capacity	Nom.		kW	9.0	12.5
Power input - 50Hz	Cooling	Nom.	kW	0.090	0.200
	Heating	Nom.	kW	0.073	0.179
Casing Colour	Fresh White				
Dimensions	Unit	HeightxWidthxDepth	mm	198x950x950	
Weight	Unit		kg	26	27
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	m ³ /min	22.5/19.5/16.0	31.0/26.0/21.0
	Heating	High/Nom./Low	m ³ /min	22.5/19.5/16.0	31.0/26.0/21.0
Sound power level	Cooling	Nom.	dBA	-	-
Sound pressure level	Cooling	High/Nom./Low	dBA	40.0/38.0/36.0	47.0/44.0/40.0
	Heating	High/Nom./Low	dBA	40.0/38.0/36.0	47.0/44.0/40.0
Refrigerant	R-410A				
Piping connections	Liquid/OD/Gas/OD/Drain		mm	9.52/15.9/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	



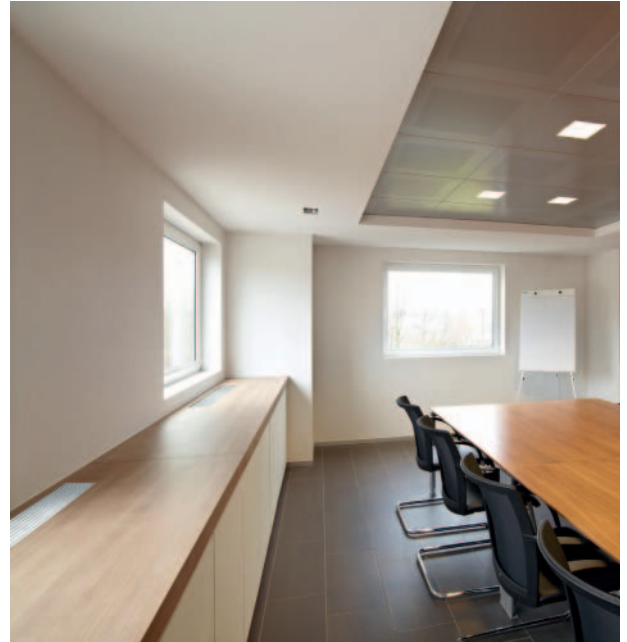
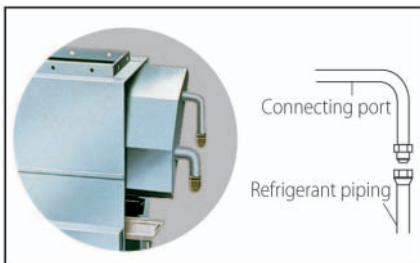
FXNQ20-25P



BRC1E52A/B

BRC4C65

- > Its low height enables the unit to fit perfectly beneath a window
- > Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- > Requires very little installation space
- > The connecting port faces downward, eliminating the need to attach auxiliary piping



Indoor unit			FXNQ20P	FXNQ25P	FXNQ32P	FXNQ40P	FXNQ50P	FXNQ63P
Cooling capacity	Nom.	kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Nom.	kW	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	Nom.	0.049		0.090		0.110	
	Heating	Nom.	0.049		0.090		0.110	
Dimensions	Unit	HeightxWidthxDepth	610x930x220		610x1,070x220		610x1,350x220	
Weight	Unit	kg	19		23		27	
Fan-Air flow rate - 50Hz	Cooling	High/Low	7/6		8/6		11/8.5	
Sound power level	Cooling	Nom.						
Sound pressure level	Cooling	High/Low	35/32		38/33		39/34	
Refrigerant	Type		R-410A					
Piping connections	Liquid/OD/Gas/OD/Drain	mm	6.35/12.7/O.D. 21					
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)	A	15					



FXLQ20-25



BRC1E52A/B

BRC7C62

- › Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011)
- › 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
- › Requires very little installation space
- › Wall mounted installation facilitates cleaning beneath the unit where dust tends to accumulate



- › Wired remote control can easily be integrated in the unit

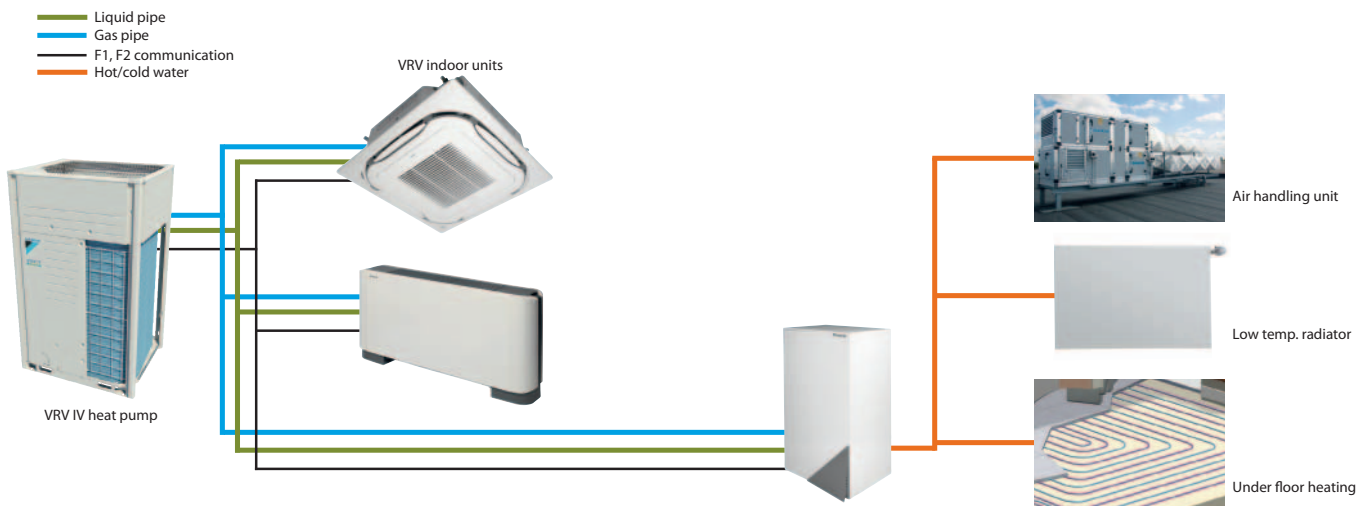


Indoor unit			FXLQ20P	FXLQ25P	FXLQ32P	FXLQ40P	FXLQ50P	FXLQ63P	
Cooling capacity	Nom.	kW	2.2	2.8	3.6	4.5	5.6	7.1	
Heating capacity	Nom.	kW	2.5	3.2	4.0	5.0	6.3	8.000	
Power input - 50Hz	Cooling	Nom.	0.049		0.090		0.110		
	Heating	Nom.	0.049		0.090		0.110		
Casing Colour	Fresh white (RAL9010) / Dark grey (RAL7011)								
Dimensions	Unit	HeightxWidthxDepth	600x1,000x232		600x1,140x232		600x1,420x232		
Weight	Unit	kg	27		32		38		
Fan-Air flow rate - 50Hz	Cooling	High/Low	7/6		8/6		11/8.5		
Sound power level	Cooling	Nom.	-		-		-		
Sound pressure level	Cooling	High/Low	35/32		38/33		39/34		
Refrigerant	Type	R-410A							
Piping connections	Liquid/OD/Gas/OD/Drain	mm	6.35/12.7/O.D. 21					9.52/15.9/O.D. 21	
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/60/220-240/220						
Current - 50Hz	Maximum fuse amps (MFA)	A	15						



HXY-A

- > Highly efficient space heating/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
- > Saves space with contemporary wall hung design
- > Requires no gas connection or oil tank
- > Connectable to VRV IV heat pump

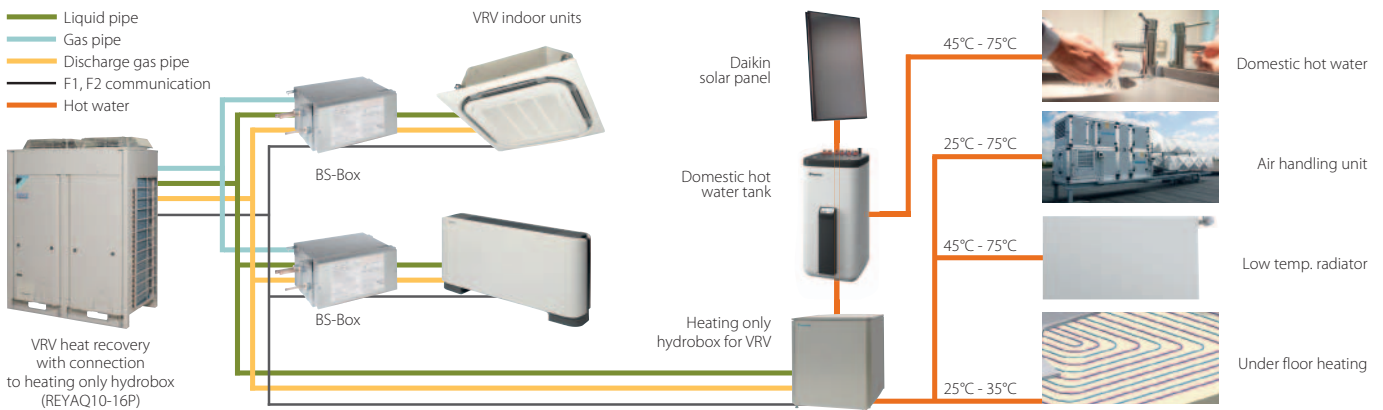
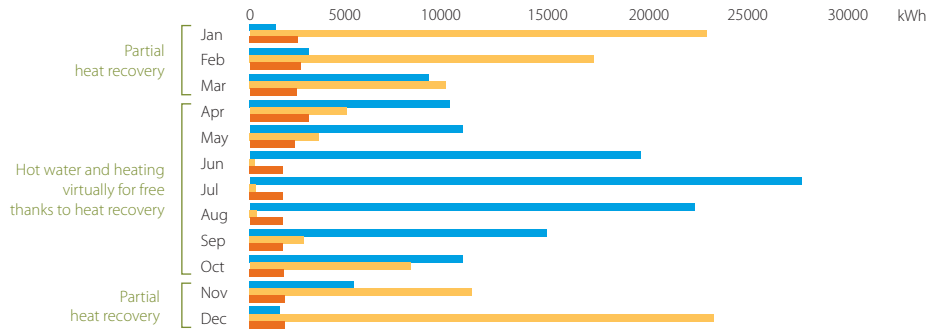


Indoor unit				HXY080A		HXY125A		
Cooling capacity	Nom.			8		12.5		
Heating capacity	Nom.			9		14		
Casing	Colour	White						
	Material	Precoated sheet metal						
Dimensions	Unit	HeightxWidthxDepth	mm				890x480x344	
Weight	Unit			kg				44
Sound pressure level	Nom.							-
Operation range	Heating	Ambient	Min.~Max.	°C				-20~24
		Water side	Min.~Max.	°C				25~45
Refrigerant	Type							R-410A
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



- > Air to water connection to VRV for applications such as bathrooms, sinks, underfloor heating, radiators and air handling units
- > Free heating 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
- > Leaving water temperature range from 25 to 80°C without electric heater
- > 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
- > Requires no gas connection or oil tank
- > Connectable to VRV III heat recovery (REYAQ-P)

Hot water production and heating: maximum savings by heat recovery



Heating only

Indoor unit				HXHD125A	
Heating capacity	Nom.			14.0	
Casing	Colour			Metallic grey	
	Material			Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth	mm		705x600x695
Weight	Unit			92	
Sound pressure level	Nom.			42 (1) / 43 (2)	
	Night quiet mode	Level 1			38 (5)
Operation range	Heating	Ambient	Min.~Max.	°C	
		Water side	Min.~Max.	°C	
	Domestic hot water	Ambient	Min.~Max.	°CDB	
		Water side	Min.~Max.	°C	
Refrigerant	Type			R-134a	
Refrigerant circuit	Gas side diameter			12.7	
	Liquid side diameter			9.52	
Water circuit	Piping connections diameter			G 1" (female)	
	Heating water system	Water volume	Min.~Max.	l	
Power supply	Phase/Frequency/Voltage			1~/50/220-240	
Current	Recommended fuses			20	

(1) Sound levels are measured at: EW 55°C, LW 65°C (2) Sound levels are measured at: EW 70°C, LW 80°C (3) Field setting



- › Stainless steel domestic hot water tank
- › 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
- › Available in 200 and 260 liters
- › Heat loss is reduced to a minimum thanks to the high quality insulation
- › At necessary intervals, the indoor unit can heat up the water to 60°C to prevent the risk of bacteria growth
- › Efficient temperature heat-up: from 10°C to 50°C in only 60 minutes

Domestic hot water tank				EKHTS200AC		EKHTS260AC	
Casing	Colour	Metallic grey					
	Material	Galvanised steel (precoated sheet metal)					
Dimensions	Unit	Height/integrated on indoor unit	Width	mm	2,010x600x695	2,285x600x695	
	Empty	kg					
Weight	Unit	Empty	kg	70			
	kg	78					
Tank	Water volume	l		200		260	
	Material	Stainless steel (EN 1.4521)					
Heat exchanger	Maximum water temperature	°C		75			
	Insulation	Heat loss	kWh/24h	1.2		1.5	
	Quantity	1					
	Tube material	Duplex steel (EN 1.4162)					
Face area	m ²		1.56				
	Internal coil volume		l				
			7.5				



EKHWP300B



EKHWP500B

- › Tank designed for connection with thermal solar collectors
- › 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)

Domestic hot water tank				EKHWP300B		EKHWP500B		
Dimensions	Unit	Height	mm	1,640		1,640		
		Width	mm	595		790		
		Depth	mm	615		790		
		kg	59					
Weight	Unit	Empty	kg	93				
	kg	93						
Tank	Water volume	l		300		500		
	Maximum water temperature	°C		85				
	Insulation	Heat loss	kWh/24h	1.3		1.4		
Heat exchanger	Domestic hot water	Tube material	Stainless steel					
		Face area	m ²	5.8		6		
		Internal coil volume	l	27.9		29		
		Operating pressure	bar	6				
		Average specific thermal output	W/K	2,790		2,900		
	Charging	Tube material	Stainless steel					
		Face area	m ²	2.7		3.8		
		Internal coil volume	l	13.2		18.5		
		Operating pressure	bar	3				
		Average specific thermal output	W/K	1,300		1,800		
Auxiliary solar heating	Tube material	Stainless steel						
	Face area	m ²	-		0.5			
	Internal coil volume	l	-		2.3			
	Operating pressure	bar	3					
	Average specific thermal output	W/K	-		280			



EKSH-P



EKS-V-P

- › Solar collectors can produce up to 70% of the energy needed for hot water production - a major cost saving
- › 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

Solar collector			EKSH26P	EKS21P	EKS26P	
Dimensions	Unit	HeightxWidthxDepth	mm	1,300x2,000x85	2,000x1,006x85	2,000x1,300x85
Weight	Unit		kg	42	35	42
Volume			l	2.1	1.3	1.7
Surface	Outer		m ²	2.6	2.01	2.6
	Aperture		m ²	2.350	1.79	2.35
	Absorber		m ²	2.360	1.8	2.36
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	200		
Thermal performance	Zero loss collector efficiency η ₀		%	-		

EKSRPS

Unpressurised Solar connection



EKSRPS3

- › Save energy and reduce CO₂ 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

Indoor unit			EKSRPS3	
Mounting	On side of tank			
Dimensions	Unit	HeightxWidthxDepth	mm	815x230x142
Thermal performance	Zero loss collector efficiency η ₀		%	-
Control	Type	Digital temperature difference controller with plain text display		
	Power consumption		W	2
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	Voltage		V	230

Powerful selection programs

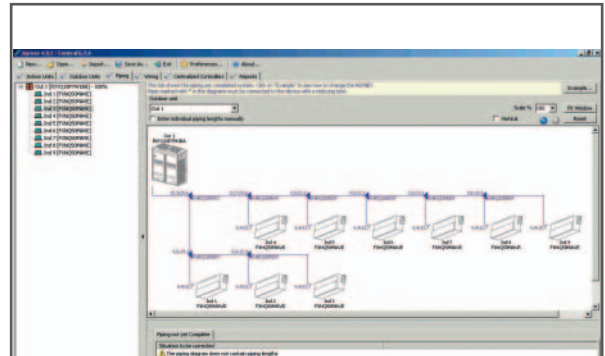
Solutions seasonal simulator

With this software tool you can simulate and the seasonal efficiency, the annual power consumption and CO₂ emission for a given climate, load profile (cooling, heating, heat recovery, covalent, bivalent...) and (combination of) system(s). With its intuitive and graphical appealing interface, a simulation can be made in a matter of minutes. The solution basket system enables you to compare the results of several system configurations. Optionally, a return on investment calculation can be made. The outcome of the simulation can be exported to a printable report. The tool is available both for Windows PC and Tablet (iPad).

Xpress, Quick Quotation tool

Xpress is a software tool that allows creating on the spot quotations for a Daikin VRV system. It provides a result in 6 steps to enable a professional budget quotation:

1. Select indoor units
2. Connect outdoor units to indoor units
3. Automatic generation of piping diagram with joints
4. Automatic generation of wiring diagram
5. Select possible centralised control systems
6. Visualise result in MS Word, MS Excel and AutoCAD

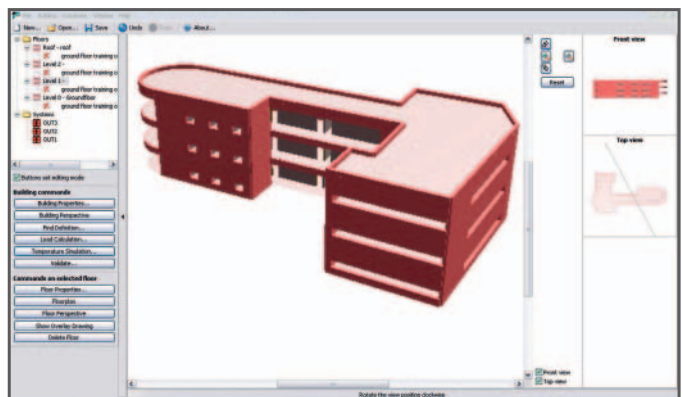
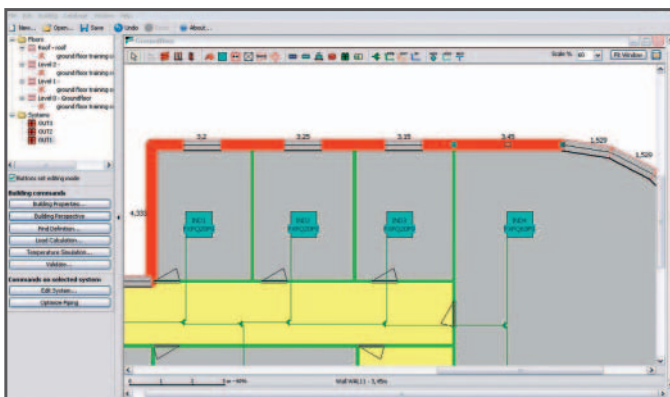


Ventilation Xpress

Selection tool for ventilation devices (VAM, VKM) The selection is based on given supply/extract airflows (including fresh up), and given ESP of the supply/extract ducting

- Determines size of electrical heaters
- Visualization of psychrometric chart
- Visualization of selected configuration
- Required field settings mentioned in the report

VRV Pro, Design tool



The VRV Pro selection program is a true VRV design tool. The program enables VRV air conditioning systems to be engineered in a precise and economical way, taking into account the realtime thermal properties of any building. By calculating annual energy consumptions, it gives the designer the possibility to make accurate selections and **get competitive quotations** for each project. Moreover, it ensures optimum operating cycles and maximum energy efficiency.

For more information, please contact your affiliate/distributor.

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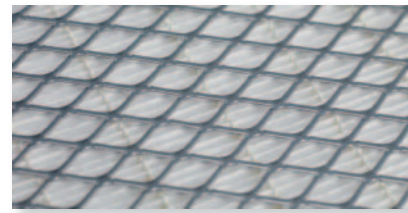
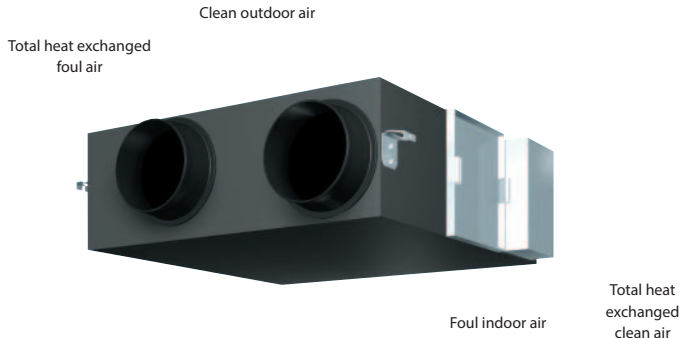


With the advent of new building regulations, greater awareness of increasing energy costs and a responsibility towards environmental issues, modern commercial spaces are insulated better than ever. Double glazing, thicker roof insulation and draught excluders of course, help considerably towards reducing heating/cooling demand and burdens on the environment. The down-side however, is that these same commercial spaces have now become, in effect, sealed boxes with little or no replenishment of the air. Daikin offers a variety of solutions for the provision of fresh air ventilation to offices, hotels, stores and other commercial outlets – each one complementary to and as flexible as VRV systems themselves.

VENTILATION & BIDDLE AIR CURTAINS

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For more information on Options & Accessories, please refer to page 356 of this catalogue.



Fine dust filter



- > Energy saving ventilation using indoor heating, cooling and moisture recovery
- > Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- > Free cooling possible when outdoor temperature is below indoor temperature (eg. during nighttime)
- > Low energy consumption thanks to DC inverter fans
- > Prevent energy losses from over-ventilation while maintaining indoor air quality with optional CO₂ sensor
- > Can be used as stand alone unit or integrated in the VRV system
- > Wide range of units: air flow rate from 150 up to 2,000 m³/h
- > High efficiency filters available in F6 ,F7, F8 grades
- > Shorter installation time thanks to easy adjustment of nominal air flow rate, so less need for dampers compared with traditional installations
- > Specially developed heat exchange element with High Efficiency Paper (HEP)
- > No drain piping needed
- > Can operate in over- and under pressure
- > Total solution for fresh air with Daikin supply of both VAM and electrical heater

Ventilation				VAM150FA	VAM250FA	VAM350FB	VAM500FB	VAM650FB	VAM800FB	VAM1000FB	VAM1500FB	VAM2000FB	
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high	kW	0.116	0.141	0.132	0.178	0.196	0.373	0.375	0.828	0.852
	Bypass mode	Nom.	Ultra high	kW	0.116	0.141	0.132	0.178	0.196	0.373	0.375	0.828	0.852
Temperature exchange efficiency - 50Hz	Ultra high/High/Low		%		74/74/79	72/72/77	75/75/80	74/74/77	74/74/76	75/75/76.5	75/75/78		
	Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high/High/Low	%	58/58/64	58/58/62	61/61/67	58/58/63	60/60/62	61/61/63	61/61/64	61/61/66	
		Heating	Ultra high/High/Low	%	64/64/69	64/64/68	65/65/70	62/62/67	63/63/66	65/65/67	66/66/68	66/66/70	
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									
Casing		Material		Galvanised steel plate									
Dimensions	Unit	HeightxWidthxDepth		mm	285x776x525		301x828x816		364x1,004x868		364x1,004x1,156	726x1,512x868	726x1,512x1,156
Weight	Unit			kg	24		33		52	55	64	131	152
Fan-Air flow rate - 50Hz	Heat exchange mode	Ultra high	m ³ /h	150	250	350	500	650	800	1,000	1,500	2,000	
	Bypass mode	Ultra high	m ³ /h	150	250	350	500	650	800	1,000	1,500	2,000	
Fan-External static pressure - 50Hz	Ultra high		Pa	69	64	98		93	137	157	137		
Sound pressure level - 50Hz	Heat exchange mode	Ultra high	dBA	27 / 28.5	28 / 29	32	33	34.5	36		39.5	40	
	Bypass mode	Ultra high	dBA	27 / 28.5	28 / 29	32	33.5	34.5	36		40.5	40	
Operation range	Min.	°CDB		-15									
	Max.	°CDB		50									
	Relative humidity	%		80% or less									
Connection duct diameter			mm	100	150	200		250	350				
Air filter	Type		Multidirectional fibrous fleeces										
Power supply	Phase/Frequency/Voltage		Hz/V										
			1~/50/60/220-240/220										
Current	Maximum fuse amps (MFA)		A	15				16					

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
 - 0-10V DC input for setpoint control
- > Capacities ranging from 1 to 2.5 kW



VH Electrical heater for VAM



VKM80-100GB(M)

- › 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
- › Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- › 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 maintaining indoor air quality with optional CO₂ 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

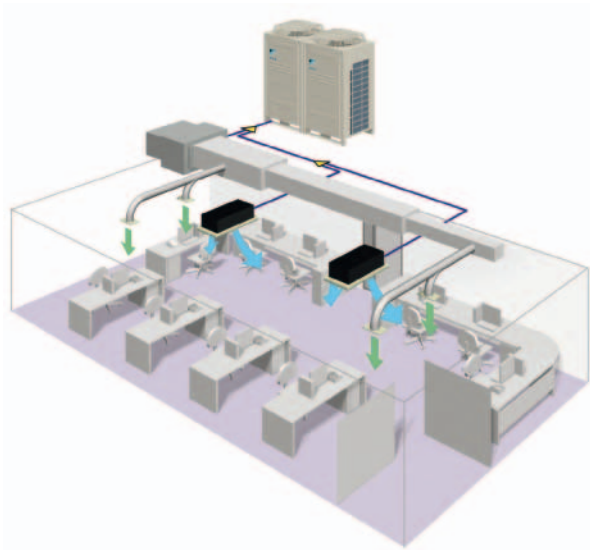


Ventilation				Heat reclaim ventilation, air processing and humidification			Heat reclaim ventilation and air processing			
				VKM50GBM	VKM80GBM	VKM100GBM	VKM50GB	VKM80GB	VKM100GB	
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high	kW	0.270	0.330	0.410	0.270	0.330	0.410
	Bypass mode	Nom.	Ultra high	kW	0.270	0.330	0.410	0.270	0.330	0.410
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			-		
Casing	Material				Galvanised steel plate					
Dimensions	Unit	HeightxWidthxDepth	mm		387x1,764x832	387x1,764x1,214		387x1,764x832	387x1,764x1,214	
Weight	Unit		kg		100	119	123	94	110	112
Fan-Air flow rate - 50Hz	Heat exchange mode	Ultra high	m ³ /h		500	750	950	500	750	950
	Bypass mode	Ultra high	m ³ /h		500	750	950	500	750	950
Fan-External static pressure - 50Hz	Ultra high		Pa		200	205	110	210		150
Sound pressure level - 50Hz	Heat exchange mode	Ultra high	dBA		38	40		39	41.5	41
	Bypass mode	Ultra high	dBA		39	41		40	41.5	41
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.	°CDB		-15				
Heating		Min.	°CDB		43					
Refrigerant	Type				R-410A					
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				-					
Air filter	Type	PT3/4 external thread								
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/220-240					
Current	Maximum fuse amps (MFA)		A		15					



FXMQ200-250MF

- > 100% fresh air intake possible
- > Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- > Operation range: -5°C to 43°C
- > Up to 225Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- > Drain pump kit available as accessory

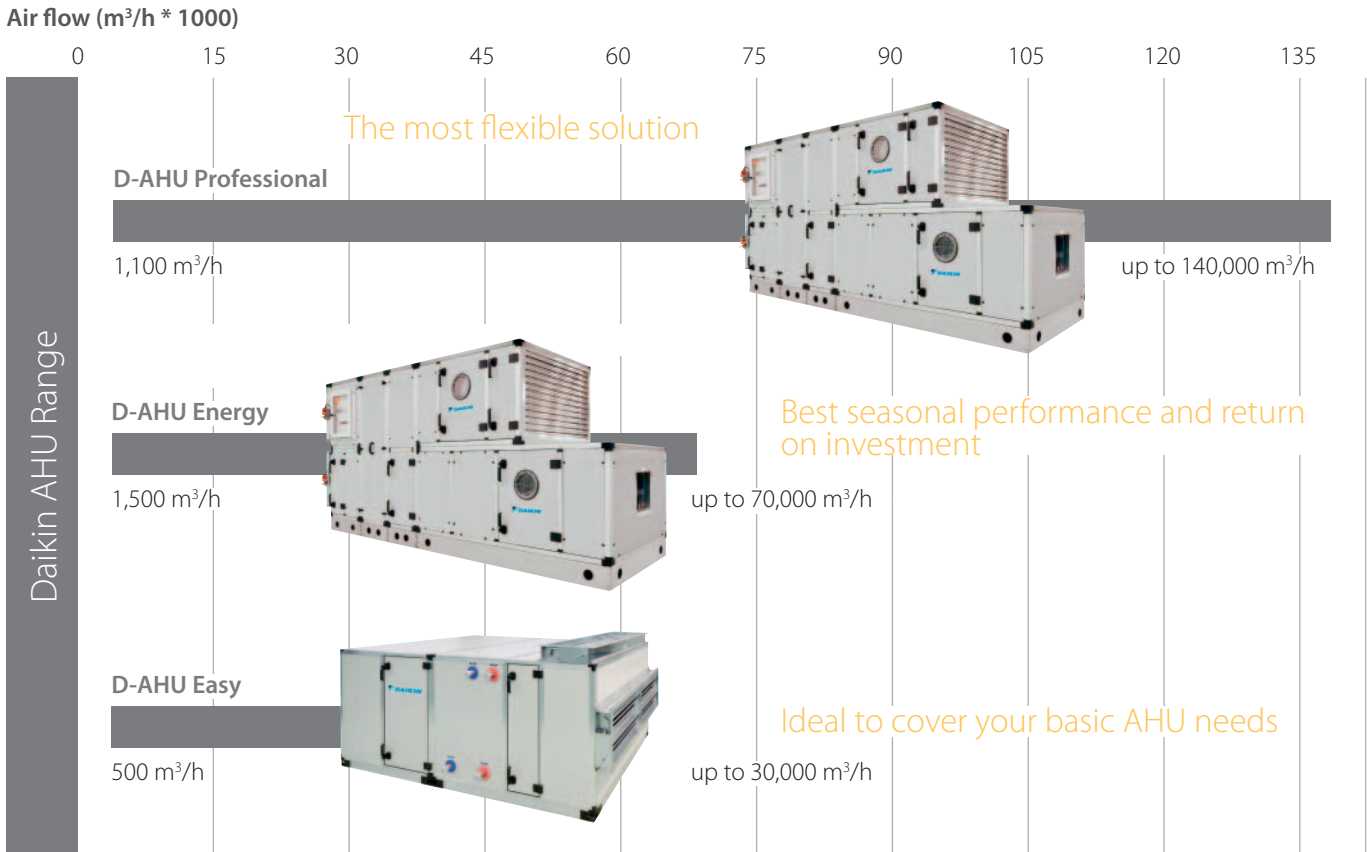


Ventilation & air processing					FXMQ125MF	FXMQ200MF	FXMQ250MF
Cooling capacity	Nom.		kW	14.0	22.4	28.0	
Heating capacity	Nom.		kW	8.9	13.9	17.4	
Power Input (50Hz)	Cooling	Nominal	kW	0.359	0.548	0.638	
	Heating	Nominal	kW	0.359	0.548	0.638	
Dimensions	Unit	HeightxWidthxDepth		470x744x1,100			
Weight	Unit			86	123		
Air Flow Rate	Cooling			18	28	35	
	Heating				-		
External Static Pressure	Standard			185	225	205	
Refrigerant	Type			R-410A			
Sound Power	Cooling	Nominal	dB(A)	-			
Sound Pressure	Cooling	Nominal (220V)	dB(A)	42	47		
Operation range	On coil temperature	Cooling	max. °CDB	43			
		Heating	min. °CDB	-5			
Piping connections	Liquid	OD	mm	9.52			
	Gas	OD	mm	15.9	19.1	22.2	
	Drain			PS1B			
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240			

Daikin Air handling units

Wide range of air flows

In situations where the Daikin commercial range of ventilation units cannot satisfy the ventilation requirement due to building constraints (large atriums, banquet halls, etc) air handling units represent the ideal solution. Daikin's wide range of air handling systems handle air flow rates from 500 m³/h up to 140,000 m³/h. The air handler unit can be adapted to deliver whatever air flow you require, via the specific dimensions of flow section available at the installation.



Daikin fresh air package - plug & play

The D-AHU Professional and Energy series provide a complete solution including unit control (EKEXV, EKEQ, DDC controller) factory mounted and configured, plug & play with our ERQ and VRV condensing units. The easiest solution as you save time and only have one point of contact!

Return on investment

The air handling unit (AHU) is critical to an effective climate control system and, although the initial investment can appear high, the savings generated by our advanced designs and operating efficiencies guarantee a rapid return on the investment made. Our AHU Energy series has been designed to deliver exceptional performance thus driving down the energy consumed and so lowering energy bills. Taken over the expected 15-year life-span of the equipment, this will result in a substantial saving, especially in a time of ever increasing energy prices.

Pre-defined sizes

27 fixed sizes are available, optimized to reach the best compromise between competitiveness and manufacturing standardisation. However, Daikin's section by section design means that units can be sized by 1cm increments and assembled on site, without welding, to suit the space constraints of the installation.

High efficiency components

All Daikin air handlers have been designed for optimum energy efficiency. Polyurethane or Mineral wool panels guarantee excellent thermal insulation performance. Filters are provided with a large choice of efficiency filtration class.

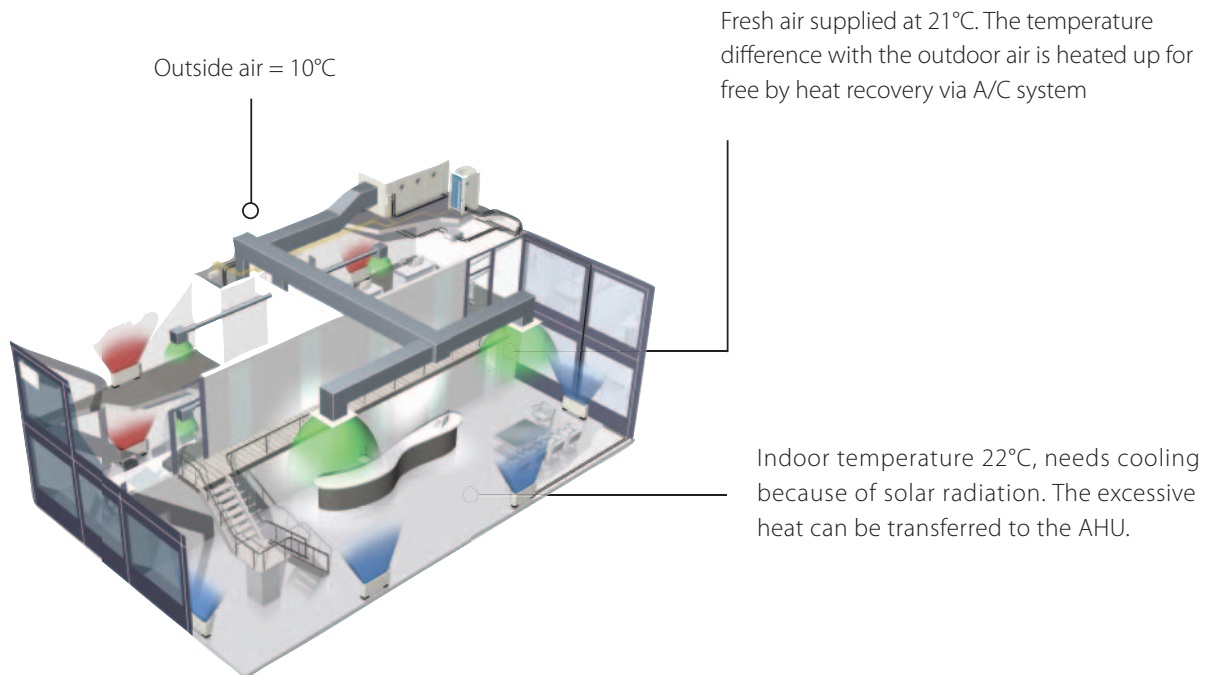
Why use ERQ and VRV condensing units for connection to air handling units?

High Efficiency

Daikin heat pumps are renowned for their high energy efficiency with COPs up to 4.56 in heating¹. The VRV range offers both heat pump and heat recovery units with part load efficiencies as high as 9.02. Integrating the AHU with a heat recovery system is highly 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. In the absence of an AHU this 'free heating' the incoming fresh air would not be possible.

¹ ERQ100AV1 heat pump

² REYQ8P8 50% cooling - 50% heating load. Conditions: outdoor temperature 11°CDB, indoor temperature 18°CWB, 22°CDB



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. Daikin ERQ and VRV units respond rapidly to fluctuations in the supply air temperature, resulting in a steady indoor temperature, together with the dehumidification this results 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.

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 the total system cost.

Flexible control possibilities for air handling units

In order to maximize installation flexibility, 3 types of control systems are offered

Control x: Control of air temperature

(discharge temperature, suction temperature, room temperature) via external device (DDC controller)

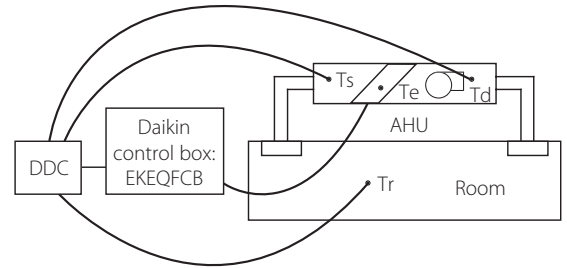
Control y: Control of evaporating temperature via Daikin control (no DDC controller needed)

Control z: Control of air temperature (suction temperature, room temperature) via Daikin control (no DDC controller needed)

Possibility X (Td/Tr control):

Air temperature control via DDC controller

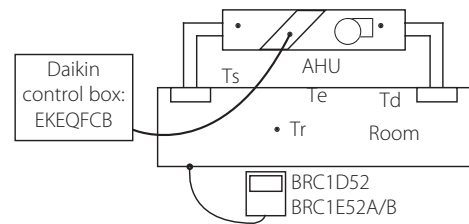
Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a reference voltage (0-10V) 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.



Possibility Y (Te/Tc control):

By fixed evaporating temperature

A fixed target evaporating temperature of between 3°C and 8°C can be set by the customer. In this case, room temperature is only indirectly controlled. The cooling load is determined from the actual evaporating temperature (i.e. load to the heat exchanger). A Daikin infrared remote control (BRC1D52 or BRC1E52A/B - optional) can be connected for error indication.

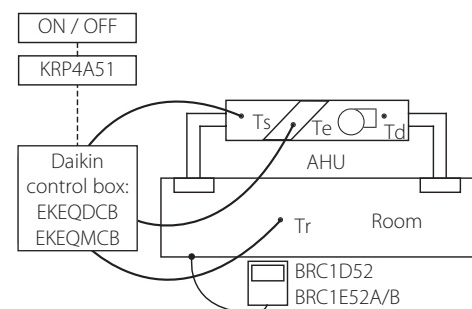


Possibility Z (Ts/Tr control):

Using Daikin infrared remote control (BRC1D52 or BRC1E52A/B - optional)

Set point can be fixed via standard Daikin infrared remote control. Remote ON/OFF can be achieved by an optional adapter KRP4A51.

No external DDC controller should be connected. The cooling load is determined from the air suction temperature and set point on the Daikin controller.



- Ts = Air suction temperature
- Td = Air discharge temperature
- Tr = Room temperature
- Te = Evaporating temperature
- AHU = Air Handling Unit
- DDC = Digital Display Controller

	OPTION KIT	FEATURES
Possibility x	EKEQFCB	DDC controller is required Temperature control using air suction or air discharge temperature
Possibility y		Using fixed evaporating temperature, no set point can be set using remote control
Possibility z	EKEQDCB EKFQMCB*	Using Daikin infrared remote control BRC1D52 or BRC1E52A/B Temperature control using air suction temperature

* EKEQMCB (for 'multi' application)

A R-410A inverter condensing units range for multi application with air handling units

- > Inverter controlled units
- > Large capacity range (from 8 to 54HP)
- > Heat recovery, heat pump
- > R-410A
- > Control of room temperature via Daikin control
- > Large range of expansion valve kits available
- > BRC1E52A/B is used to set the set point temperature (connected to the EKEQMCB).
- > Connectable to all VRV heat recovery and heat pump systems

Different control possibilities

		VRV IV heat pump				VRV III heat recovery	VRV III-S	VRV III-C	VRV-WIII
		R*YQ8-10T	R*YQ12-30T	R*YQ32-50T	R*YQ52-54T	REYHQ-P8/P9 REYHQ-P REYAQ-P	RXYSQ-PAV RXYSQ-PAY	RTSYQ-PA	RWEYQ-P RWEYQ-PR
Control possibilities	X	P	p ¹	p ²	-	-	-	-	-
	Y	P	p ¹	p ²	-	-	-	-	-
	Z	M	M	M	M	M	M	M	M

P = pair

M = multi

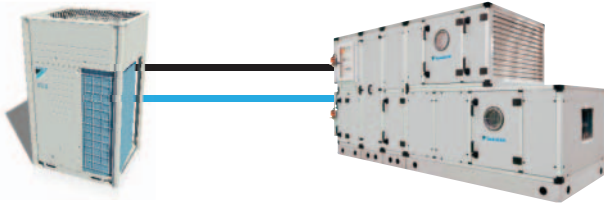
1 By use of split coil (interlaced)

2 Separate coil per outdoor unit

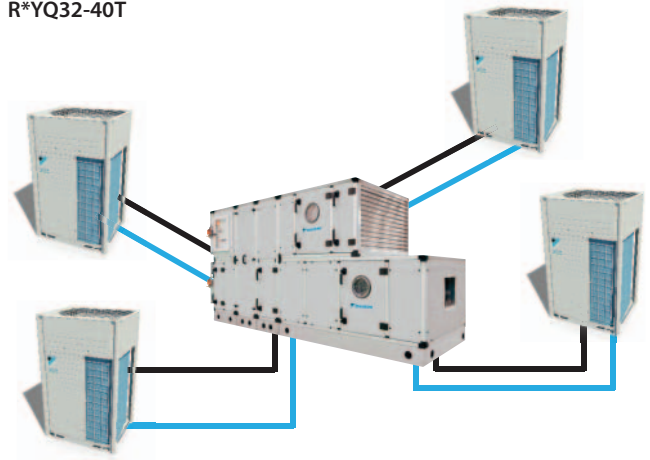


X,Y control for VRV IV

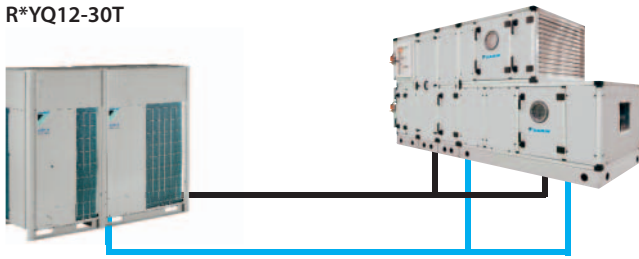
R*YQ8-10T



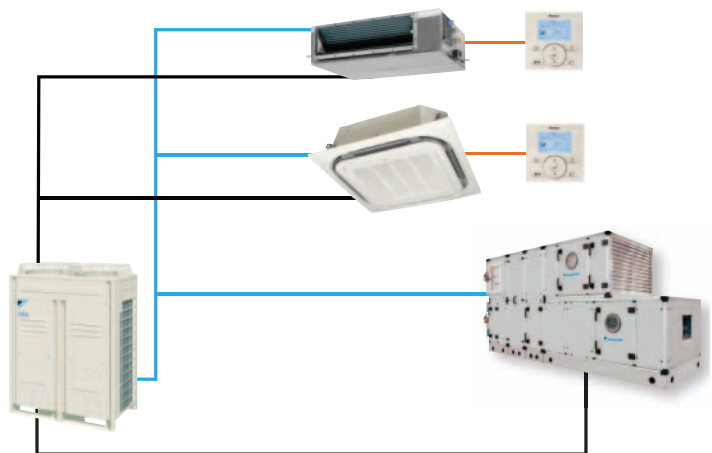
R*YQ32-40T



R*YQ12-30T



Z control for all VRV outdoor units

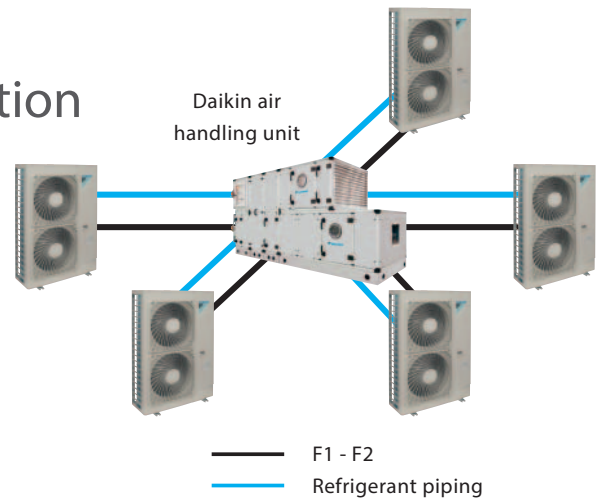


- Refrigerant piping
- F1-F2
- other communication



A range of R-410A inverter condensing units for pair application with air handling units

- > Inverter controlled units
- > Large capacity range (from 100 to 250 class)
- > Heat pump
- > R-410A
- > Wide range of expansion valve kits available
- > Up to 5 ERQ units can be connected to an interlaced coil in one 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				ERQ100AV1	ERQ125AV1	ERQ140AV1	
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			
Fan-Air flow rate	Cooling	Nom.	m ³ /min	106			
	Heating	Nom.	m ³ /min	102	105		
Sound power level	Cooling	Nom.	dB(A)	66	67	69	
Sound pressure level	Cooling	Nom.	dB(A)	50	51	53	
	Heating	Nom.	dB(A)	52	53	55	
Operation range	Cooling	Min./Max.	°CDB	-5/46			
	Heating	Min./Max.	°CWB	-20/15.5			
	On coil temperature	Heating	Min.	°CDB	10		
		Cooling	Max.	°CDB	35		
Refrigerant	Type		R-410A				
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				ERQ125AW1	ERQ200AW1	ERQ250AW1	
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	
Fan-Air flow rate	Cooling	Nom.	m ³ /min	95	171	185	
	Heating	Nom.	m ³ /min	95	171	185	
Sound power level	Nom.		dB(A)	72	78		
Sound pressure level	Nom.		dB(A)	54	57	58	
Operation range	Cooling	Min./Max.	°CDB	-5/43			
	Heating	Min./Max.	°CWB	-20/15			
	On coil temperature	Heating	Min.	°CDB	10		
		Cooling	Max.	°CDB	35		
Refrigerant	Type		R-410A				
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		

Overview of expansion valves and control boxes

Daikin also offers a range of expansion valve kits and control boxes to connect ERQ and VRV condensing units to third party air handling units

VRV combination table

EKEXV CLASS	ALLOWED HEAT EXCHANGER CAPACITY (KW)					
	COOLING (EVAPORATION TEMPERATURE 6°C)			HEATING (CONDENSING TEMPERATURE 46°C)		
	MINIMUM	STANDARD	MAXIMUM	MINIMUM	STANDARD	MAXIMUM
50	5.0	5.6	6.2	5.6	6.3	7.0
63	6.3	7.1	7.8	7.1	8.0	8.8
80	7.9	9.0	9.9	8.9	10.0	11.1
100	10.0	11.2	12.3	11.2	12.5	13.8
125	12.4	14.0	15.4	13.9	16.0	17.3
140	15.5	16.0	17.6	17.4	18.0	19.8
200	17.7	22.4	24.6	19.9	25.0	27.7
250	24.7	28.0	30.8	27.8	31.5	34.7

ERQ combination table

OUTDOOR UNIT		EXPANSION VALVE KIT						
		CLASS 63	CLASS 80	CLASS 100	CLASS 125	CLASS 140	CLASS 200	CLASS 250
		EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250
1~	ERQ100AV1	P	P	P	P	-	-	-
	ERQ125AV1	P	P	P	P	P	-	-
	ERQ140AV1	-	P	P	P	P	-	-
3~	ERQ125AW1	P	P	P	P	P	-	-
	ERQ200AW1	-	-	P	P	P	P	P
	ERQ250AW1	-	-	-	P	P	P	P

P: Pair. Combination depending on air handling units coils volume.

EKEXV - Expansion valve kit for air handling applications



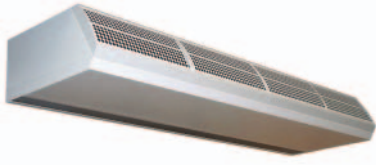
VENTILATION				EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250
Dimensions	Unit	HeightxWidthxDepth		mm							
Weight	Unit			kg							
Sound pressure level	Nom.			dBA							
Operation range	On coil temperature	Heating	Min.	°CDB							
		Cooling	Max.	°CDB							
Refrigerant	Type			R-410A							
Piping connections	Liquid	OD	mm	6.35		9.52					
	Gas	OD	mm	6.35		9.52					

(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				EKEQFCB		EKEQDCB		EKEQMCB	
Application				Pair		ERQ		Multi	
Outdoor unit				ERQ		VRV			
Dimensions	Unit	HeightxWidthxDepth		mm					
Weight	Unit			3.9		132x400x200		3.6	
Power supply	Phase/Frequency/Voltage			Hz/V					
						1~/50/230			



CYQM150DK80FSN



CYQM150DK80CSN



CYQM150DK80RSN

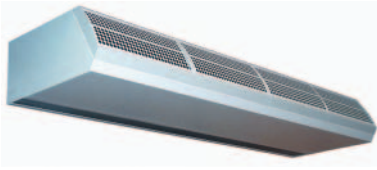
- > Connectable to ERQ heat pump
- > ERQ is among the first DX systems suitable for connection to air curtains
- > Free-hanging model (F): easy wall mounted installation
- > Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible
- > Recessed model (R): neatly concealed in the ceiling
- > A payback period of less than 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
- > 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	R-410A								
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 (BRC1E52A/B or 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	R-410A					
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 (BRC1E52A/B or 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



CYVM150DK80FSC

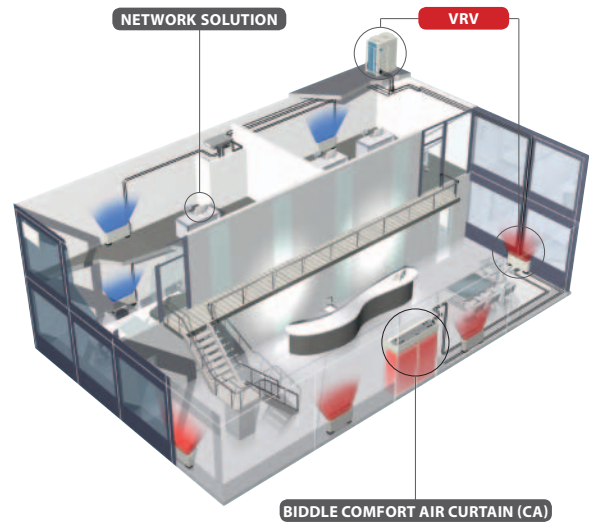


CYVM150DK80CSN



CYVM150DK80RSN

- > 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 than 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
- > 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				
				CYVS100DK80*BN*/SN	CYVS150DK80*BN*/SN	CYVS200DK100*BN*/SN	CYVS250DK140*BN*/SN	CYVM100DK80*BN*/SN	CYVM150DK80*BN*/SN	CYVM200DK100*BN*/SN	CYVM250DK140*BN*/SN	
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	23 (1) / 215 (2) / 20 (3)	23 (1) / 215 (2) / 20 (3)	23 (1) / 215 (2) / 20 (3)	23 (1) / 215 (2) / 20 (3)	25 (1) / 24 (2) / 23 (3)	25 (1) / 24 (2) / 23 (3)	25 (1) / 24 (2) / 23 (3)	25 (1) / 24 (2) / 23 (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	R-410A										
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 (BRC1E52A/B or BRC1D52)											
Power supply	Voltage		V	230								

				Large			
				CYVL100DK125*BN*/SN	CYVL150DK200*BN*/SN	CYVL200DK250*BN*/SN	CYVL250DK250*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			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	R-410A					
Piping connections	Liquid/OD/Gas/OD		mm	9.52/16.0		9.52/19.0	
Required accessories (should be ordered separately)	Daikin wired remote control (BRC1E52A/B or BRC1D52)						
Power supply	Voltage		V	230			

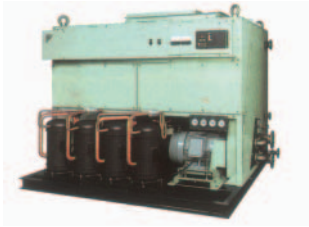
(1) Favorable conditions: covered shopping mall or revolving door entrance (2) Normal conditions: little direct wind, no opposite open doors, building with ground floor only (3) Unfavorable conditions: location at a corner or square, multiple floors and/or open stairway



MARINE TYPES

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 Hamburg Marine Office is your competent partner.

USDP*GC / USDN*HA 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~HR1 / USP~H

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

USF*J(A)

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

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

Daikin Marine Type Small Size Condensing Unit



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




























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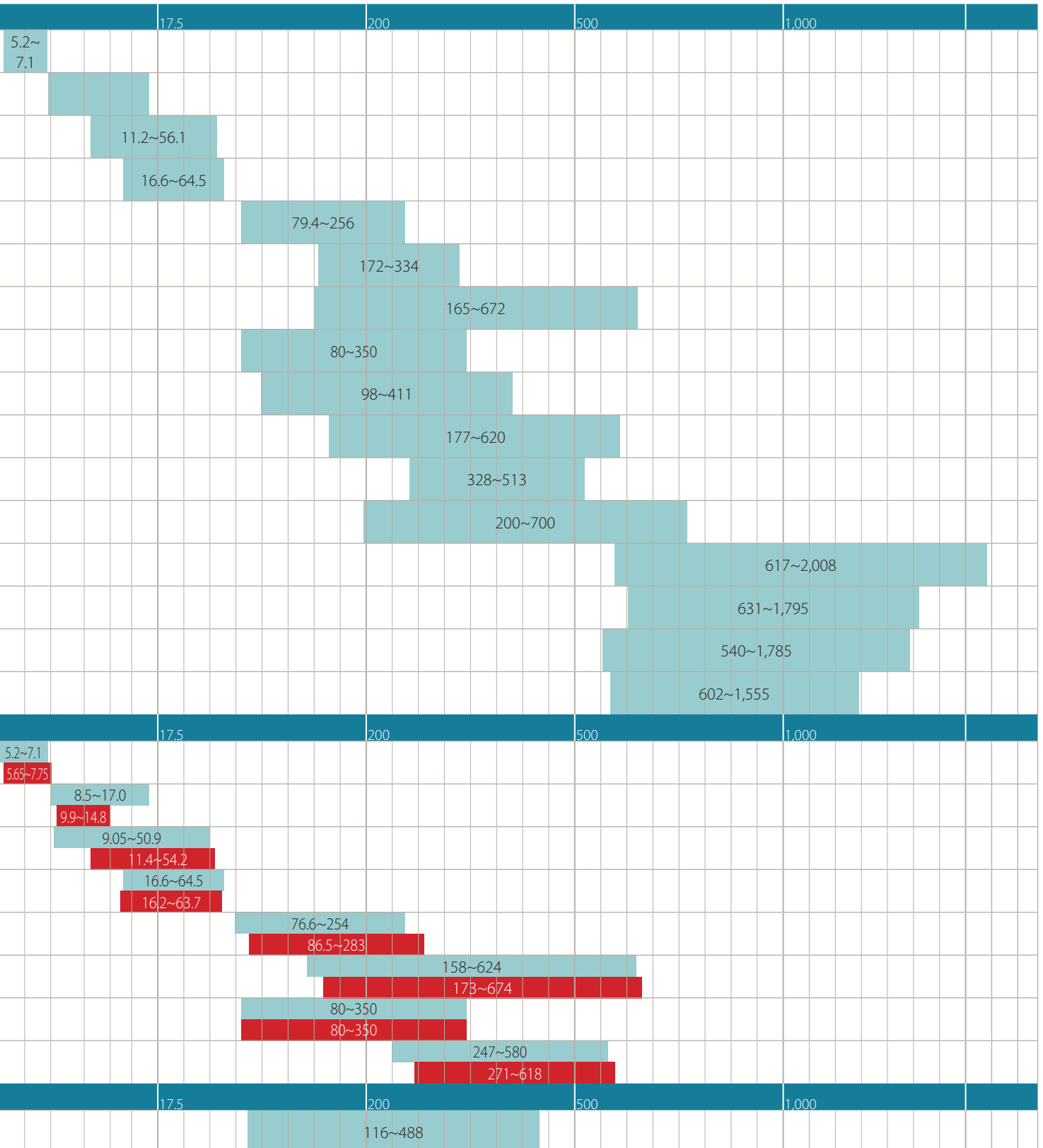
For more information on Options & Accessories, please refer to page 356 of this catalogue.

Products overview - air cooled units















	Refrigerant	Inverter	Free cooling	Compressor			Efficiency version				Sound version						
				Swing	Scroll	Screw	Standard	High	Premium	High ambient	Standard	Low	Reduced	Extra low			
Cooling only															0		
EWAQ~ADVP		R-410A	✓		✓			✓					✓				
EWAQ~ACV3/ACW1		R-410A	✓			✓		✓					✓				
EUWA*~KBZW1		R-407C				✓		✓					✓				
EWAQ~BA*		R-410A	✓			✓		✓					✓				
EWAQ~DAYN		R-410A				✓		✓					✓				
EWAQ~E-		R-410A				✓			✓				✓	✓	✓		
EWAQ~F-		R-410A				✓		✓	✓				✓	✓	✓		
EWAQ~GZ NEW		R-410A	✓			✓			✓				✓		✓		
EWAD~E-		R-134a					✓	✓					✓	✓			
EWAD~D-		R-134a					✓	✓	✓		✓		✓	✓	✓	✓	
EWAD~BZ		R-134a	✓				✓	✓	✓				✓	✓	✓		
EWAD~TZ NEW *		R-134a	✓				✓	✓	✓				✓		✓		
EWAD~C-		R-134a					✓	✓	✓	✓			✓	✓	✓		
EWAD~CZ		R-134a	✓				✓		✓				✓	✓	✓		
EWAD~DZ NEW *		R-134a	✓				✓		✓				✓	✓		✓	
EWAD~CF		R-134a		✓			✓		✓				✓	✓	✓		
Heat pump															0		
EWYQ~ADVP		R-410A	✓		✓			✓					✓				
EWYQ~ACV3/ACW1		R-410A	✓			✓		✓					✓				
EUWY*~KBZW1		R-407C				✓		✓					✓				
EWYQ~BA*		R-410A	✓			✓		✓					✓				
EWYQ~DAYN		R-410A				✓		✓					✓				
EWYQ~F NEW		R-410A				✓			✓				✓	✓	✓		
EWYQ~GZ NEW		R-410A	✓			✓			✓				✓		✓		
EWYD~BZ		R-134a	✓				✓	✓					✓	✓			
Condensing unit															0		
ERAD~E-		R-134a					✓	✓					✓	✓			

* : preliminary

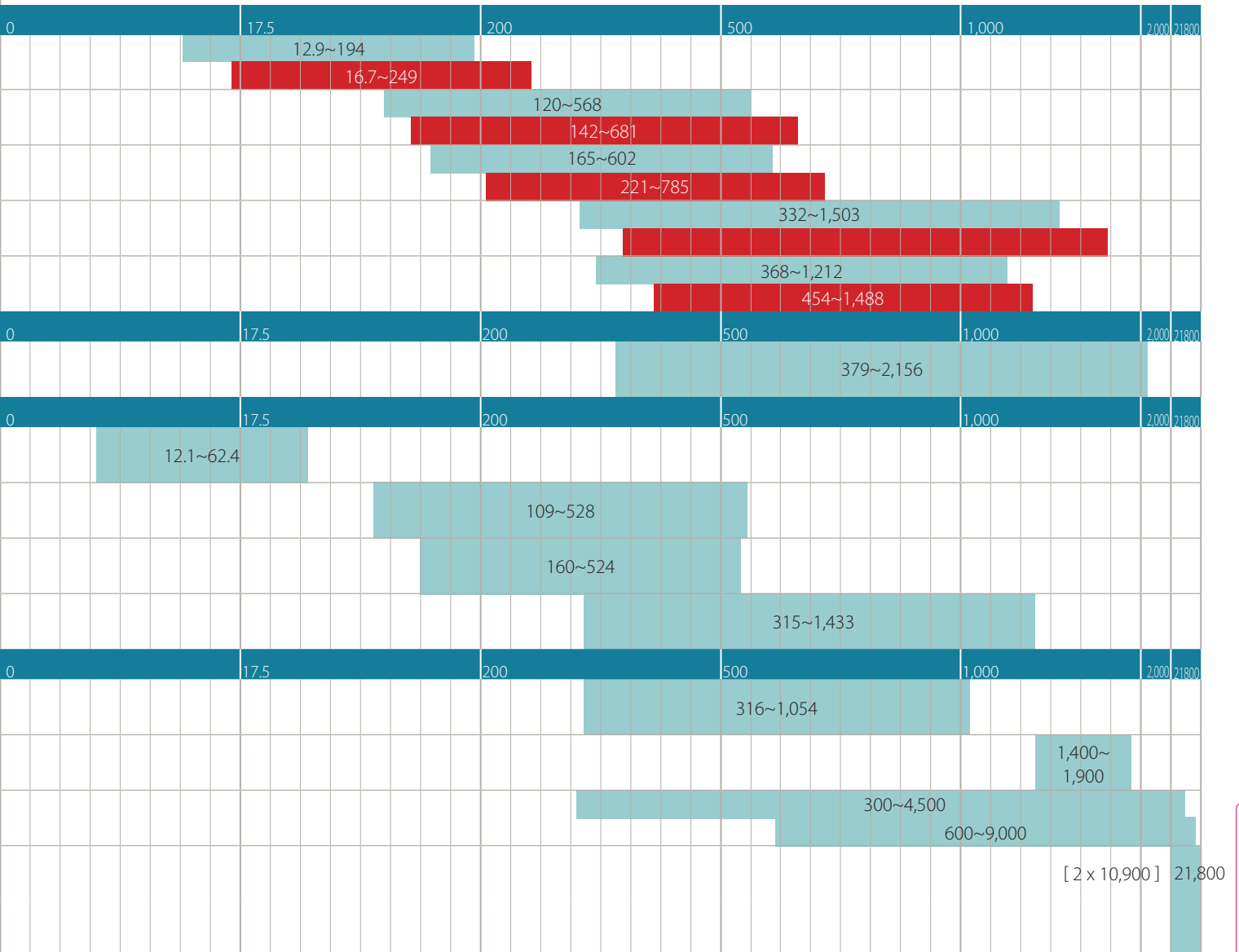
Capacity classes (kW)



Products overview - water cooled and condenserless units

	Refrigerant	Inverter	Compressor			Efficiency version		Sound version
			Scroll	Screw	Centrifugal	Standard	High	Standard
Water cooled chillers (Cooling only & Heating only)								
EWWP~KBW1N	 R-407C		✓			✓		✓
EWWD~J-	 R-134a			✓		✓		✓
EWWD~G-	 R-134a			✓		✓	✓	✓
EWWD~I-	 R-134a			✓		✓	✓	✓
EWWD~H-	 R-134a			✓			✓	✓
Water cooled chillers (Cooling only)								
EWVQ~B-	 R-410A			✓		✓	✓	✓
Condenserless chillers								
EWLP~KBW1N	 R-407C		✓			✓		✓
EWLD~J-	 R-134a			✓		✓		✓
EWLD~G-	 R-134a			✓		✓		✓
EWLD~I-	 R-134a			✓		✓		✓
Water cooled centrifugal chillers								
EWWD~FZ	 R-134a	✓			✓		✓	✓
DWME	 R-134a	✓			✓		✓	✓
DWSC DWDC	 R-134a	optional			✓		✓	✓
6,000 RT CENTRIFUGAL	 R-134a	NEW			✓		✓	✓

Capacity classes (kW)





EWAQ-ADVP/ACV3/ACW1



Digital controller



- > **High efficiency with leader-of-class ESEER**
- > Low operating sound level
- > Integrated hydronics
- > Easy 'plug and play' installation
- > Wide operating range
- > Main switch accessible without removing panels (009-013)

Cooling only

EWAQ-ADVP/ACV3/ACW1				EWAQ005ADVP	EWAQ006ADVP	EWAQ007ADVP	EWAQ009ACV3	EWAQ010ACV3	EWAQ011ACV3	EWAQ009ACW1	EWAQ011ACW1	EWAQ013ACW1	
Cooling capacity	Nom.		kW	5.2 (2)	6.0 (2)	7.1 (2)	12.2 (1) / 8.6 (2)	13.6 (1) / 9.6 (2)	15.7 (1) / 11.1 (2)	12.9 (1) / 9.1 (2)	15.7 (1) / 11.1 (2)	17.0 (1) / 13.3 (2)	
Power input	Cooling	Nom.	kW	1.89 (2)	2.35 (2)	2.95 (2)	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			Inverter controlled									
EER				2.75 (2)	2.55 (2)	2.41 (2)	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				-									
Dimensions	Unit	HeightxWidthxDepth	mm	805x1,190x360									
Weight	Unit			100				180					
	Operation weight			104				-					
Water heat exchanger	Type			Brazed plate									
	Water volume			-									
	Nominal water flow	Cooling	l/min	14.9	17.2	20.4	24.7 (2)	27.6 (2)	31.9 (2)	26.1 (2)	31.9 (2)	38.2 (2)	
Air heat exchanger	Type			Tube type				Hi-XSS					
Pump	Nominal ESP unit	Cooling	kPa	49.4	45.1	38.3	58.0	54.6	49.1	56.4	49.1	40.9	
Hydraulic components	Expansion vessel	Volume	l	6									
Compressor	Type			Hermetically sealed swing compressor				Hermetically sealed scroll compressor					
	Quantity			1				1					
Fan	Type			Propeller fan									
	Quantity			1				2					
	Air flow rate	Cooling	Nom.	m ³ /min	-				96	100	97	-	
Fan motor	Speed	Cooling	Nom.	rpm	-				780				
		Steps			-				8				
Sound power level	Cooling	Nom.	dBA	62		63	64 (2)			66 (2)			
Sound pressure level	Cooling	Nom.	dBA	48		50	51 (2)			52 (2)			
	Night quiet mode	Cooling	dBA	-				45					
Operation range	Water side	Cooling	Min.-Max. °CDB	5~20				5~22					
	Air side	Cooling	Min.-Max. °CDB	10~43				10~46					
Refrigerant	Type			R-410A									
	Charge			1.7				2.95					
	Control			Inverter				Electronic expansion valve					
	Circuits	Quantity							1				
Piping connections	Water heat exchanger inlet / outlet			1" MBSP				G 5/4" (female)					
	Water heat exchanger drain			5/16 SAE flare				5/4"					
Power supply	Phase/Frequency/Voltage							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)



EUWA(N-P-B)-KBZW1



μC²SE



- > Daikin scroll compressor
- > Reduced installation time thanks to integrated pump and/or buffer tank
- > Possibility for a 200l buffer tank
- > Low operating sound level
- > Easy maintenance
- > Main switch
- > Water flow switch
- > 3 different design options available:
 - EUWAN chiller without integrated hydraulic module;
 - EUWAP chiller with integrated hydraulic module (pump, expansion vessel, hydraulic components);
 - EUWAB chiller with integrated hydraulic module (buffer tank, pump, expansion vessel, hydraulic components)

Cooling only

EUWA-KBZW1				N5	P5	B5	N8	P8	B8	N10	P10	B10	N12	P12	B12	N16	P16	B16	N20	P20	B20	N24	P24	B24				
Cooling capacity	Nom.			kW			11.2	11.7	17.7	18.2	22.3	22.9	26.2	26.8	34.4	35.4	46.4	47.5	55.0	56.1								
	Cooling	Nom.		kW			4.56	4.59	7.44	7.39	8.87	8.88	11.7		14.90	15.1	18.1	18.2	24.1	24.2								
Capacity steps				%			0-100										0-50-100											
EER							2.46	2.55	2.38	2.46	2.51	2.58	2.24	2.29	2.31	2.34	2.56	2.61	2.28	2.32								
Dimensions	Unit	HeightxWidthxDepth		mm			1,230x1,290x734						1,450x1,290x734			1,321x2,580x734						1,541x2,580x734						
Weight	Unit			kg			150	168	180	215	229	241	245	259	271	248	262	274	430	448	460	490	508	520	496	514	526	
	Operation weight				kg			152	171	239	218	232	300	248	262	330	251	265	335	436	457	525	496	518	545	503	524	592
Water heat exchanger	Type						Brazen plate																					
	Water volume				l			1.14			1.615			1.9			2.375			2.964			3.9			4.524		
	Nominal water flow		Cooling		l/min			32			51			64			76			99			134			158		
	Nominal water pressure drop		Cooling		Heat exchanger		kPa			24			38			43			37			22						
Air heat exchanger	Type						Cross fin coil/Hi-X tubes and PE coated waffle louvre fins																					
Hydraulic components	Expansion vessel		Volume		l			-	12	-	12	-	12	-	12	-	12	-	12	-	12	-	12	-	12			
Pump	Nominal ESP unit		Cooling		kPa			-	209	-	128	-	138	-	105	-	240	-	195	-	158	-	158	-	158			
Compressor	Type						Hermetically sealed scroll compressor																					
	Quantity						1												2									
Fan	Type						Axial																					
	Quantity						2												4									
Fan group	Air flow rate		Cooling		Nom.		m³/min			160 (per 2 fans)						170 (per 2 fans)												
Sound power level	Cooling		Nom.		dB(A)			67			76			78			79			81								
Operation range	Water side		Cooling		Min.~Max.		°CDB									-10~25												
	Air side		Cooling		Min.~Max.		°CDB									-15~43												
Refrigerant	Type						R-407C																					
	Control						Thermostatic expansion valve																					
	Circuits		Quantity					1												2								
Refrigerant circuit	Charge				kg			3.9			4.6			5.9			6.0			4.6			5.9			6.0		
Water circuit	Piping connections diameter			inch			G 1"1/4 (male)																					
	Piping			inch			1-1/4"												2"									
Power supply	Phase/Frequency/Voltage			Hz/V			3N~/50/400																					



EWAQ-BAWN/BAWP



BRC21A52



- > High efficiency with leader-of-class ESEER
- > Minimal starting currents and short payback times
- > No buffer tank required for standard applications
- > Daikin scroll compressor
- > Large operation range (ambient temperature up to 43°C)
- > EWAQ-BAWN: naked version
- > EWAQ-BAWP: version with pump



Cooling only

EWAQ-BAWN/BAWP				016		021		025		032		040		050		064					
Cooling capacity	Nom.			kW		17.4 (1)	16.6 (2)	21.7 (1)	20.7 (2)	25.8 (1)	24.7 (2)	32.3 (1)	30.9 (2)	43.4 (1)	41.5 (2)	51.8 (1)	49.7 (2)	64.5 (1)	62.3 (2)		
	Power input	Cooling			kW		5.60 (1)	5.80 (2)	7.25 (1)	7.59 (2)	9.29 (1)	9.74 (2)	13.0 (1)	13.5 (2)	14.7 (1)	15.4 (2)	18.8 (1)	19.7 (2)	26.4 (1)	27.4 (2)	
Capacity control		Method			Inverter controlled																
	Minimum capacity			%		25															
EER						3.11 (1)	2.86 (2)	2.99 (1)	2.73 (2)	2.78 (1)	2.54 (2)	2.48 (1)	2.29 (2)	2.95 (1)	2.69 (2)	2.76 (1)	2.52 (2)	2.44 (1)	2.27 (2)		
ESEER						4.33 (1)	4.21 (2)	4.08 (1)	4.18 (2)	3.85 (1)	4.04 (2)	3.39 (1)	3.62 (2)	4.19 (1)	4.24 (2)	3.96 (1)	4.12 (2)	3.64 (1)	3.78 (2)		
Dimensions	Unit	HeightxWidthxDepth			mm		1,684x1,371x774				1,684x1,684x774				1,684x2,358x780				1,684x2,980x780		
	Weight	Unit			kg		264		317		397		571		730						
Operation weight			kg		267		320		401		577		738								
Water heat exchanger	Type			Braze plate																	
	Water volume			l		1.9				2.9				3.8				5.7			
	Nominal water flow	Cooling			l/min		50		62		74		93		124		148		185		
		Nominal water pressure drop			Cooling		Total		kPa		20		30		42		30		42		30
Air heat exchanger	Type			Hi-XSS																	
Compressor	Type			Hermetically sealed scroll compressor																	
	Quantity					1		2		3		4		6							
Fan	Type			Axial																	
	Quantity					1		185		233		370		466							
Sound power level	Cooling			Nom.		dB(A)		78		80		81		83							
	Operation range	Water side			Cooling		Min.-Max.		°CDB		5~20		5~43								
Air side			Cooling		Min.-Max.		°CDB		5~20		5~43										
Refrigerant	Type			R-410A																	
	Charge			kg		7.6		9.6		15.2		19.2									
	Control			Electronic expansion valve																	
	Circuits			Quantity		1															
Water circuit	Piping connections diameter			inch		1-1/4" (female)				2" (female)											
	Piping			inch		1-1/4"				1-1/2"											
Power supply	Phase/Frequency/Voltage			Hz/V		3N~/50/400															

(1) EWAQ-BAWN: Naked version (2) EWAQ-BAWP: Version with pump

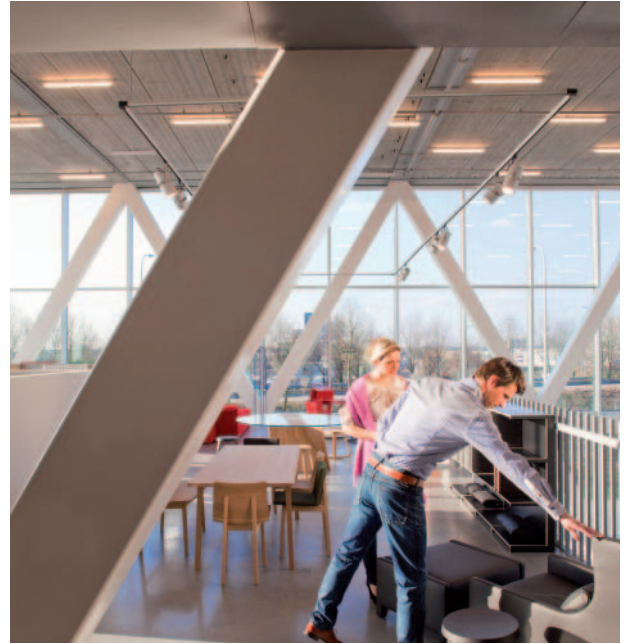


EWAQ-DAYN



PCASO

- > Optimised for use with R-410A
- > Reliable and efficient scroll compressors with high EER values
- > Anti-corrosion treated aluminium coils
- > Low operating sound level
- > Easy 'plug and play' installation
- > Unit dimensions allow easy transportation
- > Fans protected against abnormal operation
- > Safety valves in each circuit
- > Electronic circuit breakers
- > Electronic expansion valve
- > True dual plate brazed plate heat exchanger
- > Sight glass
- > All hydronics can be accessed easily from 3 sides (no surrounding cabinet)
- > Separate switchbox for easy access
- > Compressors and controls at unit side
- > Increased reliability via 2 independent refrigerant circuits
- > Double circuit heat exchanger (from 100kW onwards)
- > Non hermetic filter/dryer
- > Daikin Pcaso controller with user friendly interface



Cooling only

EWAQ-DAYN				080	100	130	150	180	210	240	260						
Cooling capacity	Nom.	kW		79.4 (1) / 81.0 (2)	104 (1) / 106 (2)	130 (1) / 133 (2)	151 (1) / 154 (2)	181 (1) / 184 (2)	208 (1) / 211 (2)	234 (1) / 238 (2)	252 (1) / 256 (2)						
	Power input	Cooling	Nom.	kW		27.0 (1) / 27.6 (2)	36.9 (1) / 37.2 (2)	47.4 (1) / 48.1 (2)	57.2 (1) / 57.8 (2)	65.6 (1) / 66.5 (2)	75.9 (1) / 76.6 (2)	84.4 (1) / 84.5 (2)	95.8 (1) / 95.8 (2)				
Capacity steps				%		0-50-100		0-25-50-75-100		21/29-43/50/57-71/79-100		0-25-50-75-100		22/28-40/50/56-72/78-100		0-25-50-75-100	
EER						2.94 (1) / 2.93 (2)	2.82 (1) / 2.85 (2)	2.74 (1) / 2.77 (2)	2.64 (1) / 2.66 (2)	2.76 (1) / 2.77 (2)	2.74 (1) / 2.75 (2)	2.77 (1) / 2.82 (2)	2.63 (1) / 2.67 (2)				
ESEER						3.88 (1) / 3.82 (2)	3.79 (1) / 3.83 (2)	4.03 (1) / 3.97 (2)	3.95 (1) / 3.96 (2)	4.04 (1) / 4.02 (2)	4.00 (1) / 4.02 (2)	3.89 (1) / 4.00 (2)	3.73 (1) / 3.84 (2)				
Dimensions	Unit	HeightxWidthxDepth	mm		2,311x2,000x2,566		2,311x2,000x2,631		2,311x2,000x3,081		2,311x2,000x4,850						
Weight	Unit	kg		1,350	1,400	1,500	1,550	1,800	1,850	3,150	3,250						
	Operation weight	kg		1,365	1,415	1,517	1,569	1,825	1,877	3,189	3,292						
Water heat exchanger	Type	Brazed plate															
	Nominal water flow	Cooling	l/min		229	301	377	436	522	599	677	728					
	Nominal water pressure drop	Cooling	Total	kPa		59	58	52	49	52	53	51	47				
Air heat exchanger	Type	Cross fin coil/Hi-Xss tubes and poly ethylene coated waffle fins															
Compressor	Type	Scroll compressor															
	Quantity			2		4		2	4	2	4						
Compressor 2	Quantity			-		-		2	-	2	-						
Fan	Quantity			4		6		8		8							
	Air flow rate	Nom.	m ³ /min		780	800	860	1,290	1,600								
	Speed	rpm		880	900	970	900										
Sound power level	Cooling	Nom.		dB(A)		86	88	89	90	91							
Operation range	Water side	Cooling	Min.~Max.		°CDB		-10~25										
	Air side	Cooling	Min.~Max.		°CDB		-15~43										
Refrigerant	Type	R-410A															
	Control	Electronic expansion valve															
	Circuits	Quantity			1		2		2		2						
Refrigerant circuit	Charge	kg		33	19	23	31	30	40	39							
Refrigerant circuit 2	Charge	kg		-	19	23	31	30	40	39							
Piping connections	Water heat exchanger inlet / outlet	3" OD															
	Water heat exchanger drain	1/2" G															
Power supply	Phase/Frequency/Voltage	Hz/V		3~/50/400													

(1) For -N models (standard) (2) For -P models (with optional pump / + OPSP) and for -B models (with optional pump and buffertank / + OPSP + OPBT)



EWAQ-E-



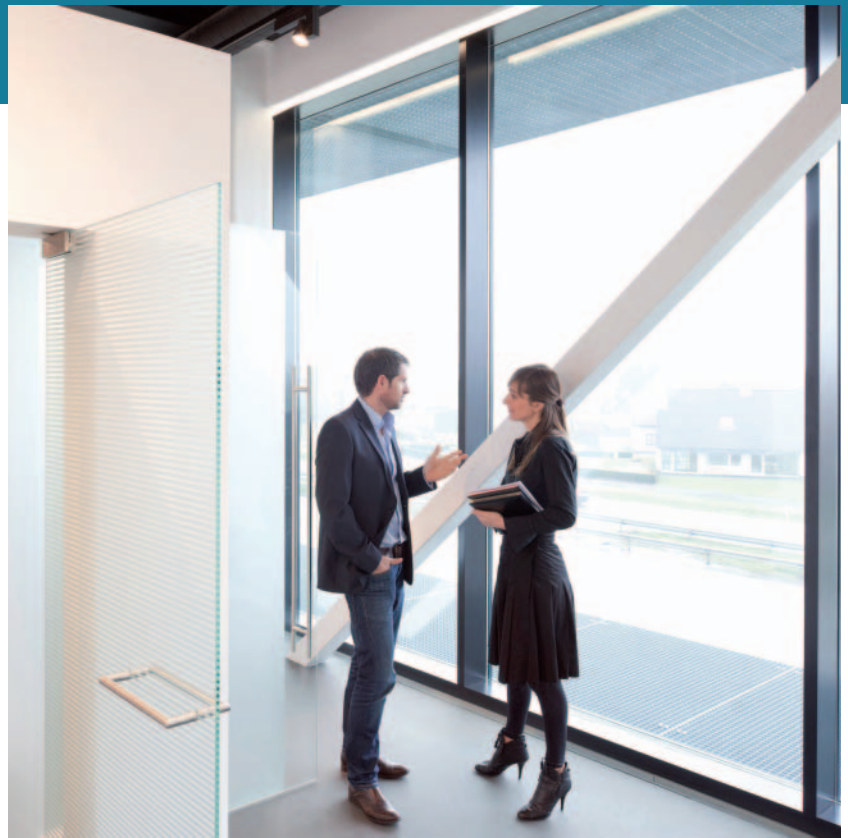
MicroTech III

- › Reliable and efficient scroll compressors with high EER values
- › A series of advantages thanks to the use of large-capacity scroll compressors: increased competitiveness, reduced weight, clearances around the unit
- › Reduced footprint thanks to the V-shaped frame
- › Large operation range: ambient temperatures up to 52°C and down to -18°C
- › Ideal solution for a broad range of comfort and process applications
- › The unit can be equipped with a hydraulic module optimizing installation time, space and cost
- › MicroTech III controller with superior control logic and easy interface

Cooling only

High efficiency Standard/low sound

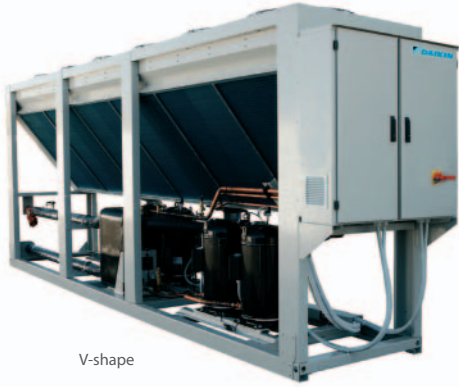
EWAQ-E-XS/XL				180	200	230	260	320	340		
Cooling capacity	Nom.			kW	178	200	226	263	315	334	
	Power input	Cooling	Nom.	kW	58.0	65.3	73.8	86.2	103	110	
Capacity control	Method			Step							
	Minimum capacity			%	50	43	50	33	27	33	
EER				3.06							
ESEER				3.99		4.06		3.87		4.09	
Dimensions	Unit	HeightxWidthxDepth		mm		2,271x1,224x4,413		2,271x1,224x5,313		2,271x1,224x6,213	
	Weight (XS)	Unit			kg		1,722		1,807		1,871
Operation weight			kg		1,734		1,819		1,885		
Weight (XL)	Unit			kg		1,876		1,965		2,032	
	Operation weight			kg		1,889		1,978		2,047	
Water heat exchanger	Type			Plate heat exchanger							
	Water volume			l		12		14			
	Nominal water flow	Cooling		l/s		8.5		9.6		10.8	
		Nominal water pressure drop		Cooling	Total	kPa		27		34	
Air heat exchanger			High efficiency fin and tube type with integral subcooler								
Compressor	Type			Scroll compressor							
	Quantity			2		3					
Fan	Type			Direct propeller							
	Quantity			4		5		6			
	Air flow rate	Nom.		l/s		21,845		21,148		26,874	
		Speed		rpm		900					
Sound power level (XS)	Cooling	Nom.		dBA		93		94		96	
Sound power level (XL)	Cooling	Nom.		dBA		91		92		93	
Sound pressure level (XS)	Cooling	Nom.		dBA		75		76		77	
Sound pressure level (XL)	Cooling	Nom.		dBA		73		73		74	
Operation range	Water side		Cooling	Min.~Max.		°CDB		-15~18			
	Air side		Cooling	Min.~Max.		°CDB		-18~52			
Refrigerant	Type			R-410A							
	Quantity			1							
Refrigerant circuit	Charge			kg		15		18		16	
Piping connections	Evaporator water inlet/outlet (OD)			3"							
Power supply	Phase/Frequency/Voltage			Hz/V							
				3~/50/400							



Cooling only

High efficiency Reduced sound

EWAQ-E-XR				170	190	220	260	300	320	
Cooling capacity	Nom.		kW	172	193	219	254	302	321	
Power input	Cooling	Nom.	kW	56.5	64.4	71.8	85.4	102	109	
Capacity control	Method			Step						
	Minimum capacity		%	50	43	50	33	27	33	
EER				3.05	3.00	3.05	2.97	2.96	2.95	
ESEER				4.41	4.48	4.27	4.54	4.52	4.43	
Dimensions	Unit	HeightxWidthxDepth	mm	2,271x1,224x4,413		2,271x1,224x5,313		2,271x1,224x6,213		
Weight	Unit		kg	1,970	2,064	2,134	2,489	2,632	2,840	
	Operation weight		kg	1,982	2,076	2,148	2,503	2,647	2,855	
Water heat exchanger	Type			Plate heat exchanger						
	Water volume		l	12		14				
	Nominal water flow	Cooling	l/s	8.2	9.2	10.5	12.1	14.5	15.4	
	Nominal water pressure drop	Cooling	Total	kPa	26	32	33	44	43	50
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler						
Compressor	Type			Scroll compressor						
	Quantity			2			3			
Fan	Type			Direct propeller						
	Quantity			4		5		6		
	Air flow rate	Nom.	l/s	16,743	16,285	20,618	20,056	25,243	24,604	
	Speed		rpm	705						
Sound power level	Cooling	Nom.	dB(A)	85	86	87	86	88	89	
Sound pressure level	Cooling	Nom.	dB(A)	66	67	68	67	68	69	
Operation range	Water side	Cooling	Min.~Max. °CDB	-15~18						
	Air side	Cooling	Min.~Max. °CDB	-18~52						
Refrigerant	Type			R-410A						
	Circuits	Quantity		1						
Refrigerant circuit	Charge		kg	15	18	16	21		26	
Piping connections	Evaporator water inlet/outlet (OD)			3"						
Power supply	Phase/Frequency/Voltage			3~/50/400						



V-shape

EWAQ-F-SS/SL
EWAQ-F-SR



W-shape

EWAQ-F-SS/SL
EWAQ-F-SR



MicroTech III

- > Reliable and efficient scroll compressors with high EER values
- > A series of advantages thanks to the use of large-capacity scroll compressors: increased competitiveness, reduced weight, clearances around the unit
- > 1-2 truly independent refrigerant circuits
- > Reduced footprint thanks to the V-shaped frame
- > Large operation range: ambient temperatures up to 52°C and down to -18°C
- > The unit can be equipped with a hydraulic module optimizing installation time, space and cost
- > Ideal solution for a broad range of comfort and process applications
- > MicroTech III controller with superior control logic and easy interface

Cooling only

Standard efficiency Standard/low sound

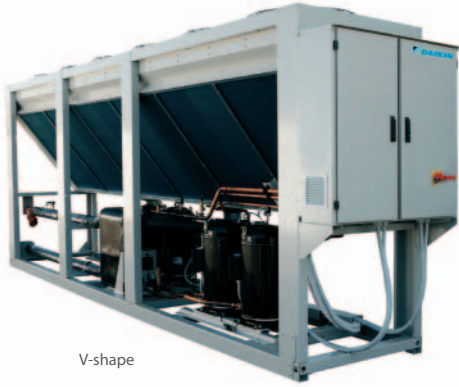
EWAQ-F-SS/SL				210	230	250	280	320	350	360	400	410	480	550	610													
Cooling capacity	Nom.			kW			206	224	247	283	313	359		407	480	551	609											
	Power input		Cooling	Nom.		kW		73.3	84.9	93.6	109	122	141		154	187	207	229										
Capacity control	Method			Step																								
	Minimum capacity			%			25	22	25	23	25	21		25	17	14	17											
EER				2.81		2.64		2.60		2.58		2.55		2.64		2.57		2.67		2.66								
ESEER				3.75		3.72		3.74		3.66		3.67		3.74		4.00		3.78		4.01		4.10		4.00		3.99		
Dimensions	Unit	HeightxWidthxDepth		mm			2,271x1,224x4,413			2,271x1,224x5,313			2,271x1,224x6,213		2,221x2,258x3,210		2,447x1,224x6,213		2,397x2,258x3,210		2,221x2,258x4,110		2,221x2,258x5,010					
Weight (SS)	Unit			kg			2,058		2,130		2,202		2,284		2,409		2,509		2,659		2,759		2,990		3,336		3,558	
	Operation weight			kg			2,070		2,142		2,216		2,298		2,424		2,524		2,699		2,799		3,036		3,382		3,604	
Weight (SL)	Unit			kg			2,297		2,373		2,449		2,535		2,666		2,766		2,968		3,068		3,315		3,679		3,912	
	Operation weight			kg			2,309		2,385		2,463		2,549		2,681		2,781		3,008		3,108		3,362		3,725		3,958	
Water heat exchanger	Type			Plate heat exchanger																								
	Water volume			l			12			14			40			46												
	Nominal water flow		Cooling	l/s		9.9	10.7	11.8	13.6	15.0	17.2		19.5		23.0	26.4	29.2											
	Nominal water pressure drop		Cooling	Total		kPa		37	43	53	56	69	30		32	35	46	56										
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			6			8			10												
	Air flow rate		Nom.	l/s		21,845		21,148		27,306		26,435		32,767		32,513		43,690		54,612		52,870						
Speed			rpm			900																						
Sound power level (SS)	Cooling	Nom.		dBA			93	94	95			97			99													
Sound power level (SL)	Cooling	Nom.		dBA			91	92		93			94			95	96											
Sound pressure level (SS)	Cooling	Nom.		dBA			75		76			77	78			79												
Sound pressure level (SL)	Cooling	Nom.		dBA			73			74	75	74	75		76													
Operation range	Water side		Cooling	Min.~Max.		°CDB																						
	Air side		Cooling	Min.~Max.		°CDB																						
Refrigerant	Type			R-410A																								
	Quantity			2																								
Refrigerant circuit	Charge			kg			18			21			24			34			40			46						
Piping connections	Evaporator water inlet/outlet (OD)			3"																								
Power supply	Phase/Frequency/Voltage			Hz/V																								
				3~/50/400																								



Cooling only

Standard efficiency Reduced sound

EWAQ-F-SR				200	220	240	270	300	330	340	370	380	460	530	580																								
Cooling capacity	Nom.			kW			198	214	235	270	298	341	383	456	527	580																							
	Power input	Cooling	Nom.	kW			73.4	86.0	95.6	110	125	144	159	191	208	233																							
Capacity control	Method			Step																																			
	Minimum capacity			%			25	22	25	23	25	21	25	17	14	17																							
EER							2.70	2.49	2.46	2.45	2.38	2.37	2.41	2.39	2.53	2.49																							
ESEER							4.20	4.12	4.04	4.06	3.95	4.09	4.25	4.02	4.15	4.49	4.42	4.33																					
Dimensions	Unit	HeightxWidthxDepth		mm			2,271x1,224x4,413			2,271x1,224x5,313			2,271x1,224x6,213			2,221x2,258x3,210			2,447x1,224x6,213			2,397x2,258x3,210			2,221x2,258x4,110			2,221x2,258x5,010											
Weight	Unit			kg			2,412			2,491			2,571			2,661			2,799			2,899			3,116			3,216			3,481			3,863			4,108		
	Operation weight			kg			2,424			2,504			2,585			2,676			2,814			2,914			3,156			3,256			3,527			3,909			4,154		
Water heat exchanger	Type			Plate heat exchanger																																			
	Water volume			l			12			14			40			46																							
	Nominal water flow			l/s			9.5			10.2			11.3			13.0			14.3			16.3			18.3			21.8			25.2			27.8					
	Nominal water pressure drop			kPa			34			40			48			51			63			27			29			31			42			51					
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler																																			
Compressor	Type			Scroll compressor																																			
	Quantity			4			5			6			8			10																							
Fan	Type			Direct propeller																																			
	Quantity			4			5			6			8			10																							
	Air flow rate			l/s			16,743			16,285			20,929			20,356			25,115			24,922			33,487			41,858			40,713								
	Speed			rpm			705																																
Sound power level	Cooling	Nom.		dBA			85	86	87	89	90	89	91	92																									
Sound pressure level	Cooling	Nom.		dBA			66	67	68	69	70	71	70	71	72																								
Operation range	Water side			Cooling			Min.~Max. °CDB			-15~18																													
	Air side			Cooling			Min.~Max. °CDB			-18~52																													
Refrigerant	Type			R-410A																																			
	Circuits			Quantity			2																																
Refrigerant circuit	Charge			kg			18			21			24			34			40			46																	
Piping connections	Evaporator water inlet/outlet (OD)			3"																																			
Power supply	Phase/Frequency/Voltage			3~/50/400																																			



V-shape

EWAQ-F-XS/XL
EWAQ-F-XR



W-shape

EWAQ-F-XS/XL
EWAQ-F-XR



MicroTech III

- > Reliable and efficient scroll compressors with high EER values
- > A series of advantages thanks to the use of large-capacity scroll compressors: increased competitiveness, reduced weight, clearances around the unit
- > 1-2 truly independent refrigerant circuits
- > Reduced footprint thanks to the V-shaped frame
- > Large operation range: ambient temperatures up to 52°C and down to -18°C
- > The unit can be equipped with a hydraulic module optimizing installation time, space and cost
- > Ideal solution for a broad range of comfort and process applications
- > MicroTech III controller with superior control logic and easy interface

Cooling only

High efficiency Standard/low sound

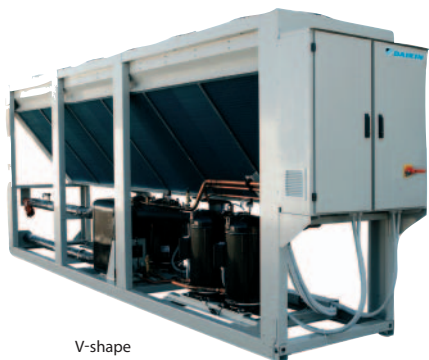
EWAQ-F-XS/XL				170	200	220	250	310	320	350	360	400	430	450	520	610	680	
Cooling capacity	Nom.		kW	170	194	220	244	316		356		403	428	457	528	607	672	
	Cooling	Nom.	kW	54.8	62.2	70.6	78.3	102		115		130	137	146	170	198	219	
Capacity control	Method			Step														
	Minimum capacity		%	25	21	25	22	23		25		21	20	25	17	14	17	
EER				3.11	3.13	3.12		3.09			3.10		3.12		3.10	3.07		
ESEER				3.89	4.08	3.91	4.03	4.05	4.30	4.06	4.33	4.22	4.26	4.22	4.29	4.24	4.14	
Dimensions	Unit	HeightxWidthxDepth	mm	2,271x1,224x4,413		2,271x1,224x5,313		2,271x1,224x6,213	2,221x2,258x3,210	2,271x1,224x6,213	2,221x2,258x3,210	2,221x2,258x4,110			2,221x2,258x5,010			
Weight (XS)	Unit		kg	1,688	1,958	2,210	2,339	2,500	2,600	2,632	2,732	2,744	2,845	2,861	3,569	3,667	4,054	
	Operation weight			1,700	1,973	2,225	2,353	2,514		2,672	2,772	2,784	2,891	2,907	3,615	3,727	4,115	
Weight (XL)	Unit		kg	1,909	2,193	2,457	2,592	2,761	2,861	2,900	3,000	3,017	3,124	3,141	3,923	4,026	4,434	
	Operation weigh			1,921	2,207	2,472	2,607	2,776	2,876	2,940	3,040	3,057	3,170	3,187	3,970	4,087	4,494	
Water heat exchanger	Type			Plate heat exchanger														
	Water volume		l	12		14				40				46		60		
	Nominal water flow	Cooling	l/s	8.2	9.3	10.5	11.7	15.1		17.0		19.3	20.5	21.8	25.3	29.0	32.2	
	Nominal water pressure drop	Cooling	Total	kPa	25	27	34	42	22		23		31	29	30	41	44	55
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		6			8			10		12		
	Air flow rate	Nom.	l/s	21,845	21,148	26,874	25,204	31,722		30,245	30,245	42,296	40,326		50,408		60,489	
	Speed		rpm	900														
Sound power level (XS)	Cooling	Nom.	dB(A)	91	93	94	95	96			97	98		99	100			
Sound power level (XL)	Cooling	Nom.	dB(A)	90	91	92		93			95		96	97				
Sound pressure level (XS)	Cooling	Nom.	dB(A)	72	74	75	76	77	76	77	78		79	78	79			
Sound pressure level (XL)	Cooling	Nom.	dB(A)	71	73		74			75		76		76				
Operation range	Water side	Cooling	Min.~Max. °CDB	-15~-18														
	Air side	Cooling	Min.~Max. °CDB	-18~-52														
Refrigerant	Type			R-410A														
	Quantity			2														
Refrigerant circuit	Charge		kg	14	18	21	24			35			40		46			
Piping connections	Evaporator water inlet/outlet (OD)			3"														
Power supply	Phase/Frequency/Voltage			3~/50/400														



Cooling only

High efficiency Reduced sound

EWAQ-F-XR				170	190	210	240	300	310	330	340	390	410	430	500	580	650				
Cooling capacity	Nom.			kW			165	188	211	236	304	340	385	407	433	502	579	645			
	Power input	Cooling	Nom.	kW			53.0	61.2	68.7	77.3	101	117	128	136	146	170	200	219			
Capacity control	Method			Step																	
	Minimum capacity			%			25	21	25	22	23	25	21	20	25	17	14	17			
EER				3.12	3.07	3.08	3.05	3.00	3.00	2.92	3.01	2.99	2.96		2.90	2.95					
ESEER				4.49	4.59	4.45	4.51	4.53	4.67	4.45	4.62	4.65	4.62	4.53	4.75	4.63	4.54				
Dimensions	Unit	HeightxWidthxDepth		mm																	
Weight	Unit			kg																	
	Operation weight			2,004	2,303	2,580	2,722	2,900	3,000	3,045	3,145	3,168	3,280	3,298	4,120	4,228	4,655				
Water heat exchanger	Type			Plate heat exchanger																	
	Water volume			l			12	14			40			46			60				
	Nominal water flow			Cooling	l/s			7.9	9.0	10.1	11.3	14.5	16.3	18.4	19.5	20.7	24.0	27.7	30.9		
	Nominal water pressure drop			Cooling	Total	kPa			24	25	31	39	21			28	26	27	38	40	51
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			6			8			10			12		
	Air flow rate			Nom.	l/s			16,743	16,285	20,618	19,522	24,428	23,426	32,570	31,235	39,044	46,852				
	Speed			rpm			705														
Sound power level	Cooling	Nom.		dBA			83	84	85	86	87			89	90	89	90	92			
Sound pressure level	Cooling	Nom.		dBA			64	65	66	67	68	67	68	69	70	69	70	71			
Operation range	Water side			Cooling	Min.~Max.		°CDB														
	Air side			Cooling	Min.~Max.		°CDB														
Refrigerant	Type			R-410A																	
	Circuits			Quantity			2														
Refrigerant circuit	Charge			kg			14	18	21	24			35			40			46		
Piping connections	Evaporator water inlet/outlet (OD)			3"																	
Power supply	Phase/Frequency/Voltage			Hz/V																	
				3~/50/400																	



V-shape

EWAQ-GZ



W-shape

EWAQ-GZ



MicroTech III

- > In-house designed DC-inverter scroll compressor, unique in the market and based on the latest Daikin technology development
- > Built-in redundancy (up to 12 compressors)
- > Highest ESEER in its class (up to 5)
- > Low inrush current
- > Seasonal quietness



Cooling only

High efficiency Standard sound

EWAQ-GZXS				210	270	320	340	400	
Cooling capacity	Nom.			kW	201	270	323	340	395
	Cooling	Nom.		kW	72.5	94.0	122	117	144
Capacity control	Method			Stepless					
	Minimum capacity			%	14.4	14.3	14.9	14.3	14.8
EER					2.77	2.87	2.64	2.92	2.75
ESEER					4.79	4.89	4.90	4.77	4.78
Dimensions	Unit	HeightxWidthxDepth		mm	2,270x1,290x4,450	2,223x2,234x3,560		2,223x2,234x4,460	
Weight	Unit			kg	1,600	2,100	2,150	2,400	2,500
	Operation weight			kg	1,677	2,233	2,297	2,575	2,688
Water heat exchanger	Type			Plate heat exchanger					
	Water volume			l	29	61	75	79	92
	Nominal water flow		Cooling	l/s	9.6	12.9	15.4	16.3	18.9
	Nominal water pressure drop		Cooling	Total	kPa	27	14	15	16
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler					
Compressor	Type			DC Inverter Scroll					
	Quantity				6	8	10		12
Fan	Type			Direct propeller					
	Quantity				4	6		8	
	Air flow rate		Nom.	l/s	17,473	26,209		34,946	
	Speed			rpm	920				
Sound power level	Cooling	Nom.		dBA	92	94		96	
Sound pressure level	Cooling	Nom.		dBA	75		78		79
Operation range	Water side		Cooling	Min.~Max.	°CDB				
	Air side		Cooling	Min.~Max.	°CDB				
Refrigerant	Type			R-410A					
	Circuits		Quantity		1		2		
Refrigerant circuit	Charge			kg	48	72		96	
Piping connections	Evaporator water inlet/outlet (OD)				2.5"		4.5"		
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400				



Cooling only

High efficiency Reduced sound

EWAQ-GZXR				190	270	320	340	390
Cooling capacity	Nom.		kW	196	264	315	334	386
	Cooling	Nom.	kW	73.3	94.8	124	117	145
Capacity control	Method			Stepless				
	Minimum capacity		%	14.4	14.3	14.9	14.3	14.8
EER				2.68	2.79	2.53	2.86	2.65
ESEER				4.88	4.95	5.05	5.07	
Dimensions	Unit	HeightxWidthxDepth	mm	2,270x1,290x4,450	2,223x2,234x3,560		2,223x2,234x4,460	2,223x2,241x4,460
Weight	Unit		kg	1,618	2,124	2,180	2,430	2,536
	Operation weight		kg	1,695	2,257	2,327	2,605	2,724
Water heat exchanger	Type			Plate heat exchanger				
	Water volume		l	29	61	75	79	92
	Nominal water flow	Cooling	l/s	9.4	12.6	15.0	16.0	18.5
	Nominal water pressure drop	Cooling	Total	kPa	26	14	15	17
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler				
Compressor	Type			DC Inverter Scroll				
	Quantity			6	8	10		12
Fan	Type			Direct propeller				
	Quantity			4	6		8	
	Air flow rate	Nom.	l/s	15,131	22,697		30,263	
	Speed		rpm	715				
Sound power level	Cooling	Nom.	dB(A)	89	91		92	
Sound pressure level	Cooling	Nom.	dB(A)	72	74		75	
Operation range	Water side	Cooling	Min.~Max.	°CDB -8~20				
	Air side	Cooling	Min.~Max.	°CDB -18~43				
Refrigerant	Type			R-410A				
	Circuits	Quantity		1	2		2	
Refrigerant circuit	Charge		kg	48	72		96	
Piping connections	Evaporator water inlet/outlet (OD)			2.5"	4.5"			
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400				



EWAD140,160E-SS
EWAD130,160E-SL



MicroTech III

- > One refrigerant circuit with single screw compressor
- > Compact design with brazed plate heat exchanger
- > Large operation range (ambient temperature down to -18°C)
- > Water supply down to -15°C

Cooling only

Standard efficiency Standard sound

EWAD-E-SS				100	120	140	160	180	210	260	310	360	410		
Cooling capacity	Nom.			kW	101	121	138	163	183	213	255	306	359	411	
	Power input	Cooling	Nom.	kW	39.0	47.5	53.9	60.9	69.0	72.4	87.8	112.1	134.3	147	
Capacity control	Method			Stepless											
	Minimum capacity			%	25										
EER				2.58	2.54	2.55	2.67	2.64	2.95	2.90	2.73	2.67	2.80		
ESEER				2.84		2.67	2.86	2.75	2.96	3.07	2.94	3.11	3.22		
Dimensions	Unit	HeightxWidthxDepth		mm	2,273x1,292x2,165		2,273x1,292x3,065		2,273x1,292x3,965		2,223x2,236x3,070				
Weight	Unit			kg	1,684		1,861		2,086		2,919				
	Operation weight			kg	1,699		1,881		2,116		2,963				
Water heat exchanger	Type			Plate heat exchanger											
	Water volume			l	12	15	17	20	24	30	25	30	36	44	
	Nominal water flow			Cooling	l/s	4.8	5.8	6.6	7.8	8.7	10.2	12.2	14.6	17.2	19.7
	Nominal water pressure drop			Cooling	Heat exchanger	kPa	24	25	23	24	22	21	47	48	45
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler											
Compressor	Type			Semi-hermetic single screw compressor					asymmetric single screw compressor						
	Quantity			1											
Fan	Type			Direct propeller											
	Quantity			2		3		4		6					
	Air flow rate			Nom.	l/s	10,924	10,576	16,386	15,865	21,848	21,153	32,772	31,729		
	Speed			rpm	900										
Sound power level	Cooling	Nom.		dBA	92			93		94			95		
Sound pressure level	Cooling	Nom.		dBA	74					75				76	
Operation range	Water side			Cooling	Min.~Max.	°CDB									
	Air side			Cooling	Min.~Max.	°CDB									
Refrigerant	Type			R-134a											
	Charge			kg	18	21	23	28	30	33	46	56	60		
	Circuits			Quantity	1										
Piping connections	Evaporator water inlet/outlet (OD)			3"											
Power supply	Phase/Frequency/Voltage			Hz/V											
				3~/50/400											

EWAD-E-SL



Cooling only

Standard efficiency Low sound

EWAD-E-SL				100	120	130	160	180	210	250	300	350	400									
Cooling capacity	Nom.			kW			98	116	134	157	177	208	248	295	344	397						
	Power input	Cooling	Nom.	kW			39.2	48.3	53.4	60.8	68.3	72.8	85.4	111.2	135.0	152						
Capacity control	Method			Stepless																		
	Minimum capacity			%			25															
EER				2.49	2.39	2.50	2.57	2.59	2.86	2.90	2.65	2.55	2.62									
ESEER				2.92	2.89	2.78	2.92	3.00	3.24	3.41	3.28	3.22	3.33									
Dimensions	Unit	HeightxWidthxDepth		mm			2,273x1,292x2,165		2,273x1,292x3,065		2,273x1,292x3,965		2,223x2,236x3,070									
Weight	Unit			kg			1,784		1,961		2,186		3,029									
	Operation weight			kg			1,799		1,981		2,216		3,073									
Water heat exchanger	Type			Plate heat exchanger																		
	Water volume			l			12	15	17	20	24	30	25	30	36	44						
	Nominal water flow		Cooling	l/s			4.7	5.5	6.4	7.5	8.4	10.0	11.9	14.1	16.5	19.0						
	Nominal water pressure drop		Cooling	Heat exchanger	kPa			23		22		23		21		20		45		44		42
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler																		
Compressor	Type			Semi-hermetic single screw compressor						asymmetric single screw compressor												
	Quantity			1																		
Fan	Type			Direct propeller																		
	Quantity			2			3			4			6									
	Air flow rate		Nom.	l/s			8,373	8,144	12,560	12,216	16,747	16,288	25,120	24,432								
	Speed			rpm			700															
Sound power level	Cooling	Nom.		dBA			89			90			92			93						
Sound pressure level	Cooling	Nom.		dBA			71						73			74						
Operation range	Water side		Cooling	Min.~Max.		°CDB			-15~-15													
	Air side		Cooling	Min.~Max.		°CDB			-18~-48													
Refrigerant	Type			R-134a																		
	Charge			kg			18	21	23	28	30	33	46	56	60							
	Circuits		Quantity		1																	
Piping connections	Evaporator water inlet/outlet (OD)			3"																		
Power supply	Phase/Frequency/Voltage			Hz/V																		
				3~/50/400																		



EWAD-D-SS



MicroTech III

- > Dual refrigerant circuit with stepless single-screw compressor
- > **Standard sound level configuration:** condenser fan rotating at 890 rpm, rubber antivibration under compressor
- > **Low sound level configuration:** condenser fan rotating at 900 rpm (EWAD180-370D-SL) and 705 rpm (EWAD400-530D-SL), rubber anti-vibration under compressor
- > Stepless single-screw compressor
- > Optimised for use with R-134a
- > Large operation range (ambient temperature down to -18°C)
- > MicroTech III controller with superior control logic and easy interface

Cooling only

Standard efficiency Standard sound

EWAD-D-SS				390	440	470	510	530	560	580	
Cooling capacity	Nom.			kW	388	435	463	500	529	553	575
	Cooling		Nom.	kW	154	165	169	186	196	207	199
Capacity control	Method			Stepless							
	Minimum capacity			%	13						
EER				2.52	2.63	2.74	2.70		2.67	2.89	
ESEER				3.24	3.42	3.36	3.38	3.37	3.40	3.26	
Dimensions	Unit	HeightxWidthxDepth		mm	2,223x2,234x3,139						
					2,223x2,234x4,040						
Weight	Unit			kg	2,960	4,030	4,220	4,230		4,235	
	Operation weight			kg	3,090	4,195	4,395				
Water heat exchanger	Type			Single pass shell & tube							
	Water volume			l	130	165	175	165		160	
	Nominal water flow		Cooling	l/s	18.6	20.8	22.2	24.0	25.4	26.5	27.6
	Nominal water pressure drop		Cooling	Heat exchanger	kPa	46	38	67	47	52	57
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler							
Compressor	Type			Semi-hermetic single-screw compressor							
	Quantity			asymmetric single screw compressor							
Fan	Type			Direct propeller							
	Quantity			6		8					
	Air flow rate		Nom.	l/s	32,772	31,729	43,696			42,306	
	Speed			rpm	890						
Sound power level	Cooling	Nom.		dBA	96	97		98	99		
Sound pressure level	Cooling	Nom.		dBA	77			79			
Operation range	Water side		Cooling	Min.~Max.	°CDB						
	Air side		Cooling	Min.~Max.	°CDB						
Refrigerant	Type			R-134a							
	Quantity			2							
Refrigerant circuit	Charge			kg	56	60	70	76	82	87	92
Piping connections	Evaporator water inlet/outlet (OD)			5.5"							
Power supply	Phase/Frequency/Voltage			Hz/V							
				3~/50/400							

EWAD-D-SL



Cooling only

Standard efficiency Low sound

EWAD-D-SL				180	200	230	250	260	280	300	320	370	400	440	480	510	530						
Cooling capacity	Nom.			kW			183	197	224	244	260	274	297	320	368	402	438	475	503	531			
	Power input	Cooling	Nom.	kW			82.0	80.2	85.6	94.4	102	109	121	125	135	171	172	188	205	197			
Capacity control	Method			Stepless																			
	Minimum capacity			%			13																
EER				2.24	2.46	2.62	2.58	2.54	2.50	2.46	2.56	2.72	2.36	2.55	2.53	2.46	2.70						
ESEER				2.91	3.04	3.15	3.08	3.12	3.08	3.05	3.10	3.23	3.49	3.48	3.41	3.51	3.62						
Dimensions	Unit	HeightxWidthxDepth		mm			2,355x2,234x2,239			2,355x2,234x3,139			2,355x2,234x4,040			2,223x2,234x4,040							
	Weight	Unit			kg			2,475			2,470			2,860			3,187						
Operation weight			kg			2,500			2,960			3,300			4,030								
Water heat exchanger	Type			Plate heat exchanger			Single pass shell & tube																
	Water volume			l			25			30			100			130			165				
	Nominal water flow			Cooling			l/s			8.8			9.4			10.7			11.7				
	Nominal water pressure drop			Cooling			Heat exchanger			kPa			29			22			58				
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler																			
Compressor	Type			Semi-hermetic single screw compressor																			
	Quantity			asymmetric single screw compressor																			
Fan	Type			Direct propeller																			
	Quantity			4			6			8			6			8							
	Air flow rate			Nom.			l/s			15,295			14,868			22,943			22,623				
	Speed			rpm			900			22,302			30,591			24,432							
Sound power level	Cooling	Nom.		dBA			94			95			97			94							
Sound pressure level	Cooling	Nom.		dBA			75			78			75			76							
Operation range	Water side			Cooling			Min.~Max.			°CDB			-15~15										
	Air side			Cooling			Min.~Max.			°CDB			-18~48										
Refrigerant	Type			R-134a																			
	Circuits			Quantity			2																
Refrigerant circuit	Charge			kg			36			42			48			50							
Piping connections	Evaporator water inlet/outlet (OD)			3"			4"			5"													
Power supply	Phase/Frequency/Voltage			Hz/V																			
				3~/50/400																			



EWAD-D-SR



MicroTech III

- > Dual refrigerant circuit with stepless single-screw compressor
- > **Reduced sound level configuration:** condenser fan rotating at 680 rpm (EWAD180-370D-SR) and 705 rpm (EWAD400-530D-SR), rubber anti-vibration under compressor, compressor sound enclosure.
- > **Extra low sound level configuration:** condenser fan rotating at 500 rpm, rubber anti-vibration under compressor, compressor and evaporator sound enclosure
- > Stepless single-screw compressor
- > Optimised for use with R-134a
- > Large operation range (ambient temperature down to -18°C)
- > MicroTech III controller with superior control logic and easy interface

Cooling only

Standard efficiency Reduced sound

EWAD-D-SR				180	190	220	240	250	270	280	310	370	400	440	480	510	530																											
Cooling capacity	Nom.			kW			177	190	218	237	251	263	277	310	364	402	438	475	503	531																								
	Power input	Cooling	Nom.	kW			84.5	83.1	86.2	95.6	104	112	123	127	140	171	172	188	205	197																								
Capacity control	Method			Stepless																																								
	Minimum capacity			%			13																																					
EER				2.09	2.28	2.53	2.48	2.41	2.34	2.25	2.45	2.60	2.36	2.55	2.53	2.46	2.70																											
ESEER				2.81	2.93	3.18	3.08	3.09	3.02	2.99	3.11	3.25	3.49	3.48	3.41	3.51	3.62																											
Dimensions	Unit	HeightxWidthxDepth		mm			2,355x2,234x2,239			2,355x2,234x3,139			2,355x2,234x4,040			2,223x2,234x4,040																												
	Weight	Unit			kg			2,620			2,890			3,335		4,040		4,240																										
Operation weight			kg			2,650			3,100			3,450		4,342		4,542																												
Water heat exchanger	Type			Plate heat exchanger			Single pass shell & tube																																					
	Water volume			l			25			30			100			130		165		170		165		160																				
	Nominal water flow			Cooling			l/s			8.5			9.1			10.4			11.3			12.0			12.6			13.3			14.9		17.4		19.3		21.0		22.8		24.1		25.4	
	Nominal water pressure drop			Cooling			Heat exchanger			kPa			27			20			55			47			51			55			53		65		48		62		54		48		43	
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler																																								
Compressor	Type			Semi-hermetic single screw compressor										asymmetric single screw compressor																														
	Quantity			2																																								
Fan	Type			Direct propeller																																								
	Quantity			4				6				8				6				8																								
	Air flow rate			Nom.			l/s			12,389		11,928		18,583		18,237		17,892		24,777		24,432		33,494		32,576																		
	Speed			rpm			680																																					
Sound power level	Cooling	Nom.		dBA			89				90				92				91				92				93																	
Sound pressure level	Cooling	Nom.		dBA			70																																					
Operation range	Water side			Cooling			Min.~Max.			°CDB			-15~15																															
	Air side			Cooling			Min.~Max.			°CDB			-18~48																															
Refrigerant	Type			R-134a																																								
	Charge			kg			36		42		48		50		54		58		66		70		76		82		84		86															
	Circuits			Quantity			2																																					
Piping connections	Evaporator water inlet/outlet (OD)			3"				4"				5"																																
Power supply	Phase/Frequency/Voltage			Hz/V			3~/50/400																																					



Cooling only

Standard efficiency Extra low sound

EWAD-D-SX				210	230	250	270	290	300	310	370	410	450	490					
Cooling capacity	Nom.			kW			202	230	252	270	285	298	308	369	412	449	490		
	Power input	Cooling	Nom.	kW			80.8	86.0	94.4	105	115	127	137	150	171	175	189		
Capacity control	Method			Stepless															
	Minimum capacity			%			13												
EER				2.50	2.68	2.67	2.56	2.47	2.35	2.25	2.46	2.41	2.56	2.60					
ESEER				3.24	3.50	3.39	3.42	3.32	3.27	3.14	3.12	3.35	3.45	3.44					
Dimensions	Unit	HeightxWidthxDepth		mm			2,420x2,234x3,139						2,420x2,234x4,040						
	Operation weight			kg			3,110	3,475		3,425	3,430		3,560	4,302	4,506	4,581			
Water heat exchanger	Type			Single pass shell & tube															
	Water volume			l			90	115		165	160		175	170		165			
	Nominal water flow			Cooling	l/s			9.7	11.0	12.1	12.9	13.7	14.3	14.7	17.7	19.7	21.5	23.5	
	Nominal water pressure drop			Cooling	Heat exchanger		kPa			45	34	38		35	38	41	45	44	50
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler															
Compressor	Type			Semi-hermetic single screw compressor						asymmetric single screw compressor									
	Quantity			2															
Fan	Type			Direct propeller															
	Quantity			6			8						9		10				
	Air flow rate			Nom.	l/s			12,876	17,893		17,169			26,496		28,981	33,120		
	Speed			rpm			500												
Sound power level	Cooling	Nom.		dBA			84	85						86					
Sound pressure level	Cooling	Nom.		dBA			65						66						
Operation range	Water side			Cooling	Min.~Max.		°CDB			-15~15									
	Air side			Cooling	Min.~Max.		°CDB			-18~48									
Refrigerant	Type			R-134a															
	Quantity			2															
Refrigerant circuit	Charge			kg			56	60						65	70	76	82		
Piping connections	Evaporator water inlet/outlet (OD)			4"															
Power supply	Phase/Frequency/Voltage			3~/50/400															



EWAD-D-



MicroTech III

- > High efficiency
- > **Standard sound level configuration:** condenser fan rotating at 900 rpm (EWAD250-350D-XS) and 890 rpm (EWAD380-620D-XS), rubber anti-vibration under compressor
- > **Reduced sound level configuration:** condenser fan rotating at 680 rpm (EWAD240-350D-XR) and 705 rpm (EWAD370-600D-XR), rubber antivibration under compressor, compressor sound enclosure.
- > Dual refrigerant circuit with stepless single-screw compressor
- > Optimised for use with R-134a
- > Large operation range (ambient temperature down to -18°C)
- > MicroTech III controller with superior control logic and easy interface

Cooling only

High efficiency Standard sound

EWAD-D-XS				250	280	300	330	350	380	400	470	520	580	620				
Cooling capacity	Nom.			kW			246	274	300	326	350	374	399	467	522	573	620	
	Power input	Cooling	Nom.	kW			80.1	88.2	95.4	105	114	121	129	152	169	183	196	
Capacity control	Method			Stepless														
	Minimum capacity			%														
EER				3.07	3.11	3.15	3.10	3.06	3.08	3.10	3.07	3.09	3.12	3.16				
ESEER				3.41	3.45	3.47	3.69	3.51	3.42	3.41	3.68	3.79	3.82	3.75				
Dimensions	Unit	HeightxWidthxDepth		mm			2,355x2,234x3,138				2,355x2,234x4,040			2,223x2,234x4,940				
Weight	Unit			kg			2,905	3,285		3,235		3,240		3,510	4,670	4,685		
	Operation weight			kg			3,000			3,400			3,780	4,940				
Water heat exchanger	Type			Single pass shell & tube														
	Water volume			l			95	115		165		160		270		255		
	Nominal water flow		Cooling	l/s			11.8	13.1	14.4	15.6	16.7	17.9	19.1	22.4	25.0	27.4	29.7	
	Nominal water pressure drop		Cooling	Heat exchanger	kPa			48	45	49	46	51	58	64	47	63	56	38
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler														
Compressor	Type			Semi-hermetic single screw compressor										asymmetric single screw compressor				
	Quantity			2														
Fan	Type			Direct propeller														
	Quantity			6			8						10					
	Air flow rate		Nom.	l/s			22,302	30,591	29,736		43,001	42,306	43,696	54,620				
	Speed			rpm			900						890					
Sound power level	Cooling	Nom.		dBA			97						99					
Sound pressure level	Cooling	Nom.		dBA			78						79					
Operation range	Water side		Cooling	Min.~Max.		°CDB			-15~-15									
	Air side		Cooling	Min.~Max.		°CDB			-18~-48									
Refrigerant	Type			R-134a														
	Quantity			2														
Refrigerant circuit	Charge			kg			58	66	76		73	76	86	100				
Piping connections	Evaporator water inlet/outlet (OD)			4"														
Power supply	Phase/Frequency/Voltage			Hz/V														
				3~/50/400														

EWAD-D-XR



Cooling only

High efficiency Reduced sound

EWAD-D-XR				240	270	300	320	350	370	390	460	510	560	600				
Cooling capacity	Nom.			kW			242	271	294	321	343	369	393	453	510	559	598	
	Cooling	Nom.		kW			81.6	88.0	96.3	107	117	121	129	154	169	185	200	
Capacity control	Method			Stepless														
	Minimum capacity			%			13											
EER				2.96	3.07	3.06	3.00	2.94	3.06	3.05	2.95	3.01	3.02	2.99				
ESEER				3.47	3.55	3.53	3.66	3.55	3.81	3.64	3.73	3.89	3.91	3.80				
Dimensions	Unit	HeightxWidthxDepth		mm			2,355x2,234x3,138			2,355x2,234x4,040			2,223x2,234x4,040		2,223x2,234x4,940			
	Weight	Unit			kg			3,005	3,385		3,335		3,340		3,610	4,770	4,785	
Water heat exchanger	Type			Single pass shell & tube														
	Water volume			l			95	115		165		160		270		255		
	Nominal water flow		Cooling	l/s			11.6	13.0	14.1	15.4	16.4	17.7	18.8	21.7	24.4	26.8	28.6	
	Nominal water pressure drop		Cooling	Heat exchanger	kPa			47	44	48	45	49	56		45	60	54	36
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler														
Compressor	Type			Semi-hermetic single screw compressor										asymmetric single screw compressor				
	Quantity			2														
Fan	Type			Direct propeller														
	Quantity			6			8						10					
	Air flow rate		Nom.	l/s			17,892	24,777	23,856		33,035	32,576	33,494	41,867				
	Speed			rpm			680						705					
Sound power level	Cooling	Nom.		dBA			92						93		94			
Sound pressure level	Cooling	Nom.		dBA			73						74					
Operation range	Water side		Cooling	Min.~Max.	°CDB			-15~15										
	Air side		Cooling	Min.~Max.	°CDB			-18~48										
Refrigerant	Type			R-134a														
	Quantity			2														
Refrigerant circuit	Charge			kg			60	68	80						104			
Piping connections	Evaporator water inlet/outlet (OD)			4"										6"				
Power supply	Phase/Frequency/Voltage			Hz/V														
				3~/50/400														



EWAD-D-



MicroTech III



- > High ambient
- > Standard sound level configuration: condenser fan rotating at 890 rpm, rubber antivibration under compressor
- > Stepless single-screw compressor
- > Optimised for use with R-134a
- > Large operation range (ambient temperature down to -18°C)
- > MicroTech III controller with superior control logic and easy interface

Cooling only

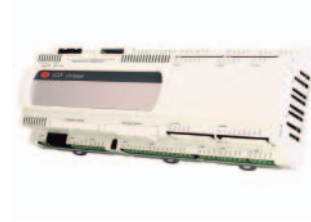
High ambient Standard sound

EWAD-D-HS				200	210	230	260	270	290	310	340	380	420	450	480	510	550	590							
Cooling capacity	Nom.			kW			194	208	233	255	272	288	305	334	379	413	446	476	512	545	585				
	Power input	Cooling	Nom.	kW			77.9	76.0	83.9	92.1	98.9	105	114	122	129	143	152	164	177	185	194				
Capacity control	Method			Stepless																					
	Minimum capacity			%			13																		
EER				2.49	2.73	2.77		2.75	2.73	2.68	2.75	2.93	2.90	2.93	2.90	2.89	2.95	3.02							
ESEER				3.01	3.17	3.21	3.08	3.16	3.13	3.11		3.38	3.47	3.52	3.51			3.54	3.63						
Dimensions	Unit	HeightxWidthxDepth		mm			2,223x2,234x2,239			2,223x2,234x3,339			2,223x2,234x4,040			2,223x2,234x4,940									
Weight	Unit			kg			2,475	2,470		2,865		2,870		3,185		3,277		3,942		4,356		4,361		4,366	
	Operation weight			kg			2,500			2,960			3,300		3,447		4,112		4,526						
Water heat exchanger	Type			Plate heat exchanger			Single pass shell & tube																		
	Water volume			l			25	30		95		90		115		170		165		160					
	Nominal water flow			Cooling	l/s			9.3	9.9		11.1	12.2	13.1	13.8	14.6	16.0	18.2	19.8	21.4	22.8	24.5	26.1	28.0		
	Nominal water pressure drop			Cooling	Heat exchanger		kPa			32	24	46	52	54	59	64	58	70	46	53	58	51	56	53	
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler																					
Compressor	Type			Semi-hermetic single screw compressor										asymmetric single screw compressor											
	Quantity			2																					
Fan	Type			Direct propeller																					
	Quantity			4				6				8				10									
	Air flow rate			Nom.	l/s			21,848	21,153		32,772		32,250		31,729		43,696		42,306		54,620				
Fan motor	Speed			Cooling	Nom.			rpm																	
Sound power level	Cooling			Nom.			96						97	99	97		98		99	100					
	Sound pressure level			Nom.			77						79	77		78		79	80						
Operation range	Water side			Cooling	Min.~Max.			°CDB																	
	Air side			Cooling	Min.~Max.			°CDB																	
Refrigerant	Type			R-134a																					
	Circuits			Quantity			2																		
Refrigerant circuit	Charge			kg			36	42		44		55	56		58	66	70	90	95	100					
Piping connections	Evaporator water inlet/outlet (OD)			3"			4"						5"												
Power supply	Phase/Frequency/Voltage			Hz/V																					
				3~/50/400																					





EWAD-BZ



PCO²



- > All models are PED pressure vessel approved
- > Inverter stepless single-screw compressor
- > High seasonal efficiency
- > 2 truly independent refrigerant circuits
- > DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- > Achieving building comfort conditions much faster at start-up
- > Standard electronic expansion valve
- > Partial and total heat recovery option available
- > Power factor over 0.95
- > Optimised for use with R-134a
- > Standard operation range down to -12°C

Cooling only

Standard efficiency Standard/low sound

EWAD-BZSS/SL				330	360	400	420	460	490	520	
Cooling capacity	Nom.			kW	328	357	394	422	458	513	
	Cooling	Nom.		kW	121.1	137.1	148.4	160.4	169.4	182.7	
Capacity control	Method			Stepless							
	Minimum capacity			%	14						
EER				2.71	2.60	2.65	2.63	2.70	2.66	2.63	
ESEER				4.37	4.40	4.32	4.38	4.37	4.47	4.36	
Dimensions	Unit	HeightxWidthxDepth		mm	2,355x2,234x4,381		2,355x2,234x5,281		2,355x2,234x6,181		
	Weight (SS)	Unit		kg	4,190		4,590		4,990		
Operation weight		kg	4,440		4,840		5,240				
Weight (SL)	Unit		kg	4,340		4,740		5,140			
	Operation weight		kg	4,590		4,990		5,390			
Water heat exchanger	Type			Single pass shell & tube							
	Water volume		l	271	264		256		248		
	Nominal water flow	Cooling		l/s	15.7	17.1	18.8	20.2	21.9	23.3	24.6
		Nominal water pressure drop		Cooling Heat exchanger	kPa	40	37	44	40	38	43
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler							
Compressor	Type			Semi-hermetic single screw compressor							
	Quantity			2							
Fan	Type			Direct propeller							
	Quantity			8		10		12			
	Air flow rate	Nom.		l/s	32,700	42,899	41,887	51,478	50,264	49,050	
		Speed		rpm	705						
Sound power level (SS)	Cooling	Nom.	dBA	103					104		
Sound power level (SL)	Cooling	Nom.	dBA	97					98		
Sound pressure level (SS)	Cooling	Nom.	dBA	83					84		
Sound pressure level (SL)	Cooling	Nom.	dBA	77					78		
Operation range	Water side	Cooling	Min.~Max.	°CDB -9.5~15							
		Air side	Cooling	Min.~Max.	°CDB -12~45						
Refrigerant	Type			R-134a							
	Charge		kg	73	99	105	114	118	121		
	Circuits		Quantity	2							
Piping connections	Evaporator water inlet/outlet (OD)			168.3mm							
Power supply	Phase/Frequency/Voltage			Hz/V 3~/50/400							

EWAD-BZXS/XL/XR



Cooling only High efficiency Standard/low/reduced sound

EWAD-BZXS/XL/XR				330	360	400	420	460	490	520	
Cooling capacity	Nom.		kW	328	357	394	422	458	486	513	
Power input	Cooling	Nom.	kW	119	136	146	158	166	180	192	
Capacity control	Method			Stepless							
	Minimum capacity		%	13.5							
EER				2.75	2.62	2.69	2.66	2.75	2.71	2.67	
ESEER				4.55	4.59	4.53	4.60	4.59	4.75	4.58	
Dimensions	Unit	HeightxWidthxDepth	mm	2,355x2,234x4,381			2,355x2,234x5,281		2,355x2,234x6,181		
Weight (XS)	Unit		kg	4,190			4,590		4,990		
	Operation weight		kg	4,440			4,840		5,240		
Weight (XL)	Unit		kg	4,340			4,740		5,140		
	Operation weight		kg	4,590			4,990		5,390		
Weight (XR)	Unit		kg	4,390			4,790		5,190		
	Operation weight		kg	4,640			5,040		5,440		
Water heat exchanger	Type			Single pass shell & tube							
	Water volume		l	271	264			256		248	
	Nominal water flow	Cooling	l/s	15.7	17.1	18.8	20.2	21.9	23.3	24.6	
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	40	37	44	40	38	43	47
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler							
Compressor	Type			Semi-hermetic single screw compressor							
	Quantity			2							
Fan	Type			Direct propeller							
	Quantity			8		10			12		
	Air flow rate	Nom.	l/s	32,700		42,899		41,887		51,478	
	Speed		rpm	705							
Sound power level (XS)	Cooling	Nom.	dBA	103					104		
Sound power level (XL)	Cooling	Nom.	dBA	97					98		
Sound power level (XR)	Cooling	Nom.	dBA	93					94		
Sound pressure level (XS)	Cooling	Nom.	dBA	83					84		
Sound pressure level (XL)	Cooling	Nom.	dBA	77					78		
Sound pressure level (XR)	Cooling	Nom.	dBA	73					74		
Operation range	Water side	Cooling	Min.~Max. °CDB	-9.5~15							
	Air side	Cooling	Min.~Max. °CDB	-12~45							
Refrigerant	Type			R-134a							
	Charge		kg	73	99	105	114	118	121		
	Circuits		Quantity	2							
Piping connections	Evaporator water inlet/outlet (OD)			168.3mm							
Power supply	Phase/Frequency/Voltage			3~/50/400							

No compromises, only the best!

The new Daikin Inverter Screw chiller is suitable to comfort or process applications where the load variation during the year is not negligible and high part load efficiency is a must! The new chiller represents a great opportunity to new or retrofit projects, easy to install and highly serviceable.

Energy savings

- › The EWAD-TZ delivers an ESEER of up to 6.0* giving it a CLASS A energy efficiency rating with exceptional part-load efficiency, one of the highest in the market and so helping you save money
- › Further cost savings come from an impressive reduction in energy consumption compared to a traditional non-inverter chiller making this a great solution for retrofit projects

Comfort level

- › To deliver the perfect comfort solution, the system has an infinitely variable load regulation without pre-set steps
- › Highly accurate precision leaving water temperature control helps ensure optimal comfort as well as saving you money

Rapid payback

- › Why tie up your capital for long periods? 1-year payback time in typical process cooling application compared to a non-inverter unit thanks to top-efficiency

Compact design

- › The compact design of our EWAD-TZ means you get the equivalent cooling capacity of a non-inverter unit but with better efficiency and the same physical footprint leading to the optimal use of space

Extensive option list

- › Rapid restart after power failure
- › Variable speed water pumps
- › EC brushless condenser fans

Silent operations

- › Nothing is more disturbing to our comfort than the sound of machinery but the EWAD-TZ uses a compressor with a variable frequency that ensures it operates at the lowest possible sound levels

Green heart

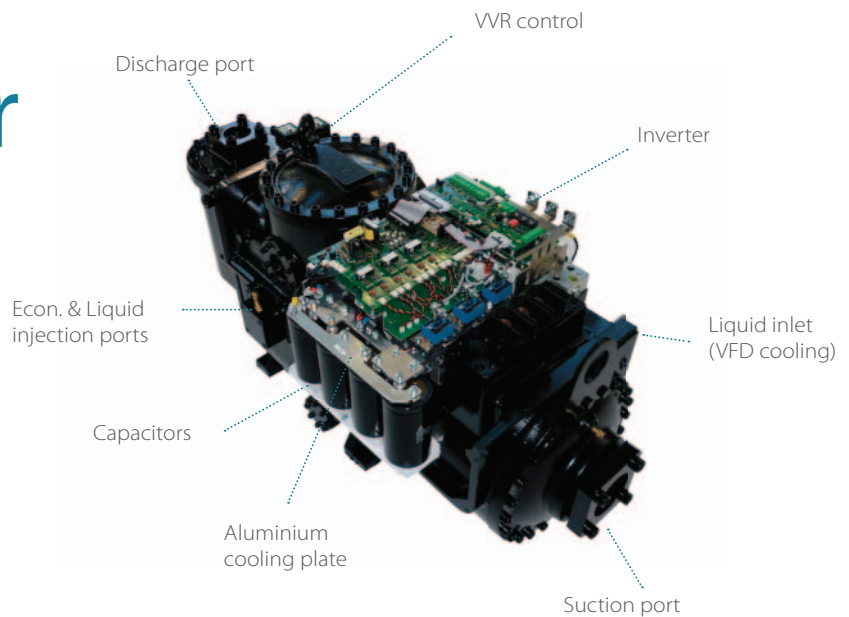
- › The EWAD-TZ helps you deliver a low ecological footprint by reducing energy demand without compromising on reliability and performance

* gross value; 5.8 in accordance with EN14511:2011





New inverter compressor technology



- ✓ Compressor and inverter fully designed by Daikin
- ✓ Inverter integral to the compressor body
- ✓ Inverter refrigerant cooled
- ✓ VVR = Variable Volume Ratio for optimized efficiency
- ✓ Enlarged discharge port and suction side for reduced refrigerant pressure drop
- ✓ New optimized compressor motors



EWAD-C-



MicroTech III

- > Stepless single-screw compressor
- > Large operation range (ambient temperature down to -18°C and up to 52°C)
- > All models are PED pressure vessel approved
- > Optimised for use with R-134a
- > 2-3 truly independent refrigerant circuits
- > Standard electronic expansion valve
- > DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- > Partial and total heat recovery option available
- > MicroTech III controller with superior control logic and easy interface

Cooling only

Standard efficiency Standard/low sound

EWAD-C-SS/SL				650	740	830	910	970	C11	C12	C13	H14	C15	C16	C17	C18	C19	C20											
Cooling capacity	Nom.			kW			645	741	829	908	962	1,059	1,146	1,315	1,412	1,532	1,615	1,706	1,797	1,870	1,917								
	Power input			Cooling			Nom.			kW			223	265	302	322	355	382	408	446	479	557	586	627	669	687	721		
Capacity control	Method			Stepless																									
	Minimum capacity			%																									
EER				2.89	2.80	2.74	2.82	2.71	2.77	2.81	2.95		2.75		2.72	2.69	2.72	2.66											
ESEER				3.79	3.69	3.72	3.65	3.60	3.69	3.63	3.88	3.86	3.72	3.68	3.58	3.67	3.68	3.64											
Dimensions	Unit			HeightxWidthxDepth			mm			2,540x2,285x6,185			2,540x2,285x7,985		2,540x2,285x8,885		2,540x2,285x11,085		2,540x2,285x11,985										
	Weight (SS)	Unit			kg			5,630	5,740	5,760	6,280	6,560	7,010	7,280	7,900		10,320	10,710	10,770	11,240	11,600								
Operation weight			kg			5,910	5,990	6,010	6,530	6,810	7,250	7,520	8,280		10,730	11,110	11,260	12,110	12,480										
Weight (SL)	Unit			kg			5,920	6,030	6,050	6,570	6,850	7,300	7,570	8,190		10,770	11,150	11,210	11,680	12,040									
	Operation weight			kg			6,200	6,280	6,300	6,820	7,100	7,540	7,810	8,570		11,170	11,550	11,700	12,560	12,920									
Water heat exchanger	Type			Single pass shell & tube																									
	Water volume			l			266			251			243		386		408		474		850								
	Nominal water flow			Cooling			l/s			30.9	35.5	39.7	43.5	46.1	50.8	55.0	62.9	67.6	73.4	77.4	81.8	86.0	89.5	91.7					
	Nominal water pressure drop			Cooling			Heat exchanger			kPa			47	54	53	62	69	64	74	54	58	62	68	75	36	39	40		
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler																									
Compressor	Type			asymmetric single screw compressor																									
	Quantity			2																									
Fan	Type			Direct propeller																									
	Quantity			10			12			14		16		18		20		22		24									
	Air flow rate			Nom.			l/s			53,442			64,131			74,819		85,508		96,196		96,196		106,885		117,573		128,262	
	Speed			rpm			900																						
Sound power level (SS)	Cooling			Nom.			dBA			100			101			102			103			104							
Sound power level (SL)	Cooling			Nom.			dBA			96			98			97		98			99		100		101				
Sound pressure level (SS)	Cooling			Nom.			dBA			79		80			81			82			82								
Sound pressure level (SL)	Cooling			Nom.			dBA			76			77			78			78										
Operation range	Water side			Cooling			Min.~Max.			°CDB			-8~15																
	Air side			Cooling			Min.~Max.			°CDB			-18~52																
Refrigerant	Type			R-134a																									
	Circuits			Quantity			2			3																			
Refrigerant circuit	Charge			kg			128			146		144		162		178		196		260		261		275		305			
Piping connections	Evaporator water inlet/outlet (OD)			168.3mm																									
Power supply	Phase/Frequency/Voltage			Hz/V																									
	3~/50/400																												



Cooling only

Standard efficiency Reduced sound

EWAD-C-SR				620	720	790	880	920	C10	C11	C12	H14	C13	C14	C15	C16	C17	C18	C19								
Cooling capacity	Nom.			kW			617	712	786	872	918	1,016	1,107	1,266	1,316	1,363	1,465	1,550	1,616	1,710	1,791	1,828					
	Power input	Cooling	Nom.	kW			226	276	317	334	373	398	422	461	500	522	582	609	654	706	722	762					
Capacity control	Method			Stepless																							
	Minimum capacity			%			13						7														
EER				2.74	2.59	2.48	2.61	2.46	2.55	2.63	2.74	2.63	2.61	2.52	2.54	2.47	2.42	2.48	2.40								
ESEER				3.91	3.78	3.81	3.79		3.76	3.74	3.92	3.81	3.76	3.70	3.71	3.64	3.68	3.70	3.64								
Dimensions	Unit	HeightxWidthxDepth		mm			2,540x2,285x6,185			2,540x2,285x7,085		2,540x2,285x7,985		2,540x2,285x8,885		2,540x2,285x10,185		2,540x2,285x11,085		2,540x2,285x11,985							
Weight	Unit			kg			5,920	6,030	6,050	6,570	6,850	7,300	7,570	8,190		10,750	10,770	11,150	11,210	11,680	12,040						
	Operation weight			kg			6,200	6,280	6,300	6,820	7,100	7,540	7,810	8,570		11,170	11,550	11,700	12,560	12,920							
Water heat exchanger	Type			Single pass shell & tube																							
	Water volume			l			266			251			243		386		421		408		474		850				
	Nominal water flow		Cooling	l/s			29.5	34.1	37.6	41.8	44.0	48.7	53.1	60.6	63.0	65.2	70.2	74.2	77.4	81.8	85.6	87.5					
	Nominal water pressure drop		Cooling	Heat exchanger		kPa			43	50	48	58	63	60	69	50	54	45	57	63	69	33	36	37			
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler																							
Compressor	Type			asymmetric single screw compressor																							
	Quantity			2						3																	
Fan	Type			Direct propeller																							
	Quantity			10			12			14		16		18		20		22		24							
	Air flow rate		Nom.	l/s			41,007			49,209			57,410		65,611		73,813		82,014		90,216		98,417				
	Speed			rpm			700																				
Sound power level	Cooling	Nom.		dBA			92			93			94			95			96								
Sound pressure level	Cooling	Nom.		dBA			71	72			73						74										
Operation range	Water side		Cooling	Min.~Max.		°CDB			-8~15																		
	Air side		Cooling	Min.~Max.		°CDB			-18~52																		
Refrigerant	Type			R-134a																							
	Circuits		Quantity			2						3															
Refrigerant circuit	Charge			kg			128			146		144		162		178		196		260		261		275		305	
Piping connections	Evaporator water inlet/outlet (OD)			168.3mm						219.1mm						273mm											
Power supply	Phase/Frequency/Voltage			Hz/V			3~/50/400																				



EWAD-C-



MicroTech III

- > Steplless single-screw compressor
- > Large operation range (ambient temperature down to -18°C and up to 52°C)
- > All models are PED pressure vessel approved
- > Optimised for use with R-134a
- > 2-3 truly independent refrigerant circuits
- > Standard electronic expansion valve
- > DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- > Partial and total heat recovery option available
- > MicroTech III controller with superior control logic and easy interface

Cooling only

High efficiency Standard/low sound

EWAD-C-XS/XL				760	830	890	990	C10	C11	C12	C13	H14	H15	C16	C17	C18	C19	C20	C21	C22													
Cooling capacity	Nom.			kW			752	827	885	997	1,069	1,192	1,276	1,343	1,408	1,517	1,590	1,678	1,760	1,849	1,896	1,948	2,002										
	Power input	Cooling			Nom.			kW			237	256	282	311	343	367	404	416	451	483	510	541	569	598	620	648	677						
Capacity control		Method			Steplless																												
	Minimum capacity			%																													
EER				3.17	3.22	3.14	3.20	3.12	3.25	3.15	3.23	3.13	3.14	3.12	3.10	3.09	3.06	3.01	2.96														
ESEER				3.77	3.91	3.81	3.91	3.83	3.98	3.86	4.05	4.04	4.05	3.97	3.94	3.92	3.90	3.98	3.89	3.86													
Dimensions	Unit			HeightxWidthxDepth			mm			2,540x2,285x1,185			2,540x2,285x1,185			2,540x2,285x1,185			2,540x2,285x1,185			2,540x2,285x1,4685											
	Weight (XS)	Unit			kg			5,990	6,340	6,360	7,190	7,470	8,220	8,240	8,900			11,570	11,900	12,260	12,600												
Operation weight			kg			6,240	6,580	6,600	7,600	7,870	8,610	8,630	9,890			12,430	12,760	13,140	13,470														
Weight (XL)	Unit			kg			6,280	6,630	6,650	7,480	7,760	8,510	8,530	9,190			12,010	12,350	12,700	13,040													
	Operation weight			kg			6,520	6,870	6,890	7,880	8,160	8,900	8,920	10,180			12,870	13,200	13,580	13,910													
Water heat exchanger	Type			Single pass shell & tube																													
	Water volume			l			251	243	403	386			979			850			871			850											
	Nominal water flow			Cooling			l/s			36.1	39.6	42.4	47.8	51.2	57.1	61.1	64.4	67.5	72.8	76.1	80.4	84.4	88.6	90.7	93.2	95.8							
	Nominal water pressure drop			Cooling			Heat exchanger			kPa			81	57	64	61	69	45	51	68	77	84	62	68	74	39	41	43					
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler																													
Compressor	Type			asymmetric single screw compressor																													
	Quantity			2																													
Fan	Type			Direct propeller																													
	Quantity			12			14			16			20			24			26			28			30								
	Air flow rate			Nom.			l/s			64,131			74,819			85,508			106,885			128,262			138,950			149,639			160,327		
	Speed			rpm			900																										
Sound power level (XS)	Cooling			Nom.			dBA			100			101			102			103			104											
	Sound power level (XL)			Cooling			Nom.			dBA			97			98			99			100											
Sound pressure level (XS)	Cooling			Nom.			dBA			80			81			80			81														
	Sound pressure level (XL)			Cooling			Nom.			dBA			76			77			78														
Operation range	Water side			Cooling			Min.~Max.			°CDB			-8~15																				
	Air side			Cooling			Min.~Max.			°CDB			-18~52																				
Refrigerant	Type			R-134a																													
	Circuits			Quantity			2			3																							
Refrigerant circuit	Charge			kg			146	162	182	214			225	248	297	312	328	343															
Piping connections	Evaporator water inlet/outlet (OD)			168.3mm			219.1mm			273mm																							
Power supply	Phase/Frequency/Voltage			Hz/V																													



Cooling only

High efficiency Reduced sound

EWAD-C-XR				740	810	870	970	C10	C11	C12	C13	H14	H15	C16	C17	C18	C19	C20	C21	C22					
Cooling capacity	Nom.		kW	732	808	862	970	1,036	1,164	1,243	1,297	1,361	1,461	1,544	1,632	1,715	1,805	1,849	1,897	1,947					
Power input	Cooling	Nom.	kW	238	257	285	313	348	369	409	420	461	498	518	548	574	604	629	663	695					
Capacity control	Method			Stepless																					
	Minimum capacity		%	13										7											
EER				3.07	3.15	3.03	3.10	2.98	3.16	3.04	3.09	2.95	2.93	2.98		2.99		2.94	2.86	2.80					
ESEER				4.00	4.14	4.01	4.12	4.01	4.21	4.07	4.10	4.12	4.06	3.99	4.00	3.97	4.05	3.96	3.93						
Dimensions	Unit	HeightxWidth xDepth	mm	2,540x2,285 x6,185	2,540x2,285 x7,085	2,540x2,285 x7,985	2,540x2,285 x9,785						2,540x2,285 x11,985	2,540x2,285 x12,885	2,540x2,285 x13,785	2,540x2,285 x14,685									
				Weight	Unit	kg	6,280	6,630	6,650	7,480	7,760	8,510	8,530	9,190		12,010	12,350	12,700	13,040						
Water heat exchanger	Operation weight		kg	6,520	6,870	6,890	7,880	8,160	8,900	8,920	10,180		12,870	13,200	13,580	13,910									
	Type	Single pass shell & tube																							
	Water volume		l	251	243	403	386			979			850	871	850										
Nominal water flow	Cooling		l/s	35.1	38.7	41.3	46.5	49.7	55.7	59.5	62.1	65.2	70.0	74.0	78.2	82.2	86.5	88.5	90.7	93.1					
		Nominal water pressure drop	Cooling	Heat exchanger	kPa	77	54	61	58	65	43	49	64	73	79	59	65	71	37	39	41				
Air heat exchanger	Type	High efficiency fin and tube type with integral subcooler																							
Compressor	Type	asymmetric single screw compressor																							
	Quantity	2										3													
Fan	Type	Direct propeller																							
	Quantity	12			14			16			20			24			26			28			30		
	Air flow rate	Nom.	l/s	49,209	57,410			65,611			82,014			98,417	106,619	114,820	123,021								
	Speed		rpm	700																					
Sound power level	Cooling	Nom.	dB(A)	92			94			95			96			97									
Sound pressure level	Cooling	Nom.	dB(A)	72			73			72			73			74									
Operation range	Water side	Cooling	Min.~Max.	°CDB																					
	Air side	Cooling	Min.~Max.	°CDB																					
Refrigerant	Type	R-134a																							
	Circuits	Quantity	2										3												
Refrigerant circuit	Charge		kg	146	162	182	214			225	248	297	312	328	343										
Piping connections	Evaporator water inlet/outlet (OD)			168.3mm			219.1mm			273mm															
Power supply	Phase/Frequency/Voltage			Hz/V																					
				3~/50/400																					



EWAD-CZ



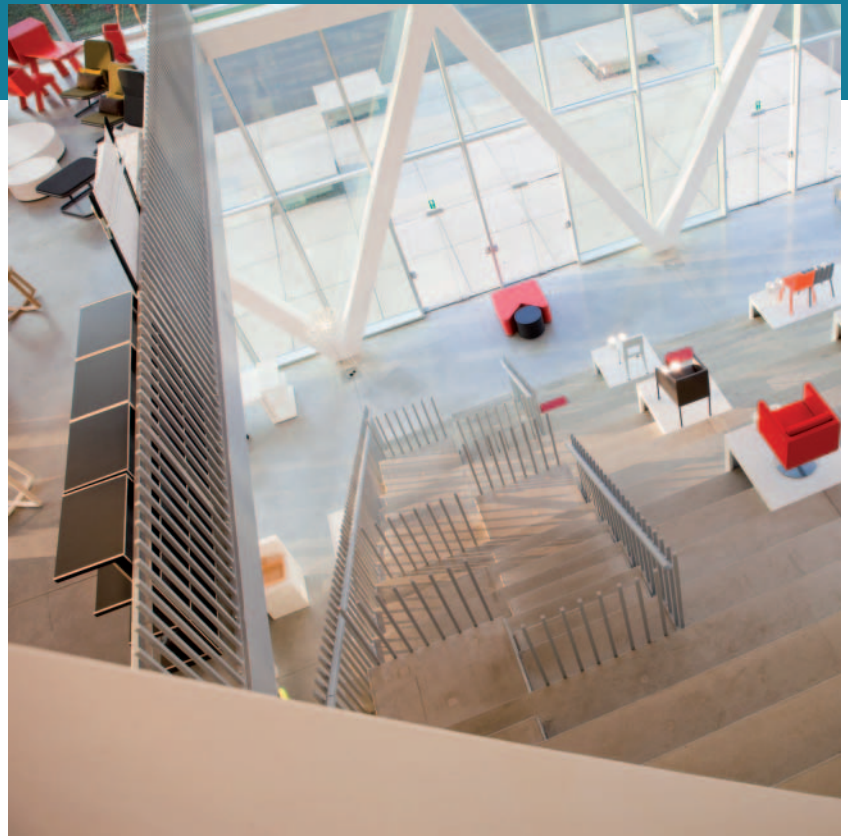
MicroTech III

- > Excellent part load efficiency
- > Stepless single-screw compressor
- > Large operation range (ambient temperature down to -18°C and up to 52°C)
- > All models are PED pressure vessel approved
- > Optimised for use with R-134a
- > 2 truly independent refrigerant circuits
- > Standard electronic expansion valve
- > DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- > Partial and total heat recovery option available
- > MicroTech III controller with superior control logic and easy interface

Cooling only

Premium efficiency Standard/low sound

EWAD-C-PS/PL				820	890	980	C11	C12	C13	C14	C15	C16		
Cooling capacity	Nom.			kW	818	886	973	1,070	1,153	1,274	1,384	1,467	1,553	
	Power input	Cooling	Nom.	kW	229	253	276	306	335	368	402	431	461	
Capacity control	Method			Stepless										
	Minimum capacity			%	13									
EER					3.57	3.51	3.52	3.49	3.44	3.46	3.44	3.40	3.37	
ESEER					4.22	4.24	4.28	4.29	4.14	4.22	4.08	4.07	4.02	
Dimensions	Unit	HeightxWidthxDepth		mm	2,540x2,285x8,885			2,540x2,285x9,785		2,540x2,285x11,085		2,540x2,285x11,985		
	Weight (PS)	Unit			kg	7,530		7,660		8,290		8,550		9,390
Operation weight				kg	8,130		8,700		9,330		9,590		10,380	
Weight (PL)	Unit			kg	7,820		7,950		8,580		8,840		10,380	
	Operation weight				kg	8,420		8,990		9,620		9,880		10,670
Water heat exchanger	Type			Single pass shell & tube										
	Water volume			l	599		1,043		1,027		995		979	
	Nominal water flow		Cooling	l/s	39.2	42.5	46.5	51.2	55.2	61.0	66.3	70.3	74.5	
	Nominal water pressure drop		Cooling	Heat exchanger	kPa	58	67	31	61	70	60	70	81	88
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler										
Compressor	Type			asymmetric single screw compressor										
	Quantity			2										
Fan	Type			Direct propeller										
	Quantity			18			20		22		24			
	Air flow rate		Nom.	l/s	96,196			106,885		117,573		128,262		
	Speed				rpm	900								
Sound power level (PS)	Cooling	Nom.		dBA	101			102		103		104		
Sound power level (PL)	Cooling	Nom.		dBA	98			99		100		100		
Sound pressure level (PS)	Cooling	Nom.		dBA	80			81		80		81		
Sound pressure level (PL)	Cooling	Nom.		dBA	77			77		77		78		
Operation range	Water side		Cooling	Min.~Max.	°CDB									
	Air side		Cooling	Min.~Max.	°CDB									
Refrigerant	Type			R-134a										
	Charge			kg	204	202	204	220	252	254				
	Circuits		Quantity		2									
Piping connections	Evaporator water inlet/outlet (OD)			219.1mm			273mm							
Power supply	Phase/Frequency/Voltage			Hz/V										
				3~/50/400										



Cooling only

Premium efficiency Reduced sound

EWAD-C-PR				810	880	960	C10	C11	C13	C14	C15	C16			
Cooling capacity	Nom.			kW											
	Cooling	Nom.		806	871	954	1,049	1,127	1,246	1,353	1,432	1,513			
Power input	Nom.			kW											
	Cooling	Nom.		222	248	275	303	335	369	402	432	465			
Capacity control	Method			Stepless											
	Minimum capacity			%											
EER				3.63	3.51	3.47	3.46	3.36	3.38	3.36	3.32	3.26			
ESEER				4.39	4.33	4.40	4.35	4.24	4.30	4.26	4.21	4.14			
Dimensions	Unit	HeightxWidthxDepth		mm											
				2,540x2,285x8,885			2,540x2,285x9,785			2,540x2,285x11,085			2,540x2,285x11,985		
Weight	Unit			kg											
	Operation weight			7,820			7,950			8,580			8,840		
Water heat exchanger	Type			Single pass shell & tube											
	Water volume			599			1,043			1,027			995		
	Nominal water flow			38.6			41.7			50.2			54.0		
	Nominal water pressure drop			56			65			30			59		
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler											
Compressor	Type			asymmetric single screw compressor											
	Quantity			2											
Fan	Type			Direct propeller											
	Quantity			18			20			22			24		
	Air flow rate			73,813			82,014			90,216			98,417		
	Speed			rpm											
Sound power level	Cooling	Nom.		93				94				95			
Sound pressure level	Cooling	Nom.		71				72				73			
Operation range	Water side			Cooling			Min.~Max.			°CDB			-8~15		
	Air side			Cooling			Min.~Max.			°CDB			-18~52		
Refrigerant	Type			R-134a											
	Quantity			2											
Refrigerant circuit	Charge			204			202			204			220		
Piping connections	Evaporator water inlet/outlet (OD)			219.1mm				273mm							
Power supply	Phase/Frequency/Voltage			Hz/V											
				3~/50/400											



EWAD-CZ



MicroTech III



- > High efficiency with leader-of-class ESEER
- > Inverter stepless single-screw compressor
- > Highly efficient fans with patented blade profile for quiet operation
- > Extensive option list (heat recovery option available)
- > Wide operating range
- > Low starting current
- > Optimised for use with R-134a
- > MicroTech III controller with superior control logic and easy interface

Cooling only High efficiency Standard/low sound

EWAD-CZXS/XL				670	740	830	900	C10	C11	C12	C13	C14	C15	C16	C17	C18					
Cooling capacity	Nom.	kW		668	734	828	898	1,033	1,090	1,232	1,303	1,444	1,538	1,616	1,701	1,795					
Power input	Cooling	Nom.	kW		249	239	269	309	343	380	404	447	494	538	564	596	619				
	Capacity control	Method	Stepless																		
Capacity control	Minimum capacity			20										13							
				%																	
EER				2.68	3.07		2.90	3.01	2.87	3.05	2.92	2.93	2.86		2.85	2.90					
ESEER				4.64	4.72	4.89	4.88	4.91	4.70		4.51	4.73	4.83	4.73	4.72	4.57					
Dimensions	Unit	HeightxWidth xDepth	mm	2,540x2,285 x6,825		2,540x2,285 x7,725		2,540x2,285 x8,625		2,540x2,285 x10,425		2,540x2,285 x11,725	2,540x2,285 x12,625		2,540x2,285 x13,525	2,540x2,285 x14,425					
	Weight (XS)	Unit	kg	5,880	6,000	6,620	6,870	7,440	8,570	8,970	9,600	9,940	11,370	12,190	12,920						
Weight (XL)	Operation weight			kg	6,140	6,250	6,860	7,110	7,880	8,960	9,360	9,980	10,320	12,220	13,040	13,790					
	Operation weight			kg	6,170	6,280	6,900	7,150	7,720	8,850	9,250	9,880	10,220	11,790	12,610	13,340					
Water heat exchanger	Type	Single pass shell & tube																			
	Water volume			l	263	248	241	441	383		374		850		871						
	Nominal water flow	Cooling			l/s	32.0	35.2	39.7	43.0	49.5	52.3	59.0	62.4	69.2	73.7	77.4	81.5	86.0			
	Nominal water pressure drop	Cooling	Heat exchanger			kPa	87	83	58	65	63	70	47	52	62	72	63	69	65		
Air heat exchanger	Type	High efficiency fin and tube type with integral subcooler																			
Compressor	Type	asymmetric single screw compressor																			
	Quantity	2										3									
Fan	Type	Direct propeller																			
	Quantity			10	12	14		16		20		22	24		26	28					
	Air flow rate	Nom.			l/s	54,188	65,025	75,863		86,700		108,376		119,213	130,051	129,454	140,143	151,129			
Fan motor	Speed	Cooling	Nom.			rpm	900														
Sound power level (XS)	Cooling	Nom.			dB(A)	102		103			104			106							
Sound power level (XL)	Cooling	Nom.			dB(A)	99		100			101			103							
Sound pressure level (XS)	Cooling	Nom.			dB(A)	81										83					
Sound pressure level (XL)	Cooling	Nom.			dB(A)	78										80					
Operation range	Water side	Cooling	Min.~Max.			°CDB		-8~15													
	Air side	Cooling	Min.~Max.			°CDB		-18~50													
Refrigerant	Type	R-134a																			
	Circuits	Quantity	2										3								
Refrigerant circuit	Charge			kg	141	161	178		200		235		275	320	327	343	361				
Piping connections	Evaporator water inlet/outlet (OD)	168.3mm						219.1mm						273mm							
Power supply	Phase/Frequency/Voltage																				



Cooling only

High efficiency Reduced sound

EWAD-CZXR				640	700	790	850	980	C10	C11	C12	C13	C14	C15	C16	C17			
Cooling capacity	Nom.		kW	631	696	786	849	972	1,027	1,166	1,231	1,327	1,437	1,539	1,624	1,706			
Power input	Cooling	Nom.	kW	264	246	274	318	351	393	412	459	493	523	585	617	638			
Capacity control	Method			Stepless															
	Minimum capacity		%	20											13				
EER				2.40	2.83	2.86	2.67	2.77	2.61	2.83	2.68	2.69	2.75	2.63		2.67			
ESEER				5.04	5.23	5.39	5.36	5.41	5.11	5.15	4.80	5.12	5.22	5.18	4.98	4.88			
Dimensions	Unit	HeightxWidth xDepth	mm	2,540x2,285 x6,825		2,540x2,285 x7,725		2,540x2,285 x8,625		2,540x2,285 x10,425		2,540x2,285 x11,725		2,540x2,285 x12,625		2,540x2,285 x13,525		2,540x2,285 x14,425	
	Weight	Unit	kg	6,170	6,470	7,100	7,360	7,950		9,120	9,530	10,180	10,530	12,150	12,990	13,740			
Water heat exchanger	Type			Single pass shell & tube															
	Water volume		l	263	248	241		441		383		374		850		871			
	Nominal water flow	Cooling	l/s	30.3	33.4	37.6	40.7	46.6	49.2	55.8	58.9	63.6	68.8	73.7	77.8	81.7			
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler															
	Nominal water pressure drop		Cooling	Heat exchanger	kPa	79	76	54	59	58	64	43	48	57	66	57	63	60	
Compressor	Type			asymmetric single screw compressor															
Fan	Quantity			2											3				
	Type			Direct propeller															
Fan motor	Quantity			10	12	14		16		20		22		24		26	28		
	Air flow rate	Nom.	l/s	41,536	49,843	58,151		66,458		83,072		91,379		99,687		107,994	116,301		
Sound power level	Cooling	Nom.	dB(A)	95		96			97			99							
Sound pressure level	Cooling	Nom.	dB(A)	74												76			
Operation range	Water side	Cooling	Min.~Max.	°CDB															
	Air side	Cooling	Min.~Max.	°CDB															
Refrigerant	Type			R-134a															
	Quantity			2											3				
Refrigerant circuit	Charge		kg	141	161	178		200		235		275	320	327	343	361			
Piping connections	Evaporator water inlet/outlet (OD)			168.3mm				219.1mm				273mm							
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400															



EWAD-CF



MicroTech III

- › Free cooling chiller for space cooling and industrial processes
- › 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

High efficiency Standard/low sound

EWAD-CFXS/XL				640	770	850	900	C10	C11	C12	C13	C14	C15	C16					
Cooling capacity	Nom.	kW		640 (1) / 295 (2)	772 (1) / 365 (2)	852 (1) / 413 (2)	902 (1) / 434 (2)	1,027 (1) / 502 (2)	1,089 (1) / 524 (2)	1,269 (1) / 594 (2)	1,349 (1) / 652 (2)	1,435 (1) / 663 (2)	1,493 (1) / 659 (2)	1,555 (1) / 722 (2)					
Mechanical capacity			kW	345 (2)	407 (2)	439 (2)	468 (2)	524 (2)	565 (2)	675 (2)	697 (2)	772 (2)	834 (2)						
Power input	Cooling	Nom.	kW		257 (1) / 74.3 (2)	272 (1) / 87.9 (2)	293 (1) / 90.7 (2)	324 (1) / 99.8 (2)	360 (1) / 109 (2)	399 (1) / 118 (2)	397 (1) / 131 (2)	439 (1) / 143 (2)	454 (1) / 152 (2)	492 (1) / 160 (2)	530 (1) / 170 (2)				
Capacity control	Method	Stepless																	
	Minimum capacity			12.5															
EER					2.49 (1) / 8.62 (2)	2.84 (1) / 8.78 (2)	2.90 (1) / 9.4 (2)	2.78 (1) / 9.04 (2)	2.85 (1) / 9.43 (2)	2.73 (1) / 9.19 (2)	3.19 (1) / 9.67 (2)	3.08 (1) / 9.45 (2)	3.16 (1) / 9.42 (2)	3.04 (1) / 9.33 (2)	2.93 (1) / 9.16 (2)				
ESEER					3.44	3.52	3.78	3.50	3.74	3.54	3.88	3.78	4.01	3.95	3.85				
Dimensions	Unit	HeightxWidthxDepth	mm		2,565x2,480x6,185	2,565x2,480x7,085	2,565x2,480x7,985		2,565x2,480x8,885		2,565x2,480x10,685								
Weight (XS)	Unit			kg	7,760	8,340	8,900		10,160		11,900		12,540		12,620	12,670			
	Operation weight			kg	8,040	8,580	9,140		10,560		12,290		13,530		13,610	13,660			
Weight (XL)	Unit			kg	8,050	8,620	9,190		10,450		12,190		12,830		12,910	12,960			
	Operation weight			kg	8,320	8,870	9,430		10,850		11,110		12,580		13,820	13,900	13,950		
Water heat exchanger	Type	Single pass shell & tube																	
	Water volume			l	266	251	243		403		386		979						
	Nominal water flow	Cooling	l/s		27.8	33.5	37.0		39.2		44.6		47.3		55.1	58.6	62.4	64.9	67.6
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	85 / 128 (2)	105 / 172 (2)	90 / 178 (2)	101 / 198 (2)	111 / 245 (2)	124 / 272 (2)	98 / 232 (2)	110 / 259 (2)	139 / 305 (2)	150 / 328 (2)	162 / 354 (2)				
Air heat exchanger	Type	High efficiency fin and tube type with integral subcooler																	
Compressor	Type	Asymm single screw																	
	Quantity	2																	
Fan	Type	Direct propeller																	
	Quantity				10	12	14		16		20								
	Air flow rate	Nom.	l/s		50,367	60,440	70,513		80,587		95,253								
	Speed			rpm	920														
Sound power level (XS)	Cooling	Nom.	dBA		99.5	100.2	100.5		101.4	101.9	102.4	102.5							
Sound power level (XL)	Cooling	Nom.	dBA		96.0	96.8	97.4		98.0	98.2	98.8	98.9							
Sound pressure level (XS)	Cooling	Nom.	dBA		79.0 (1)	79.7 (1)		80.2 (1)	80.7 (1)	80.3 (1)	80.4 (1)								
Sound pressure level (XL)	Cooling	Nom.	dBA		75.5 (1)	76.3 (1)	76.5 (1)		76.9 (1)	77.1 (1)	76.7 (1)	76.8 (1)							
Operation range	Water side	Cooling	Min.~Max.	°CDB															
	Air side	Cooling	Min.~Max.	°CDB	-8~15														
Refrigerant	Type	R-134a																	
	Charge			kg	128	146	162		182		214		225	248					
	Circuits			Quantity	2														
Piping connections	Evaporator water inlet/outlet (OD)	DN150PN16(168.3mm)					DN200PN16(219.1mm)					DN250PN16(273mm)							
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400														
Air temperature for free cooling 100%			°C	-0.8	-0.1	1.2	0.4	0.9	0.1	2.9	2.1	1.3	0.7	0.1					

(1) Cooling: evaporator 16/10°C, ambient 35°C, unit at full load operation; standard: ISO3744 (2) Data is calculated at ambient air temperature 5°C, inlet water temperature 16°C



Cooling only

High efficiency Reduced sound

EWAD-CFXR			600	740	820	870	980	C10	C11	C12	C13	C14	C15						
Cooling capacity	Nom.		kW		602 (1) / 270 (2)	739 (1) / 334 (2)	821 (1) / 379 (2)	866 (1) / 409 (2)	981 (1) / 459 (2)	1,034 (1) / 492 (2)	1,229 (1) / 562 (2)	1,302 (1) / 598 (2)	1,374 (1) / 619 (2)	1,424 (1) / 640 (2)	1,476 (1) / 668 (2)				
Mechanical capacity			kW		332 (2)	405 (2)	442 (2)	457 (2)	523 (2)	542 (2)	667 (2)	704 (2)	756 (2)	784 (2)	809 (2)				
Power input	Cooling	Nom.	kW		263 (1) / 70.3 (2)	278 (1) / 84.3 (2)	299 (1) / 88.4 (2)	334 (1) / 95.9 (2)	368 (1) / 106 (2)	412 (1) / 112 (2)	403 (1) / 127 (2)	450 (1) / 141 (2)	466 (1) / 146 (2)	511 (1) / 154 (2)	556 (1) / 161 (2)				
Capacity control	Method		Stepless																
	Minimum capacity		%																
EER					2.29 (1) / 8.56 (2)	2.66 (1) / 8.77 (2)	2.75 (1) / 9.29 (2)	2.59 (1) / 9.03 (2)	2.67 (1) / 9.27 (2)	2.51 (1) / 9.21 (2)	3.05 (1) / 9.67 (2)	2.90 (1) / 9.22 (2)	2.95 (1) / 9.4 (2)	2.79 (1) / 9.26 (2)	2.66 (1) / 9.15 (2)				
ESEER					3.59	3.66	3.89	3.62	3.83	3.63	4.13	3.89	4.09	4.02	3.92				
Dimensions	Unit	HeightxWidthxDepth	mm		2,565x2,480x6,185	2,565x2,480x7,085	2,565x2,480x7,985		2,565x2,480x8,885		2,565x2,480x10,685								
Weight	Unit			kg	8,050	8,620	9,190		10,450		10,710		12,190	12,830	12,910	12,960			
	Operation weight		kg		8,320	8,870	9,430		10,850		11,110		12,580	13,820	13,900	13,950			
Water heat exchanger	Type		Single pass shell & tube																
	Water volume		l		266	251	243		403		386		979						
	Nominal water flow	Cooling	l/s		26.2	32.1	35.7		37.6		42.6		44.9		53.4	56.6	59.7	61.9	64.1
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	76 / 115 (2)	97 / 159 (2)	84 / 167 (2)	93 / 184 (2)	102 / 225 (2)	113 / 248 (2)	92 / 219 (2)	103 / 243 (2)	128 / 282 (2)	137 / 301 (2)	146 / 321 (2)				
Air heat exchanger	Type		High efficiency fin and tube type with integral subcooler																
Compressor	Type		Asymm single screw																
	Quantity		2																
Fan	Type		Direct propeller																
	Quantity		10		12		14		16		20								
	Air flow rate	Nom.	l/s		38,934	46,721	54,508		62,294		73,010								
	Speed		rpm																
			715																
Sound power level	Cooling	Nom.	dBA		91.5	92.0	92.3		93.5		93.7		94.3	94.5	94.6				
Sound pressure level	Cooling	Nom.	dBA		71.0 (1)	71.5 (1)		72.3 (1)		72.5 (1)		72.2 (1)		72.3 (1)		72.5 (1)			
Operation range	Water side	Cooling	Min.~Max.	°CDB	-8~15														
	Air side	Cooling	Min.~Max.	°CDB	-20~45														
Refrigerant	Type		R-134a																
	Charge		kg		128	146	162		182		214		225		248				
	Circuits		Quantity		2														
Piping connections	Evaporator water inlet/outlet (OD)		DN150PN16(168.3mm)				DN200PN16(219.1mm)				DN250PN16(273mm)								
Power supply	Phase/Frequency/Voltage		Hz/V		3~/50/400														
Air temperature for free cooling 100%			°C		-2.3	-1.9	-0.6	-1.5	-0.9	-1.7	0.7	-0.2	-1.1	-1.6	-2.3				

(1) Cooling: evaporator 16/10°C, ambient 35°C, unit at full load operation: standard: ISO3744 (2) Data is calculated at ambient air temperature 5°C, inlet water temperature 16°C



EWYQ-ADWP/ACV3/ACW1



Digital controller



- > Wide operating range
- > Low operating sound level
- > Easy 'plug and play' installation
- > Daikin scroll compressor
- > Integrated hydronics
- > Three phase power supply and main switch included

Heating & Cooling

EWYQ-ADVP/ACV3/ACW1				EWYQ005ADVP	EWYQ006ADVP	EWYQ007ADVP	EWYQ009ACV3	EWYQ010ACV3	EWYQ011ACV3	EWYQ009ACW1	EWYQ011ACW1	EWYQ013ACW1																		
Cooling capacity	Nom.			kW			5.2 (1)	6.0 (1)	7.1 (1)	12.2 (1) / 8.6 (2)	13.6 (1) / 9.6 (2)	15.7 (1) / 11.1 (2)	12.9 (1) / 9.1 (2)	15.7 (1) / 11.1 (2)	17.0 (1) / 13.3 (2)															
Heating capacity	Nom.			kW			6.1 (1) / 5.65 (2)	6.8 (1) / 6.35 (2)	8.2 (1) / 7.75 (2)	10.2 (1) / 9.9 (2)	11.7 (1) / 11.4 (2)	13.8 (1) / 12.9 (2)	11.2 (1) / 10.9 (2)	13.2 (1) / 12.4 (2)	14.8 (1) / 13.9 (2)															
Power input	Cooling	Nom.		kW			1.89 (1)	2.35 (1)	2.95 (1)	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			1.60 (1) / 1.97 (2)	1.84 (1) / 2.24 (2)	2.36 (1) / 2.83 (2)	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							2.75 (1)	2.55 (1)	2.41 (1)	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							-																							
COP							3.81 (1) / 2.87 (2)	3.70 (1) / 2.83 (2)	3.47 (1) / 2.74 (2)	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)															
Dimensions	Unit	HeightxWidthxDepth		mm			805x1,190x360																							
Weight	Unit			kg			100																							
	Operation weight			kg			104																							
Water heat exchanger	Type			Braze plate																										
	Water volume			l						1.01																				
	Nominal water flow	Cooling	Nom.		l/min			14.9	17.2	20.4	24.7 (2)	27.6 (2)	31.9 (2)	26.1 (2)	31.9 (2)	38.2 (2)														
Heating			Nom.		l/min			17.5	19.5	23.5	28.3 (2)	32.6 (2)	36.9 (2)	31.2 (2)	35.5 (2)	39.8 (2)														
	Air heat exchanger	Type			Tube type						Hi-XSS (8)																			
Hydraulic components	Expansion vessel		Volume		l			6																						
	Compressor			Type			Hermetically sealed swing compressor						Hermetically sealed scroll compressor																	
Fan	Quantity			1						1																				
	Type			Propeller fan						2																				
	Air flow rate	Cooling	Nom.		m ³ /min			-																						
Heating			Nom.		m ³ /min			96						100						97						-				
	Fan motor	Speed	Cooling	Nom.		rpm			-						780															
Heating				Nom.		rpm			-						760															
			Steps			-						8																		
Sound power level	Cooling	Nom.		dBA			62						63						64 (2)						66 (2)					
		Heating	Nom.		dBA			-						-						64 (2)										
Sound pressure level	Cooling		Nom.		dBA			48						50						51 (2)						52 (2)				
		Heating	Nom.		dBA			48						49						51 (2)										
	Night quiet mode		Cooling	Nom.		dBA			-						45						46									
		Heating		Nom.		dBA			-						42						43									
Operation range	Water side		Cooling	Min.-Max.		°CDB			5~20						5~22															
		Heating		Min.-Max.		°CDB			25~50						25~50															
	Air side		Cooling	Min.-Max.		°CDB			10~43						10~46															
		Heating		Min.-Max.		°CDB			-15~25						-15~35															
Refrigerant	Type			R-410A																										
	Charge			kg			1.7						2.95																	
	Control			Inverter						Electronic expansion valve																				
	Circuits		Quantity		1																									
Water circuit	Piping connections diameter		inch			-						G 5/4" (female)																		
	Piping		inch			-						5/4"																		
Piping connections	Water heat exchanger inlet / outlet			1" MBSP						-																				
	Water heat exchanger drain			5/16 SAE flare						-																				
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)



EUWY(N-P-B)-KBZW1



µC²SE

- > Daikin scroll compressor
- > Reduced installation time thanks to integrated pump and/or buffer tank
- > Possibility for a 200l buffer tank
- > Low operating sound level
- > Easy maintenance
- > Main switch
- > Water flow switch
- > 3 different design options available:
 - EUWYN chiller without integrated hydraulic module;
 - EUWYP chiller with integrated hydraulic module (pump, expansion vessel, hydraulic components);
 - EUWYB chiller with integrated hydraulic module (buffertank, pump, expansion vessel, hydraulic components)



Heating & Cooling

EUWY-KBZW1				N5	P5	B5	N8	P8	B8	N10	P10	B10	N12	P12	B12	N16	P16	B16	N20	P20	B20	N24	P24	B24
Cooling capacity	Nom.			kW																				
Heating capacity	Nom.			kW																				
Power input	Cooling	Nom.	kW																					
	Heating	Nom.	kW																					
Capacity steps			%										%											
EER																								
COP																								
Dimensions	Unit	HeightxWidthxDepth	mm										mm											
Weight	Unit			kg										kg										
	Operation weight			kg										kg										
Water heat exchanger	Type			Braze plate																				
	Water volume			l																				
	Nominal water flow	Cooling			l/min																			
		Heating			l/min																			
	Nominal water pressure drop	Cooling	Heat exchanger	kPa																				
Heating		Heat exchanger	kPa																					
Air heat exchanger	Type			Cross fin coil/Hi-X tubes and PE coated waffle louvre fins																				
Pump	Nominal ESP unit	Cooling	kPa																					
Hydraulic components	Expansion vessel	Volume	l																					
Compressor	Type			Hermetically sealed scroll compressor																				
	Quantity			1										2										
Fan	Type			Axial																				
	Quantity			2										4										
Fan group	Air flow rate	Cooling	Nom.	m ³ /min																				
Sound power level	Cooling			dB(A)																				
	Nom.																							
Operation range	Water side	Cooling	Min.-Max.	°CDB																				
		Heating	Min.-Max.	°CDB																				
	Air side	Cooling	Min.-Max.	°CDB																				
		Heating	Min.-Max.	°CDB																				
Refrigerant	Type			R-407C																				
	Control			Thermostatic expansion valve																				
Refrigerant circuit	Circuits	Quantity																						
	Charge			kg																				
Water circuit	Piping connections diameter			inch																				
	Piping			inch																				
Power supply	Phase/Frequency/Voltage			Hz/V																				



EWYQ-BAWN/BAWP



BRC21A52



- > High efficiency with leader-of-class ESEER
- > Minimal starting currents and short payback times
- > No buffer tank required for standard applications
- > Daikin scroll compressor
- > Large operation range (ambient temperature up to 43°C)
- > EWYQ-BAWN: naked version
- > EWYQ-BAWP: version with pump



Heating & Cooling

EWYQ-BAWN/BAWP					016	021	025	032	040	050	064	
Cooling capacity	Nom.		kW		17.4 (1) / 16.6 (2)	21.7 (1) / 20.7 (2)	25.8 (1) / 24.7 (2)	32.3 (1) / 30.9 (2)	43.4 (1) / 41.5 (2)	51.8 (1) / 49.7 (2)	64.5 (1) / 62.3 (2)	
Heating capacity	Nom.		kW		16.2 (1) / 17.0 (2)	20.3 (1) / 21.3 (2)	24.6 (1) / 25.7 (2)	30.7 (1) / 32.1 (2)	40.6 (1) / 42.5 (2)	49.0 (1) / 51.1 (2)	61.5 (1) / 63.7 (2)	
Power input	Cooling	Nom.		kW		5.60 (1) / 5.80 (2)	7.25 (1) / 7.59 (2)	9.29 (1) / 9.74 (2)	13.0 (1) / 13.5 (2)	14.7 (1) / 15.4 (2)	18.8 (1) / 19.7 (2)	26.4 (1) / 27.4 (2)
	Heating	Nom.		kW		5.53 (1) / 5.73 (2)	7.10 (1) / 7.44 (2)	8.91 (1) / 9.36 (2)	10.6 (1) / 11.1 (2)	14.0 (1) / 14.7 (2)	17.6 (1) / 18.5 (2)	20.7 (1) / 21.7 (2)
Capacity control	Method		Inverter controlled									
	Minimum capacity		%		25							
EER					3.11 (1) / 2.86 (2)	2.99 (1) / 2.73 (2)	2.78 (1) / 2.54 (2)	2.48 (1) / 2.29 (2)	2.95 (1) / 2.69 (2)	2.76 (1) / 2.52 (2)	2.44 (1) / 2.27 (2)	
ESEER					4.33 (1) / 4.21 (2)	4.08 (1) / 4.18 (2)	3.85 (1) / 4.04 (2)	3.39 (1) / 3.62 (2)	4.19 (1) / 4.24 (2)	3.96 (1) / 4.12 (2)	3.64 (1) / 3.78 (2)	
COP					2.93 (1) / 2.97 (2)	2.86 (1) / 2.86 (2)	2.76 (1) / 2.75 (2)	2.90 (1) / 2.89 (2)		2.78 (1) / 2.76 (2)	2.97 (1) / 2.94 (2)	
Dimensions	Unit	HeightxWidthxDepth		mm		1,684x1,371x774		1,684x1,684x774	1,684x2,358x780		1,684x2,980x780	
	Weight	Unit		kg		264	317	397	571		730	
Water heat exchanger	Operation weight		kg		267	320	401	577		738		
	Type	Braze plate										
Air heat exchanger	Water volume		l		1.9		2.9	3.8		5.7		
	Nominal water flow	Cooling	l/min		50	62	93	124	148	185		
		Heating	l/min		46	58	88	116	140	176		
	Nominal water pressure drop		Cooling	Total	kPa		20	30		42	30	
Air heat exchanger	Type		Hi-XSS									
Compressor	Type		Hermetically sealed scroll compressor									
	Quantity		1		2	3	4	6				
Fan	Type		Axial									
	Quantity		1		2	4	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		80	81		83	
Operation range	Water side	Cooling	Min.~Max.		°CDB		5~20					
		Heating	Min.~Max.		°CDB		25~50					
	Air side	Cooling	Min.~Max.		°CDB		-5~43					
		Heating	Min.~Max.		°CDB		-15~35					
Refrigerant	Type		R-410A									
	Charge		kg		7.6		9.6	15.2		19.2		
	Control		Electronic expansion valve									
Water circuit	Circuits		Quantity		1							
	Piping connections diameter		inch		1-1/4" (female)		2" (female)					
Power supply	Piping		inch		1-1/4"		1-1/2"					
	Phase/Frequency/Voltage		Hz/V		3N~/50/400							

(1) EWYQ-BAWN: Naked version (2) EWYQ-BAWP: Version with pump

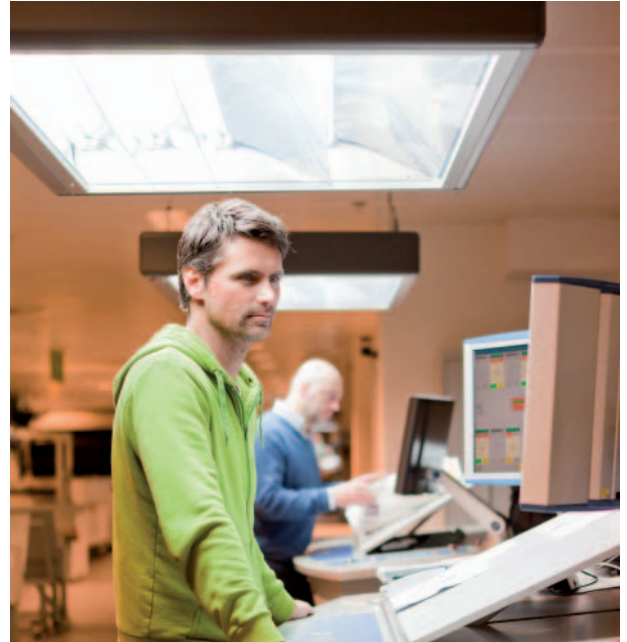


EWYQ-DAYN



PCASO

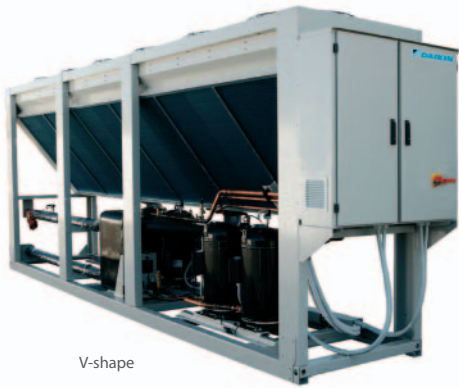
- > Optimised for use with R-410A
- > Reliable and efficient scroll compressors with high EER values
- > Anti-corrosion treated aluminium coils
- > Low operating sound level
- > Easy 'plug and play' installation
- > Unit dimensions allow easy transportation
- > Fans protected against abnormal operation
- > Safety valves in each circuit
- > Electronic circuit breakers
- > Electronic expansion valve
- > True dual plate brazed plate heat exchanger
- > Sight glass
- > All hydraulics can be accessed easily from 3 sides (no surrounding cabinet)
- > Separate switchbox for easy access
- > Compressors and controls at unit side
- > Non hermetic filter/dryer
- > Daikin PCASO controller with user friendly LCD interface



Heating & Cooling

EWYQ-DAYN				080	100	130	150	180	210	230	250		
Cooling capacity	Nom.			kW	76.6 (1) / 78.1 (2)	100 (1) / 101 (2)	135 (1) / 138 (2)	144 (1) / 147 (2)	182 (1) / 185 (2)	210 (1) / 213 (2)	229 (1) / 233 (2)	251 (1) / 254 (2)	
	Nom.			kW	88.2 (1) / 86.5 (2)	115 (1) / 113 (2)	150 (1) / 148 (2)	166 (1) / 163 (2)	200 (1) / 197 (2)	227 (1) / 223 (2)	260 (1) / 256 (2)	283 (1) / 279 (2)	
Power input	Cooling	Nom.		kW	26.8 (1) / 27.5 (2)	36.7 (1) / 37.1 (2)	48.4 (1) / 49.0 (2)	56.5 (1) / 57.1 (2)	64.8 (1) / 65.7 (2)	76.5 (1) / 77.2 (2)	83.6 (1) / 83.8 (2)	95.1 (1) / 95.1 (2)	
	Heating	Nom.		kW	30.5 (1) / 31.0 (2)	38.7 (1) / 39.1 (2)	50.5 (1) / 51.1 (2)	59.8 (1) / 60.2 (2)	69.2 (1) / 69.9 (2)	78.5 (1) / 79.1 (2)	85.9 (1) / 86.0 (2)	98.6 (1) / 98.5 (2)	
Capacity steps				%	0-50-100		0-25-50-75-100		21/29-43/50/57-71/79-100		22/28-44/50/56-72/78-100		
EER					2.86 (1) / 2.84 (2)	2.72 (1) / 2.72 (2)	2.79 (1) / 2.82 (2)	2.55 (1) / 2.57 (2)	2.81 (1) / 2.82 (2)	2.75 (1) / 2.76 (2)	2.74 (1) / 2.78 (2)	2.64 (1) / 2.67 (2)	
ESEER					3.84 (1) / 3.76 (2)	3.68 (1) / 3.68 (2)	4.03 (1) / 3.99 (2)	3.84 (1) / 3.84 (2)	4.06 (1) / 4.02 (2)	3.94 (1) / 3.96 (2)	3.93 (1) / 4.04 (2)	3.76 (1) / 3.87 (2)	
COP					2.89 (1) / 2.79 (2)	2.97 (1) / 2.89 (2)	2.97 (1) / 2.90 (2)	2.78 (1) / 2.71 (2)	2.89 (1) / 2.82 (2)		3.03 (1) / 2.98 (2)		
Dimensions	Unit	HeightxWidthxDepth		mm	2,311x2,000x2,566		2,311x2,000x2,631		2,311x2,000x3,081		2,311x2,000x4,850		
Weight	Unit			kg	1,400	1,450	1,550	1,600	1,850	1,900	3,200	3,300	
	Operation weight			kg	1,415	1,465	1,567	1,619	1,875	1,927	3,239	3,342	
Water heat exchanger	Type			Brazen plate, one per unit									
	Nominal water flow	Cooling	l/min		221	287	390	416	525	605	662	722	
		Heating	l/min		251	327	427	473	570	645	740	806	
	Nominal water pressure drop	Cooling	Total	kPa	36		43	38	41	44	39	38	
Heating		Total	kPa	47	46	51	49	48	50	48	46		
Air heat exchanger	Type			Cross fin coil/Hi-Xss tubes and poly ethylene coated waffle fins									
Compressor	Type			Scroll compressor									
	Quantity			2		4		2		4		2	
Compressor 2	Quantity			-		-		2		-		2	
Fan	Quantity			4		6		8					
	Air flow rate	Nom.		m ³ /min	780	800	860	1,290		1,600			
	Speed			rpm	880	900	970		900				
Sound power level	Cooling	Nom.		dBA	86	88	89	90		91			
Operation range	Water side	Cooling	Min.~Max.	°CDB	-10~25								
		Heating	Min.~Max.	°CDB	25~50								
	Air side	Cooling	Min.~Max.	°CDB	-15~43								
		Heating	Min.~Max.	°CDB	-10~21								
Refrigerant	Type			R-410A									
	Control			Electronic expansion valve									
	Circuits	Quantity		1		2		2					
Refrigerant circuit	Charge			kg	33	37	23	26	32		43		
Refrigerant circuit 2	Charge			kg	-		23	26	32		43		
Piping connections	Water heat exchanger inlet / outlet			3" OD									
	Water heat exchanger drain			1/2"G									
Power supply	Phase/Frequency/Voltage			Hz/V 3~/50/400									

(1) For -N models (standard) (2) For -P models (with optional pump / + OPSP) and for -B models (with optional pump and buffertank / + OPSP + OPBT)



V-shape

EWYQ-F-XS/XL



W-shape

EWYQ-F-XS/XL



MicroTech III

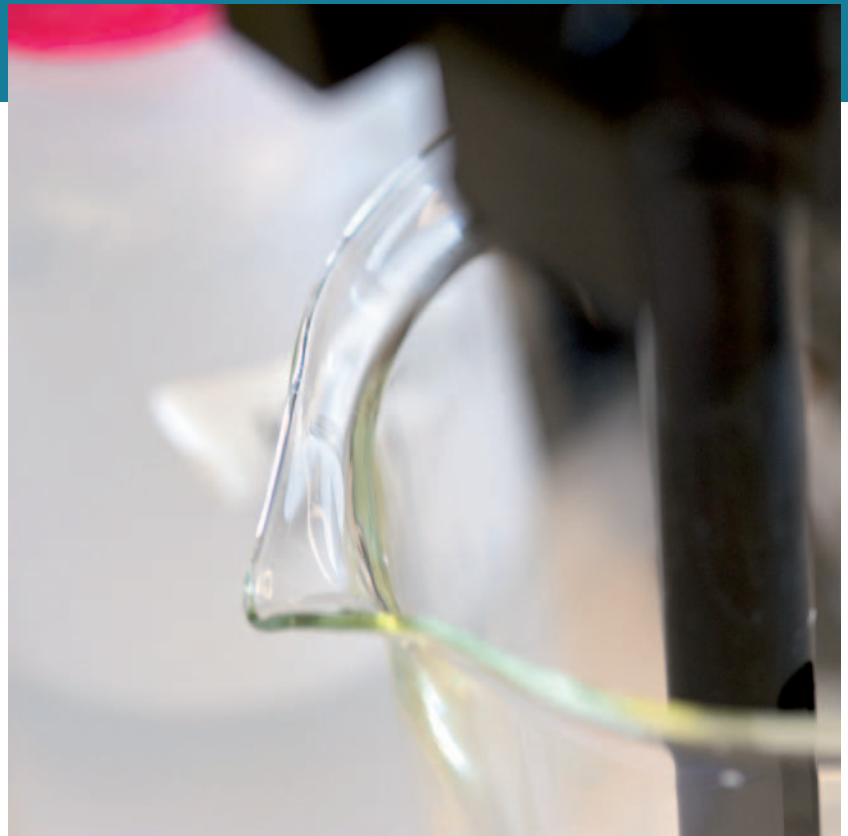
- > Class A efficiency in heating mode
- > Extended operation range: ambient temperatures from -10°C up to +46°C in cooling mode and down to -17°C in heating mode
- > 2 truly independent refrigerant circuits
- > Reduced footprint thanks to the V-shaped frame
- > Reliable and efficient scroll compressors 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
- > MicroTech III controller with superior control logic and easy interface
- > Nordic kit option to improve the chiller working conditions in heating mode

High efficiency

Standard/low sound

Heating & Cooling

EWYQ-F-XS/XL				160	190	210	230	310	340	380	400	430	510	570	630		
Cooling capacity	Nom.	kW		164	184	205	231	304	335	376	401	427	501	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														
EER				2.84	2.91	2.92		2.99	2.93	2.91	2.90	2.94	2.91	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		
Dimensions	Unit	HeightxWidthxDepth	mm	2,270x1,200x4,370		2,270x1,200x5,270		2,220x2,258x4,125			2,220x2,258x5,025		2,220x2,258x5,925		2,220x2,258x6,825		
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 volume		l	18				44				60		70			
	Nominal water flow	Cooling	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	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		
Nominal water pressure drop	Cooling	Heat exchanger	kPa	22	28	36	40	21	27	30	29	34	37	42	56		
	Heating	Heat exchanger	kPa	25	32	43	50	25	31	37	33	40	43	50	66		
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			900 rpm													
Sound power level (XS)	Cooling	Nom.	dBA	92	94	95		97		98		99		100			
Sound power level (XL)	Cooling	Nom.	dBA	89	92	93		95		95		96		97			
Sound pressure level (XS)	Cooling	Nom.	dBA	72	74	75	76	77		78		79		80			
Sound pressure level (XL)	Cooling	Nom.	dBA	70	74	73		74		75			76		77		
Operation range	Water side	Cooling	Min.~Max. °CDB	-15~-15													
		Heating	Min.~Max. °CDB	25~50													
	Air side	Cooling	Min.~Max. °CDB	-10~-46													
		Heating	Min.~Max. °CDB	-17~-20													
Refrigerant	Type		R-410A														
	Charge		kg	38	58				84			92	94	105		117	
	Circuits		Quantity	2													
Piping connections	Evaporator water inlet/outlet (OD)		2.5"						3"								
Power supply	Phase/Frequency/Voltage		Hz/V 3~/50/400														



Heating & Cooling

High efficiency
Reduced sound

EWYQ-F-XR				160	180	200	220	300	330	360	390	420	490	550	610	
Cooling capacity	Nom.		kW	158	178	200	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												
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
Dimensions	Unit	HeightxWidthxDepth	mm	2,270x1,200x4,370		2,270x1,200x5,270		2,220x2,258x4,125			2,220x2,258x5,025		2,220x2,258x5,925		2,220x2,258x6,825	
Weight	Unit			kg	1,520	1,940	2,400		3,060	3,070	3,080	3,890	3,900	4,400		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 volume			l	18				44			60		70		
	Nominal water flow	Cooling		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		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
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	20	26	34	38	20	25	28	27	32	35	39	53
Heating		Heat exchanger	kPa	25	32	43	50	25	31	37	33	40	43	50	66	
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	
		Heating	Nom.	l/s	21,047	20,433	25,542		40,867			51,850	51,084	61,300		71,517
Speed			rpm	700												
Sound power level	Cooling	Nom.	dB(A)	83	84	86		88		89	90		92			
Sound pressure level	Cooling	Nom.	dB(A)	64	65	66	67	69			70		71			
Operation range	Water side	Cooling	Min.~Max.	°CDB -15~15												
		Heating	Min.~Max.	°CDB 25~50												
	Air side	Cooling	Min.~Max.	°CDB -10~46												
		Heating	Min.~Max.	°CDB -17~20												
Refrigerant	Type			R-410A												
	Quantity			2												
Refrigerant circuit	Charge			kg	38	58		84			92	94	105		117	
Piping connections	Evaporator water inlet/outlet (OD)			2.5"				3"								
Power supply	Phase/Frequency/Voltage			Hz/V 3~/50/400												



V-shape

EWYQ-GZ



W-shape

EWYQ-GZ



MicroTech III

- > In-house designed DC-inverter scroll compressor, unique in the market and based on the latest Daikin technology development
- > Built-in redundancy (up to 12 compressors)
- > Highest ESEER in its class (up to 5)
- > Low inrush current
- > Seasonal quietness



Heating & Cooling

High efficiency Standard sound

EWYQ-GZXS				190	260	310	330	380
Cooling capacity	Nom.		kW	193	261	310	327	380
Heating capacity	Nom.		kW	182	246	289	314	362
Power input	Cooling	Nom.	kW	72.2	93.8	122	116	143
	Heating	Nom.	kW	70.5	93.1	115	119	142
Capacity control	Method			Stepless				
	Minimum capacity		%	14.4	14.3	14.9	14.3	14.8
EER				2.67	2.78	2.55	2.81	2.65
ESEER				4.74	4.77	4.86	4.71	4.69
COP				2.57	2.65	2.52	2.63	2.56
Dimensions	Unit	HeightxWidthxDepth	mm	2,270x1,290x4,450		2,223x2,234x3,560		2,223x2,234x4,460
Weight	Unit		kg	1,650	2,200	2,250	2,500	2,600
	Operation weight		kg	1,727	2,333	2,397	2,675	2,788
Water heat exchanger	Type			Plate heat exchanger				
	Water volume		l	29	61	75	79	92
	Nominal water flow	Cooling	l/s	9.2	12.5	14.8	15.6	18.1
		Heating	l/s	8.8	11.9	14.0	15.2	17.5
	Nominal water pressure drop	Cooling	Heat exchanger kPa	26	14	15	16	18
Heating		Heat exchanger kPa	22	11	13	14	18	
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler				
Compressor	Type			DC Inverter Scroll				
	Quantity			6	8	10		12
Fan	Type			Direct propeller				
	Quantity			4	6		8	
	Air flow rate	Nom.	l/s	17,473	26,209		34,946	
	Speed		rpm	920				
Sound power level	Cooling	Nom.	dB(A)	93	94		96	
Sound pressure level	Cooling	Nom.	dB(A)	76		78		79
Operation range	Water side	Cooling	Min.~Max. °CDB	-8~20				
		Heating	Min.~Max. °CDB	25~50				
	Air side	Cooling	Min.~Max. °CDB	-18~43				
		Heating	Min.~Max. °CDB	-10~20				
Refrigerant	Type			R-410A				
	Charge		kg	48	72		96	
	Circuits		Quantity	1		2		
Piping connections	Evaporator water inlet/outlet (OD)			2.5"		4.5"		
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400				



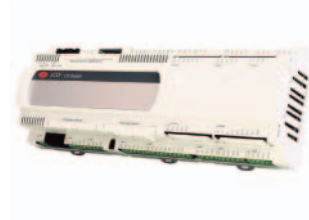
Heating & Cooling

High efficiency
Reduced sound

EWYQ-GZXR				190	260	300	320	370	
Cooling capacity	Nom.		kW	188	256	302	321	371	
Heating capacity	Nom.		kW	182	246	289	314	362	
Power input	Cooling	Nom.	kW	73.0	94.5	124	117	145	
		Heating	kW	70.5	93.1	115	119	142	
Capacity control	Method			Stepless					
	Minimum capacity			%	14.4	14.3	14.9	14.3	14.8
EER				2.58	2.71	2.44	2.75	2.56	
ESEER				4.77	4.83	4.99	5.00	4.98	
COP				2.57	2.65	2.52	2.63	2.56	
Dimensions	Unit	HeightxWidthxDepth	mm	2,270x1,290x4,450	2,223x2,234x3,560		2,223x2,234x4,460	2,223x2,241x4,460	
Weight	Unit		kg	1,668	2,224	2,280	2,530	2,636	
	Operation weight		kg	1,795	2,457	2,527	2,805	2,924	
Water heat exchanger	Type			Plate heat exchanger					
	Water volume			l	29	61	75	79	92
	Nominal water flow	Cooling		l/s	9.0	12.2	14.5	15.3	17.7
		Heating		l/s	8.8	11.9	14.0	15.2	17.5
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	25	13	14	15	17
Heating		Heat exchanger	kPa	22	11	13	14	18	
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler					
Compressor	Type			DC Inverter Scroll					
	Quantity			6	8	10		12	
Fan	Type			Direct propeller					
	Quantity			4	6		8		
	Air flow rate	Nom.	l/s	15,131	22,697			30,263	
	Speed			rpm	715				
Sound power level	Cooling	Nom.	dBA	89	91			92	
Sound pressure level	Cooling	Nom.	dBA	72	74			75	
Operation range	Water side	Cooling	Min.~Max. °CDB	-8~20					
		Heating	Min.~Max. °CDB	25~50					
	Air side	Cooling	Min.~Max. °CDB	-18~43					
		Heating	Min.~Max. °CDB	-10~20					
Refrigerant	Type			R-410A					
	Charge			kg	48	72	92	96	
	Circuits	Quantity		1	2				
Piping connections	Evaporator water inlet/outlet (OD)			2.5"	4.5"				
Power supply	Phase/Frequency/Voltage			Hz/V					
				3~/50/400					



EWYD-BZSS/SL



PCO2

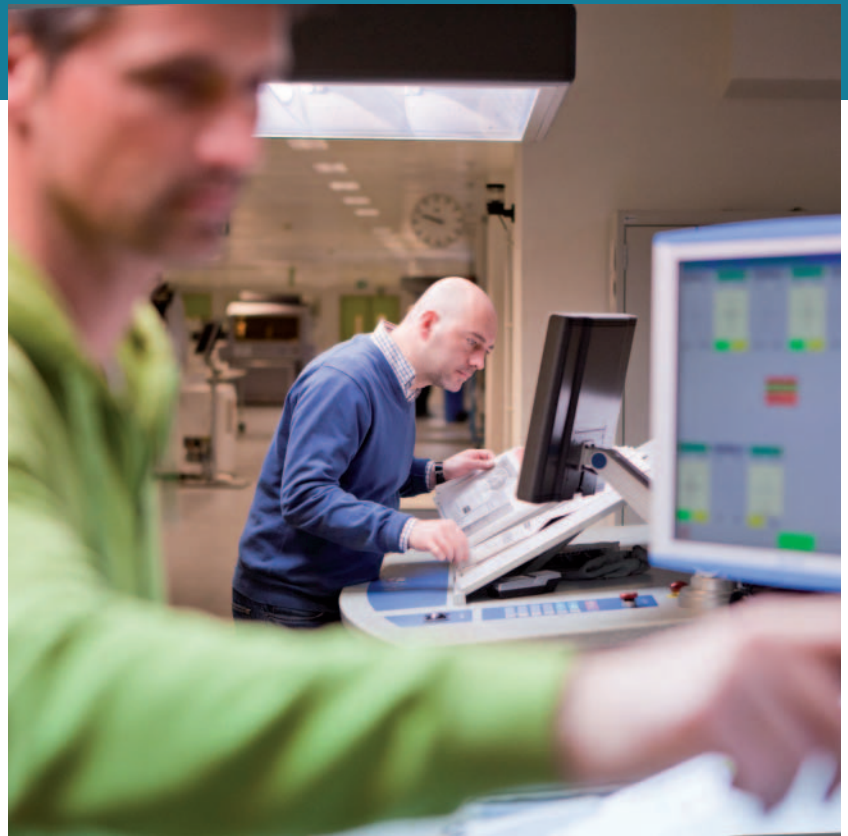


- > Optimised for use with R-134a
- > Ideal solution for commercial comfort cooling and/or heating applications
- > Standard electronic expansion valve
- > DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- > Low starting current
- > No gas boiler required
- > Optimised defrost cycles
- > Optimum ESEER values
- > Partial and total heat recovery option available
- > PID microprocessor control
- > Power factor up to 0.95
- > 2-3 truly independent refrigerant circuits
- > Standard operation range down to -12°C

Standard efficiency
Standard sound

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	434	455	503	520	580		
Heating capacity	Nom.	kW		271	298	325	334	351	381	412	445	465	477	532	560	618		
Power input	Cooling	Nom.	kW	91.3	101	109	117	126	136	144	154	165	163	180	188	218		
	Heating	Nom.	kW	91.5	100	108	118	127	134	143	157	167	166	177	185	208		
Capacity control	Method	Stepless																
	Minimum capacity	%		13									9					
EER				2.77	2.70	2.66	2.75	2.69	2.68	2.65	2.68	2.64	2.79	2.80	2.76	2.66		
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	3.01	2.82	2.77	2.85	2.88	2.84	2.79	2.87	3.01	3.03	2.97		
Dimensions	Unit	HeightxWidthxDepth	mm	2,335x2,254x3,547				2,335x2,254x4,381				2,335x2,254x5,281			2,335x2,254x6,583			
	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	Unit	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 volume	l		138				133				128			240	229		218
	Nominal water flow	Cooling	l/s	12.12	13.03	13.94	15.46	16.21	17.42	18.25	19.72	20.81	21.83	24.11	24.92	27.87		
		Heating	l/s	12.89	14.18	15.49	15.89	16.66	18.11	19.57	21.15	22.14	22.68	25.33	26.65	29.39		
Nominal water pressure drop	Cooling	Heat exchanger kPa	37	42	48	53	58	53	57	46	51	61	50	53	65			
	Heating	Heat exchanger kPa	42.0	49.0	58.0	55.0	60.0	57.0	65.0	52.0	57.0	66.0	55.0	60.0	71.0			
Air heat exchanger	Type	High efficiency fin and tube type with integral subcooler																
Compressor	Type	Semi-hermetic single screw compressor																
	Quantity	2												3				
Fan	Type	Direct propeller																
	Quantity	6				8				10			12					
	Air flow rate	Nom.	l/s	31,728				42,304				52,880			63,456			
	Speed	rpm 920																
Sound power level	Cooling	Nom.	dBA	100.5				101.2				101.8			103.6			
	Heating	Nom.	dBA	100.5				101.2				101.8			103.6			
Sound pressure level	Cooling	Nom.	dBA	82.1				82.3				82.5			83.7			
	Heating	Nom.	dBA	82.1				82.3				82.5			83.7			
Operation range	Water side	Cooling	Min.~Max. °CDB	-8~-15														
		Heating	Min.~Max. °CDB	35~55														
	Air side	Cooling	Min.~Max. °CDB	-12~45														
		Heating	Min.~Max. °CDB	-12~20														
Refrigerant	Type	R-134a																
	Charge	kg	88	94	100	118		121.0	124	148	177	183	186					
	Circuits	Quantity	2												3			
Piping connections	Evaporator water inlet/outlet (OD)	139.7mm												219.1mm				
Power supply	Phase/Frequency/Voltage	Hz/V 3~/50/400																



Standard efficiency
Low sound

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	354	370	402	423	446	491	508	564
Heating capacity	Nom.		kW	271	298	325	334	350	380	412	444	465	477	532	560	618
Power input	Cooling	Nom.	kW	89.5	99.5	110	114	123	133	144	150	163	158	176	185	217
	Heating	Nom.	kW	91.5	100	108	118	126	133	143	156	167	166	177	185	208
Capacity control	Method			Stepless												
	Minimum capacity		%	13										9		
EER				2.76	2.66	2.63	2.75	2.67	2.65	2.58	2.67	2.60	2.82	2.79	2.75	2.61
ESEER				4.05	4.04	3.99	4.16	4.05	4.04	4.01	4.06	4.02	4.18	4.16	4.10	3.98
COP				2.96	2.97	3.01	2.83	2.77	2.85	2.89	2.84	2.79	2.87	3.01	3.03	2.97
Dimensions	Unit	HeightxWidthxDepth	mm	2,335x2,254x3,547			2,335x2,254x4,381			2,335x2,254x5,281			2,335x2,254x6,583			
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 volume		l	138			133			128			240	229		218
	Nominal water flow	Cooling	l/s	11.83	12.70	13.89	15.12	15.83	16.98	17.77	19.28	20.30	21.39	23.56	24.34	27.11
		Heating	l/s	12.89	14.18	15.49	15.89	16.66	18.11	19.57	21.15	22.14	22.68	25.33	26.65	29.39
Nominal water pressure drop	Cooling	Heat exchanger	kPa	36	40	48	51	55	50	55	44	48	59	48	51	62
	Heating	Heat exchanger	kPa	42.0	49.0	58.0	55.0	60.0	57.0	65.0	52.0	57.0	66.0	55.0	60.0	71.0
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler												
Compressor	Type			Semi-hermetic single screw compressor												
	Quantity			2									3			
Fan	Type			Direct propeller												
	Quantity			6			8			10			12			
	Air flow rate	Cooling	Nom.	l/s	24,432			32,576			40,720			48,864		
Heating		Nom.	l/s	31,728			42,304			52,880			63,456			
Fan motor	Speed	Cooling	Nom.	rpm						715						
		Heating	Nom.	rpm						920						
Sound power level	Cooling	Nom.	dBA	94.0			94.7			95.3			97.0			
	Heating	Nom.	dBA	94.9			96.1			96.7			98.4			
Sound pressure level	Cooling	Nom.	dBA	75.6			75.8			76.0			77.2			
	Heating	Nom.	dBA	76.5			77.2			77.4			78.6			
Operation range	Water side	Cooling	Min.~Max.	°CDB						-8~15						
		Heating	Min.~Max.	°CDB						35~55						
	Air side	Cooling	Min.~Max.	°CDB						-12~45						
		Heating	Min.~Max.	°CDB						-12~20						
Refrigerant	Type			R-134a												
	Charge		kg	88	94	100	118		121	124	148		177	183	186	
	Circuits		Quantity	2									3			
Piping connections	Evaporator water inlet/outlet (OD)			139.7mm									219.1mm			
Power supply	Phase/Frequency/Voltage			Hz/V												
				3~/50/400												



ERAD170,200E-SS
ERAD160,190E-SL



MicroTech III

- › 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

Standard efficiency Standard sound

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	Width	Depth	mm				2,273x1,292x3,065		2,273x1,292x3,965				2,223x2,236x3,070	
	Weight	Unit	kg		1,584		1,741		1,936		2,679		2,756			
	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						
Fan motor	Speed	Cooling	Nom.	rpm		900										
Sound power level	Cooling	Nom.	dBA		92			93		94		95				
	Sound pressure level	Cooling	Nom.	dBA		74			75		76					
Operation range	Saturated suction temp.	Min-Max		°C												
	Condenser	Min-Max		°C												
Refrigerant	Type	R-134a														
	Charge	kg		17	20	22	27	29	32	45	54	58				
	Circuits	Quantity		1												
Piping connections	Evaporator water inlet/outlet (OD)	76mm										139.7mm				
Power supply	Phase/Frequency/Voltage	Hz/V		3~/50/400												



Cooling only

Standard efficiency Low sound

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				%										
EER					2.74	2.61	2.75	2.83		3.11	3.24	2.88	2.73	2.76	
Dimensions	Unit	HeightxWidthxDepth		mm		2,273x1,292x2,165		2,273x1,292x3,065		2,273x1,292x3,965		2,223x2,236x3,070			
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				
Fan motor	Speed	Cooling	Nom.		rpm		700								
Sound power level	Cooling	Nom.		dBA		89		90		91		92		93	
Sound pressure level	Cooling	Nom.		dBA		71				73		74			
Operation range	Saturated suction temp.		Min-Max		°C		-9~12								
	Condenser		Min-Max		°C		-18~48								
Refrigerant	Type				R-134a										
	Charge				kg		17	20	22	27	29	32	45	54	58
	Circuits				Quantity		1								
Piping connections	Condenser water inlet/outlet (OD)				-										
	Evaporator water inlet/outlet (OD)				76mm							139.7mm			
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400									



EWWQ-B-SS/XS



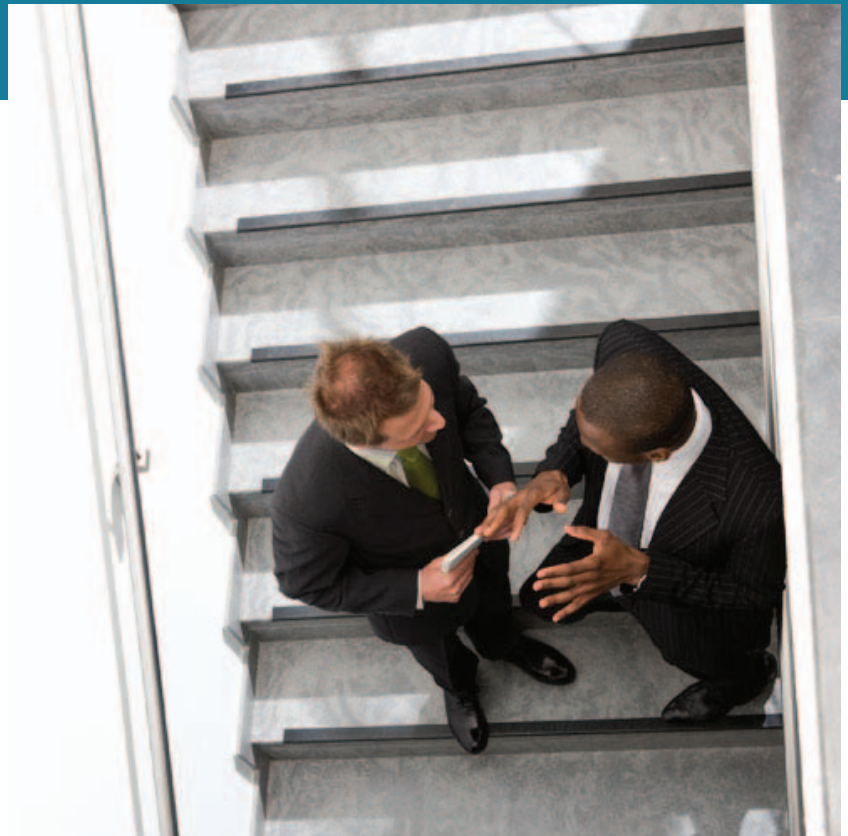
MicroTech III

- > All models are PED pressure vessel approved
- > 1 or 2 stepless single-screw compressors
- > 1 or 2 truly independent refrigerant circuits
- > Shell and tube heat exchanger
- > Optimised for use with R-410A
- > Standard electronic expansion valve
- > Compact design
- > Partial heat recovery available
- > MicroTech III controller with superior control logic and easy interface

Cooling only

Standard efficiency Standard sound

EWWQ-B-SS				380	460	560	640	730	800	860	870	960	C10	C11	C12	C13	C14	C15	C16	C17	C19	C20		
Cooling capacity	Nom.		kW	379	462	560	635	724	793	859	868	956	1,003	1,050	1,181	1,251	1,320	1,452	1,595	1,754	1,896	2,055		
Power input	Cooling	Nom.		kW	89.2	109	133	150	170	179	207	199	218	247	243	268	285	303	337	373	407	441	477	
Capacity control	Method		Stepless																					
	Minimum capacity		%																					
				12.5					25.0			12.5					25.0							
EER				4.24	4.21	4.22	4.25	4.42	4.15	4.36	4.38	4.07	4.32	4.41	4.38	4.35	4.31	4.28	4.31	4.30	4.31			
ESEER				4.61	4.59	4.67	4.62	4.95	4.52	4.91	4.90	4.42	4.86	4.96	4.89	4.81	4.76	4.61	4.63	4.54				
Dimensions	Unit	HeightxWidth xDepth		mm																				
				1,849x1,140 x3,373	2,001x1,276 x3,454		1,848x1,314 x3,535	2,158x1,350 x5,020	1,848x1,314 x2,001	2,158x1,350 x5,020	1,848x1,314 x2,001	2,378x1,350 x4,894	2,455x1,350 x5,070		2,495x1,350 x4,892		2,495x1,350 x4,865							
Weight	Unit		kg																					
	Operation weight																							
				1,933	1,967	2,283	2,332	2,407	3,921	2,427	3,949	3,988	2,457	4,344	4,529	4,536	4,607	4,988	4,999	5,053	5,204	5,289		
Water heat exchanger - evaporator	Type		Single pass shell and tube																					
	Water volume		l																					
	Nominal water pressure drop	Cooling	Heat exchanger	kPa																				
				48	63	44	47	54	53	49	62	58	56	69	45	49	54	59	69	88	97	120		
Compressor	Type		Semi-hermetic single screw compressor																					
	Quantity																							
				1					2			1		2		1							2	
Sound power level	Cooling	Nom.		dBA																				
				100	101	102		105	102	105		103	105		107	106		107		108				
Sound pressure level	Cooling	Nom.		dBA																				
				82	83	84		83	84	85		86		87		86	87		88					
Operation range	Evaporator	Cooling	°CDB																					
		Max.	°CDB																					
	Condenser	Cooling	°CDB																					
		Max.	°CDB																					
				45																				
Refrigerant	Type		R-410A																					
	Circuits	Quantity		1					2		1		2		1							2		
Refrigerant circuit	Charge		kg																					
				80	90		80	90		85	100	90	100		130									
Refrigerant circuit 2	Charge		kg																					
				-	80		-	90	85	100	90	100		130										
Piping connections	Evaporator water inlet/outlet		mm																					
	Condenser water inlet/outlet		inch																					
				152.4	-					203.2		-		254		-								
				5	6		5		6		5		6		5									
Power supply	Phase/Frequency/Voltage		Hz/V																					
				3~/50/400																				



Cooling only

High efficiency Standard sound

EWVQ-B-XS				420	520	640	730	800	970	C10	C11	C12	C13	C14	C15	C16	C17	C19	C20	C21	
Cooling capacity	Nom.		kW	420	513	636	722	798	969	1.033	1.111	1.153	1.265	1.363	1.442	1.580	1.740	1.870	2.025	2.156	
Power input	Cooling	Nom.	kW	88,7	107	131	149	166	201	213	239	238	262	281	299	324	361	397	436	474	
Capacity control	Method			Stepless																	
	Minimum capacity		%	12,5						25,0	12,5	25,0									
EER				4,74	4,79	4,84	4,83	4,81	4,86	4,64	4,85	4,83	4,85	4,83	4,88	4,81	4,71	4,64	4,55		
ESEER				5,19	5,22	5,28	5,22	5,06	5,53	4,85	5,45	5,53	5,47	5,26	5,18	4,98	4,91	4,75			
Dimensions	Unit	HeightxWidth xDepth	mm	2.001x1.276 x3.863			2.001x1.268 x3.878	2.003x1.314 x3.878	2.003x1.446 x3.919	2.454x1.350 x5.219	2.003x1.44 x3.919	2.454x1.350 x5.219				2.495x1.350 x4.829			2.495x1.350 x4.865		
	Weight	Unit	kg	2.322	2.403	2.464	2.738	2.407	2.427	4.775	2.457	4.831	4.873	4.919	4.969	5.117	5.388	5.408	5.414		
Water heat exchanger - evaporator	Operation weight		kg	2.594	2.685	2.745	3.158	2.815	3.056	5.431	3.086	5.479	5.512	5.546	5.606	5.794	5.843	6.110	6.118	6.124	
	Type			Single pass shell and tube																	
	Water volume		l	220	213	200	334	325	538	587	538	575	563	551	495	484	535	527			
Compressor	Nominal water pressure drop	Cooling	Heat exchanger	kPa	55	68	71	64	57	53	68	64	55	67	74	69	88	90	111	124	
	Type				Semi-hermetic single screw compressor																
Sound power level	Quantity			1						2	1	2									
	Cooling	Nom.	dB(A)	101	102	103	102	103	105	104	106	107	106	107	106	107	108				
Sound pressure level	Cooling	Nom.	dB(A)	82	83	84	83	84	86	85	86	87	86	87	86	87	88				
	Operation range	Evaporator	Cooling	Min. °CDB	-4																
Max. °CDB			10																		
Condenser		Cooling	Min. °CDB	25																	
		Max. °CDB	45																		
Refrigerant	Type			R-410A																	
	Circuits	Quantity		1						2	1	2									
Refrigerant circuit	Charge		kg	95			110	130	120	130	120				130						
Refrigerant circuit 2	Charge		kg	-						120	-	120				130					
Piping connections	Evaporator water inlet/outlet		mm	152,4			203,2	254	203,2	254	203,2				254						
	Condenser water inlet/outlet		inch	8			6	5	6	5	6	5				6					
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400																	

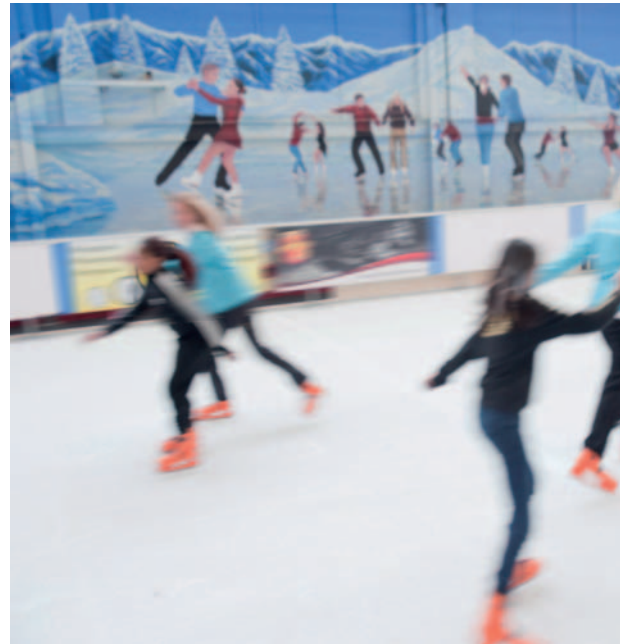




EWWD-J-SS



MicroTech III



- > Compact design to allow easy indoor installation or retrofit operations
- > Daikin semi-hermetic single screw stepless compressor
- > High efficiency at full and partial load
- > 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

Standard efficiency
Standard sound

Heating only & Cooling only

EWWD-J-SS				120	140	150	180	210	250	280	310	330	360	380	400	450	500	530	560	
Cooling capacity	Nom.	kW		120	146	154	177	207	255	284	309	333	356	385	415	463	512	540	568	
	Nom.	kW		142	172	188	216	249	305	340	377	405	432	466	499	554	610	645	681	
Power input	Cooling	Nom.	kW	28.0	33.9	39.5	45.3	50.5	60.0	70.1	78.6	84.4	90	100		110	119	129	140	
		Nom.	kW	32.9	40.1	46.4	53.5	59.57	71.68	80.75	92.88	99.9	107	113	119	131	143	152	162	
Capacity control	Method			Stepless																
	Minimum capacity			25						12.5										
EER				4.28	4.29	3.91	3.92	4.11	4.25	4.05	3.93	3.94	3.95	3.83	4.13	4.20	4.29	4.18	4.06	
ESEER				4.51	4.20		4.28	4.68	4.01	4.32	4.35	4.50	4.31	4.65	4.74	4.83	4.73	4.33		
COP				4.32	4.29	4.05	4.04	4.18	4.26	4.21	4.06	4.05	4.04	4.12	4.19	4.22	4.26	4.23	4.22	
Dimensions	Unit	HeightxWidthxDepth		1,020x913x2,684								2,000x913x2,684								
Weight	Unit	kg		1,177	1,233	1,334	1,366	1,416	1,600	1,607	2,668	2,700	2,732	2,782	2,832	3,016	3,200	3,207	3,215	
	Operation weight		kg	1,211	1,276	1,378	1,415	1,473	1,663	1,675	2,755	2,792	2,830	2,888	2,946	3,136	3,327	3,338	3,350	
Water heat exchanger	Type			Brazen plate, one per circuit																
Water heat exchanger - evaporator	Water volume			14	18	14	17	20	26		29	31	33	37	41	46	52			
	Nominal water pressure drop	Cooling	Heat exchanger	15	13	40	38	36	28	33	40		38		36		28		33	
Compressor	Type			Semi-hermetic single screw compressor																
	Quantity			1								2								
Sound power level	Cooling	Nom.	dB(A)	88.6				87.2		92.4				91.8		91.0				
		Nom.	dB(A)	71.4				70.0		74.4				73.8		73.0				
Operation range	Evaporator	Cooling	Min.	°CDB			-10													
			Max.	°CDB			15													
	Condenser	Cooling	Min.	°CDB			23													
			Max.	°CDB			60													
Refrigerant	Type			R-134a																
	Charge	kg		18	20	33	34	36	38	66	67	68	70	72	74	76				
Piping connections	Evaporator water inlet/outlet			1								2								
	Condenser water inlet/outlet (OD)			2" 1/2				4"												
Power supply	Phase/Frequency/Voltage			3~/50/400																



EWWP014-035KBW1N



μC²SE



- > Standard integrated: main switch, water filter, flow switch, air purge, pressure ports
- > Daikin scroll compressor
- > Low operating sound level
- > Low energy consumption
- > Extension possible up to 195 kW
- > Compact dimensions and low refrigerant volume
- > Easy installation and maintenance
- > Stainless steel plate heat exchanger
- > Remote cooling or heating selection
- > Water/water heat pump, with water reversibility
- > Compatible with hydraulic module
- > μC²SE controller featuring top-of-the-range performance and user friendliness

Heating only & Cooling only

EWWP-KBW1N				014	022	028	035	045	055	065	090	100	110	120	130	145	155	165	175	185	195				
Cooling capacity	Nom.	kW		12.9	21.4	27.8	32.3	42.8	55.7	64.7	85.7	98.6	112	121	130	141	154	167	176	185	194				
Heating capacity	Nom.	kW		16.7	27.5	35.6	41.5	55.0	71.7	83.0	110	127	143	155	166	182	198	215	226	237	249				
Power input	Cooling	Nom.	kW	3.75	6.13	7.85	9.12	12.2	16.0	18.2	24.2	28.0	31.9	34.0	36.2	40.2	43.9	47.7	49.8	52.0	54.1				
		Heating	Nom.	kW	3.75	6.13	7.85	9.12	12.2	16.0	18.2	24.2	28.0	31.9	34.0	36.2	40.2	43.9	47.7	49.8	52.0	54.1			
Capacity steps number				1			2			4			6												
EER				3.44	3.49	3.54		3.51	3.48	3.55	3.54	3.52	3.51	3.56	3.59	3.51		3.50	3.53	3.56	3.59				
COP				4.45	4.49	4.54	4.55	4.51	4.48	4.56	4.55	4.54	4.48	4.56	4.59	4.53	4.51		4.54	4.56	4.60				
Dimensions	Unit	HeightxWidthxDepth	mm	600x600x600			600x600x1,200			1,200x600x1,200			1,800x600x1,200												
Weight	Unit			kg	118	155	165	172	300	320	334	600	620	640	654	668	920	940	960	974	988	1,002			
Water heat exchanger - evaporator	Type			Braze plate																					
	Minimum water volume in the system	l		62	103	134	155	205	268	311	205	268		311		205			268			311			
	Water flow rate	Nom.	l/min	37	61	80	93	123	160	185	246	283	321	347	373	404	441	479	505	530	556				
Compressor	Type			Hermetically sealed scroll compressor																					
	Quantity			1			2			4		2	4	2	4			6	4		6				
Compressor 2	Quantity			-			-			2		-	2	-	2		-	2		-					
Sound power level	Cooling	Nom.	dB(A)	64			71			67		74		71		75		77		73			76	78	79
Operation range	Evaporator	Cooling	Min.	°CDB			-10																		
			Max.	°CDB			20																		
	Condenser	Cooling	Min.	°CDB			20																		
			Max.	°CDB			55																		
Refrigerant	Type			R-407C																					
	Charge	kg		1.2	2	2.5	3.1	4.6	5.6	9.2			10.2	11.2	13.8			14.8	15.8	16.8					
	Control			Thermostatic expansion valve																					
Piping connections	Evaporator water inlet/outlet (OD)			1			2			4			6												
		Quantity			1			2			4			6											
	Evaporator water drain			FBSP 25mm			FBSP 40mm			2 x 2 x FBSP 38mm			3 x 2 x FBSP 38mm												
	Condenser water inlet/outlet (OD)			FBSP 25mm			FBSP 40mm			2 x 2 x FBSP 38mm			3 x 2 x FBSP 38mm												
Power supply	Phase/Frequency/Voltage			3N~/50/400																					



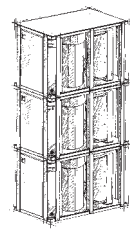
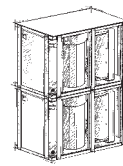
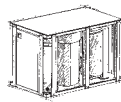
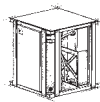
EWWP014-035KBW1N



EWWP090-130KBW1N



EWWP145-195KBW1N



SELECTION TABLE		1 MODULE (KB-SERIES)							2 MODULES (KB-SERIES)					3 MODULES (KB-SERIES)					
Capacity index		014	022	028	035	045	055	065	090	100	110	120	130	145	155	165	175	185	195
Cooling capacity (kW)		12.9	21.4	27.8	32.3	42.8	55.7	64.7	85.7	98.6	112	121	130	141	154	167	176	185	194
Heating capacity (kW)		16.7	27.5	35.6	41.5	55.0	71.7	83.0	110	127	143	155	166	182	198	215	226	237	249
UNIT + CONTROL (Factory mounted)	EWWP014KBW1N	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP022KBW1N	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP028KBW1N	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP035KBW1N	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP045KBW1N	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP055KBW1N	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
MODULAR UNITS (Controller available as accessory)	EWWP045KAW1M	-	-	-	-	-	-	-	2	1	-	-	-	2	1	-	-	-	-
	EWWP055KAW1M	-	-	-	-	-	-	-	-	1	2	1	-	1	2	3	2	1	-
	EWWP065KAW1M	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	1	2	3
CONTROL (kit)	ECB2MUW	-	-	-	-	-	-	-	1	1	1	1	1	-	-	-	-	-	-
	ECB3MUW	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1

For example: for a 121 kW HP system, select : EWWP055KBW1N + EWWP065KBW1N



EWWD-G-SS/XS



MicroTech III

- > All models are PED pressure vessel approved
- > Stepless single-screw compressor
- > Optimised for use with R-134a
- > 1-2 truly independent refrigerant circuits
- > Standard electronic expansion valve
- > DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- > Partial and total heat recovery option available
- > MicroTech III controller with superior control logic and easy interface

Standard efficiency
Standard sound

Heating only & Cooling only

EWWD-G-SS				170	210	260	300	320	380	420	460	500	600		
Cooling capacity	Nom.			kW	165	200	252	279	332	370	401	446	554		
Heating capacity	Nom.			kW	221	266	336	376	443	492	534	596	747		
Power input	Cooling	Nom.		kW	43.8	52.6	67.4	78.5	87.5	96.4	105.4	119.3	157		
	Heating	Nom.		kW	55.6	66.8	85.4	99.3	111	122	134	152	198		
Capacity control	Method			Stepless											
	Minimum capacity			%	25					13					
EER					3.77	3.80	3.74	3.55	3.80	3.84	3.80	3.74	3.68	3.53	
ESEER					4.46	4.47	4.41	4.15	4.66	4.71	4.65	4.60	4.50	4.29	
COP					3.97	3.99	3.93	3.78	3.99	4.02	3.99	3.93	3.88	3.77	
Dimensions	Unit	HeightxWidthxDepth		mm	1,860x920x3,435					1,880x860x4,305					
Weight	Unit			kg	1,393	1,410	1,503		2,687	2,697	2,702	2,757	2,762		
	Operation weight			kg	1,470	1,480	1,650		2,840	2,850	2,860	2,970			
Water heat exchanger - evaporator	Type			Single pass shell and tube											
	Water volume			l	60	56	123		118		113		173	168	
	Nominal water pressure drop		Cooling	Total	kPa	45	61	41	49	58	57	66	50		59
Compressor	Type			Semi-hermetic single screw compressor											
	Quantity				1					2					
Sound power level	Cooling	Nom.		dB(A)	88					90					
Sound pressure level	Cooling	Nom.		dB(A)	70					72					
Operation range	Evaporator	Cooling	Min.	°CDB	-8										
			Max.	°CDB	15										
	Condenser	Cooling	Min.	°CDB	20										
			Max.	°CDB	55										
Refrigerant	Type			R-134a											
	Charge			kg	50		55		110		50		55		110
	Control			Electronic expansion valve											
	Circuits		Quantity			1					2				
Piping connections	Evaporator water inlet/outlet (OD)				88.9				114.3				139.7mm		
	Condenser water inlet/outlet (OD)				5"										
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										



Heating only & Cooling only High efficiency Standard sound

EWWD-G-XS				190	230	280	320	380	400	460	500	550	650	
Cooling capacity	Nom.	kW		185	222	276	306	365	407	443	495	539	602	
Heating capacity	Nom.	kW		238	286	355	400	470	523	569	634	693	785	
Power input	Cooling	Nom.	kW	-										
	Heating	Nom.	kW	51.7	62.9	77.7	93.4	103	114	124	137	150	180	
Capacity control	Method		Stepless											
	Minimum capacity		%	25					13					
EER				4.57	4.50	4.53	4.17	4.50	4.58	4.57	4.61	4.59	4.26	
ESEER				5.53	5.43	5.46	5.02	5.69	5.82	5.81	5.83	5.80	5.36	
COP				4.61	4.55	4.57	4.29	4.55	4.61	4.6	4.64	4.63	4.37	
Dimensions	Unit	HeightxWidthxDepth	mm	1,860x920x3,435					1,880x860x4,305					
Weight	Unit		kg	1,650	1,665	1,680		2,800	2,945	2,955	2,975	2,990		
	Operation weight		kg	1,800	1,810	1,820		3,020	3,280	3,290	3,315	3,340		
Water heat exchanger - evaporator	Type		Single pass shell and tube											
	Water volume		l	125	120	110		170	285			280		
	Nominal water pressure drop	Cooling	Total	kPa	23	31	30	37	28	21	24	33	39	47
Compressor	Type		Semi-hermetic single screw compressor											
	Quantity			1					2					
Sound power level	Cooling	Nom.	dB(A)	88					90					
Sound pressure level	Cooling	Nom.	dB(A)	70					72					
Operation range	Evaporator	Cooling	Min.	°CDB		-8								
			Max.	°CDB		15								
	Condenser	Cooling	Min.	°CDB		20								
			Max.	°CDB		55								
Refrigerant	Type		R-134a											
	Charge		kg	55					110	105	100			
	Control		Electronic expansion valve											
	Circuits		Quantity	1					2					
Piping connections	Evaporator water inlet/outlet (OD)		114.3											
	Condenser water inlet/outlet (OD)		139.7											
Power supply	Phase/Frequency/Voltage		5"											
			3~/50/400											



EWWD-I-SS



MicroTech III

- > All models are PED pressure vessel approved
- > Stepless single-screw compressor
- > Optimised for use with R-134a
- > 1-2-3 truly independent refrigerant circuits
- > Standard electronic expansion valve
- > DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- > Partial and total heat recovery option available
- > MicroTech III controller with superior control logic and easy interface

Standard efficiency
Standard sound

Heating only & Cooling only

EWWD-I-SS				340	400	460	550	650	700	800	850	900	950	C10	C12	C13	C14	C15	C16	C17	C18			
Cooling capacity	Nom.	kW		332	392	458	536	637	703	779	841	907	982	1,024	1,151	1,200	1,270	1,341	1,395	1,449	1,503			
Heating capacity	Nom.	kW		424	503	588	689	820	903	999	1,079	1,163	1,261	1,324	1,477	1,543	1,632	1,724	1,800	1,875	1,951			
Power input	Cooling	Nom.	kW	73.5	88.6	104.2	124.3	145.7	160.3	176.4	191.1	205.4	224.7	242.6	261.6	275.1	289.8	307.0	325.5	344.3	363			
		Heating	Nom.	kW	91.4	109	129	152	181	199	218	236	254	276	297	324	341	359	380	401	422	444		
Capacity control	Method			Stepless																				
	Minimum capacity			25						13						8								
EER				4.51	4.43	4.39	4.31	4.37	4.38	4.41	4.40	4.42	4.37	4.22	4.40	4.36	4.38	4.37	4.29	4.21	4.14			
ESEER				4.71	4.57	4.53	4.47	5.04	5.27	5.06	5.19	5.05	5.15	5.00	5.05	5.09	5.13	5.06	5.05	4.96	4.79			
COP				4.64	4.6	4.57	4.54	4.52	4.54	4.58	4.57	4.58	4.57	4.46	4.57	4.53	4.55	4.54	4.49	4.44	4.4			
Dimensions	Unit	HeightxWidthxDepth		1,821x1,466x3,298						2,103x1,350x4,116						2,323x2,130x4,439								
Weight	Unit			kg			2,150	2,160	2,179	2,224	3,909	3,927	3,945	3,971	3,996	4,080	4,092	6,079	6,097	6,136	6,174	6,192	6,210	6,228
	Operation weight			kg			2,380	2,396	2,410	2,457	4,217	4,228	4,243	4,262	4,288	4,369	4,386	6,628	6,646	6,670	6,699	6,717	6,735	6,761
Water heat exchanger - evaporator	Type			Single pass shell and tube																				
	Water volume			l			193	183	172	271	263	256	248	241	233	472	504	489	472					
	Nominal water pressure drop	Cooling	Heat exchanger	kPa			37	50	54	62	55	44	57	53	44	54	39	52	55	46	57	62	66	71
Compressor	Type			Semi-hermetic single screw compressor																				
	Quantity			1						2						3								
Sound power level	Cooling	Nom.		dBA		94	97			98	99	100			101			103						
		Nom.		dBA		75	76	78			79	80	81			80	81			83				
Operation range	Evaporator	Cooling	Min.	°CDB			-8																	
			Max.	°CDB			15																	
	Condenser	Cooling	Min.	°CDB			20																	
			Max.	°CDB			55																	
Refrigerant	Type			R-134a																				
	Circuits	Quantity		1						2						3								
Refrigerant circuit	Charge			kg			54	52	51	50	108	106	104	100	156	155	154	153	152	151	150			
Piping connections	Evaporator water inlet/outlet (OD)			168.3mm																				
	Condenser water inlet/outlet (OD)			5"																				
Power supply	Phase/Frequency/Voltage			Hz/V																				
				3~/50/400																				



Heating only & Cooling only

High efficiency Standard sound

EWWD-I-XS				360	440	500	600	750	800	850	950	C10	C11	C12			
Cooling capacity	Nom.	kW		360	431	504	570	717	791	863	929	971	1,035	1,130			
Heating capacity	Nom.	kW		454	543	635	728	904	997	1,086	1,171	1,232	1,319	1,441			
Power input	Cooling	Nom.	kW	74.5	89.5	104.5	126.8	147.9	163.4	177.8	193.1	208.4	228.3	250			
		Nom.	kW	92	110	128	155	183	201	218	237	256	280	306			
Capacity control	Method			Stepless													
	Minimum capacity			25					13								
EER				4.83	4.82		4.50	4.85	4.84	4.85	4.81	4.66	4.53	4.51			
ESEER				4.75	4.72	4.71	4.52	5.40	5.50	5.35	5.40	5.18	5.37	5.02			
COP				4.94	4.95		4.7	4.95	4.96	4.97	4.94	4.81	4.71				
Dimensions	Unit	HeightxWidthxDepth		1,883x1,430x4,012					2,245x1,350x4,782								
Weight	Unit			kg		2,594	2,667	2,704	4,964	4,997	5,049	5,073	5,097	5,132			
	Operation weight			kg		2,998	3,078	3,116	5,582	5,615	5,671	5,695	5,729	5,741			
Water heat exchanger - evaporator	Type			Single pass shell and tube													
	Water volume			l		326	317	308	539		528		504				
Compressor	Nominal water pressure drop			Cooling	Heat exchanger	kPa		64	54	68	58	68	56	64	72	46	52
	Type			Semi-hermetic single screw compressor													
Sound power level	Quantity			1					2								
	Cooling	Nom.	dBA		94	97			98	99	100						
dBA			75	76	78			79	80	81							
Operation range	Evaporator	Cooling	Min.	°CDB		-8											
			Max.	°CDB		15											
	Condenser	Cooling	Min.	°CDB		20											
			Max.	°CDB		55											
Refrigerant	Type			R-134a													
Refrigerant circuit	Circuits	Quantity			1					2							
		Charge			kg		90	87	85	180	177	174	172	170			
Piping connections	Evaporator water inlet/outlet (OD)			168.3mm					219.1mm								
	Condenser water inlet/outlet (OD)			5"													
Power supply	Phase/Frequency/Voltage			Hz/V													
				3~/50/400													



EWWD-H-XS



MicroTech III



- > High energy efficient units: full range Eurovent Class A
- > Extended operation range allowing condenser leaving water temperature (CLWT) up to 50°C as standard
- > Heat pump version available
- > Flooded type heat exchangers
- > MicroTech III controller with superior control logic and easy interface

Heating only & Cooling only

High efficiency Standard sound

EWWD-H-XS				370	450	530	610	750	830	930	980	C10	C11	C12	
Cooling capacity	Nom.	kW		368	444	520	606	746	825	930	977	1,049	1,130	1,212	
Heating capacity	Nom.	kW		454	547	639	746	918	1,015	1,138	1,200	1,287	1,389	1,488	
Power input	Cooling	Nom.	kW	63.9	76.6	88.3	103	127	140	153	166	177	190	204	
		Heating	Nom.	kW	82.7	99.2	114	132	164	181	199	214	227	246	263
Capacity control	Method			Stepless											
	Minimum capacity			25.0					12.5						
EER				5.75	5.79	5.88	5.90	5.85	5.88	6.06	5.90	5.94		5.95	
ESEER				6.11	6.18	6.27	6.25	6.76	6.87	6.97	7.03	7.07	7.10		
COP				5.5	5.52	5.61	5.64	5.59	5.61	5.73	5.61	5.66	5.65	5.67	
Dimensions	Unit	HeightxWidthxDepth	mm	2,121x1,353x3,341		2,121x1,353x3,419		2,048x1,384x3,417		2,048x1,689x3,609		2,048x1,711x3,609		2,161x1,711x3,509	
Weight	Unit		kg	3,089	3,370	3,603	3,781	5,289	5,375	5,654	5,707	6,066	6,105	6,156	
	Operation weight		kg	3,250	3,588	3,870	4,163	5,694	5,835	6,174	6,262	6,709	6,773	6,859	
Water heat exchanger - evaporator	Type			Single pass shell and tube											
	Water volume			l	78	107	134	160	172	201	261	272	295	310	327
	Nominal water pressure drop		Cooling	Heat exchanger	kPa	37	31		36	42	35	32		30	29
Compressor	Type			Semi-hermetic single screw compressor											
	Quantity			1					2						
Sound power level	Cooling	Nom.		dB(A)	97	98	99	100	101		102		103		
		Nom.		dB(A)	78	79	80	81	82		83		84		
Operation range	Evaporator	Cooling	Min.	°CDB	-8										
			Max.	°CDB	15										
	Condenser	Cooling	Min.	°CDB	18										
			Max.	°CDB	65										
Refrigerant	Type			R-134a											
	Charge		kg	210	190	180	210	220	250	300		330			
	Circuits		Quantity	1					2						
Piping connections	Evaporator water inlet/outlet		mm	168.3				219.1							
	Condenser water inlet/outlet		inch	6				8							
Power supply	Phase/Frequency/Voltage			Hz/V											
				3~/50/400											



EWLP012-030KBW1N



μC²SE

- > Daikin scroll compressor
- > Electronic DDC controller
- > Low operating sound level
- > Low energy consumption
- > Compact dimensions and low refrigerant volume
- > Easy installation and maintenance
- > Stainless steel plate heat exchanger
- > Compatible with hydraulic module
- > Standard integrated: main switch, pressure ports, flow switch, filter, shut-off valves and air purge
- > μC²SE controller featuring top-of-the-range performance and user friendliness



Cooling only

EWLP-KBW1N				012	020	026	030	040	055	065	
Cooling capacity	Nom.		kW	12.1	20.0	26.8	31.2	40.0	53.7	62.4	
Power input	Cooling	Nom.	kW	4.2	6.6	8.5	10.1	13.4	17.8	20.3	
Capacity steps number				1				2			
EER				2.88	3.03	3.15	3.09	2.99	3.02	3.07	
Dimensions	Unit	HeightxWidthxDepth	mm	600x600x600				600x600x1,200			
Weight	Unit		kg	108	141	147	151	252	265	274	
Water heat exchanger - evaporator	Minimum water volume in the system			l	62	103	134	155	205	268	311
	Type				Braze plate						
	Water flow rate	Nom.		l/min	35	57	77	89	115	154	179
	Model	Quantity			1						
Compressor	Type			Hermetically sealed scroll compressor							
	Quantity				1			2			
Sound power level	Cooling	Nom.		dB(A)	64		71	67		74	
Operation range	Evaporator	Cooling	Min.	°CDB	-10						
			Max.	°CDB	20						
	Condenser	Cooling	Min.	°CDB	25						
			Max.	°CDB	60						
Refrigerant	Type			R-407C							
	Control			Thermostatic expansion valve							
	Circuits	Quantity			1			2			
Piping connections	Evaporator water inlet/outlet (OD)				FBSP 25mm				FBSP 40mm		
	Evaporator water drain				Field installation						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/400						



EWLD-J-SS



MicroTech III



- > Compact design to allow easy indoor installation or retrofit operations
- > Daikin semi-hermetic single screw stepless compressor
- > High efficiency at full and partial load
- > 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

Cooling only Standard efficiency Standard sound

EWLD-J-SS				110	130	145	165	195	235	265	290	310	330	360	390	430	470	500	530			
Cooling capacity	Nom.			kW	109	127	143	164	191	236	264	285	306	327	355	382	427	473	501	528		
Power input	Cooling	Nom.			kW	31.1	38.2	43.8	50.4	56.0	65.9	75.3	87.5	94.0	100	106	112	122	131	141	150	
Capacity control	Method			Stepless																		
	Minimum capacity			25									12.5									
EER				3.52	3.33	3.25			3.41	3.59	3.51	3.26			3.34	3.42	3.51	3.60	3.56	3.52		
Dimensions	Unit	HeightxWidthxDepth		mm																		
				1,020x913x2,684									2,000x913x2,684									
Weight	Unit			kg																		
		Operation weight		1,124	1,141	1,237	1,263	1,305	1,489			2,474	2,500	2,526	2,568	2,611	2,795	2,979				
Water heat exchanger - evaporator	Type			Braze plate, one per circuit																		
	Water volume			l																		
	Nominal water pressure drop			Cooling	Total	kPa	14	18	14	17	20	26			29	31	33	37	41	46	52	
Compressor	Type			Semi-hermetic single screw compressor																		
	Quantity			1									2									
Sound power level	Cooling	Nom.		88.6					87.2					92.4					91.8		91.0	
Sound pressure level	Cooling	Nom.		71.4					70.0					74.4					73.8		73.0	
Operation range	Evaporator	Cooling	Min.	°CDB																		
			Max.	-10																		
	Condenser	Cooling	Min.	°CDB																		
			Max.	25																		
			60																			
Refrigerant	Type			R-134a																		
	Circuits		Quantity	1									2									
Piping connections	Evaporator water inlet/outlet (OD)			3"																		
Power supply	Phase/Frequency/Voltage			Hz/V																		
				3~/50/400																		



EWLD-G-SS



MicroTech III



- > Steplless single-screw compressor
- > Optimised for use with R-134a
- > 1-2 truly independent refrigerant circuits
- > Standard electronic expansion valve
- > DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- > All models are PED pressure vessel approved
- > Partial heat recovery available
- > MicroTech III controller with superior control logic and easy interface

Cooling only

Standard efficiency Standard sound

EWLD-G-SS				160	190	240	280	320	360	380	420	480	550		
Cooling capacity	Nom.		kW	160	188	243	269	315	350	379	426	474	524		
Power input	Cooling	Nom.	kW	46.1	55.3	66.8	75.7	92.1	101.3	110.5	121.7	133.4	150		
Capacity control	Method			Steplless											
	Minimum capacity			25					12.5						
EER				3.47	3.40	3.64	3.55	3.42	3.46	3.43	3.50	3.55	3.48		
Dimensions	Unit	HeightxWidthxDepth		1,860x1,000x3,700				1,860x1,100x4,400		1,942x1,100x4,400					
Weight	Unit			1,280		1,398		2,442		2,446		2,501			
	Operation weight		kg	1,337		1,516		2,560		2,670					
Water heat exchanger - evaporator	Type			Single pass shell and tube											
	Water volume		l	60	56	123		118		113		173		168	
	Nominal water pressure drop	Cooling	Heat exchanger	kPa	44	60	41	49	57	55.9	64.4	49.9	50.6	60.6	
Compressor	Type			Semi-hermetic single screw compressor											
	Quantity			1					2						
Sound power level	Cooling	Nom.	dBA	87.7					90.2						
Sound pressure level	Cooling	Nom.	dBA	69.7					71.7						
Operation range	Evaporator	Cooling	Min.	°CDB			-8								
			Max.	°CDB			15								
	Condenser	Cooling	Min.	°CDB			25								
			Max.	°CDB			60								
Refrigerant	Type			R-134a											
	Circuits	Quantity		1					2						
Piping connections	Evaporator water inlet/outlet (OD)			88.9				114.3				139.7mm			
Power supply	Phase/Frequency/Voltage			Hz/V											
				3~/50/400											



EWLD-I-SS

- > DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- > Stepless single-screw compressor
- > Standard electronic expansion valve
- > All models are PED pressure vessel approved
- > Optimised for use with R-134a



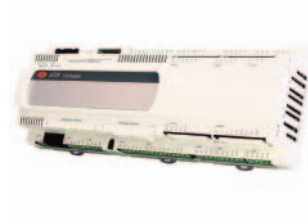
Cooling only

Standard efficiency Standard sound

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					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	HeightxWidthxDepth		mm			1,899x1,464x3,114					2,325x1,464x4,391					2,415x2,135x4,426					2,415x2,135x4,426				
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	
	Nominal 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	97			98	99	100			101			103							
Sound pressure level	Cooling	Nom.		dBA			75	76	78			79	80	81			80	81			83					
Operation range	Evaporator	Cooling	Min.	°CDB																						
			Max.	°CDB			-8																			
	Condenser	Cooling	Min.	°CDB			15																			
			Max.	°CDB			25																			
Refrigerant	Type			R-134a																						
	Charge			kg			5																			
	Circuits	Quantity		1					2					3												
Piping connections	Evaporator water inlet/outlet (OD)			42 mm																						
Power supply	Phase/Frequency/Voltage			Hz/V																						
				3~/50/400																						



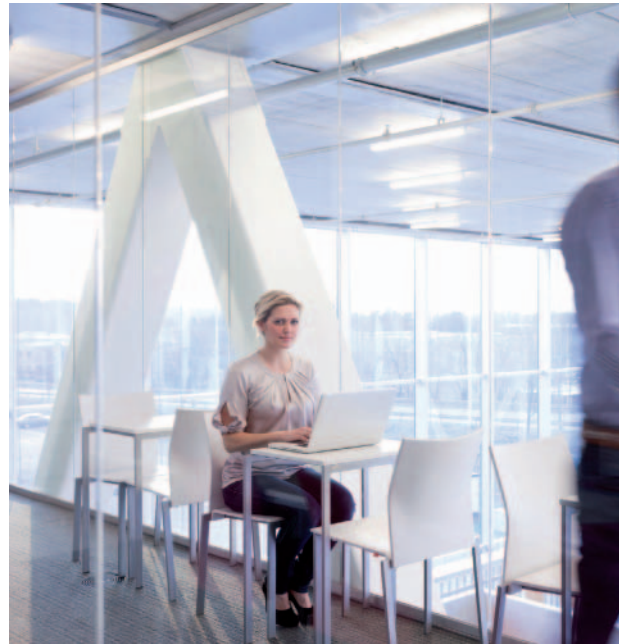
EWWD-FZXS



PCO2



- › Totally oil-free operation resulting in reduced maintenance costs and increased reliability
- › Top seasonal efficiency (ESEER up to 8.88)
- › Onboard digital electronics provide smart controls



Cooling only

High efficiency Standard sound

EWWD-FZXS				320	430	520	640	860	C10	
Cooling capacity	Max.	kW		316	439	520	639	887	1,054	
	Min.	kW		113	133	170	113	133	169	
Power input	Cooling	Max.	kW	65.1	90.4	106	129	179	208	
		Min.	kW	20.6	25.5	32.7	20.6	25.5	32.6	
Capacity control	Method			Stepless						
EER				4.85	4.86	4.93	4.97	4.95	5.06	
ESEER				8.11	8.39	8.66	8.83	8.52	8.88	
Dimensions	Unit	HeightxWidthxDepth mm		1,823x1,276x3,254		1,823x1,276x3,419	1,755x1,790x3,441	1,748x1,853x3,289	1,794x1,904x3,401	
Weight	Unit	kg		2,360	2,416	2,546	3,709	4,095	4,765	
	Operation weight		kg	2,520	2,634	2,812	4,074	4,548	5,330	
Water heat exchanger - evaporator	Type			Flooded shell and tube						
	Nominal water pressure drop	Cooling	Heat exchanger kPa	30	32	33	35	33	31	
Compressor	Type			Oil free centrifugal compressor with magnetic bearings						
	Quantity			1			2			
Sound power level	Cooling	Nom.	dB(A)	89	90	91	92	94	95	
Sound pressure level	Cooling	Nom.	dB(A)	71	72	73	74	75	76	
Operation range	Evaporator	Cooling	Min.	°CDB						
			Max.	°CDB						
	Condenser	Cooling	Min.	°CDB						
			Max.	°CDB						
Refrigerant	Type			R-134a						
	Charge	kg		240	220	180	220	220	300	
	Circuits	Quantity		1						
Piping connections	Evaporator water inlet/outlet (OD)			168.3mm			219.1mm			273mm
	Condenser water inlet/outlet (OD)			168.3mm			219.1mm			
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400						



- > Single compressor unit up to 4.5MW
- > Dual compressor unit on single circuit up to 9MW
- > Optional variable speed drives (VFD) for superior partload performance
- > Compressor unloading down to 5% for dual compressor units and 10% for single compressor units without hot gas bypass
- > Control flexibility for easy integration into BMS

WIDE CHOICE OF CAPACITIES AND EFFICIENCIES

Single compressor

- > DWSC: 300 kW - 4,500 kW - Approximately 1.1 million possible chiller offerings with combination options of motors, impellers, gears and vessels

Dual compressor

- > DWDC: 600 kW - 9,000 kW - Approximately 0.75 million possible chiller offerings with combination options of motors, impellers, gears and vessels

VARIABLE FREQUENCY DRIVE OPTION (VFD)

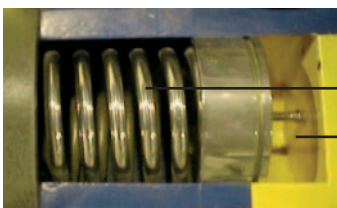
- > Inverter technology greatly improving part load efficiency
- > Reducing annual energy costs

HIGH EFFICIENCY

- > COP up to 7 at full load
- > COP up to 12 at partial load (when coupled with inverter VFD)

POWER LOSS DAMAGE PROTECTION

Power failures do not allow chillers to proceed through their normal shutdown sequence. Poor lubrication at this point can damage the bearings and reduce compressor life. The compressors are equipped with a



Piston

Lubricant reservoir

lubricant reservoir and a piston with a compressed spring that provides pressurized lubricant to the bearings during the coast-down period. Also, the compressors decelerate quickly due to the low inertia.

REFRIGERANT STORAGE CAPABILITY

The condensers are sized to hold the entire chiller refrigerant charge and are provided with the necessary valves to isolate this charge. This feature eliminates the need for separate storage vessels in most applications.



UNMATCHED UNLOADING

Unloading to 10% of full load for a DWSC single compressor chiller and 5% for a DWDC dual compressor unit, without using inefficient hot gas bypass. This unloading capability provides improved stability of the chilled water temperature and less harmful cycling of compressors.

Movable discharge diffuser increases stability and reduces vibrations.

Moveable diffuser closing off impeller discharge area

LOW OPERATIONAL SOUND LEVEL

Liquid Injection

A small amount of liquid refrigerant is taken from the condenser and injected into the compressor discharge area. The liquid droplets absorb sound energy and reduce the compressor's overall operational sound level. The droplets evaporate and reduce discharge superheat.

Quieter as chiller unloads

Daikin's design results in a reduction in sound levels at lower loads, where most chillers spend most of their operating hours.

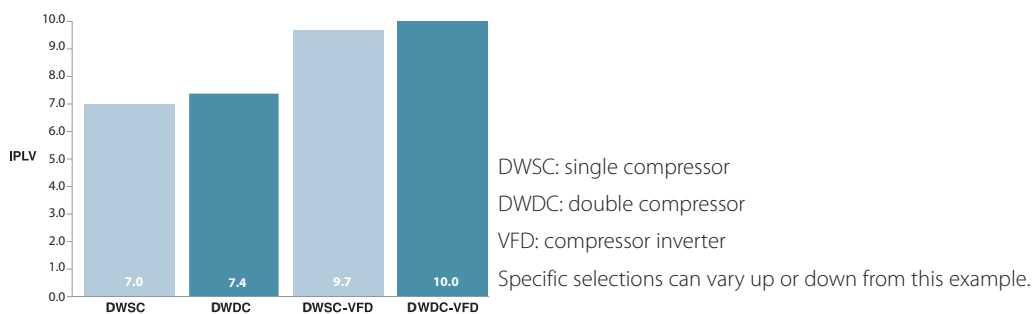
ONE DWDC DUAL COMPRESSOR CHILLER VERSUS TWO SINGLE COMPRESSOR CHILLERS

- › Lower equipment costs than two separate chillers
- › Lower installation cost than two separate chillers
- › Lower annual operating cost than either one large or two small chillers
- › Less equipment room space required than for two separate chillers (smaller footprint)
- › Capacity reduction to 5% of design value
- › Standby redundancy for most of the cooling season options of motors, impellers, gears and vessels

EXCELLENT PART LOAD EFFICIENCY

When one compressor is running, it is able to utilize the heat transfer area of the entire chiller, twice the amount found on a single compressor chiller. This huge amount of surface provides exceptional part load efficiency. The addition of VFDs to the dual compressor chiller produces a very high ARI certified Integrated Part Load Value (IPLV).

PARTIAL LOADS EFFICIENCY FOR 2,000 kW CENTRIFUGAL UNIT



R-134a

centrifugal



Reduced life cycle cost

- > Payback periods as low as 1 to 2 years

Centrifugal compressor

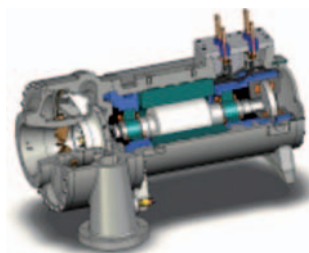
- > Industry's highest full load efficiency
- > Best part load efficiency when coupled with a variable frequency drive
- > One moving part (rotor - shaft assembly)

Unit mounted Variable Frequency Drive (VFD)

- > Very high part load efficiency
- > Great unloading capability
- > Automatic speed adjustment
- > Soft start

Magnetic bearing technology

- > No friction loss
- > No oil contamination
- > No additional oil management systems
- > Increased equipment life



WIDE CHOICE OF CAPACITIES AND EFFICIENCIES

DWME chillers can be selected with different combination of the main components such as the compressor size, the exchangers, the electrical motor, etc. A selected unit, at fixed evaporator and condenser conditions, will provide cooling capacity, power input, EER, etc. depending on the compressor speed of rotation. A dedicated selection tool is available to perform the unit selection at the real working conditions. DWME boast outstanding energy efficiencies, at both full and part load.

SIZE	COOLING CAPACITY
500S	1,400 - 1,900 kW
EER *	up to 6.50
ESEER	up to 10.0

* at Eurovent conditions:
Evaporator water In/Out 12/7°C, Condenser water In/Out 30/35°C



QUIET OPERATION

- › 76~82dB(A) of sound level at 1 meter (according to AHRI standard 575)
- › DWME chillers are ideal for sound sensitive environments such as libraries, schools, etc

EXTENSIVE PORTFOLIO OF OPTIONS

Standard options

- › Water-side vessel construction of 150psi
- › Copper evaporator and condenser tubes
- › 0.025 inches tube thickness
- › Victaulic connections
- › 2 pass heat exchangers
- › Single insulation ¾ inches on evaporator, suction and discharge piping
- › Water differential pressure switches
- › Sound insulation
- › EMI filter

SMART CONTROL

- › On-board advanced electronics allow smart control also in case of power failure
- › User friendly touch screen operator interface

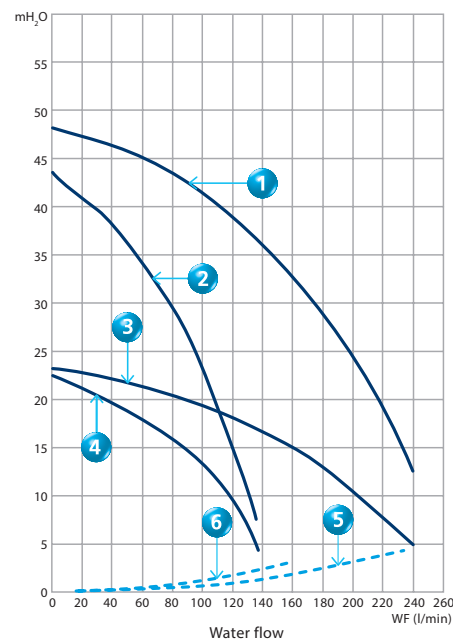
Options (on request)

- › Water-side vessel construction of 300psi
- › 0.028/0.035 inches tube thickness
- › 90/10 Cu-Ni condenser tubes (only with 0.028/0.035 tube thickness)
- › Flanged connections
- › Marine water boxes
- › 1 or 3 pass heat exchangers
- › Double insulation 1½ inches on evaporator
- › Pumpout unit
- › Refrigerant monitor
- › Low THD (Harmonics)
- › High short circuit current rating
- › Ground fault protection
- › Input power meter



EHMC-AV

- > 3 models available
- > 100 l tank for all sizes
- > freeze up protection
- > high static pump (option)
- > standard drain kit (for indoor use)
- > standard dual pressure ports (before & behind the pump)

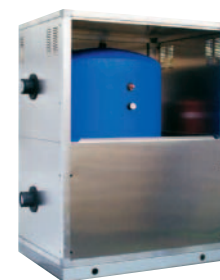


HYDRAULIC MODULE

EHMC-AV		10		15		30	
		1010	1080	1010	1080	1010	1080
Nominal flow	l/min	62		88		187	
Nominal ESP	mH ₂ O	17	34	15	27	10	27
Nominal input	W	630	1,050	650	1,070	1,070	2,090
Dimensions (HxWxD)	mm	1,284x635x688		1,284x635x688		1,284x635x688	
Machine weight	kg	99	101	102	104	105	111
Sound power	dBA	63		63		63	
Sound pressure	dBA	52		52		52	
Power supply	V1			1~/230V/50Hz			
Operation range	Water side	°C		-10°C ~ 55°C			
	Air side	°CDB		-10°C ~ 43°C			
Piping connections	Water inlet/outlet	1" BSPF		2" BSPF		2-1/2" BSPF	
	Drain connection			1/2"			

BUFFER TANK

The Daikin EKBT is a hydraulic kit for in or outdoor installation. It is designed to be installed with EUWA/Y-KBZW1 series, in closed systems, and can be used for water and glycol applications.





















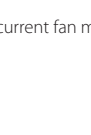
MODEL	Description	Volume	Dimensions	Unit weight
EKBT	Buffer tank with cabinet	200l	1,284x637x754	86.5
EKBT500C	Buffer tank with cabinet	500l	1,200x1,200x1,950	160
EKBT100C	Buffer tank with cabinet	1,000l	1,200x1,450x1,950	185
EKBT500N	Buffer tank	500l	710x1,670	70
EKBT10N	Buffer tank	1,000l	860x2,020	100

FAN COIL UNITS

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For more information on Options & Accessories, please refer to page 356 of this catalogue.

FAN COIL UNITS PRODUCT PORTFOLIO

Reference				1	2	3	4	5	6	7	8	9	10	11	12	16	18	20	22kW		
900x900 cassette	FWC-BT/BF	2-pipe	cooling																		
		2-pipe	heating																		
	4-pipe	cooling																			
	4-pipe	heating																			
600x600 cassette	FWF-BT/BF	2-pipe	cooling																		
		2-pipe	heating																		
	4-pipe	cooling																			
	4-pipe	heating																			
	FWF-CT	2-pipe	cooling																		
		2-pipe	heating																		
Wall mounted	FWT-CT	2-pipe	cooling																		
		2-pipe	heating																		
Flexi with cabinet	FWL-DAT/DAF	2-pipe	cooling																		
		2-pipe	heating																		
	4-pipe	cooling																			
	4-pipe	heating																			
	NEW FWR-AT/AF	2-pipe	cooling																		
		2-pipe	heating																		
	4-pipe	cooling																			
		heating																			
Flexi without cabinet	FWM-DAT/DAF	2-pipe	cooling																		
		2-pipe	heating																		
	4-pipe	cooling																			
	4-pipe	heating																			
	NEW FWS-AT/AF	2-pipe	cooling																		
		2-pipe	heating																		
4-pipe	cooling																				
	heating																				
Ducted Low ESP	FWE-CT	2-pipe	cooling																		
		2-pipe	heating																		
	4-pipe	cooling																			
	4-pipe	heating																			
Ducted Medium ESP	FWB-BT	2-pipe	cooling																		
		2-pipe	heating																		
	NEW FWP-AT	2-pipe	cooling																		
		2-pipe	heating																		
Ducted High ESP	FWD-AT/AF	2-pipe	cooling																		
		2-pipe	heating																		
	4-pipe	cooling																			
		heating																			
Floor standing	FWV-DAT/DAF	2-pipe	cooling																		
		2-pipe	heating																		
	4-pipe	cooling																			
		heating																			
	NEW FWZ-AT/AF	2-pipe	cooling																		
		2-pipe	heating																		
4-pipe	cooling																				
heating																					

* BLDC: inverter driven brushless direct current fan motor



FWC-BT/BF



BRC315D7



BRC7F532F



- > 360° air discharge ensures uniform air flow and temperature distribution
- > Modern style decoration panel in white (RAL9010)
- > Fresh air intake for healthy living
- > 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



Heating only & Cooling only

FWC-BT/BF				2-PIPE				4-PIPE			
				FWC06BT	FWC07BT	FWC08BT	FWC09BT	FWC06BF	FWC07BF	FWC08BF	FWC09BF
Cooling capacity	Total capacity	High	kW	5.0	5.6	6.3	7.2	4.9	5.6	6.3	7.2
	Sensible capacity	High	kW	3.4	4.0	4.5	5.3	3.4	3.9	4.4	5.2
Heating capacity	2-Pipe	High	kW	6.3	7.1	8.3	9.5				
	4-Pipe	High	kW					6.2	6.8	7.8	8.8
Power input	High		W	40	46	58	76	41	47	59	77
Dimensions	Unit	HeightxWidthxDepth	mm	288x840x840							
Weight	Unit		kg	26				29			
Water pressure drop	Cooling		kPa	15	19	26	34	15	19	25	32
	Heating		kPa	15	19	26	34	24	30	38	47
Fan	Type			Turbo fan							
	Quantity			1							
	Air flow rate	High	m ³ /h	1,062	1,236	1,518	1,776	1,032	1,200	1,476	1,746
Sound power level	High		dB(A)	36	39	44	49	36	39	44	49
Sound pressure level	High		dB(A)	24	28	32	37	24	28	32	37
Piping connections	Water	Inlet		3/4" BSP (female thread)							
		Outlet		3/4" BSP (female thread)							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240							



FWF-BT/BF



BRC315D7



BRC7F532F

- > Modern style decoration panel in white
- > 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
- > Fresh air intake for healthy living
- > **Possibility to shut 1 or 2 flaps for easy installation in corners**
- > Standard drain pump with 750mm lift



Heating only & Cooling only

FWF-BT/BF				2-PIPE				4-PIPE			
				FWF02BT	FWF03BT	FWF04BT	FWF05BT	FWF02BF	FWF03BF	FWF04BF	FWF05BF
Cooling capacity	Total capacity	High	kW	1.7	2.8	3.3	4.0	1.7	2.3	2.8	3.5
	Sensible capacity	High	kW	1.3	1.7	2.1	2.7	1.3		1.7	2.3
Heating capacity	2-Pipe	High	kW	2.6	3.4	4.1	5.3				
	4-Pipe	High	kW					3.1	3.3	3.9	4.8
Power input	High		W	67		70	89	67	62	74	93
Dimensions	Unit	HeightxWidthxDepth	mm	285x575x575							
Weight	Unit		kg	19				20			
Water pressure drop	Cooling		kPa	6	19	31	42	6	13	21	33
	Heating		kPa	6	19	31	42	12	6	9	13
Fan	Type			Turbo fan							
	Quantity			1							
	Air flow rate	High	m ³ /h	468	660	876	468	438	618	822	
Sound power level	High		dB(A)	40	44	49	40	42	46	51	
Sound pressure level	High		dB(A)	27		33	39	27	29	35	41
Piping connections	Water	Inlet		3/4" BSP (female thread)							
		Outlet		3/4" BSP (female thread)							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-440							



FWF-CT



MERCA



SRC-COA/HPA



WRC-HPC

- > 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



Heating only & Cooling only

FWF-CT				2-PIPE		
				FWF02CT	FWF03CT	FWF04CT
Cooling capacity	Total capacity	High	kW	2.49	4.10	4.54
	Sensible capacity	High	kW	1.91	2.93	3.37
Heating capacity	2-Pipe	High	kW	3.52	4.69	5.28
Power input	High		W	63	64	79
Current input	High		A	0.27	0.28	0.34
	Medium		A	0.22	0.25	0.31
	Low		A	0.19	0.22	0.35
Dimensions	Unit	HeightxWidthxDepth	mm	250x570x570		
Weight	Unit		kg	22	23	
	Operation weight		kg	22	23	
Water pressure drop	Cooling		kPa	19.00	27.00	29.00
	Heating		kPa	17.00	24.00	27.00
Fan	Type	Direct drive turbo fan				
	Quantity	1				
	Air flow rate	High	m ³ /h	646	680	748
Sound power level	High		dB(A)	52	54	56
Sound pressure level	High		dB(A)	42	45	48
Piping connections	Drain	OD	mm	19.05		
Water connections	Std. heat exchanger		inch	3/4		
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-440		

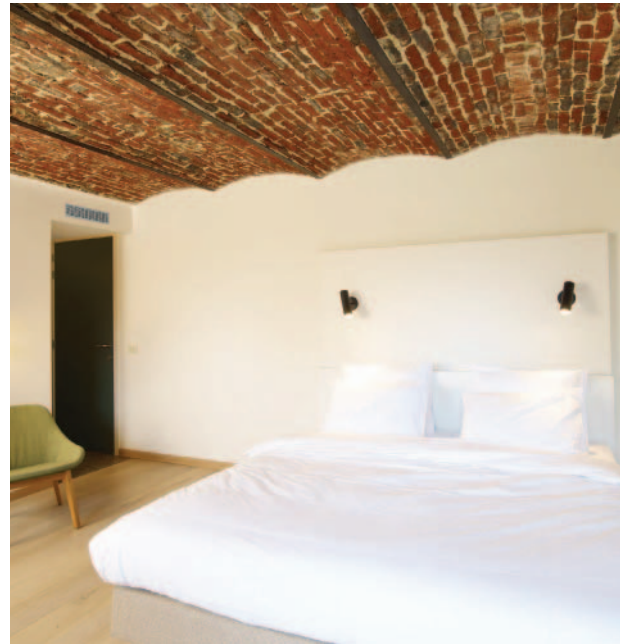


FWP-AT



FWEC3A

- > Blends unobtrusively with any interior décor: only the suction and discharge grills are visible
- > Up to 50% energy saving with BLDC 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



Heating only & Cooling only

FWP-AT				2-PIPE					
				FWP02AT	FWP03AT	FWP04AT	FWP05AT	FWP06AT	FWP07AT
Cooling capacity	Total capacity	High	kW	2.61	3.14	3.49	5.08	5.45	6.47
	Sensible capacity	High	kW	1.88	2.16	2.34	3.6	3.87	4.4
Heating capacity	2-Pipe	High	kW	5.47	6.01	6.47	10.31	11.39	12.28
	4-Pipe	High	kW		3.14			5.99	
Power input	High		W		46.4			80	
Dimensions	Unit	HeightxWidthxDepth	mm	239x1,039x609			239x1,389x609		
Weight	Unit		kg	23	24	26	31	33	35
	Operation weight		kg	24	26	28	33	35	38
Heat exchanger	Water volume		l	1.1	1.5	2.2	1.6	2.1	3.2
Additional heat exchanger	Water volume		l		0.4			0.6	
Water flow	Cooling		l/h	448	539	598	873	936	1,111
	Heating		l/h	480	527	567	904	999	1,077
	Additional heat exchanger		l/h		275			526	
Water pressure drop	Cooling		kPa	8	14	11	15	8	14
	Heating		kPa	7	10	8	12	7	10
	Additional heat exchanger		kPa		3			5	
Fan	Type	Centrifugal - forward blades - directly coupled on fan motor							
	Quantity	1							
	Air flow rate	High	m³/h		400				800
	Available pressure	High	Pa		71				65
Sound power level	High		dBA		55.6			60.6	
Sound pressure level	High		dBA		44.1			49.1	
Piping connections	Drain	OD	mm	16					
Water connections	Std. heat exchanger		inch	3/4					
	Add. heat exchanger		inch	3/4					
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230					



FWB04BT



FWEC1, 2, 3A

- > **Low sound power levels and electrical absorption thanks to plastic impeller, ABS winding staircase and improved electric motor**
- > Compact dimensions, can easily be mounted in a narrow ceiling void
- > 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



Heating only & Cooling only

FWB-BT				2-PIPE								
				FWB02BT	FWB03BT	FWB04BT	FWB05BT	FWB06BT	FWB07BT	FWB08BT	FWB09BT	FWB10BT
Cooling capacity	Total capacity	High	kW	2.61	3.14	3.49	5.08	5.45	6.47	7.57	8.67	10.34
	Sensible capacity	High	kW	1.88	2.16	2.34	3.6	3.87	4.4	5.23	5.96	6.9
Heating capacity	2-Pipe	High	kW	5.47	6.01	6.47	10.31	11.39	12.28	15.05	16.85	18.78
	4-Pipe	High	kW	3.14			5.99			12.8		
Power input	High		W	79			154			294		
	Medium		A	0.36			0.73			1.28		
Current input	High		A	0.21			0.60			0.90		
	Low		A	0.14			0.33			0.70		
Dimensions	Unit	HeightxWidthxDepth	mm	239x1,039x609			239x1,389x609			239x1,739x609		
	Weight	Unit	kg	23	24	26	31	33	35	43	45	48
Heat exchanger	Operation weight		kg	24	26	28	33	35	38	45	48	52
	Water volume		l	1.1	1.5	2.2	1.6	2.1	3.2	2.1	2.8	4.2
Additional heat exchanger	Water volume		l	0.4			0.6			1.7		
	Water flow	Cooling	l/h	448	539	598	873	936	1,111	1,299	1,488	1,774
Heating		l/h	480	527	567	904	999	1,077	1,319	1,479	1,647	
Additional heat exchanger		l/h	275			526			1,123			
Water pressure drop	Cooling		kPa	8	14	11	15	8	14	21		26
	Heating		kPa	7	10	8	12	7	10	16	15	18
	Additional heat exchanger			kPa	3			5			8	
Fan	Type			Centrifugal - forward blades - directly coupled on fan motor								
	Quantity			1			2			3		
	Air flow rate	High	m ³ /h	400			800			1,200		
	Available pressure	High	Pa	71			65			59		
Sound power level	High		dB(A)	56			59			69		
Sound pressure level	High		dB(A)	44.5			47.5			57.5		
Piping connections	Drain	OD	mm	16								
Water connections	Std. heat exchanger		inch	3/4								
	Add. heat exchanger		inch	3/4			3/4			1		
Power supply	Phase/Frequency/Voltage		Hz/V				1~/50/230					

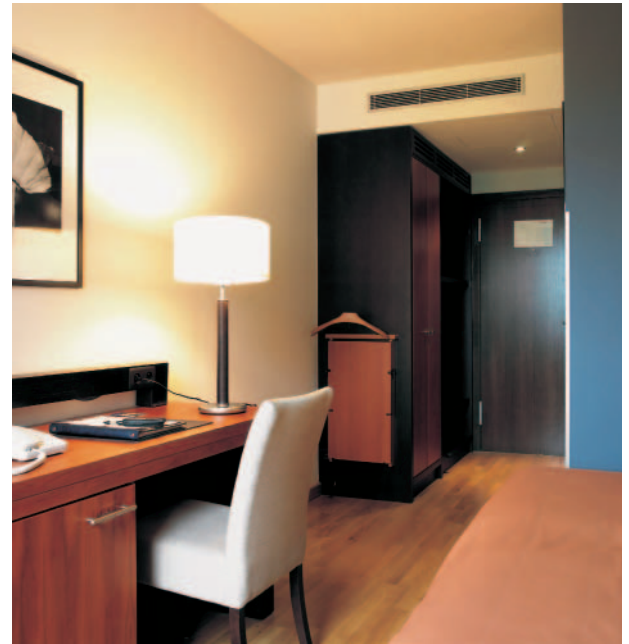


FWE-CT/CF



FWEC1,2,3A

- > Easy installation and maintenance
- > 4-speed fan motor
- > High power air flow
- > Wired electronic controllers range
- > Available static pressure up to 50Pa
- > 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



Heating only & Cooling only

FWE-CT/CF			2-PIPE								4-PIPE								
			FWE02CT	FWE03CT	FWE04CT	FWE06CT	FWE07CT	FWE08CT	FWE10CT	FWE02CF	FWE03CF	FWE04CF	FWE06CF	FWE07CF	FWE08CF	FWE10CF			
Cooling capacity	Total capacity	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		
	Sensible capacity	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		
Heating capacity	2-Pipe	High	kW	2.31	3.67	4.44	6.65	7.62	9.18	11.10									
	4-Pipe	High	kW							1.94	3.06	3.76	5.37	6.42	7.52	9.16			
Power input	High		W	39	54	59	93	128	145	180	39	54	59	93	128	145	180		
Current input	Super high		A	0.206	0.309	0.372	0.533	0.731	0.811	1.031	0.206	0.309	0.372	0.533	0.731	0.811	1.031		
	High		A	0.174	0.243	0.265	0.430	0.575	0.648	0.780	0.174	0.243	0.265	0.430	0.575	0.648	0.780		
	Medium		A	0.150	0.208	0.217	0.325	0.472	0.523	0.648	0.150	0.208	0.217	0.325	0.472	0.523	0.648		
	Low		A	0.128	0.177	0.188	0.271	0.400	0.456	0.540	0.128	0.177	0.188	0.271	0.400	0.456	0.540		
Dimensions	Unit	HeightxWidthxDepth	mm	253x590x705	253x590x875	253x590x1,005	253x590x1,205	253x590x1,455	253x590x1,555	253x590x1,815	253x590x705	253x590x875	253x590x1,005	253x590x1,205	253x590x1,455	253x590x1,555	253x590x1,815		
Weight	Unit		kg	17	20	24	28	37	39	46	18	22	25	30	40	41	49		
	Operation weight		kg	17	20	24	28	37	39	46	18	22	25	30	40	41	49		
Heat exchanger	Water volume		l	0.74	1.02	1.24	1.56	1.97	2.14	2.56	0.74	1.02	1.24	1.56	1.97	2.14	2.56		
Additional heat exchanger	Water volume		l							0.25	0.34	0.41	0.52	0.66	0.71	0.85			
Water flow	Cooling		l/h	360	540	756	1,044	1,188	1,368	1,728	360	540	720	1,044	1,188	1,332	1,728		
	Heating		l/h	252	360	504	684	828	936	1,188	108	180	216	324	432	468	576		
Water pressure drop	Cooling		kPa	15.1	11.7	23.9	46.4	14.8	19.3	32.9	14.5	11.4	21.6	46.3	14.6	19.1	32.7		
	Heating		kPa	6.1	4.9	9.7	17.9	6.6	8.4	13.7	3.6	8.8	15.6	31.8	58.6	74.6	123		
Fan	Type			Centrifugal (Blade: Forward - curve)															
	Quantity			1		2		3		4		1		2		3		4	
	Air flow rate	High	m ³ /h	311	518	619	926	1,188	1,413	1,735	302.41	501.23	571.11	905.11	1,173.36	1,386.46	1,728.98		
Sound power level	High		dB(A)	49	56	48	55	57	58	60	49	56	48	55	57	58	60		
Sound pressure level	High		dB(A)	39	46	38	45	47	48	49	39	46	38	45	47	48	49		
Piping connections	Drain	OD	mm	19.05															
Water connections	Std. heat exchanger		inch	3/4															
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240															



FWR-AT/AF



FWR-AT/AF



FWEC3A

- > For wall or ceiling mounted installation: ideal solution for spaces with no false ceilings
- > Up to 70% energy saving with BLDC 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



Heating only & Cooling only

FWR-AT/AF				2-PIPE				4-PIPE			
				FWR02AT	FWR03AT	FWR06AT	FWR08AT	FWR02AF	FWR03AF	FWR06AF	FWR08AF
Cooling capacity	Total capacity	Max.	kW	2.64	4.96	6.32	10.08	2.64	4.96	6.32	10.08
	Sensible capacity	Max.	kW	1.95	3.60	4.80	7.43	1.95	3.60	4.80	7.43
Heating capacity	2-Pipe	Max.	kW	3.47	6.40	7.51	11.18	-			
	4-Pipe	Max.	kW	-				2.46	4.19	6.45	10.06
Power input	Max.		W	57.4	82.7	101.4	147	57.4	82.7	101.4	147
Current input	Max.		A	0.50	0.72	0.88	1.27	0.50	0.72	0.88	1.27
	Min.		A	0.05		0.07	0.09	0.05		0.07	0.09
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x226	564x987x226	564x1,194x226	564x1,404x251	564x774x226	564x987x226	564x1,194x226	564x1,404x251
Weight	Unit		kg	21	27	33	44	22	28	35	46
Heat exchanger	Water volume		l	0.7	1	1.4	2.1	0.7	1	1.4	2.1
Additional heat exchanger	Water volume		l	-				0.2	0.3	0.4	0.6
Water flow	Cooling		l/h	454	853	1,084	1,728	454	853	1,084	1,728
	Heating		l/h	454	853	1,084	1,728	216	367	565	882
Water pressure drop	Cooling		kPa	20	29	24	25	20	29	24	25
	Heating		kPa	16	23	19	20	11	9	14	45
Fan	Type	Centrifugal multi-blade, double suction									
	Quantity			1	2			1	2		
	Air flow rate	Max.	m ³ /h	560	900	1,200	1,660	560	900	1,200	1,660
Sound power level	Max.		dB(A)	62	70	64	71	62	70	64	71
Piping connections	Water	Inlet		1/2"			3/4"	1/2"			3/4"
		Outlet		1/2"			3/4"	1/2"			3/4"
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230							



FWS-AT/AF



FWS-AT/AF



FWEC3A

- > Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- > Up to 70% energy saving with BLDC 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



Heating only & Cooling only

FWS-AT/AF				2-PIPE				4-PIPE				
				FWS02AT	FWS03AT	FWS06AT	FWS08AT	FWS02AF	FWS03AF	FWS06AF	FWS08AF	
Cooling capacity	Total capacity	Max.	kW	2.64	4.96	6.32	10.08	2.64	4.96	6.32	10.08	
	Sensible capacity	Max.	kW	1.95	3.60	4.80	7.43	1.95	3.60	4.80	7.43	
Heating capacity	2-Pipe	Max.	kW	3.47	6.40	7.51	11.18					
	4-Pipe	Max.	kW					2.46	4.19	6.45	10.06	
Power input	Max.		W	57.4	82.7	101.4	147	57.4	82.7	101.4	147	
Current input	Max.		A	0.50	0.72	0.88	1.27	0.50	0.72	0.88	1.27	
	Min.		A	0.05		0.07	0.09	0.05		0.07	0.09	
Dimensions	Unit	HeightxWidthxDepth	mm	535x584x224	535x794x224	535x1,004x224	535x1,214x249	535x584x224	535x794x224	535x1,004x224	535x1,214x249	
Weight	Unit		kg	15	19	23	32	16	20	25	34	
Heat exchanger	Water volume		l	0.7	1	1.4	2.1	0.7	1	1.4	2.1	
Additional heat exchanger	Water volume		l					0.2	0.3	0.4	0.6	
Water flow	Cooling		l/h	454	853	1,084	1,728	454	853	1,084	1,728	
	Heating		l/h	454	853	1,084	1,728	216	367	565	882	
Water pressure drop	Cooling		kPa	20	29	24	25	20	29	24	25	
	Heating		kPa	16	23	19	20	11	9	14	45	
Fan	Type	Centrifugal multi-blade, double suction										
	Quantity				1	2			1	2		
	Air flow rate	Max.	m ³ /h	560	900	1,200	1,660	560	900	1,200	1,660	
Sound power level	Max.		dB(A)	62	70	64	71	62	70	64	71	
Piping connections	Water	Inlet		1/2"			3/4"			1/2"		
		Outlet		1/2"			3/4"			1/2"		
	Drain	OD	mm	17								
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230								



FWL-DAT/DAF



FWL-DAT/DAF

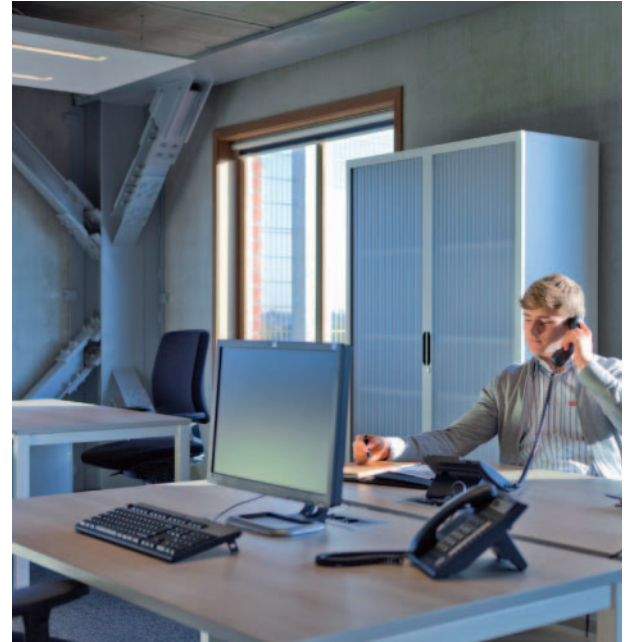


FWEC1, 2, 3A



ECFWMB6

- > Valve packages are insulated, no extra drain pan required
- > The air filter can easily be removed for cleaning
- > Valve packages contain balancing valves and sensor pocket
- > **Quick fixing system for wall or ceiling mounted installation**
- > Pre-assembled 3-way/4-port on/off valves are available
- > Fast-on connections for electrical options: no tools needed



Heating only & Cooling only

FWL-DAT/DAF				2-PIPE										4-PIPE										
				01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10	
Cooling capacity	Total capacity	High	kW	1.54	1.74	1.96	2.42	2.93	3.51	4.33	4.77	6.71	8.02	1.46	1.69	1.79	2.38	2.87	3.46	4.26	4.67	6.64	7.88	
	Sensible capacity	High	kW	1.20	1.30	1.42	1.88	2.11	2.72	3.15	3.65	4.91	5.96	1.14	1.27	1.46	1.85	2.07	2.71	3.09	3.57	4.85	5.85	
Heating capacity	2-Pipe	High	kW	2.14	2.20	2.57	3.20	3.81	4.78	5.10	5.95	7.83	10.03											
	4-Pipe	High	kW											1.90	2.02	2.01	2.92	3.08	4.80	5.05	5.30	7.91	8.35	
Power input	High	W	37	53	57	56	98				182	244	37	53	57	56	98				182	244		
Current input	High	A	0.17	0.24	0.26	0.25	0.44		0.43	0.82	1.10	0.17	0.24	0.26	0.25	0.44		0.43	0.82	1.10				
	Medium	A	0.13	0.16		0.21	0.20	0.29		0.31	0.57	0.76	0.13	0.16		0.21	0.20	0.29		0.31	0.57	0.76		
	Low	A	0.10	0.12	0.11	0.14		0.19	0.22	0.39	0.50	0.10	0.12	0.11	0.14		0.19	0.22	0.39	0.50				
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x226			564x987x226			564x1,194x226			564x1,404x251			564x774x226			564x987x226			564x1,404x251		
Weight	Unit	kg	20	21		27		32	33		44	21	22		28		34	35		46				
Heat exchanger	Water volume	l	0.5		0.7		1		1.4		2.1		0.5		0.7		1		1.4		2.1			
Additional heat exchanger	Water volume	l											0.2		0.3		0.4				0.6			
Water flow	Cooling	l/h	264	298	337	415	504	602	743	818	1,152	1,376	250	291	176	409	494	594	730	803	1,138	1,362		
	Heating	l/h	264	298	337	415	504	602	743	818	1,152	1,376	167	177	182	257	270	421	443	465	694	733		
Water pressure drop	Cooling	kPa	13	14	12	16	11	12		14	12	19	12	14	13	16	11	12		14	12	16		
	Heating	kPa	11	12	10	13	9	10		12	10	16	6	8	7	4	5	9	12	10	30			
Fan	Type	Centrifugal multi-blade, double suction																						
	Quantity	1			2						1			2										
Sound power level	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		
	High	dB(A)	47	49	50	48		52	53	56	61	67	45	49	50	48	47	51	56	59	60	66		
Piping connections	Water	Inlet					1/2"						3/4"								3/4"			
		Outlet					1/2"						3/4"								3/4"			
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230																					



FWM-DAT/DAF



FWM-DAT/DAF



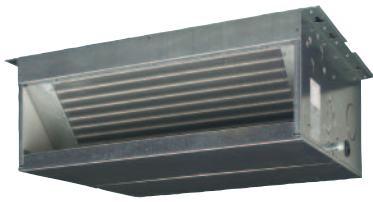
FWEC1, 2, 3A

- > The air filter can easily be removed for cleaning
- > Valve packages are insulated, no extra drain pan required
- > Valve packages contain balancing valves and sensor pocket
- > Quick fixing system for wall or ceiling mounted installation
- > Pre-assembled 3-way/4-port on/off valves are available
- > **Fast-on connections for electrical options: no tools needed**



Heating only & Cooling only

FWM-DAT/DAF				2-PIPE										4-PIPE													
				01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10				
Cooling capacity	Total capacity	High	kW	1.54	1.74	1.96	2.42	2.93	3.51	4.33	4.77	6.71	8.02	1.46	1.69	1.79	2.38	2.87	3.46	4.26	4.67	6.64	7.88				
	Sensible capacity	High	kW	1.20	1.30	1.42	1.88	2.11	2.72	3.15	3.65	4.91	5.96	1.14	1.27	1.46	1.85	2.07	2.71	3.09	3.57	4.85	5.85				
Heating capacity	2-Pipe	High	kW	2.14	2.20	2.57	3.20	3.81	4.78	5.10	5.95	7.83	10.03														
	4-Pipe	High	kW											1.90	2.02	2.01	2.92	3.08	4.80	5.05	5.30	7.91	8.35				
Power input	High	W	37	53	57	56	98				182	244	37	53	57	56	98				182	244					
Current input	High	A	0.17	0.24	0.26	0.25	0.44	0.43	0.82	1.10	0.17	0.24	0.26	0.25	0.44	0.43	0.82	1.10									
	Medium	A	0.13	0.16	0.21	0.20	0.29	0.31	0.57	0.76	0.13	0.16	0.21	0.20	0.29	0.31	0.57	0.76									
	Low	A	0.10	0.12	0.11	0.14	0.19	0.22	0.39	0.50	0.10	0.12	0.11	0.14	0.19	0.22	0.39	0.50									
Dimensions	Unit	HeightxWidthxDepth	mm	535x584x224			535x794x224			535x1,004x224			535x1,214x249			535x584x224			535x794x224			535x1,004x224			535x1,214x249		
Weight	Unit	kg	14	15	19	23				32	15	16	20	25				34									
Heat exchanger	Water volume	l	0.5		0.7	1				1.4	2.1	0.5		0.7	1				1.4	2.1							
Additional heat exchanger	Water volume	l											0.2		0.3		0.4				0.6						
Water flow	Cooling	l/h	264	298	337	415	504	602	743	818	1,152	1,376	250	291	176	409	494	594	730	803	1,138	1,362					
	Heating	l/h	264	298	337	415	504	602	743	818	1,152	1,376	167	177	182	257	270	421	443	465	694	733					
Water pressure drop	Cooling	kPa	13	14	12	16	11	12	14	12	19	12	14	13	16	11	12	14	12	16							
	Heating	kPa	11	12	10	13	9	10	12	10	16	6	8	7	4	5	9	12	10	30							
Fan	Type	Centrifugal multi-blade, double suction																									
	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						
Sound power level	High	dB(A)	47	49	50	48	52	53	56	61	67	45	49	50	48	47	51	56	59	60	66						
Piping connections	Water	Inlet	1/2"						3/4"			1/2"						3/4"									
		Outlet	1/2"						3/4"			1/2"						3/4"									
	Drain	OD	mm	17																							
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230																								



FWD04AT/AF



FWD04AT/AF



FWEC1,2,3A

- > Quick fixing system for wall or ceiling mounted installation
- > **Straight duct connector is mounted to discharge side**
- > Electronic controller with water probe, available in standard, advanced and advanced plus version
- > The air filter can easily be removed for cleaning



Heating only & Cooling only

FWD-AT/AF				2-PIPE						4-PIPE								
				FWD04AT	FWD06AT	FWD08AT	FWD10AT	FWD12AT	FWD16AT	FWD18AT	FWD04AF	FWD06AF	FWD08AF	FWD10AF	FWD12AF	FWD16AF	FWD18AF	
Cooling capacity	Total capacity	High	kW	3.90	6.20	7.80	8.82	11.90	16.40	18.30	3.90	6.20	7.80	8.82	11.90	16.40	18.30	
	Sensible capacity	High	kW	3.08	4.65	6.52	7.16	9.36	12.80	14.10	3.08	4.65	6.52	7.16	9.36	12.80	14.10	
Heating capacity	2-Pipe	High	kW	4.05	7.71	9.43	10.79	14.45	19.81	21.92								
	4-Pipe	High	kW	-						4.49	6.62	9.21	15.86	21.15				
Power input	High		W	234	349	443	714	1,197	234	349	443	714	1,197					
Current input	High		A	0.95	1.58	1.97	3.21	5.37	0.95	1.58	1.97	3.21	5.37					
	Medium		A	0.74	1.39	1.52	2.08	4.38	0.74	1.39	1.52	2.08	4.38					
	Low		A	0.57	1.18	1.20	1.50	3.26	0.57	1.18	1.20	1.50	3.26					
Dimensions	Unit	HeightxWidthxDepth	mm	280x754x559	280x964x559	280x1,174x559	352x1,174x718	352x1,384x718	280x754x559	280x964x559	280x1,174x559	352x1,174x718	352x1,384x718					
Weight	Unit		kg	33	41	47	49	65	77	80	35	43	50	52	71	83	86	
Heat exchanger	Water volume		l	1.06	1.42	1.79	2.38	2.5	4.02	5.03	1.06	1.42	1.79	2.38	2.50	4.02	5.03	
Additional heat exchanger	Water volume		l	-						0.35	0.47	0.59	1.42	1.72				
Water flow	Cooling		l/h	674	1,064	1,339	1,514	2,056	2,833	3,140	674	1,064	1,339	1,514	2,056	2,833	3,140	
	Heating		l/h	674	1,064	1,339	1,514	2,056	2,833	3,140	349	581	808	1,392	1,856			
Water pressure drop	Cooling		kPa	17	24	16	26	34	45	17	24	16	26	34	45			
	Heating		kPa	14	20	13	21	28	37	9	15	13	12	16				
Fan	Type			Centrifugal multi-blade, double suction														
	Quantity			1	2						1	2						
	Air flow rate	High	m ³ /h	800	1,250	1,600	2,200	3,000			800	1,250	1,600	2,200	3,000			
Available pressure	High	Pa	66	58	68	64	97	145	134	63	53	63	59	92	138	128		
Sound power level	High		dB(A)	66	69	72	74	78	66	69	72	74	78					
Piping connections	Drain	OD	mm	16						16								
Water connections	Std. heat exchanger		inch	3/4				1		3/4				1				
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230														



FWT-CT



WRC-HPC

- > Wide operating range
- > Easy installation and maintenance
- > 3-speed fan motor
- > Double-intake centrifugal fans
- > Excellent air flow and air distribution
- > Flexibility via interchangeable water connection side
- > High power air flow
- > Insulated with self-extinguishing class 1 heat insulation
- > Removable washable air filter (self-extinguishing class 1)
- > **Wireless remote control up to 9m distance, availability of a wired or simplified controller**
- > LED indicator gives an indication on the (normal or wrong) operation of the unit



Heating only & Cooling only

FWT-CT				2-PIPE				
				FWT02CT	FWT03CT	FWT04CT	FWT05CT	FWT06CT
Cooling capacity	Total capacity	High	kW	2.43	2.70	3.31	4.54	5.28
	Sensible capacity	High	kW	1.85	2.02	2.64	3.43	4.10
Heating capacity	2-Pipe	High	kW	3.22	3.52	4.40	6.01	5.26
Power input	High		W	31	32	42	53	72
Current input	High		A	0.19	0.20	0.21	0.29	0.34
	Medium		A	0.18		0.20	0.26	0.32
	Low		A	0.17		0.19	0.25	0.31
Dimensions	Unit	HeightxWidthxDepth	mm	288x800x206			310x1,065x224	
Weight	Unit		kg	9			14	
	Operation weight		kg	9.5	9.6		15	
Heat exchanger	Water volume		l	0.52	0.58		0.95	
Water flow	Cooling		l/h	420	460	570	780	910
	Heating		l/h	420	460	570	780	910
Water pressure drop	Cooling		kPa	34	24	31	28	32
	Heating		kPa	29	20		25	29
Fan	Type			Cross flow fan				
	Quantity			1				
	Air flow rate	High	m ³ /h	442	476	629	866	1,053
Sound power level	High		dB(A)	45	48	55		59
Sound pressure level	High		dB(A)	34	35	42		46
Piping connections	Drain	OD	mm	19				
Water connections	Std. heat exchanger		inch	1/2				

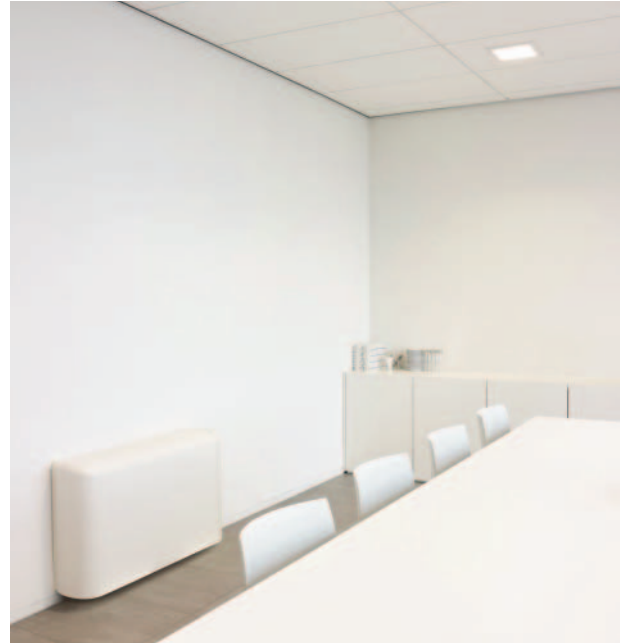


FWZ-AT/AF



FWEC3A

- › Up to 70% energy saving with BLDC 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



Heating only & Cooling only

FWZ-AT/AF				2-PIPE				4-PIPE						
				FWZ02AT	FWZ03AT	FWZ06AT	FWZ08AT	FWZ02AF	FWZ03AF	FWZ06AF	FWZ08AF			
Cooling capacity	Total capacity	Max.	kW	2.64	4.96	6.32	10.08	2.64	4.96	6.32	10.08			
	Sensible capacity	Max.	kW	1.95	3.60	4.80	7.43	1.95	3.60	4.80	7.43			
Heating capacity	2-Pipe	Max.	kW	3.47	6.40	7.51	11.18							
	4-Pipe	Max.	kW					2.46	4.19	6.45	10.06			
Power input	Max.		W	57.4	82.7	101.4	147	57.4	82.7	101.4	147			
Current input	Max.		A	0.50	0.72	0.88	1.27	0.50	0.72	0.88	1.27			
	Min.		A	0.05		0.07	0.09	0.05		0.07	0.09			
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x226	564x987x226	564x1,194x226	564x1,404x251	564x774x226	564x987x226	564x1,194x226	564x1,404x251			
Weight	Unit		kg	20	25	31	41	21	26	33	44			
Heat exchanger	Water volume		l	0.7	1	1.4	2.1	0.7	1	1.4	2.1			
Additional heat exchanger	Water volume		l					0.2	0.3	0.4	0.6			
Water flow	Cooling		l/h	454	853	1,084	1,728	454	853	1,084	1,728			
	Heating		l/h	454	853	1,084	1,728	216	367	565	882			
Water pressure drop	Cooling		kPa	20	29	24	25	20	29	24	25			
	Heating		kPa	16	23	19	20	11	9	14	45			
Fan	Type	Centrifugal multi-blade, double suction												
	Quantity				1	2			1	2				
	Air flow rate	Max.	m ³ /h	560	900	1,200	1,660	560	900	1,200	1,660			
Sound power level	Max.		dB(A)	62	70	64	71	62	70	64	71			
Piping connections	Water	Inlet		1/2"			3/4"			1/2"			3/4"	
		Outlet		1/2"			3/4"			1/2"			3/4"	
	Drain	OD	mm	16										
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230										



FWV01, 02DAT/DAF



FWEC1, 2, 3A



ECFWMB6

- > 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



Heating only & Cooling only

FWV-DAT/DAF				2-PIPE										4-PIPE													
				01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10				
Cooling capacity	Total capacity	High	kW	1.54	1.74	1.96	2.42	2.93	3.51	4.33	4.77	6.71	8.02	1.46	1.69	1.79	2.38	2.87	3.46	4.26	4.67	6.64	7.88				
	Sensible capacity	High	kW	1.20	1.30	1.42	1.88	2.11	2.72	3.15	3.65	4.91	5.96	1.14	1.27	1.46	1.85	2.07	2.71	3.09	3.57	4.85	5.85				
Heating capacity	2-Pipe	High	kW	2.14	2.20	2.57	3.20	3.81	4.78	5.10	5.95	7.83	10.03														
	4-Pipe	High	kW											1.90	2.02	2.01	2.92	3.08	4.80	5.05	5.30	7.91	8.35				
Power input	High		W	37	53	57	56	98			182	244	37	53	57	56	98			182	244						
Current input	High		A	0.17	0.24	0.26	0.25	0.44	0.43	0.82	1.10	0.17	0.24	0.26	0.25	0.44	0.43	0.82	1.10								
	Medium		A	0.13	0.16	0.21	0.20	0.29	0.31	0.57	0.76	0.13	0.16	0.21	0.20	0.29	0.31	0.57	0.76								
	Low		A	0.10	0.12	0.11	0.14	0.19	0.22	0.39	0.50	0.10	0.12	0.11	0.14	0.19	0.22	0.39	0.50								
Dimensions	Unit	HeightxWidthxDepth	mm	564x774x226			564x987x226			564x1,194x226			564x1,404x251			564x774x226			564x987x226			564x1,194x226			564x1,404x251		
Weight	Unit		kg	19	20	25	30	31	41	20	21	26	32	33	44												
Heat exchanger	Water volume		l	0.5		0.7	1	1.4	2.1	0.5		0.7	1	1.4	2.1												
Additional heat exchanger	Water volume		l											0.2		0.3		0.4		0.6							
Water flow	Cooling		l/h	264	298	337	415	504	602	743	818	1,152	1,376	250	291	176	409	494	594	730	803	1,138	1,362				
	Heating		l/h	264	298	337	415	504	602	743	818	1,152	1,376	167	177	182	257	270	421	443	465	694	733				
Water pressure drop	Cooling		kPa	13	14	12	16	11	12	14	12	19	12	14	13	16	11	12	14	12	16						
	Heating		kPa	11	12	10	13	9	10	12	10	16	6	8	7	4	5	9	12	10	30						
Fan	Type	Centrifugal multi-blade, double suction																									
	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						
Sound power level	High	dBA	47	49	50	48	52	53	56	61	67	45	49	50	48	47	51	56	59	60	66						
Piping connections	Water	Inlet											1/2"			1/2"						3/4"					
		Outlet											3/4"			1/2"						3/4"					
	Drain	OD	mm	16																							
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230																								



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

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For more information on Options & Accessories, please refer to page 356 of this catalogue.

Daikin Air handling units

Overview

Air flow (m³/h x 1,000)

0 20 40 50 60 70 80 90 100 120 140

D-AHU Professional

500 m³/h

up to 140,000 m³/h



D-AHU Energy

1,500 m³/h

up to 70,000 m³/h



D-AHU Easy

500 m³/h

up to 30,000 m³/h



Controls *

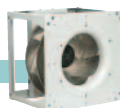
From 0.75 kW motor

up to 22 kW motor

EC Plug Fan **

500 m³/h

up to 100,000 m³/h



NEW

* optional - for Professional and Energy series

** optional



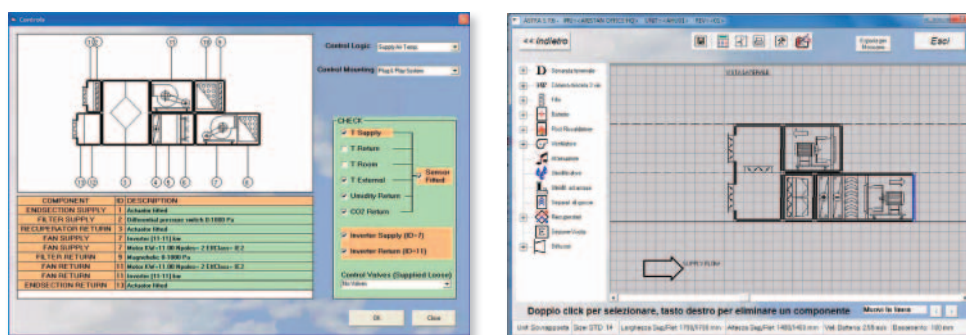
Daikin Air handling units

Software

ASTRA is the powerful software that Daikin has developed to offer a quick and comprehensive service for the customer in order to make the technical choice and the economic valorization of each air handling unit. It is a complete tool that can configure any type of product and respond exactly to the strictest design needs. The result is a comprehensive economic offer including all the technical data and drawings, the psychrometric diagram with the relative air treatment and the fans' performance curves. However, Daikin didn't stop there, they went further.

MECCANO is the other powerful software developed and designed to quickly convert the offer in the executive order. Technical drawings to be sent and approved by the client, executive drawings for the production, bill of material, code generation for each component used are just a few of the many functions of the instrument.

The ASTRA-MECCANO integration has therefore made possible the complete automated management of the process by reducing the time of the offer and of the delivery and improving the service to our customers.



Eurovent certification

Daikin is participating in the Eurovent Certification Programme for Air Handling Units. They are certified under the number 11.05.003 and presented on www.eurovent-certification.com



DAIKIN AIR HANDLING UNITS	RESULT SP65	EUROVENT CLASSIFICATION ACCORDING TO EN1886					
CASING MECHANICAL STRENGTH							
Casing mechanical strength	D1	Casing Class	D1	D2	D3		
		Maximum relative deflection mm x m ⁻¹	4.00	10.00	EXCEEDING10		
CASING AIR LEAKAGE NEGATIVE PRESSURE -400 PA							
Casing air leakage Negative pressure -400 Pa	L1	Leakage Class	L1	L2	L3		
		Maximum leakage rate (f ₅₀₀) l x s ⁻¹ x m ⁻²	0.15	0.44	1.32		
CASING AIR LEAKAGE POSITIVE PRESSURE +700 PA							
Casing air leakage Positive pressure +700 Pa	L1	Leakage Class	L1	L2	L3		
		Maximum leakage rate (f ₇₀₀) l x s ⁻¹ x m ⁻²	0.22	0.63	1.90		
FILTER BYPASS LEAKAGE							
Filter bypass leakage	F9	Filter Class	F9	F8	F7	F6	G1 TO F5
		Maximum filter bypass leakage rate k in % of the volume flow rate	0.50	1	2	4	6
THERMAL TRANSMITTANCE							
Thermal transmittance	T2	Class	T1	T2	T3	T4	T5
		Thermal transmittance (U) W/m ² x K	U <= 0.5	0.5 < U <= 1	1 < U <= 1.4	1.4 < U <= 2	No requirements
THERMAL BRIDGING OF THE CASING							
Thermal bridging of the casing	TB2	Class	TB1	TB2	TB3	TB4	TB5
		Thermal bridging facto (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

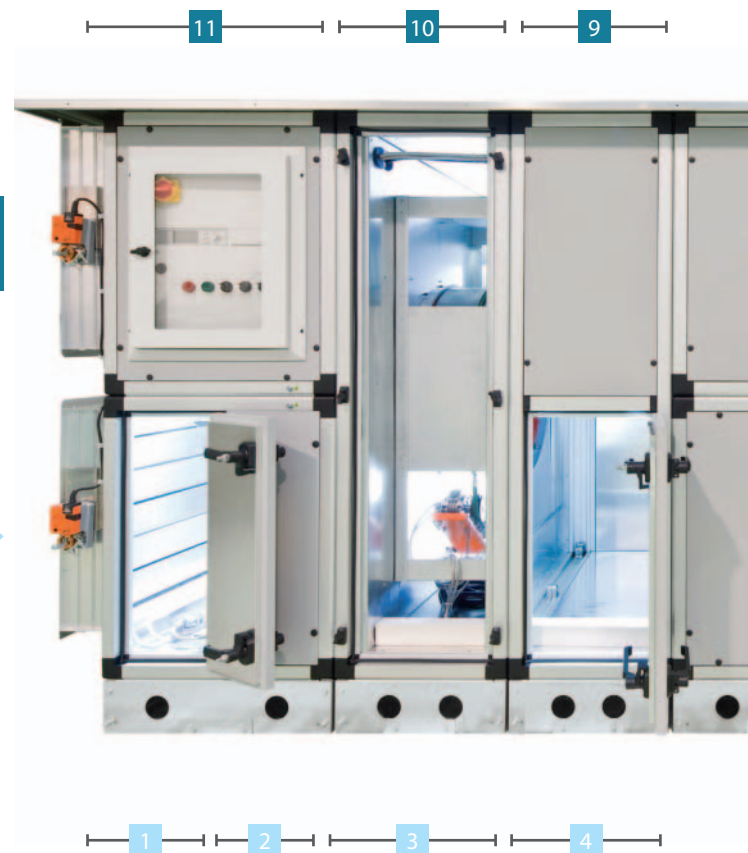
Daikin Air handling units

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

- > Forward curved fan
- > Backward curved fan
- > Backward airfoil blades fan
- > Plug fan
- > EC 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

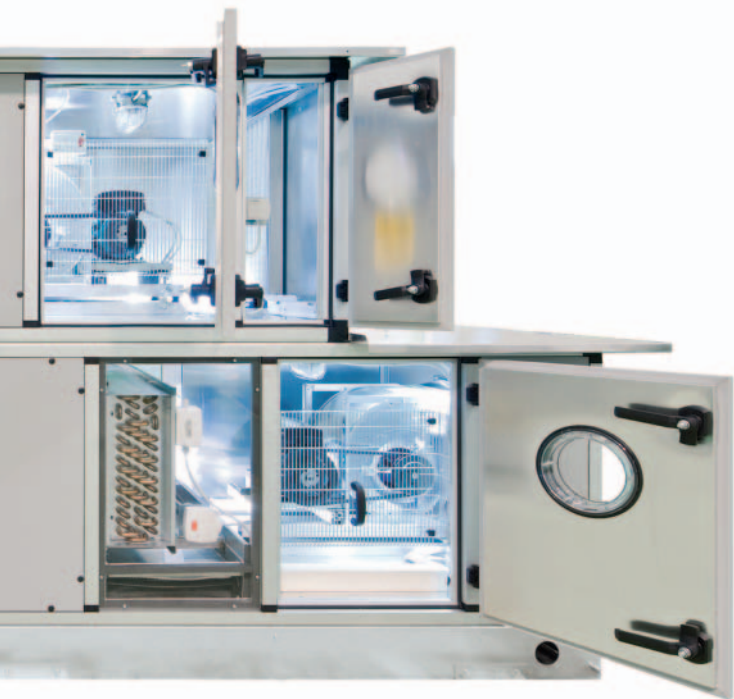
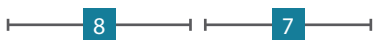
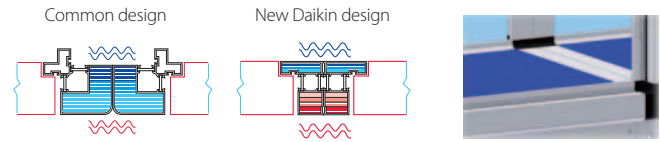
Daikin Air handling units

Control system on plug and play solution basis

- Air temperature control
- Chilled water and DX cooling system control
- Free cooling
- CO₂ 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
- ...

Daikin Air handling units

D-AHU Professional. The most flexible solution

Pre-defined family of size

Twenty-seven (27) fixed sizes optimized for the most cost effective selection and manufacturing standardization.

Infinite variable sizing

- Designed for special applications all over the world. It is possible to tailor the unit to customers' needs by very small 1cm increments.
- Air flow from 500 m³/h up to 140,000 m³/h
- All the sizes are modular manufactured to facilitate the transport and the assembly on site.

Pre-defined sizes - Overall dimensions

Size	Air Flow (m ³ /h)	Height - mm	Width - mm
1	1.105	550	850
2	1.550	600	900
3	1.980	650	950
4	2.600	780	1.100
5	3.170	780	1.150
6	3.550	800	1.150
7	4.000	800	1.250
8	4.800	850	1.300
9	5.560	900	1.350
10	6.600	900	1.550
11	7.950	1.100	1.550
12	9.320	1.100	1.650
13	10.050	1.150	1.650

Size	Air Flow (m ³ /h)	Height - mm	Width - mm
14	13.200	1.400	1.850
15	19.200	1.500	2.100
16	25.300	1.580	2.650
17	31.500	1.750	2.750
18	37.000	1.800	3.240
19	43.400	2.100	3.090
20	51.300	2.250	3.340
21	58.000	2.250	3.820
22	67.500	2.400	4.040
23	78.000	2.450	4.490
24	84.700	2.700	4.490
25	98.000	2.850	4.890
26	111.000	2.850	5.490
27	124.000	3.000	5.990

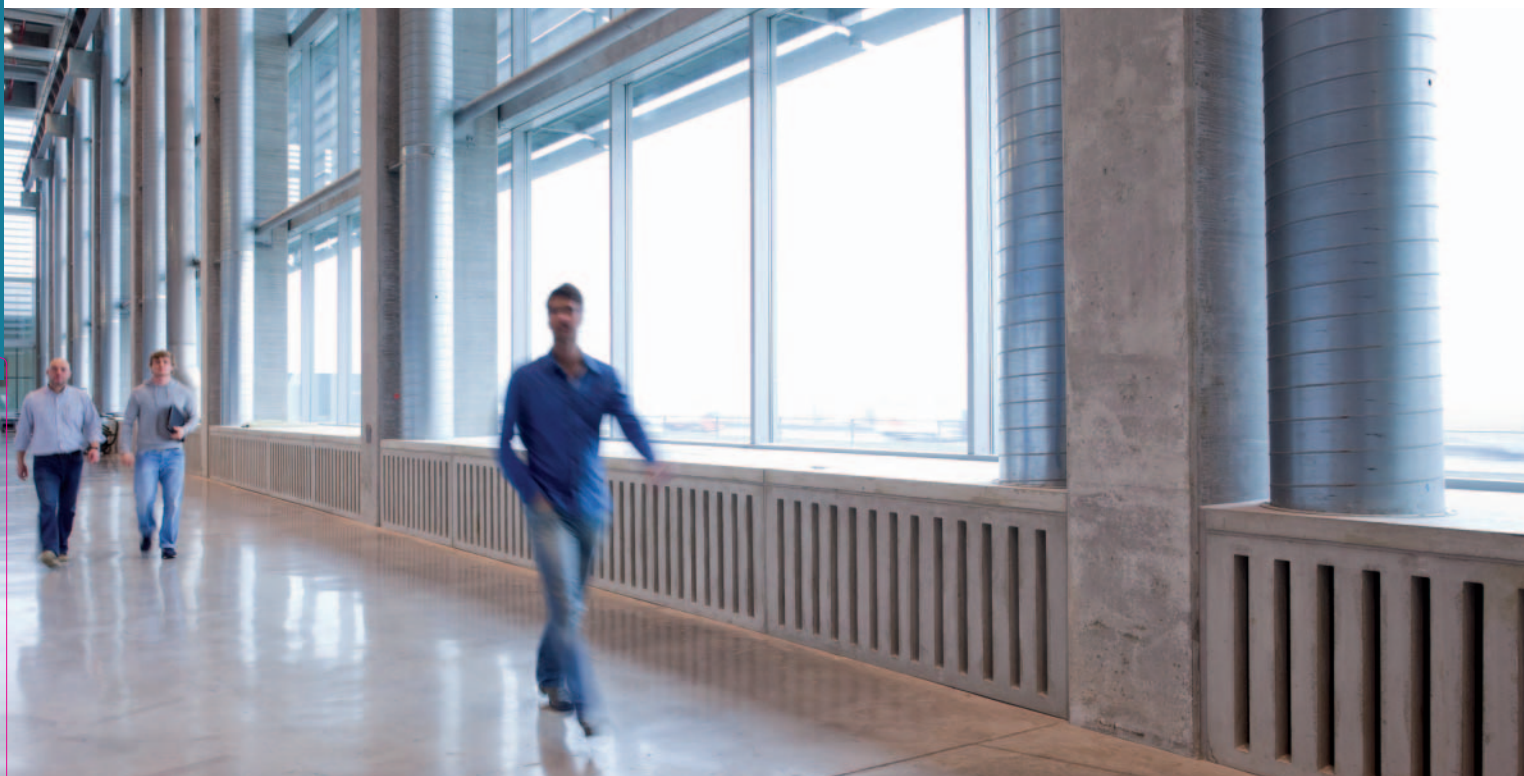
Ininitely variable sizes

Flexible sizing for AHU optimization

- 1 cm increment for width & height dimensions
- No additional cost for customized unit size
- No additional lead time

Example

Air Flow (m ³ /h)	Unit Size	Height - mm	Width - mm	Face Velocity m/s
15.000	STD 15	1.500	2.100	1.95
	1.500x1.750	1.500	1.750	2.46



Daikin Air handling units

D-AHU Energy. Best seasonal performance and return on investment

Daikin leads the way in energy efficiency and the Energy series represents the ultimate in air handling units. The D-AHU Energy has been designed to optimize the energy consumption and thus minimize the running cost. When compared with standard AHUs, this means lower seasonal (year-round) power consumption and a reduction in the overall energy bill.

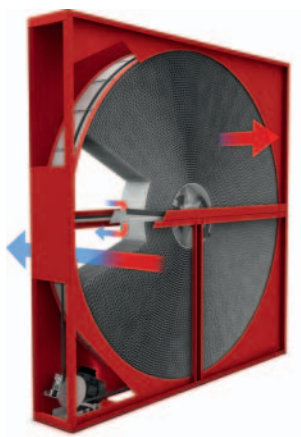


Daikin Air handling units

High efficient selected components

High efficiency heat recovery

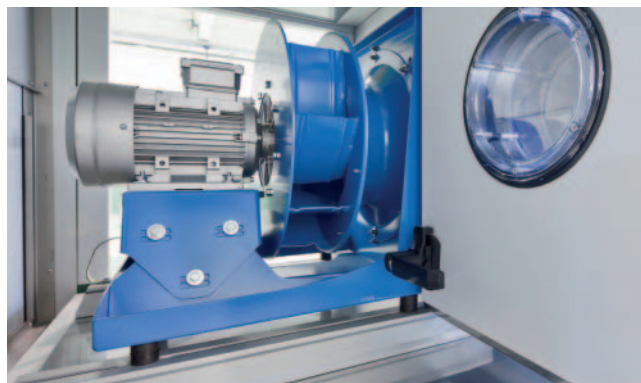
The D-AHU Energy series is equipped with high efficiency heat recovery equipment that delivers a minimum of 65% of heat recovered and could go up to the exceptional value of 90% heat recovery. The customer can choose between different equipment and in particular the heat recovery section could be arranged with:



Condensation wheel
Enthalpy wheel
Sorption wheel

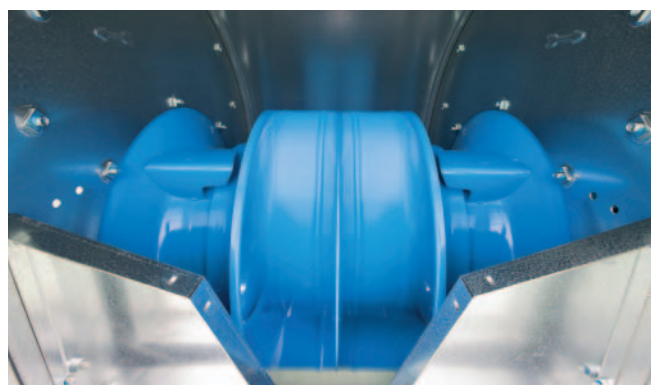
Premium efficiency motor

Premium efficiency motors in line with EU regulation (EC) no. 640/2009 are available for the Energy series in order to further reduce electrical power consumption.



High efficiency fan

Fans with double-width, double-inlet and backward curved airfoil blades are available with efficiency of up to 85% as well as reinforced bearings for longer lifespan.



Plug and play controls

Daikin has developed a control system to efficiently manage all components selected either independently or through an external supervision system. The control package includes the control panel, advanced microprocessor and in-built sensors for temperature, humidity and air quality.

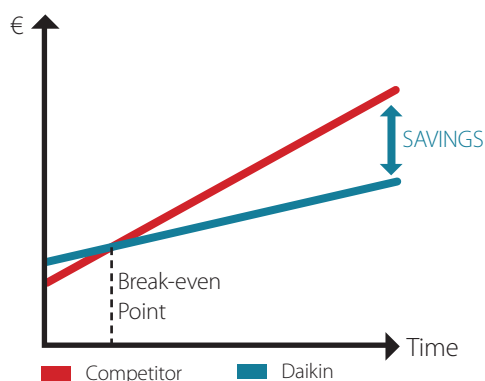


Daikin Air handling units

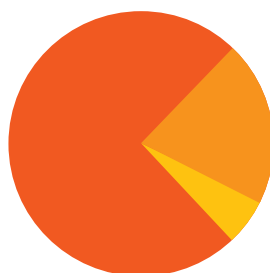
Return On Investment

An air handling unit is critical to an effective climate control system and, although the initial investment can appear high, the savings generated by our advanced designs and operating efficiencies guarantee a rapid return on the investment made. Our D-AHU Energy series has been designed to deliver exceptional performance thus driving down the energy consumed and so lowering energy bills. Taken over the expected 15-year life-span of the equipment, this will result in an enormous saving, especially in a time of ever increasing energy prices.

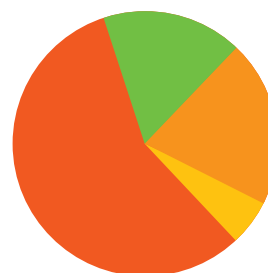
AHU Life Cycle Cost (LCC)



Standard Series



D-AHU Energy Series



Energy consumption Capital Cost Maintenance Savings

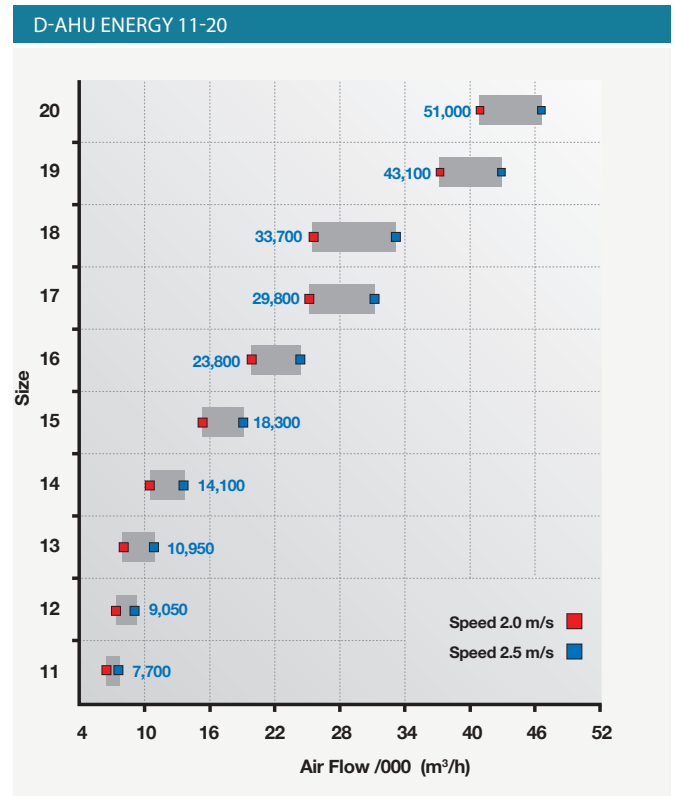
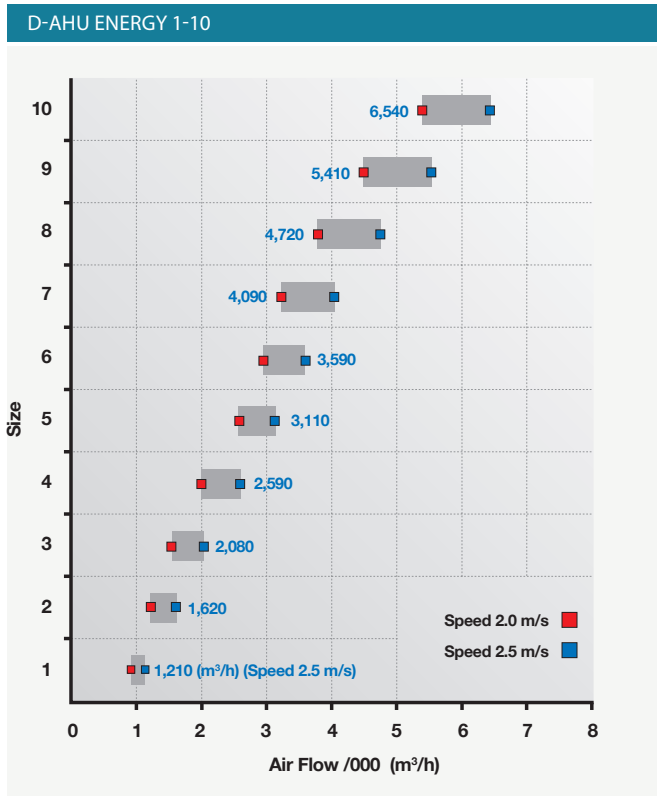
Specific Fan Power (SFP) is a measure used in the evaluation of the energy consumed by an air handling unit. As defined in EN 13053 and EN 13779, the lower the SFP, the lower the power consumption of the entire air handling unit. The D-AHU Energy has been designed to deliver the lowest possible SFP by using the most efficient components designed to provide the perfect solution series to your needs. It is an optimized answer to the European directive on the energy performance of buildings (EPBD) that seeks to reduce the impact on global warming.



Daikin Air handling units

D-AHU Energy

Technical data



D-AHU ENERGY 1-20

Size	Air Flow (m³/h) Speed 2.5 m/s	Height - mm	Width - mm
1	1,210	580	720
2	1,620	610	770
3	2,080	680	820
4	2,590	750	870
5	3,110	750	990
6	3,590	750	1,100
7	4,090	800	1,110
8	4,720	810	1,240
9	5,410	870	1,270
10	6,540	970	1,370
11	7,700	1,050	1,370
12	9,050	1,110	1,470
13	10,950	1,180	1,620
14	14,100	1,360	1,720
15	18,300	1,480	1,970
16	23,800	1,610	2,270
17	29,800	1,740	2,570
18	33,700	1,900	2,710
19	43,100	2,090	3,060
20	51,000	2,220	3,360

Infinitely variable sizes

Flexible sizing for AHU optimization

- 1 cm increment for width & height dimensions
- No additional cost for customized unit size
- No additional lead time

Example

Air Flow (m³/h)	Unit Size	Height - mm	Width - mm	Face Velocity (m/s)
15,000	Size 15	1,480	1,970	2.04
	1,480 x 1,660	1,480	1,660	2.50

Daikin Air handling units

D-AHU Easy. Ideal to cover your simple AHU needs



The range covers an area of air flow rates from 500 m³/h up to 30,000 m³/h*, with the possibility to choose the more appropriate face velocity, depending on the treatment required.

Pre defined sizes

Fifteen fixed sizes optimized to reach the best compromise between competitiveness and manufacturing standardization.

Variable Dimensioning

Designed to overcome installation constraints where space requirements of the section "height x width" must be adapted to the available space. The system gives the possibility to tailor the unit sizes through increments of 1 cm average.

Pre defined sizes - Overall dimension

Size	Air Flow (m ³ /h) Speed 2.5 m/s	Height - mm	Width - mm
Std 1	1,105	550	850
Std 2	1,550	600	900
Std 3	1,980	650	950
Std 4	2,600	780	1,100
Std 5	3,170	780	1,150
Std 6	3,550	800	1,150
Std 7	4,000	800	1,250
Std 8	4,800	850	1,300
Std 9	5,560	900	1,350
Std 10	6,600	900	1,550
Std 12	9,320	1,100	1,650
Std 14	13,200	1,400	1,850

Example

Air Flow (m ³ /h)	Unit Size	Height - mm	Width - mm	Face Velocity m/s
15,000	STD 15	1,500	2,100	1.95
	1,500x1,700	1,500	1,700	2.48

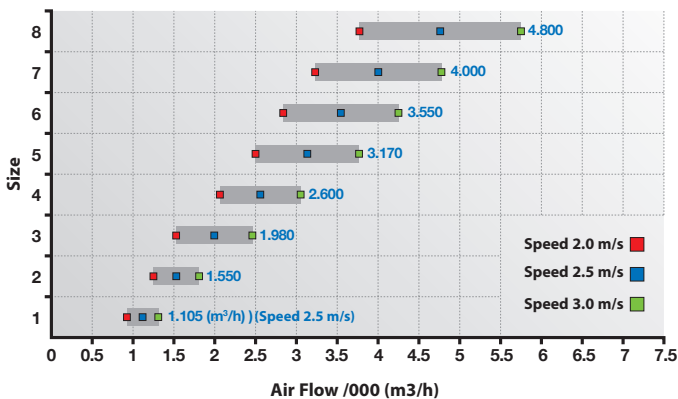
Infinitely variable sizes

Flexible sizing for AHU optimization

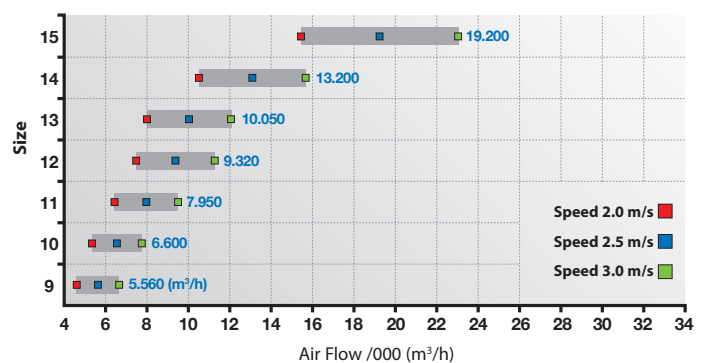
- 1 cm increment for width & height dimensions
- No additional cost for non-standard unit size
- No additional lead time

*Air Flow limits of 500 m³/h and 30,000 m³/h are calculated using non standard sizes (max dimensions 2,150x2,150) and considering 2.5 m/s coil face velocity

D-AHU Easy 1-8



D-AHU Easy 9-15



Daikin Air handling units

Plug and play: More control, more flexibility

The new plug and play control system gives end-users a higher degree of 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) controller, is combined with in-built temperature, humidity and CO₂ 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).

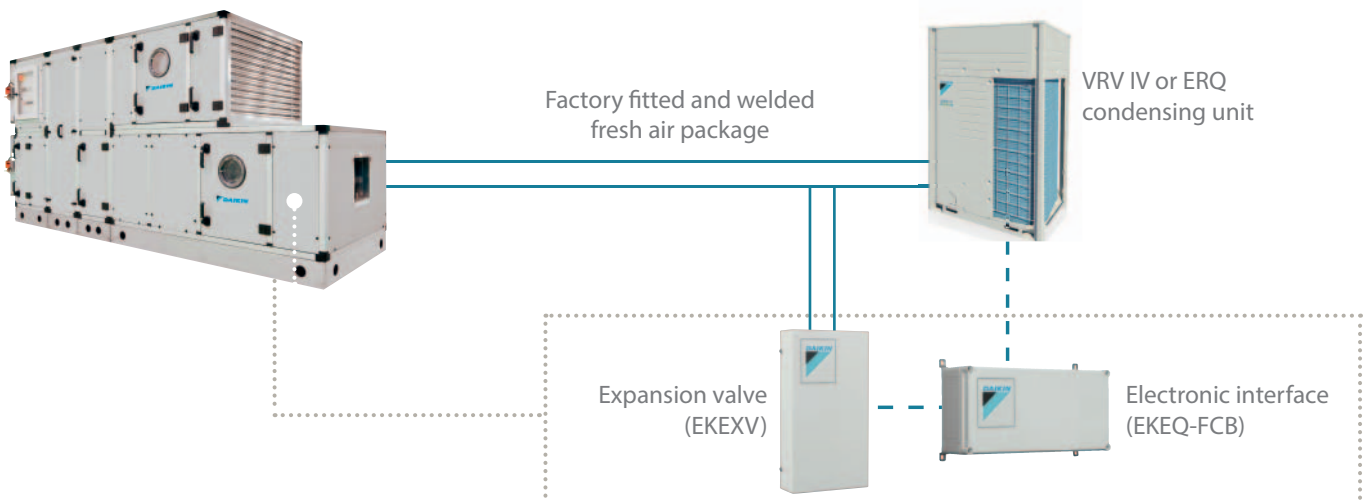
Daikin Fresh Air package

High Efficiency

Daikin heat pumps are renowned for their high energy efficiency. The VRV range offers both heat pump and heat recovery units with part load efficiencies as high as 9.02. Integrating the AHU with a heat recovery system is highly 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. In the absence of an AHU this 'free heating' of incoming fresh air would not be possible.

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.







Daikin offers a wide range of condensing units for cooling and freezing applications. Daikin refrigeration units combine efficiency and reliability with easy installation and maintenance.

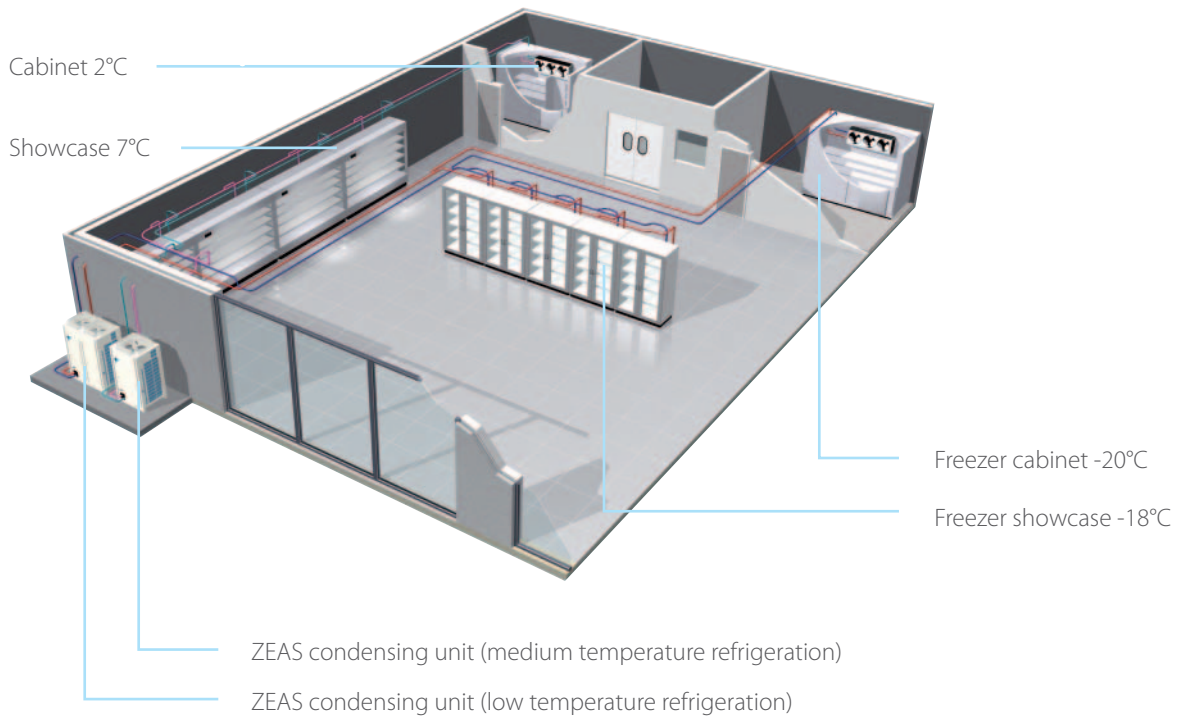
REFRIGERATION

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Large variable capacity condensing unit	355
ICU	

For more information on Options & Accessories, please refer to page 356 of this catalogue.

ZEAS condensing units

The ZEAS condensing units are the perfect solution for applications with fluctuating loads and high energy efficiency needs, including supermarkets, blast coolers and freezers, cold storage, butchers, bakeries, restaurants and petrol station retail outlets. On top of that, the small footprint and small sound emissions allow installations in narrow spaces and urban surroundings.



ZEAS condensing units

High energy efficiency

Market-leading energy efficiency for reduced costs and lower environmental impact.

The combination of Daikin's renowned VRV and DC brushless inverter technology - unique within the refrigeration business - means that the ZEAS delivers high energy efficiency even under partial load conditions. This results in reduced energy consumption which has a positive impact on costs and the environment. The ZEAS condenser is ideal for chilled display units, blast coolers, freezers and cold storage in a variety of business situations.



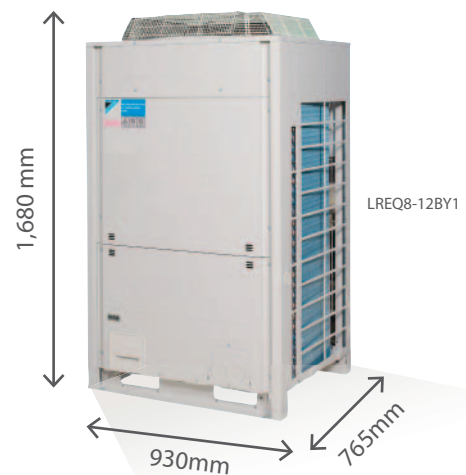
Fully packaged unit

The ZEAS units are factory-assembled to ensure that all the correct components are installed and work together in an optimal manner thus reducing the installation time. The units are then subjected to a range of tests to ensure the correct performance and that there are no leaks of the pre-loaded refrigerant. This, together with the advanced, built-in controls that are pre-charged for automated optimisation and safety regulation, mean that the ZEAS is truly a plug-and-play installation.

Small footprint and low weight

The best things come in small packages

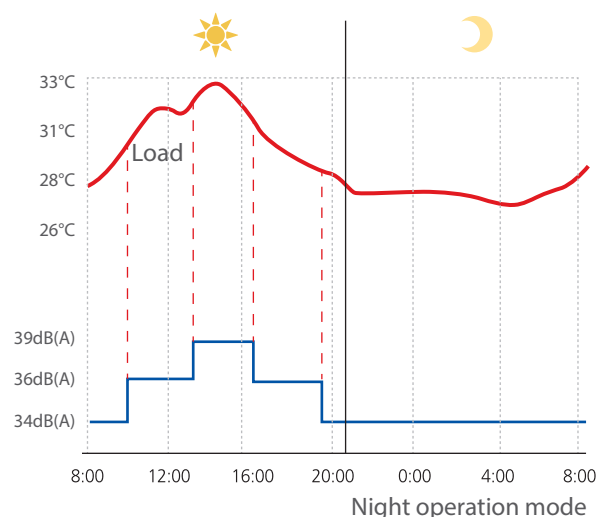
The small physical size of the ZEAS condensing units belie their power. The low overall dimensions of these units, the smallest 10hp condensing units on the market, means that they can be installed close to where they are required. This eliminates the need for a dedicated technical room, providing enormous savings in term of space, a critical economic benefit in applications such as supermarkets. All in all, the ZEAS provides the best surface-to-capacity ratio in the market.



Low sound level

A neighbourhood-friendly choice

ZEAS condensing units are far quieter than traditional units, because the inverter control allows fan speeds to be kept low while still meeting cooling demand. Sound levels can be further adjusted to match environmental requirements or the time of day. At night, for example, maximum fan speeds can be lowered to reduce noise from 39 dB(A) to 32 dB(A), with only a limited loss of refrigeration capacity. The fans have blades and grills specially designed to reduce turbulence and thus noise level.





LREQ8-12BY1



- > 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
- > Possibility to connect to booster unit for small LT applications

Outdoor unit				LREQ5BY1	LREQ6BY1	LREQ8BY1	LREQ10BY1	LREQ12BY1	LREQ15BY1	LREQ20BY1	
Refrigerating capacity	Medium temperature ¹	Nom.	kW	12,5	15,2	19,8	23,8	26,5	33,9	37,9	
	Low temperature ²	Nom.	kW	5,51	6,51	8,33	10,0	10,7	13,9	15,4	
Power input	Medium temperature ¹	Nom.	kW	5,10	6,56	8,76	10,6	12,0	15,2	17,0	
	Low temperature ²	Nom.	kW	4,65	5,88	7,72	9,27	9,89	12,8	14,1	
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765			1,680x930x765		1,680x1,240x765		
Weight	Unit		kg	166			242		331 / 337		
Heat exchanger	Type			Cross fin coil							
Compressor	Type			Hermetically sealed scroll compressor							
	Piston displacement		m ³ /h	11,18	13,85	19,68+19,68	23,36+23,36	25,27+25,27	32,24+32,24	35,8+35,8	
	Speed		rpm	5,280	6,540	4,320+2,900	6,060+2,900	6,960+2,900	5,280+2,900+2,900	6,960+2,900+2,900	
	Output		W	2,600	3,200	2,100+3,600	3,000+3,600	3,400+3,600	2,600+3,600+3,600	3,400+3,600+3,600	
Fan	Starting method			Direct on line (inverter driven)							
	Type			Propeller fan							
	Quantity			1					2		
Fan motor	Air flow rate	Cooling	Nom.	m ³ /min	95	102	171	179	191	230	240
	Output			W	350			750		350+350 / 750+750	
Sound pressure level	Drive			Direct drive							
	Nom.			dBA	55,0	56,0	57,0	59,0	61,0	62,0	63,0
Operation range	Evaporator	Cooling	Min.-Max.	°CDB	-45~-10						
	Ambient temperature		Min.-Max.	°C	-20~-43						
Refrigerant	Type			R-410A							
	Charge		kg	5,2			7,9		11,5		
	Control			Electronic expansion valve							
Refrigerant oil	Type			Daphne FVC68D							
	Charged volume		l	1,7 / 2,5			1,7 / 2,1 / 3,0		1,7 / 2,1 / 4,0		
Piping connections	Liquid	50m or less		ø 9.5 C1220T (Brazing connection)			ø 12.7 C1220T (Brazing connection)		ø 12.7 C1220T (Brazing connection)		
		50~130m		ø 9.5 C1220T (Brazing connection)			ø 12.7 C1220T (Brazing connection)				
	Gas	50m or less		ø 22.2 C1220T (Brazing connection)			ø 28.6 C1220T (Brazing connection)		ø 34.9 C1220T (Brazing connection)		
50~130m		ø 22.2 C1220T (Brazing connection)			ø 28.6 C1220T (Brazing connection)		ø 34.9 C1220T (Brazing connection)				
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415							
Current	Nominal running current		Cooling	A	7,1/-/-	9,2/-/-	5,3/7,5/-	7,4/7,9/-	9,8/8,3/-	7,0/8,2/8,2	9,5/8,4/8,4
Current - 50Hz	Starting current (MSC)		A	-			74		75		84

(1) Te=-10°C, Tamb=+32°C, Suction SH 10°C, (2) Te=-35°C, Tamb=+32°C, Suction SH 10°C, (3) Sound pressure data: measured at 1m in front of unit, at 1.5m height



LREQ-BY1R

- > Application range 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: supermarkets, cold storage, blast coolers and freezers.
- > 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

OUTDOOR UNIT				*LREQ30BY1R	*LREQ40BY1R
Refrigerating capacity	Medium temperature ¹	Nom.	kW	64.0	71.0
	Low temperature ²	Nom.	kW	26.0	28.5
Dimensions	Unit	HxWxD	mm	2 x (1,680x1,240x765)	
Weight	Unit		kg	333 x 2	339 x 2
Operation range	Evaporator	Min.~Max.	°CDB	-45~10	
	Ambient temperature	Min.~Max.	°C	-20~43	
Compressor number				2 x inverter + (2 x 2) non-inverter	
Fan motor	Output		kW	2 x (0.35 x 2)	2 x (0.75 x 2)
Maximum piping length			m	Te = -45°C~-20°C: 100m Te = -20°C~10°C: 130m	
Piping connections	Liquid			ø 19.05	ø 19.05
	Gas			ø 41.28	ø 41.28
Power supply	Phase/Frequency	Voltage	Hz/V	3~/50/380~415	
Voltage range		Min~Max	%	-10~-10	
Sound pressure level ³			dBA	65	66
Refrigerant	Charge		kg	23	23
Receiver volume			l	27	27

(1) Te=-10°C, Tamb=+32°C, Suction SH 10°C, (2) Te=-35°C, Tamb=+32°C, Suction SH 10°C, (3) Sound pressure data: measured at 1m in front of unit, at 1.5m height

*Note: grey cells contain preliminary data



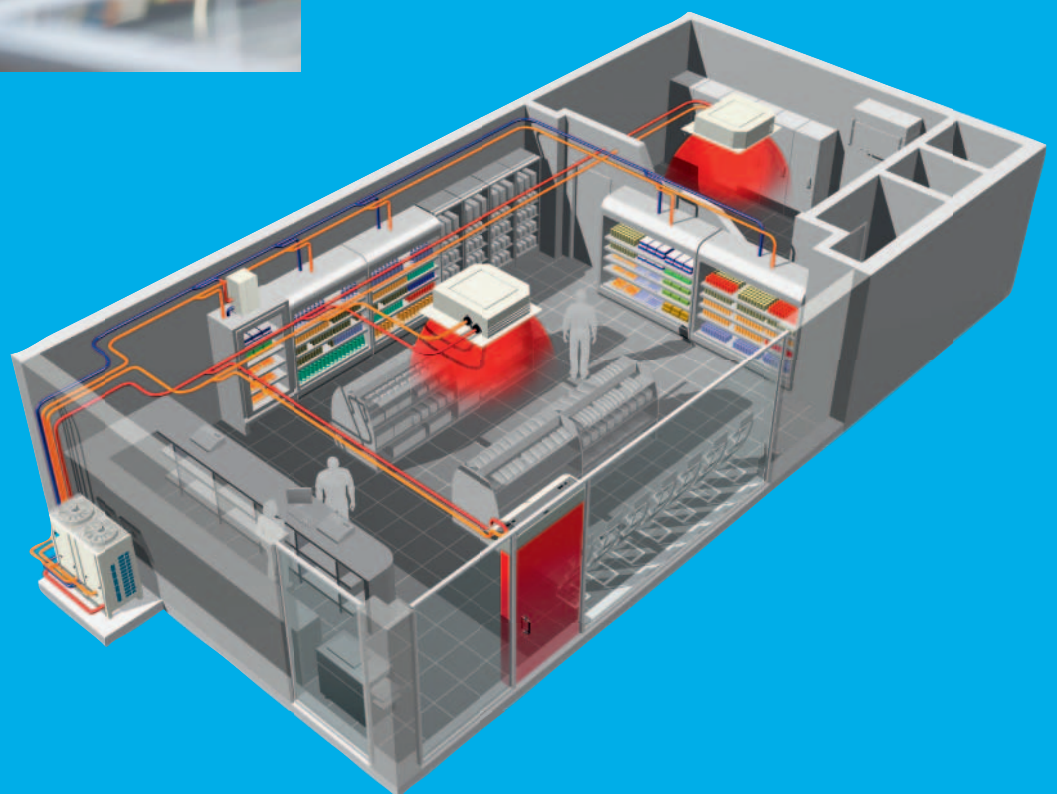
CONVENI-PACK IS A COMPACT, LOW NOISE SYSTEM WHICH INTEGRATES MEDIUM AND LOW TEMPERATURE REFRIGERATION AND AIR CONDITIONING (INCLUDING HEATING) INTO ONE SYSTEM.

Helping retailers save energy and the environment

Retailers are faced with a growing need for fresh goods, prepared meals and chilled drinks. At the same time, environmental and zoning requirements are stricter than ever, and energy costs must be kept under control. Conveni-Pack minimises total energy demand due to its unique, integrated approach to refrigeration and air conditioning.

A total solution for small applications

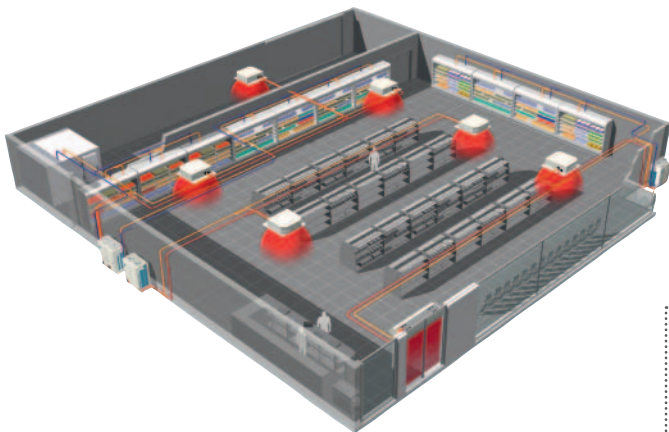
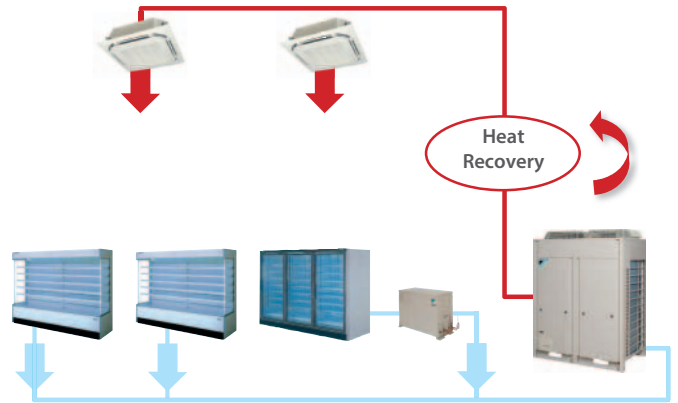
Conveni-Pack is unique in combining refrigeration and air conditioning equipment in one total solution using the latest controls and inverter technology in order to maximize energy efficiency. The system can be connected to basically all refrigeration applications and is supplied with a wide range of air conditioning indoor units to respond to all shop requirements. An optional booster unit is available for low temperature refrigeration.



- › Inverter driven outdoor units match system output to actual demand in order to reach optimum efficiency under all conditions
- › Conveni-Pack supports a wide variety of refrigeration and cooling units
- › By recovering the heat extracted from the connected refrigeration appliances, and by using sophisticated controls, energy savings of up to 50% or more can be reached.
- › Small footprint, reduced piping, quiet operation: ideal for densely populated urban areas

Heat Recovery

The heat extracted from the refrigeration showcases and/or evaporators can be re-used for comfort heating of the shop... at no extra cost!



A flexible system for larger applications

Conveni-Pack's modular design allows it to be used for smaller as well as larger shops. One or more outdoor units can be installed throughout the building, inside or outside.

Capacity range

By combining Conveni-Pack and ZEAS condensing units the optimum integrated solution for freezing, chilling, space heating and cooling can be provided for virtually any shop concept.

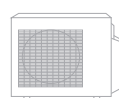
Reduced footprint

The Conveni-Pack outdoor unit is compact when compared to conventional systems. Its footprint is 60% smaller, allowing it to be used in applications where space is restricted.

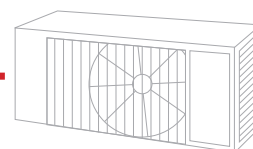


2.08m²

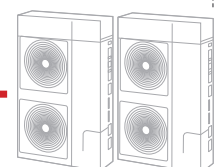
5.6m²



LT refrigeration





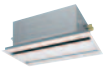








HT refrigeration



Air conditioning

Indoor units for connection to Conveni-Pack

To respond to all shop requirements for comfort cooling and heating, a wide range of VRV indoor units and Biddle air curtains are available.

Model	Product name		Capacity									
			50	63	71	80	100	125	140	200	250	
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-P		■				■					
Concealed ceiling unit with inverter driven fan	FXMQ-P7		■				■					
Large concealed ceiling unit	FXMQ-MA									■		
Ceiling suspended unit	FXHQ-A			■			■					
4-way blow ceiling suspended unit	FXUQ-A							■				
Floor standing unit	FXLQ-P		■									
Concealed floor standing unit	FXNQ-P		■									
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	

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

Model	Product Name		Capacity			
			100	150	200	250
Biddle air curtain free hanging	CYV5-DK		■			
Biddle air curtain cassette	CYVM-DK		■			
Biddle air curtain recessed	CYVL-DK		■			



LRYEQ16AY1



- > 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 60%, compared to conventional systems
- > Lower associated CO₂ 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



Outdoor unit				LRYEQ16AY1			
Cooling capacity	Air conditioning	Nom.	kW	14.0			
	Refrigeration	Nom.	kW	21.8			
Heating capacity	Air conditioning	Nom.	kW	27.0			
	Refrigeration	Nom.	kW	21.8			
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x1,240x765			
Weight	Unit		kg	370			
Heat exchanger	Type			Cross fin coil			
Compressor	Type			Hermetically sealed scroll compressor			
	Piston displacement		m ³ /h	13.34+10.53+10.53			
	Speed		rpm	6,300+2,900+2,900			
	Output		W	2,500+3,600+4,500			
	Starting method			Direct on line (inverter driven)			
	Frequency ON/OFF			Less than 6 times/hour			
Fan	Type			Propeller fan			
	Quantity			2			
	Air flow rate	Cooling	Nom.	m ³ /min	230		
Fan motor	Output		W	750			
	Drive			Direct drive			
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-20~10		
	Cooling	Ambient	Min.~Max.	°CDB	-5~43		
	Heating	Ambient	Min.~Max.	°CDB	-15~21		
Sound pressure level				dB(A)	62.0		
Refrigerant	Type			R-410A			
	Charge		kg	11.5			
	Control			Electronic expansion valve			
Refrigerant oil	Type			Daphne FVC68D			
	Charged volume		l	1.7 / 2.1 / 2.1 / 4.0			
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415			



LCBKQ3AV1



- > A booster unit allows to connect freezer showcases or cold 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 refrigeration capacity



Outdoor unit					LCBKQ3AV1				
Cooling capacity	Nom.				kW				
					3.35				
Dimensions	Unit	HeightxWidthxDepth		mm		480x680x310			
Weight	Unit				kg				
					47				
Compressor	Type				Hermetically sealed swing compressor				
	Piston displacement		m ³ /h		10.16				
	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				
Sound pressure level					dBA				
					49				
Refrigerant	Type				R-410A				
	Control				Electronic expansion valve				
Refrigerant oil	Type				Daphne FVC50K + FVC68D				
	Charged volume		l		0.85 / 0.5				
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/220-240				



100% PURE
Ice Cream

Designed for outdoor use, the condensing units are a perfect commercial refrigeration solution for cold stores or freezer rooms, small food retails, restaurants, petrol station shops, etc in low and medium temperature applications.

Main benefits

- > Low operation sound level
- > Easy to install - fully equipped - packaged
- > Energy efficiency and performance
- > Robust and reliable design

Installer benefits

- > Small, compact and robust for easy handling and installation in limited space
- > Fully factory tested and pre-wired electrical box for quick and easy installation and commissioning
- > Easy service thanks to very accessible components behind removable robust panels

End-user benefits

- > Very quiet operation
- > Strong anti-corrosion housing for long life, even in harsh environmental conditions
- > Trustworthy units, with proven component reliability and fully qualified for the most demanding applications
- > Reduced energy consumption, thanks to efficient compressors and condenser fan speed control (except series 1)
- > Fully packaged unit at a competitive price



Series	Model	Performance			Compressor			O/S ^e	Oil type	Electrical Data						Receiver	Connection			Dimensions			Weight (kg)	Sound pressure dB(A) at 1m ²						
		Cooling capacity (W) ^a R-404A	Cooling capacity (W) ^a R-134a	Cooling capacity (W) ^a R-407C	Type	Swept volume (m ³ /h)	Oil Charge (Liter)			Oil Charge (l)	Power input	Nominal current (A)			Lock Rotor current (A)		MFA ^b (A)			Airflow m ³ /h	Volume (Liter)	Suction (inch)			Liquid (inch)	Width (mm)	Depth (mm)	Height (mm)		
		R-404A	R-134a	R-407C	R-404A	R-134a	R-407C			R-404A	R-134a	R-407C																		
Medium temperature	1	JEHCCU0050M1	871	-	-	SC10MLX	1.79	0.60	-	Oil A ^c	230V/1~50Hz	3.85	-	-	18.4	15	-	-	1910	1.2	3/8	1/4	884	430	489	46	49			
		JEHCCU0088M1	1,478	-	-	SC18MLX	3.08	0.60	-		230V/1~50Hz	4.62	-	-	23.4	15	-	-	1910	1.2	3/8	1/4	884	430	489	46	49			
	2	JEHCCU0150M3	2,062	1,229	1,815	MTZ18-5VM	5.26	0.95	-		230V/1~50Hz	7.23	5.30	5.70	40.0	15	15	15	3040	4.6	1/2	3/8	1104	478	650	82	57			
		JEHCCU0150M3				400V/3~50Hz	3.33	2.54	3.05		20.0	15	15	15	3040	4.6	1/2	3/8	1104	478	650	82	57							
		JEHCCU0225M3	3,451	1,958	3,059	MTZ28-5VM	8.36	0.95	-		230V/1~50Hz	11.64	8.26	9.66	51.0	25	20	20	2620	4.6	1/2	3/8	1104	478	650	89	56			
		JEHCCU0225M3				400V/3~50Hz	4.65	3.41	4.14		23.0	15	15	15	2620	4.6	1/2	3/8	1104	478	650	89	56							
		JEHCCU0300M3				4,506	2,948	4,233	MTZ36-5VM		10.52	0.95	-	230V/1~50Hz	15.87	10.76	10.13	60.0	30	25	25	2620	4.6	5/8	3/8	1104	478	650	89	57
		JEHCCU0300M3							400V/3~50Hz		5.57	3.91	5.12	30.0	15	15	15	2620	4.6	5/8	3/8	1104	478	650	89	57				
	3	JEHCCU0400M3	6,672	3,934	5,766	MTZ50-4VM	14.90	1.80	-		400V/3~50Hz	6.97	5.28	6.24	48.5	15	15	15	6050	7.6	7/8	1/2	1347	556	884	122	57			
		JEHCCU0500M3				400V/3~50Hz	8.93	6.78	7.77		64.0	20	20	20	6050	7.6	7/8	1/2	1347	556	884	122	60							
		JEHCCU0600M3				400V/3~50Hz	9.80	6.62	8.53		80.0	20	20	20	5180	7.6	7/8	1/2	1347	556	884	126	60							
		JEHCCU0675M3				400V/3~50Hz	11.44	8.23	10.22		80.0	20	20	20	5180	7.6	1 1/8	1/2	1352	556	884	126	62							
JEHCCU0825M3		11,010				7,083	9,867	MTZ100-4VM	29.80	3.90	-	400V/3~50Hz	13.62	9.82	12.04	90.0	25	25	25	6770	14.0	1 1/8	1/2	1261	594	1435	205	62		
JEHCCU1000M3								400V/3~50Hz	15.49	9.52	13.17	105.0	30	25	30	6770	14.0	1 1/8	1/2	1261	594	1435	205	62						
Low temperature	1	JEHCCU0075L1	721	-	-	SC18CLX	3.08	0.60	-	Oil A ^c	230V/1~50Hz	3.99	-	-	20.0	15	-	-	1910	1.2	3/8	1/4	884	430	489	46	50			
		JEHCCU0175L1	1,631	-	-	NTZ48-5VM	8.40	0.95	0.50		230V/1~50Hz	5.07	-	-	37.0	15	-	-	3040	4.6	5/8	3/8	1104	478	650	86	55			
	JEHCCU0175L3	-		-	NTZ48-4VM	8.40	0.95	0.50	400V/3~50Hz		2.71	-	-	16.0	15	-	-	3040	4.6	5/8	3/8	1104	478	650	86	55				
	2	JEHCCU0225L1	3,420	-	-	NTZ68-5VM	11.80	0.95	0.50		230V/1~50Hz	9.81	-	-	53.0	20	-	-	2620	4.6	5/8	3/8	1104	478	650	92	58			
		JEHCCU0225L3		-	-	NTZ68-4VM	11.80	0.95	0.50		400V/3~50Hz	4.05	-	-	25.0	15	-	-	2620	4.6	5/8	3/8	1104	478	650	92	58			
	3	JEHCCU0350L3	6,984	-	-	NTZ96-4VM	16.70	1.80	0.60		400V/3~50Hz	4.41	-	-	32.0	15	-	-	6050	7.6	7/8	1/2	1347	556	884	125	58			
		JEHCCU0400L3		400V/3~50Hz	7.21	-	-	51.0	15		-	-	6050	7.6	1 1/8	1/2	1352	556	884	130	58									
	4	JEHCCU0725L3	4,245	-	-	NTZ215-4VM	37.50	3.90	0.60		400V/3~50Hz	8.72	-	-	74.0	25	-	-	6770	14.0	1 1/8	1/2	1261	594	1435	203	61			
		JEHCCU0825L3		5,818	-	-	NTZ271-4VM	47.30	3.90		0.60	400V/3~50Hz	10.88	-	-	96.0	25	-	-	6770	14.0	1 1/8	1/2	1261	594	1435	203	60		
	Medium temperature	2	JEHSCU0200M1	3,400	2,175	-	ZB15KQE-PFJ	5.9	1.24		-	Oil A ^d	230V/1~50Hz	8.28	-	-	58.0	15	15	-	2620	4.6	3/4	3/8	1108	478	650	88	50	
			JEHSCU0200M3			-	ZB15KQE-TFD	5.9	1.24		-		400V/3~50Hz	3.73	3.00	-	26.0	15	15	-	2620	4.6	3/4	3/8	1108	478	650	88	50	
			JEHSCU0250M1	3,900	2,475	-	ZB19KQE-PFJ	6.8	1.30		-		230V/1~50Hz	10.22	6.32	-	61.0	20	15	-	2620	4.6	3/4	3/8	1108	478	650	90	51	
JEHSCU0250M3			-			ZB19KQE-TFD	6.8	1.36	-	400V/3~50Hz	4.72		3.42	-	32.0	15	15	-	2620	4.6	3/4	3/8	1108	478	650	90	51			
JEHSCU0300M1			4,800			3,050	-	ZB21KQE-PFJ	8.6	1.45	-		230V/1~50Hz	13.25	7.57	-	82.0	25	20	-	2620	4.6	3/4	3/8	1108	478	650	92	54	
JEHSCU0300M3							-	ZB21KQE-TFD	8.6	1.45	-		400V/3~50Hz	5.61	3.83	-	40.0	15	15	-	2620	4.6	3/4	3/8	1108	478	650	92	54	
3		JEHSCU0350M3	5,900	3,700	-	ZB26KQE-TFD	9.9	1.50	-	400V/3~50Hz	6.63		4.64	-	46.0	15	15	-	6050	7.6	3/4	1/2	1332	556	884	114	55			
		JEHSCU0400M3	6,690	4,300	-	ZB29KQE-TFD	11.4	1.36	-	400V/3~50Hz	8.07		5.03	-	50.0	15	15	-	6050	7.6	7/8	1/2	1347	556	884	121	54			
		JEHSCU0500M3	8,050	5,150	-	ZB38KQE-TFD	14.4	2.07	-	400V/3~50Hz	10.45		6.43	-	65.5	20	15	-	6050	7.6	7/8	1/2	1347	556	884	126	55			
		JEHSCU0600M3	9,150	6,150	-	ZB45KQE-TFD	17.1	1.89	-	400V/3~50Hz	10.83		6.27	-	74.0	20	15	-	5180	7.6	7/8	1/2	1347	556	884	128	60			
		JEHSCU0680M3	9,850	6,928	-	ZB48KQE-TFD	18.8	1.80	-	400V/3~50Hz	10.97		8.63	-	101.0	20	20	-	5180	7.6	7/8	1/2	1347	556	884	129	60			
		JEHSCU0800M3	12,000	7,800	-	ZB58KQE-TFD	22.1	2.50	-	400V/3~50Hz	13.6		10.54	-	95.0	25	20	-	6770	14.0	1 1/8	1/2	1261	594	1435	201	64			
Low temperature	2	JEHSCU1000M3	14,200	9,900	-	ZB76KQE-TFD	29.1	3.20	-	Oil B ^e	400V/3~50Hz	18.01	12.69	-	118.0	35	25	-	6770	14.0	1 3/8	1/2	1261	594	1435	201	64			
		JEHSCU0200L3	1,910	-	-	ZF06KAE-TFD	5.9	1.30	0.50		400V/3~50Hz	3.29	-	-	26.0	15	-	-	2620	4.6	3/4	3/8	1108	478	650	94	47			
	JEHSCU0300L3	2,480	-	-	ZF09KAE-TFD	8.0	1.50	0.50	400V/3~50Hz		5.25	-	-	40.0	15	-	-	2620	4.6	3/4	3/8	1108	478	650	96	48				
	3	JEHSCU0400L3	3,850	-	-	ZF13KAE-TFD	11.8	1.90	0.60		400V/3~50Hz	6.03	-	-	51.5	15	-	-	6050	7.6	7/8	1/2	1347	556	884	129	55			
		JEHSCU0500L3	4,600	-	-	ZF15KAE-TFD	14.5	1.90	0.60		400V/3~50Hz	7.48	-	-	64.0	15	-	-	6050	7.6	7/8	1/2	1347	556	884	130	56			
	4	JEHSCU0600L3	5,350	-	-	ZF18KAE-TFD	17.1	1.90	0.60		400V/3~50Hz	7.66	-	-	74.0	15	-	-	6050	7.6	7/8	1/2	1347	556	884	130	61			
		JEHSCU0750L3	6,490	-	-	ZF24KAE-TWD	20.9	4.10	0.60		400V/3~50Hz	11.65	-	-	99.0	20	-	-	6770	14.0	1 3/8	1/2	1261	594	1435	218	61			
	JEHSCU1000L3	8,720	-	-	ZF33KAE-TWD	28.8	4.10	0.60	400V/3~50Hz		13.92	-	-	127.0	30	-	-	6770	14.0	1 3/8	1/2	1261	594	1435	218	62				

^a Refer to condition: Outside ambient temperature= 32°C, Evaporation temperature = -10°C (medium temperature application); -35°C (low temperature application)

^b MFA = Maximum Fuse Amps

^c Sound pressure level measured in anechoic room

^d O/S = Oil Separator

^e Oil A = Polyester oil (Emkarate RL32H)

^f Oil B = Polyester oil 160PZ

^g Oil A = Polyester oil (Copeland Ultra 22 CC, Copeland Ultra 32 CC, Copeland Ultra 32-3MAF, Mobil EAL™ Arctic 22 CC, Uniqema Emkarate RL32CF)

^h Oil B = Mobil Arctic 22CC

Note: condensing units are pre-charged with oil as stated in table

Designed for outdoor use, the large condensing units are a perfect medium to high capacity refrigeration solution for cold stores, distribution platforms, supermarkets, food processing, etc in low and medium temperature applications

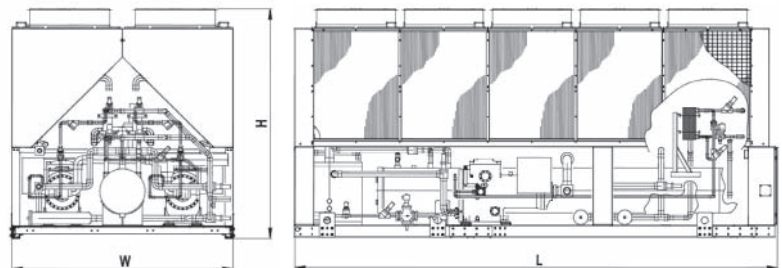
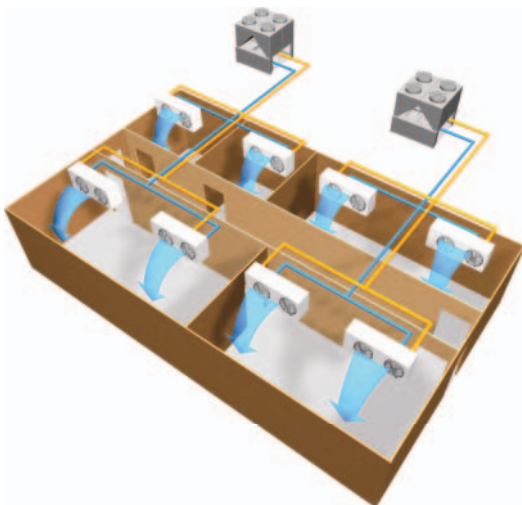
These industrial condensing units are real workhorses designed for maximum performance in minimum space.

- > High energy efficiency: inverter controlled compressor, economizer, high performance condenser
- > Possibility of having a stand-by compressor
- > Easy installation, ready to connect evaporators
- > Integrated starter and control panel with electronic controller
- > Space saving construction due to the compact design of the condenser coils arranged in a 'W' configuration
- > Low sound operation
- > Approved according to EN 378: 2008 (Safety and environmental requirements)
- > Refrigerants: R-404A, R-134a, R-407C, R-507A



A comprehensive product range with 1 or 2 compressors and 4, 6, 8 or 10 condenser fans




- > Chilled application: 113 - 417 kW (at $T_0 = -10^{\circ}\text{C}$ / $T_{\text{amb}} = +32^{\circ}\text{C}$ / R-404A)
- > Frozen application: 37 - 159 kW (at $T_0 = -35^{\circ}\text{C}$ / $T_{\text{amb}} = +32^{\circ}\text{C}$ / R-404A)



	Length	Width	Height	Weight
	mm	mm	mm	kg
From	2,240	2,235	2,340	2,405
To	4,940	2,235	2,340	4,496

CONTROL SYSTEMS, OPTIONS & ACCESSORIES

CONTROL SYSTEMS

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BRC1D52



BRC944B2



ARC466A1



BRC4*/BRC7*



BRC2C51



BRC3A61

BRC944B2*/BRC1D52

Wired remote control

- > Schedule timer:
 - Five day actions can be set as follows:
 - set point: unit is switched ON and normal operation is maintained
 - OFF: unit is switched OFF¹
 - limits: unit is switched ON and min./max. control (cf. limit operation for more details)
- > Home leave (frost protection): during absence, the indoor temperature can be maintained at a certain level. This function can also switch the unit ON/OFF
- > User friendly HRV function, thanks to the introduction of a button for ventilation mode and fan speed
- > Constantly monitoring of the system for malfunctions in a total of 80 components
- > Immediate display of fault location and condition
- > Reduction of maintenance time and costs

Display

- > Operating mode¹
- > Heat Recovery Ventilation (HRV) in operation
- > Cool / heat changeover control
- > Centralised control indication
- > Group control indication
- > Set temperature¹
- > Air flow direction¹
- > Programmed time
- > Inspection test / operation
- > Fan speed¹
- > Clean air filter
- > Defrost / hot start
- > Malfunction

¹ Only functions marked with '1' are available on BRC944B2

ARC4*/BRC4*/BRC7*

Infrared remote control

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, FDXS, FBQ
2. For FX** units only
3. For all features of the remote control, refer to the operation manual

BRC3A61

Simplified built-in remote control for hotel applications

Compact, user friendly unit, ideal for use in hotel bedrooms

Operation buttons: ON/OFF, fan speed control, temperature setting

Display: Heat Recovery Ventilation (HRV) in operation, set temperature, operating mode, centralised control indication, fan speed, defrost/hot start, malfunction

BRC2C51

Simplified remote control

Simple, compact and easy to operate unit, suitable for use in hotel bedrooms

Operation buttons: ON/OFF, operating mode selection, fan speed control, temperature setting

Display: Cool/heat changeover control, Heat Recovery Ventilation (HRV) in operation, set temperature, operating mode, centralised control indication, fan speed, defrost/hot start, malfunction adjustment, operating mode selection, fan speed control, filter sign reset, inspection test/operation

NEW

Simplified wired remote control developed for hotel applications

- > Symbol driven interface for intuitive control
- > Functions restricted to basic customer needs
- > Contemporary design
- > Energy saving thanks to set point limitation
- > Flat backpanel for easy installation
- > 2 versions available:
 - Heat pump type: temperature, fan speed, ON/OFF
 - Heat recovery type: temperature, mode, fan speed, ON/OFF
- > Replaces existing BRC2C51 & BRC3A61
- > Available spring 2014



Save energy

A series of energy saving functions that can be individually selected

- › Temperature range limit
- › Setback function
- › Presence & floor sensor connection (available on new round flow cassette)
- › kWh indication
- › Set temperature auto reset
- › Off timer

Temperature range limit avoids excessive heating or cooling

Save energy by constraining the lower temperature limit in cooling and upper temperature limit in heating mode.

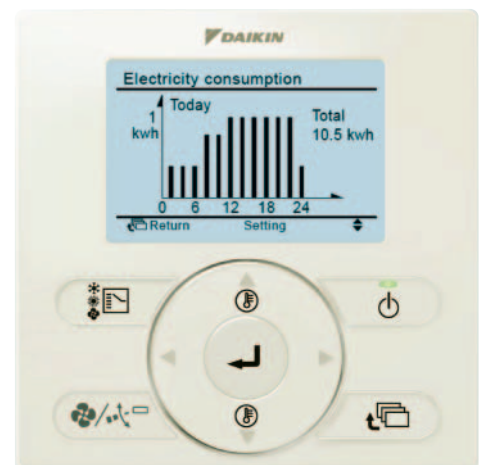
note : Also available in auto cooling/heating change over mode.

kWh indication keeps track of your consumption

The kWh indication shows an indicative electricity consumption of the last day/month/year.

Other functions

- › Up to 3 independent schedules can be set, so the user can easily change the schedule himself throughout the year (e.g. Summer, winter, mid-season)
- › Possibility to individually restrict menu functions
- › Easy to use: all main functions directly accessible
- › Easy setup: clear graphical user interface for advanced menu settings
- › Real time clock with auto update to daylight saving time
- › Built-in backup power: when a power failure occurs all settings remain stored up to 48 hours
- › Supports multiple languages
 - English, German, Dutch, Spanish, Italian, Portuguese, French, Greek, Russian, Turkish, Polish (BRC1E52A)
 - English, German, Czech, Croatian, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian (BRC1E52B)



Graphical display of indicative electricity consumption

Daikin Altherma low temperature wired remote control

The Daikin Altherma low temperature is equipped with a new user interface. Commissioning, servicing and day-to-day operation become straightforward. The multi-lingual and graphical interface provides full-text representation, easy menu navigation and intelligent control features



- › Self-explanatory controller for easy and quick commissioning
- › Possibility of preparing and uploading field settings via a PC
- › Feedback on operation conditions and energy consumption



Overview controllers for Siesta Sky Air

Siesta Sky Air indoor units	Controllers
ACQ-C 4-way blow, ceiling mounted cassette	- Standard infrared remote control in box of decoration panel ADP125A - Optional wired remote control ARCWB - Optional group controller
AHQ-C ceiling suspended	- Standard infrared remote control in box of indoor unit - Optional wired remote control ARCWB - Optional group controller
ABQ-C concealed ceiling	- Standard wired remote control (ARCWA) in box of indoor unit - Optional group controller

Overview of features

Feature		ARCWA	ARCWB
		Standard with ABQ-C	Option for AHQ-C and ACQ-C
			
1	ON/OFF switch	Standard	Standard
2	Temperature setting	Default range 16-30°C	Standard
		Optional range 20-30°C	By dipswitch selection
		Switch between °C and °F	Standard
3	Room temperature display	Standard	Not available
4	Room temperature sensor on remote control	Standard	Standard
5	Cool / Fan dry / Heat / Auto	Standard	Standard
6	Sleep mode	Standard	Standard
7	Fan Speed selection	Standard	Standard
8	Delay timer	1, 2 & 4 hours delay	1, 2 & 4 hours delay
9	7-days programmable timer	Standard	Standard
10	Real time clock display	Standard	Standard
11	Air swing selection	ON/OFF swing mode	Standard
		Change swing option (draft/soil prevention or standard)	Not available
12	LCD display without backlight	Standard	Standard
13	Key lock	Standard	Standard
14	Error code indication	Standard	Standard
15	IR receiver to enable compatibility with infrared remote control (disabled when lock function is activated)	Standard	Standard
16	Last state memory from indoor PCB	Standard	Standard
17	Silent mode	Not available	By dipswitch selection
18	Turbo mode	Not available	By dipswitch selection
19	Compressor test model (compressor force ON)	Standard	Standard
20	Daikin inverter error code	Not available	Standard
21	UART communication port (for Daikin protocol)	Not available	Standard
22	Backup battery	Standard	Standard

Specifications

Dimensions (length x width x height) ARCWB: 0.15 m x 0.21 m x 0.04 m.

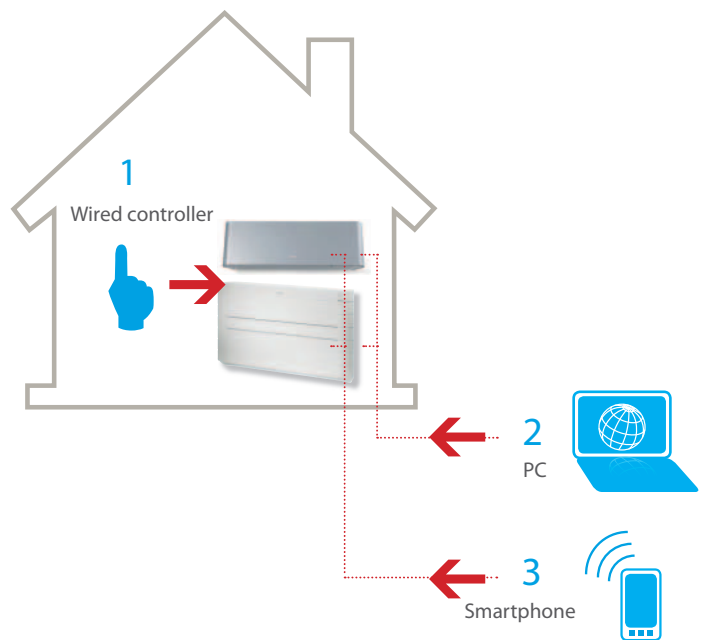
ARCWB comes standard with a 10 meter wire, which can be extended to maximum wire length of 15 meter. For reference: ARCWA comes standard with a 10 meter **wire**, which cannot be extended.

ARCWB & ARCWA can only control **one indoor unit** at a time; group control is only possible when using option R04084124324.

Always in control, no matter where you are



Daikin provides a new control solution to monitor and control the main functions of the residential indoor units. The system is working in an end-user friendly way and can be used from any location via your smartphone, laptop, PC, tablet or touch screen.



Residential use:

Optimal home comfort / holiday home surveillance

- > Create a comfortable home climate at any time and at any place
- > Remote detection of failures

Light commercial use:

Flexible office solution

- > Dynamic group control in open space
- > Fault manager / event logger
- > Easily create a yearly schedule (iPlanner)
- > Back-up configuration of air conditioning

Available software features

	Residential*	Light commercial **	Extended light commercial **
Possibility to control indoor unit via internet	✓	✓	✓
Possibility to control multiple indoor units via internet (up to 9 KKR01s)	✓	✓	✓
Possibility to control multiple indoor units via internet (over 9 KKR01s)		✓	✓
Filtering data OK / ERR		✓	✓
Advanced filtering (OK / ANY ERR / COMM ERR / AC / ERR)			✓
Sorting by all columns from data-grid		✓	✓
History of alerts			✓
History of temperatures			✓
History of commands			✓
Graphic single controller with weather forecast	✓	✓	✓
Text group controller	✓	✓	✓
Weekly planner	✓		
I-planner (yearly schedule)		✓	✓
Receive via e-mail an alert report	✓	✓	✓
Autonomous periodical connectivity check			✓
Exceeded room temperature limits e-mail report			✓

* standard programmed on KKR01A
 ** additional software to be purchased online

Possible indoor units:

- > FTXG20-50LW/S
- > FTXZ25-50N
- > FTXS35-50K
- > FTXS60-71G
- > FTX50-71GV
- > FVXS25-50F
- > FVXG25-50K
- > FLXS25-60B



App

Daikin gives you a whole new way to control & monitor your residential indoor units. Ask your Daikin installer to equip your unit with an Online Controller (KKRP01A) and now you have the option to manage your unit on your iPhone/iPad, no matter where you are! Personalize your device by name and a unique icon. Create groups to set individual parameters for multiple devices in one tap. Or check weather conditions and forecasts at unit location.

Install the app with below QR code



Specifications

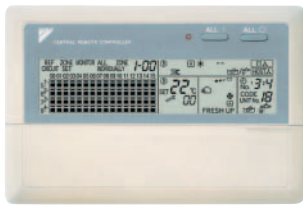
Online controller KKRP01A

COMMUNICATION INTERFACES	
Ethernet LAN 10/100 Mbit/s	for connection into LAN network
MODBUS	for connection of accessories
serial S21 cable 1,3m	for connection with A/C indoor unit
Power supply	directly from IU - 5 V DC for Online Controller, 12 V DC for accessories
Power consumption	120 mA, 0,6 W
IP code	IP10 / IP44 - inside A/C unit
OTHERS	
Mounting	inside of A/C IU or into External Mounting Kit
Weight	50g
Dimensions (W X h X d)	64 X67 X 17 mm (without cable)

Options

MATERIAL NAME	DESCRIPTION	EXPLANATION
KKRPM01A	External mounting kit	To install online controller outside the indoor unit or to extend the length of the cable between indoor unit and KKRP01A. It can easily be mounted on the wall or hidden in false ceilings.
KKRPW01A	Wifi Cable Pack	To enable wireless internet connection. Wifi module to be purchased locally.
KBRC01	Easy wall controller	Wired controller to be installed on the wall. Designed to easily control one indoor unit or a group of indoor units.
KBRC01A	Touch LCD wall controller	

Centralised control systems



DCS302C51



DCS301B51



DST301B51

Centralised control of the Sky Air and VRV system can be achieved via 3 user friendly compact controls: centralised remote control, unified on/off control and schedule timer. These controls may be used independently or in combination where 1 group = several (up to 16) indoor units in combination and 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

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)

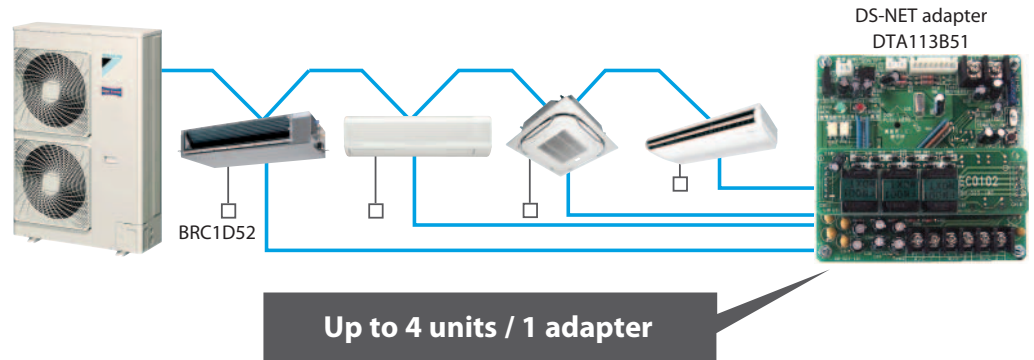
DST301B51 Schedule timer

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)

Basic solution for control of Sky Air and VRV

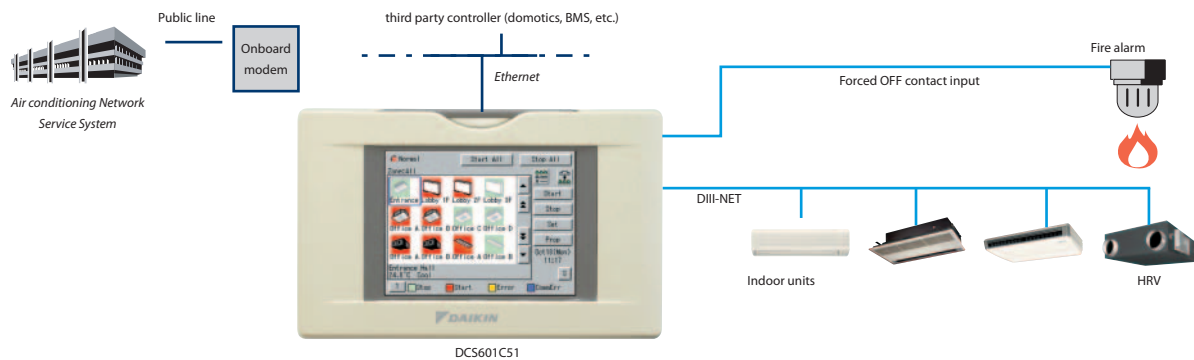
- > Rotation function
- > Backup operation function.



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)

Management

- > Easy management of electricity consumption
- > Enhanced history function

Control

- > Individual control (set point, start/stop, fan speed) (max. 64 groups/indoor units)
- > Set back schedule
- > 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
- > Multi PC

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)

Connectable to

- > VRV
- > HRV
- > Sky Air
- > Split (via interface adapter)

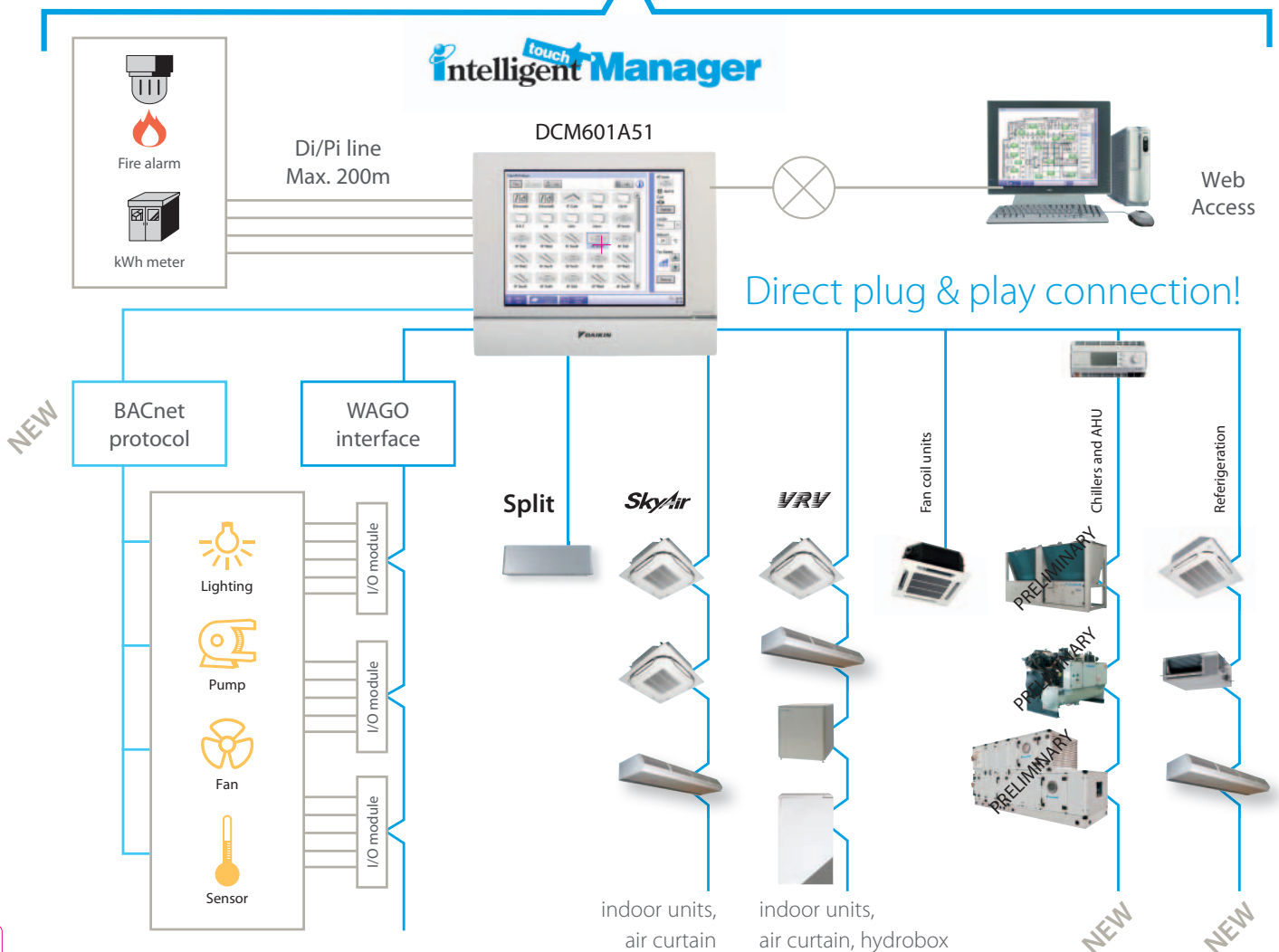
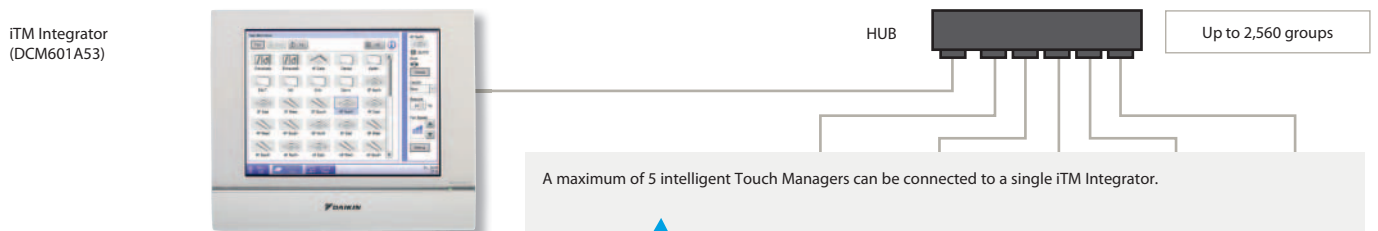
New Management control



- ✓ Cost competitive mini BMS
- ✓ Cross-pillar integration of Daikin products
- ✓ Integration of third party equipment

Full integration across all product pillars

System overview



User friendliness

- › Intuitive user interface
- › Visual lay out view and direct access to indoor unit main functions
- › 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

- › 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 2,560 indoor unit groups



Easy servicing and commissioning

- › Remote refrigerant containment check preventing on site visit
- › Simplified troubleshooting
- › Save time on commissioning thanks to the pre-commissioning tool
- › Auto registration of indoor units

Functions overview



DCM601A51

Languages

- › English
- › French
- › German
- › Italian
- › Spanish
- › Dutch
- › Portuguese

System layout

- › Up to 2,560 unit groups can be controlled (ITM plus Integrator + 7 iPU (incl. iTM adaptor))
- › Ethernet TCP/IP

Management

- › Web access
- › Power Proportional Distribution (option)
- › Operational history (malfunctions, operation hours, ...)
- › Smart energy management
 - monitor if energy use is according to plan
 - detect origins of energy waste
- › Setback function
- › Sliding temperature

Control

- › Individual control (2,560 groups)
- › Schedule setting (Weekly schedule, yearly calendar, seasonal schedule)
- › Interlock control
- › Setpoint limitation
- › Temperature limit

WAGO Interface

- › Modular integration of 3rd party equipment
 - WAGO coupler (interface between WAGO and Modbus)
 - Di module
 - Do module
 - Ai module
 - Thermistor module

Connectable to

- DX Split, Sky Air, VRV
- Chillers (with Microtech controller)
- Daikin AHU
- Fan coils
- Daikin Altherma Flex type
- LT and HT hydroboxes
- Air curtains
- WAGO I/O
- BACnet protocol

Integration of RA, Sky Air, VRV, Daikin Altherma Flex and AHU in BMS or home automation systems



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-LT

- › Modbus interface for monitoring and control of Daikin Altherma low temperature (EHVH(X)-C / EHBH(X)-C)
- › Voltage and resistance control
- › Photovoltaic operation signal for energy saving

RTD-20

- › Advanced control of Sky Air, VRV, VAM/VKM and air curtains
- › Clone or independent zone control
- › Increased comfort with integration of CO₂ 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

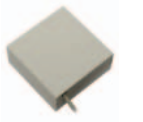




RTD-HO

- › 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 x 100 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
nbr 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



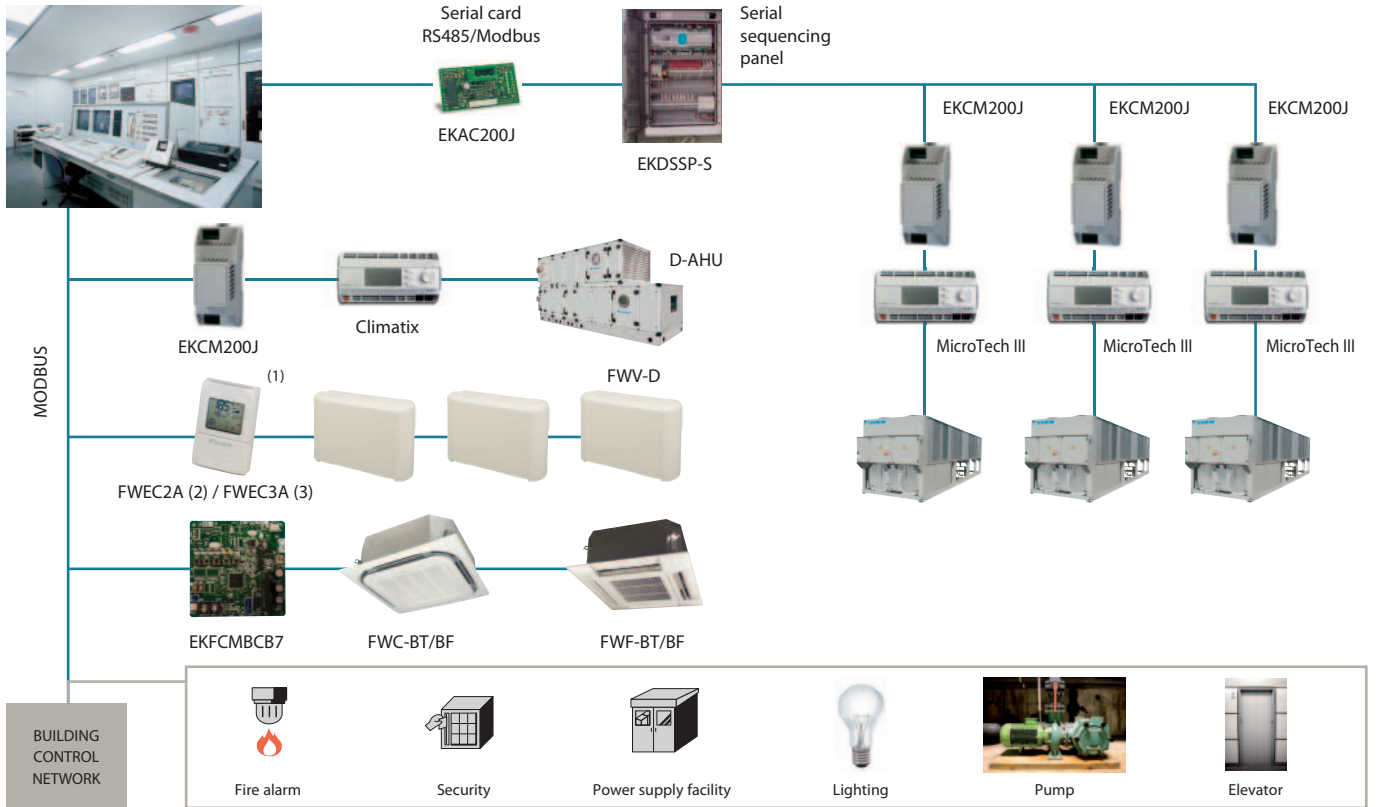
Main functions	RTD-W
Dimensions	H x W x D
On/off prohibition	100x100x22
Modbus RS485	✓
Dry contact control	✓
Output signal (operation error)	✓
Space heating / cooling operation	✓
Domestic hot water control	✓

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 reheat	M,C
Domestic Hot Water storage	M
Quiet mode	M,C
Weather dependent setpoint enable	M
Weather dependent curve shift	M
Control source prohibition	M

Monitoring functions	
On/Off Space heating/cooling	M,C
Set point leaving water temperature (heating/cooling)	M
Room temperature setpoint	M
Operation mode	M
Domestic Hot Water reheat	M
Domestic Hot Water storage	M
Number of units stored in the group	M
Average leaving water temperature	M
Remocon room temperature	M
Fault	M,C
Fault code	M
Circulation pump operation	M
Compressor status	M
Desinfection operation	M
Setback operation	M
Defrost/ start up	M
Pump running hours accumulated	M
Actual leaving water temperature	M
Actual return water temperature	M
Actual DHW tank temperature (*)	M
Actual outdoor temperature	M

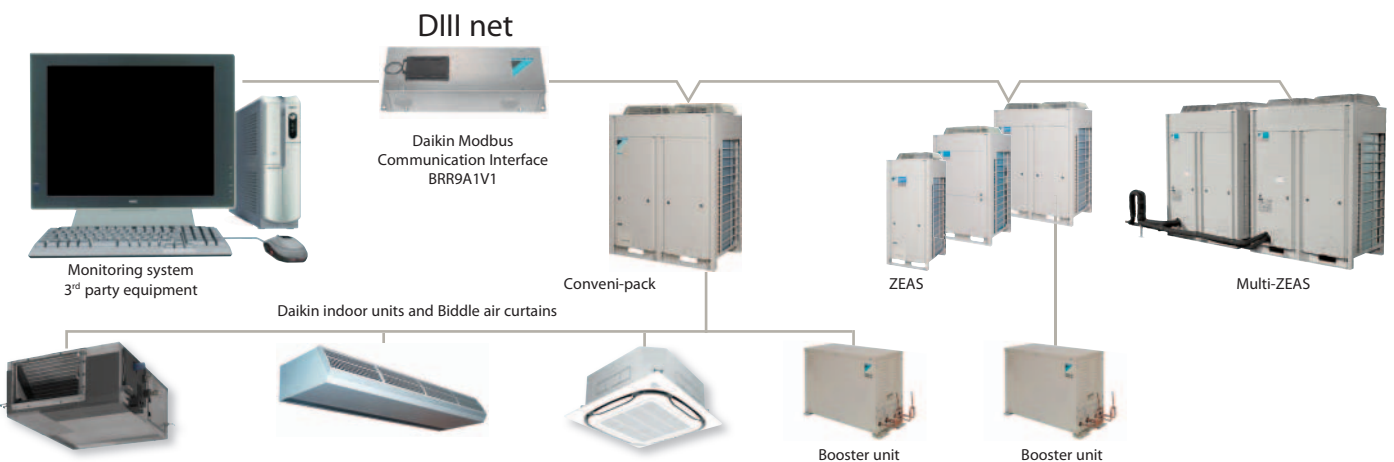
M : Modbus / R : Resistance / V : Voltage / C: control
 * : only when room is occupied / ** : setpoint limitation / (*) if available
 *** : no fan speed control on the CVV air curtain / **** : run & fault

Integrate chillers, fan coils 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 & FWV-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



* For all connectable indoor units and Biddle air curtains please refer to the Conveni-pack page in this catalogue

Integrate VRV in BMS via modbus protocol using F1 F2

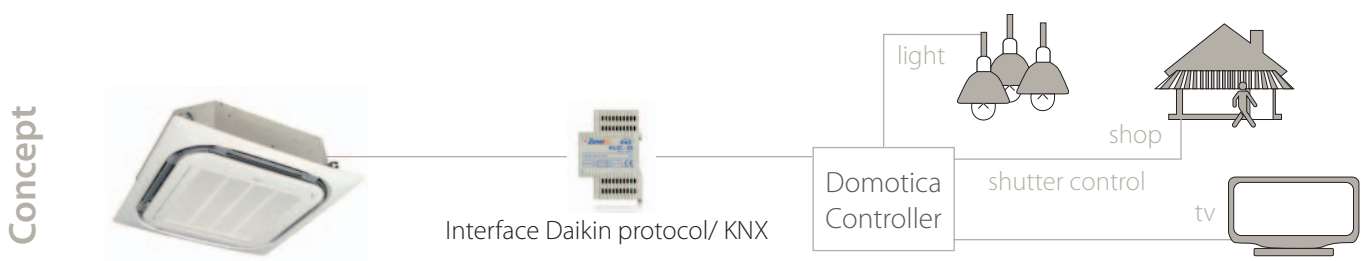
Expected in 2014

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

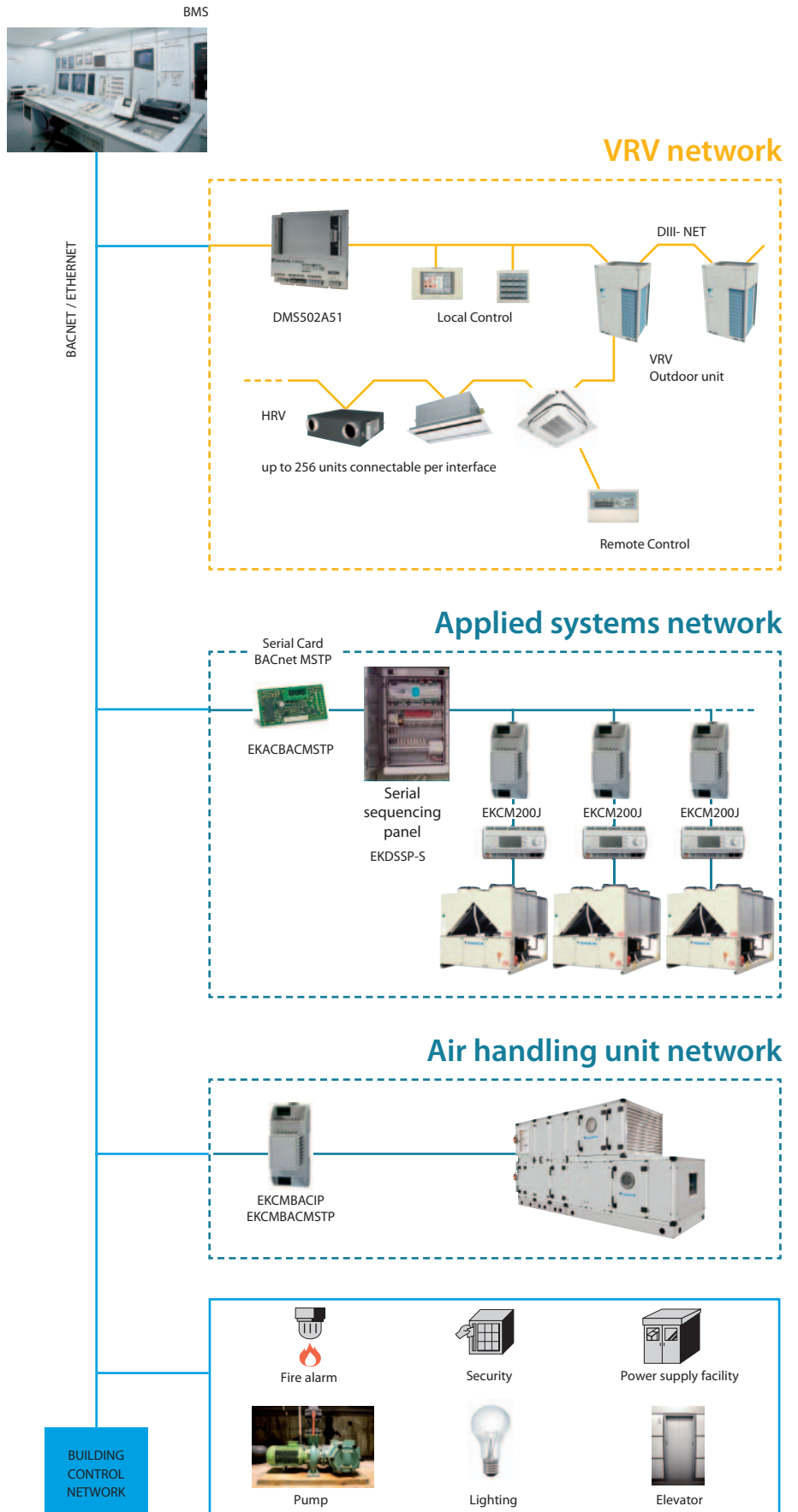
The integration of Daikin indoor units through the KNX interface allows monitoring and control of several devices, such as lights and shutters, from one central controller. One particularly important feature is the ability to programme a 'scenario' - such as "Home leave" - in which the end-user selects 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 90x60x35mm	 KLIC-DI Size 45x45x15mm	
	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		✓	✓

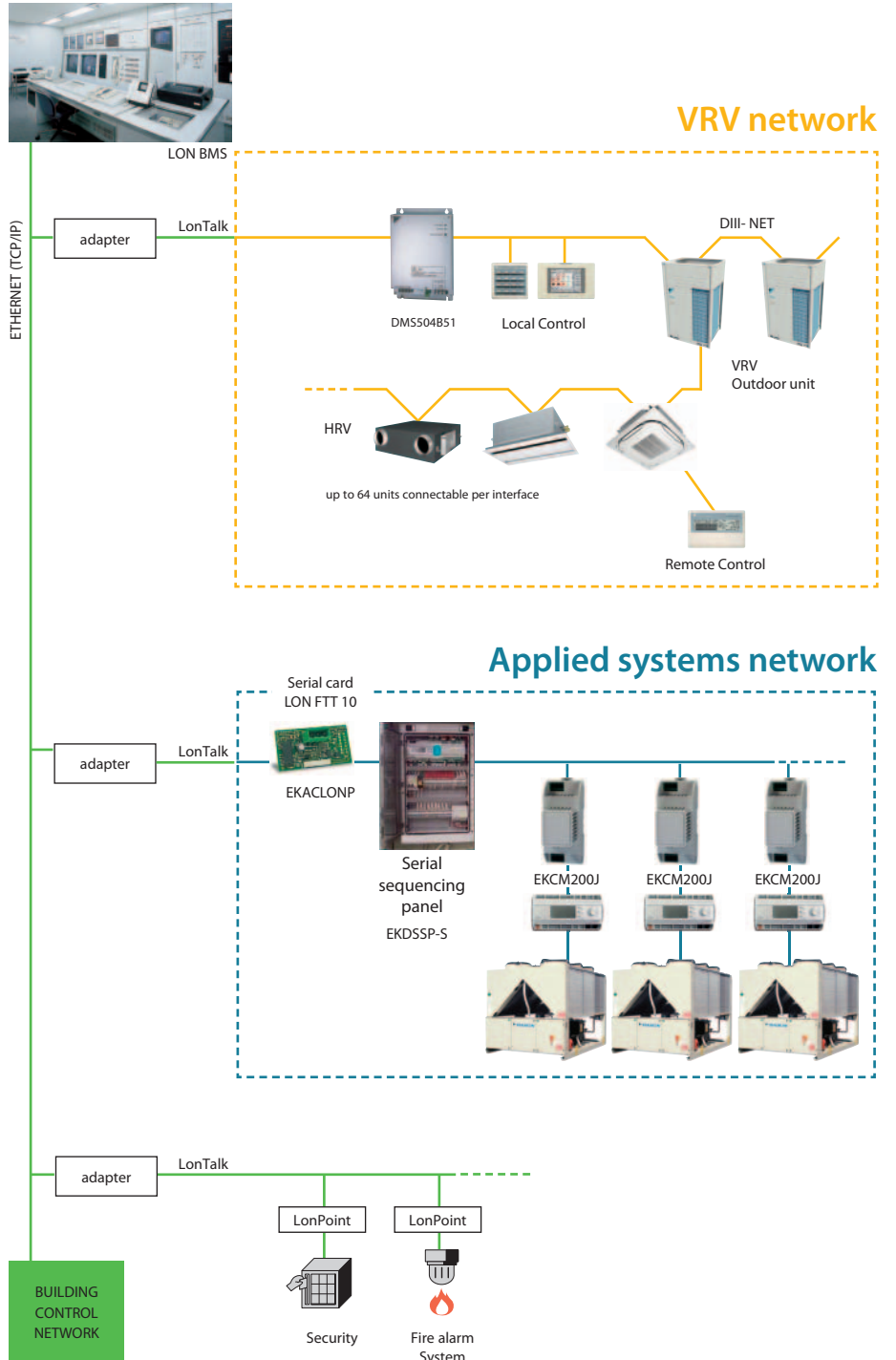
Integrated control system for **seamless connection** between VRV, applied Systems, air handling units and BMS systems

- > Interface for BMS system
- > Communication via BACnet protocol (connection via Ethernet)
- > Unlimited sitesize
- > Easy and fast installation
- > PPD data is available on BMS system (only for VRV)



Open network integration of VRV and applied systems 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



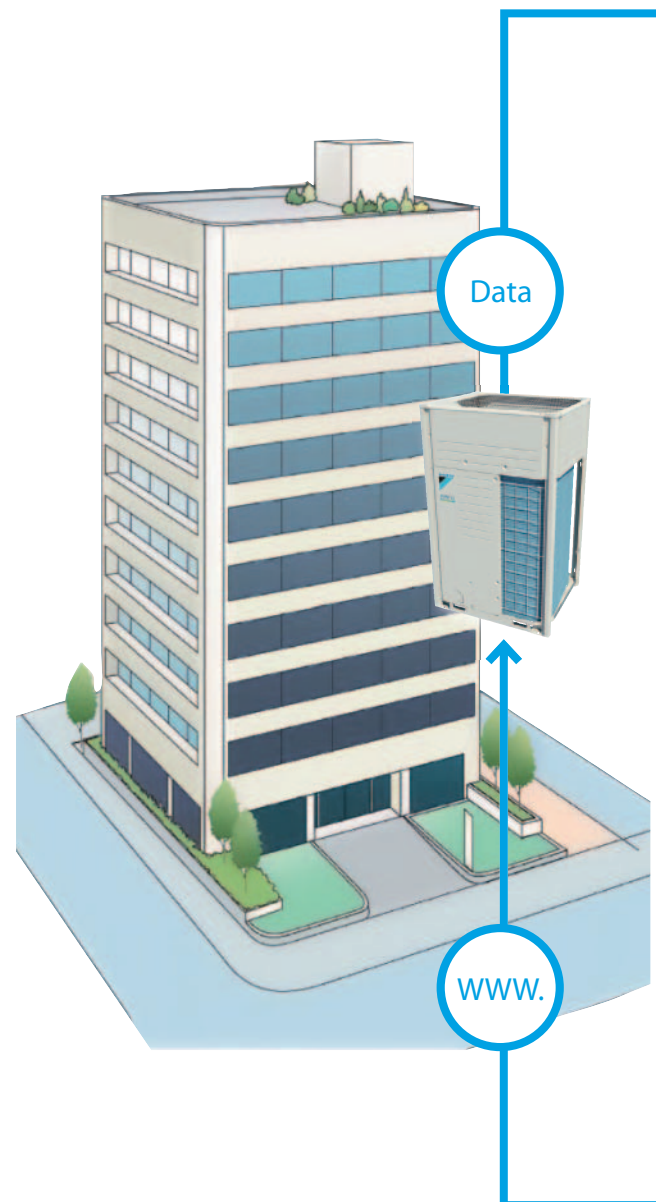
Air Conditioning Network Service System (ACNSS)

The challenge of your technical management is safeguarding in the long term optimal operation of your air conditioning system without incurring huge costs along the way. Daikin's Air Conditioning Network Service System improves the effectiveness of your management.

The network service system is a link via the internet, between the air conditioning system and Daikin's Remote Monitoring Centre. In so doing, expert service engineers monitor the operating status of the entire system nonstop all through the year. The 'ACNSS monitoring service' prevents troubles and prolongs the life of your equipment.

Thanks to the prediction of malfunctions and the technical advice following from data analysis, you not only maximise equipment availability, but also control cost without sacrificing comfort levels.

Daikin's ACNSS is also supported by the optional 'ACNSS energy saving service' as energy use is one of the largest operating expenses of any business. This service enables you to optimise on power consumption without failing to keep the customer's amenity.



ACNSS monitoring service



ACNSS energy saving service

COMFORT MAINTAINED

1 Data transmission

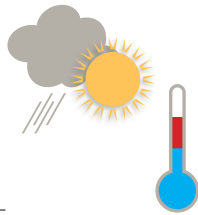
Air conditioners's running information and other necessary data are collected and compiled, and sent to the centre. Advance failure forecasts and monitoring data for accidental problems are transmitted.



OPTION:

energy-saving control determination

Operating information is analyzed, and the optimum energy-saving control settings are calculated according to weather data for the region.



Weather information

2 Daikin Remote Monitoring Centre

Daikin's control implemented



touch Intelligent Controller



touch Intelligent Manager

3 data analysis & system monitoring

Reporting data is reviewed and system is monitored 24/7 for any occurrences.

Energy-saving Report
Maintenance Report
Malfunction and prediction call



Information to customers, service company

* A contract with Daikin is necessary for applying Energy-saving Air conditioning Network Service System. If you would like an estimation, please contact us.
* Contact your Daikin responsible for connectable units

Daikin Configurator Software

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



Simplified
commissioning



Retrieve initial
system settings

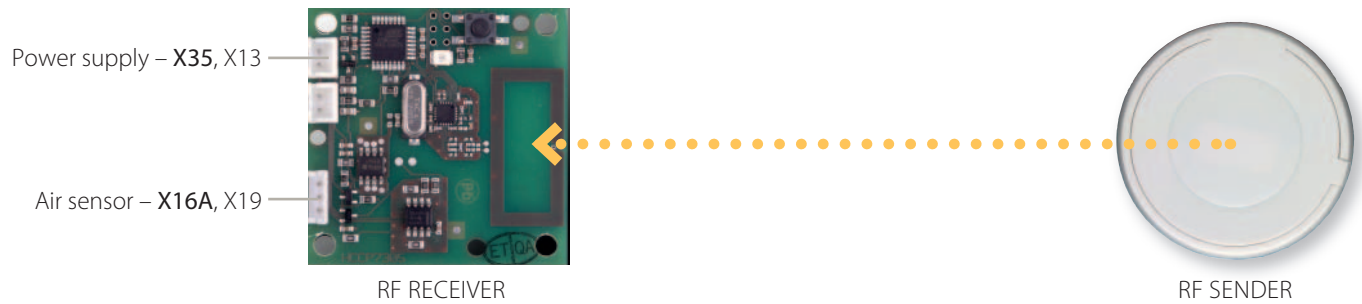


Flexible and easy installation



- › 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-P 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.

KRCS01-1B KRCS01-4B

Wired room temperature sensor

- › 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

Other integration devices

Adapter PCB's – Simple solutions for unique requirements

Daikin's adapter PCB's provide simple solutions for unique requirements. They are a low cost option to satisfy simple control requirements and can be used on single or multiple units.

	(E)KRP1B* adapter for wiring	<ul style="list-style-type: none"> Facilitates integration of auxiliary heating apparatus, humidifiers, fans, damper Powered by and installed at the indoor unit
	KRP2A*/KRP4A* Wiring adapter for electrical appendices	<ul style="list-style-type: none"> Remotely start and stop up to 16 indoor units (1 group) (KRP2A* via P1 P2) Remotely start and stop up to 128 indoor units (64 groups) (KRP4A* via F1 F2) Alarm indication/ fire shut down Remote temperature setpoint adjustment
	DTA104A* Outdoor Unit External Control Adapter	<ul style="list-style-type: none"> Individual or simultaneous control of VRV system operating mode Demand control of individual or multiple systems Low noise option for individual or multiple systems
	KRP928* Interface adapter for DIII-net	<ul style="list-style-type: none"> Allows integration of split units to Daikin central controls
	KRP413* Wiring adapter normal open contact / normal open pulse contact	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Connect a wired remote control Connect to Daikin central controls Allow external contact

Concept and benefits

- › Low cost option to satisfy simple control requirements
- › Deployed on single or multiple units



OPTION LISTS

Split	378
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Control Systems	403
Heating	404

Options & accessories - Split

INDOOR UNITS - CONTROL SYSTEMS	FTXZ25N	FTXZ35N	FTXZ50N	FTXG25L	FTXG35L	FTXG50L
Wired remote control (3)					BRC944 (3)	
Wireless remote control						
Simplified remote control						
Remote control for hotel use						
Cord for wired remote control	3m				BRCW901A03	
	8m				BRCW901A08	
Wiring adapter normal open contact / normal open pulse contact		KRP413A15 (1)			KRP413A15 (1)	
Centralised control board	Up to 5 rooms	KRC72 (2)			KRC72 (2)	
Anti-theft protection for remote control		KKF936A4			KKF910A4	
Central remote control		DCS302C51			DCS302C51	
Unified on/off control		DCS301B51			DCS301B51	
Schedule timer		DST301B51			DST301B51	
Wiring adapter for electrical appendices						
Remote sensor						
Installation box for adapter PCB						
Electric box with earth terminal 2 / 3 blocks						
Interface adapter for DIII-net		KRP928A2S			KRP928A2S	
Online controller		KKRP01A			BRP069A41	
External mounting kit for online controller		KKRPM01A				
Wifi power cable for online controller		KKRPW01A				
Touch LCD wall controller (4)		KBRC01A				
Simple wall controller (4)		KBRC501A				
KNX gateway		KLIC-DD			KLIC-DD	

Notes

(1) Wiring adapter supplied by Daikin. Time clock and other devices : to be purchased locally. / (2) Wiring adapter is also required for each indoor unit.

(3) Cord for wired remote control BRCW901A03 or BRCW901A08 required.

(4) Can only be used in combination with online controller KKRPM01A.

INDOOR UNITS	FTXZ25N	FTXZ35N	FTXZ50N	FTXG25L	FTXG35L	FTXG50L
Air purification and deodorising filter set without frame						
Air supply filter with frame						
Suction grille						
Photocatalytic deodorising filter, with frame						
Photocatalytic deodorising filter, without frame						
Air purification filter, with frame						

INDOOR UNITS - CONTROL SYSTEMS	FTX20JV	FTX25JV	FTX35JV	FTX50GV	FTX60GV	FTX71GV	CTXS15K
Wired remote control (3)		BRC944			BRC944		
Cord for wired remote control	3m	BRCW901A03			BRCW901A03		
	8m	BRCW901A08			BRCW901A08		
Wiring adapter normal open contact / normal open pulse contact					KRP413A15		
Centralised control board	Up to 5 rooms				KRC72 (2)		
Anti-theft protection for remote control		KKF917AA4			KKF917AA4		
Interface adapter for wired remote control		KRP980A1					
Central remote control					DCS302C51		
Unified on/off control					DCS301B51		
Schedule timer					DST301B51		
Interface adapter for DIII-net					KRP928A2S		
Online controller					KKRP01A		
External mounting kit for online controller					KKRPM01A		
Wifi power cable for online controller					KKRPW01A		
Touch LCD wall controller (4)					KBRC01A		
Simple wall controller (4)					KBRC501A		
KNX gateway					KLIC-DD		

Notes

(1) Wiring adapter supplied by Daikin. Time clock and other devices : to be purchased locally. / (2) Wiring adapter is also required for each indoor unit.

(3) Cord for wired remote control BRCW901A03 or BRCW901A08 required.

(4) Can only be used in combination with online controller KKRPM01A.

(5) Interface adapter KRP980A1 required.

INDOOR UNITS	FTX20JV	FTX25JV	FTX35JV	FTX50GV	FTX60GV	FTX71GV	CTXS15K
Titanium apatite photocatalytic air-purification filter without frame					KAF952B42		
Installation leg							

OUTDOOR UNITS	RXZ25N	RXZ35N	RXZ50N	RX20JV	RX25JV	RX35JV	RX50GV
Air direction adjustment grille							
Humidifying hose L joint (10 pcs.)		KPMJ983A4L					
L-shape cuffs for humidification (10pcs)		KPMH950A4L					
Humidifying hose extension set 2m		KPMH974A402					
Hose for humidification (10m)		KPMH942A42					

OUTDOOR UNITS	RXLG25K	RXLG35K	RXLG50K	RXL20K	RXL25K	RXL35K
Air direction adjustment grille			KPW945A4			

FDXS25F	FDXS35F	FDXS50F9	FDXS60F	FVXS25F	FVXS35F	FVXS50F	FLXS25B	FLXS35B	FLXS50B	FLXS60B
BRC1D52 / BRC1E52A / BRC1E52B										
BRC4C65										
BRC2C51										
BRC3A61										
					KRP413A1S (1)			KRP413A1S (1)		
					KRC72 (2)			KRC72 (2)		
								KKF917AA4		
	DCS302C51				DCS302C51			DCS302C51		
	DCS301B51				DCS301B51			DCS301B51		
	DST301B51				DST301B51			DST301B51		
	KRP4A54									
	KRCS01-4									
	KRP1BA101									
	KJB212A / KJB311A									
					KRP928A2S			KRP928A2S		
	--				KKRP01A			KKRP01A		
	--				KKRPM01A			KKRPM01A		
	--				KKRPW01A			KKRPW01A		
	--				KBRC01A			KBRC01A		
	--				KBRC501A			KBRC501A		
					KLIC-DD			KLIC-DD		

FDXS25F	FDXS35F	FDXS50F9	FDXS60F	FVXS25F	FVXS35F	FVXS50F	FLXS25B	FLXS35B	FLXS50B	FLXS60B
									KAZ917B41	
									KAZ917B42	
									KAF925B41	

FTXS20K	FTXS25K	CTXS35K	FTXS35K	FTXS42K	FTXS50K	FTXS60G	FTXS71G	FVXG25K	FVXG35K	FVXG50K
BRC944				BRC944		BRC944			BRC944	
BRCW901A03				BRCW901A03		BRCW901A03			BRCW901A03	
BRCW901A08				BRCW901A08		BRCW901A08			BRCW901A08	
KRP413A1S				KRP413A1S		KRP413A1S (1)			KRP413A1S (1)	
KRC72 (2)				KRC72 (2)		KRC72 (2)			KRC72 (2)	
KKF910A4				KKF910A4		KKF910A4			KKF910A4	
KRP980A1										
DCS302C51				DCS302C51		DCS302C51			DCS302C51	
DCS301B51				DCS301B51		DCS301B51			DCS301B51	
DST301B51				DST301B51		DST301B51			DST301B51	
KRP928A2S				KRP928A2S		KRP928A2S			KRP928A2S	
				KKRP01A		KKRP01A			KKRP01A	
				KKRPM01A		KKRPM01A			KKRPM01A	
				KKRPW01A		KKRPW01A			KKRPW01A	
				KBRC01A		KBRC01A			KBRC01A	
				KBRC501A		KBRC501A			KBRC501A	
KLIC-DD (5)				KLIC-DD		KLIC-DD			KLIC-DD	

FTXS20K	FTXS25K	CTXS35K	FTXS35K	FTXS42K	FTXS50K	FTXS60G	FTXS71G	FVXG25K	FVXG35K	FVXG50K
										BKS028

RX60GVB	RX71GVB	RXS20L	RXS25L	RXS35L	RXS42L	RXS50L	RXS60L	RXS71F8	RXG25L	RXG35L	RXG50L
KPW945A4						KPW945A4	KPW945A4				KPW945A4

RXL42K	RXL50K	2MXS40H	2MXS50H	3MXS40K	3MXS52E	3MXS68G	4MXS68F	4MXS80E	5MXS90E
	KPW945A4								KPW945A4

Options & accessories - *SkyAir*

INDOOR UNITS - CONTROL SYSTEMS	FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQG35F	FCQG50F	FCQG60F	FCQG71F	FCQG100F	FCQG125F	FCQG140F
Wired remote control	BRC1D52 / BRC1E52A (3) / BRC1E52B (4)				BRC1D52 / BRC1E52A (3) / BRC1E52B (4)						
Infrared remote control + decoration panel	-				-						
I-touch controller	DCS601C51				DCS601C51						
Infrared remote control (heat pump)	BRC7FA532F (5)				BRC7FA532F (5)						
Simplified remote control	-				-						
Remote control for hotel use	BRC3A61				BRC3A61						
Centralised remote control	DCS302C51				DCS302C51						
Unified ON/OFF control	DCS301B51				DCS301B51						
Schedule timer	DST301B51				DST301B51						
Adapter for wiring (interlock for fresh air intake fan)	-				-						
Adapter for external ON/OFF and monitoring/for electrical appendices	KRP1B57/KRP4A53 (1)(5)				KRP1B57/KRP4A53 (1)(5)						
Interface adapter for Sky Air	-				-						
Installation box for adapter PCB	KRP1H98 (5)				KRP1H98 (5)						
Remote sensor	KRC501-4				KRC501-4						
Remote ON/OFF, forced OFF	EKORO2				EKORO2						
Electrical box with earth terminal (3 blocks)	KJB311A				KJB311A						
Electrical box with earth terminal (2 blocks)	KJB212A				KJB212A						
Adapter for wiring (hour meter)	EKRP1C11 (1)(5)				EKRP1C11 (1)(5)						
Options PCB for external electrical heater, humidifier and/or hour meter	-				-						
Option PCB for group control (NIM03)	-				-						

Notes

- (1) Installation box for adapter PCB is necessary
- (2) Interface adapter for Sky Air series (DTA112B51) is necessary
- (3) Including following languages: English, German, French, Italian, Spanish, Dutch, Greek, Russian, Turkish, Portuguese, Polish
- (4) Including following languages: English, German, Czech, Croatian, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian.
- (5) Option not available in combination with BYCQ140*G
- (6) Installation box for adapter PCB (KRP1B101) is necessary
- (7) Electrical heater, humidifier and hour meter are field supply. These parts should not be installed inside the equipment.
- (8) Sensing function is not available
- (9) Independently controllable flaps function is not available

INDOOR UNITS	FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQG35F	FCQG50F	FCQG60F	FCQG71F	FCQG100F	FCQG125F	FCQG140F
Replacement long-life filter	KAFP551K160				KAFP551K160						
Sealing member of air discharge outlet	KDBHQ55B140 (4)				KDBHQ55B140 (4)						
Decoration panel	BYCQ140D + BYCQ140DW(1) + BYCQ140DG (2)(3)				BYCQ140D + BYCQ140DW(1) + BYCQ140DG (2)(3)						
Decoration panel + infrared remote control	-				-						
Fresh air intake kit (direct installation type)	KDDQ55B140-1 (4)+ KDDQ55B140-2 (6)				KDDQ55B140-1 (4)+ KDDQ55B140-2 (6)						
Panel spacer	-				-						
Sensor kit	BRYQ140A (5)				BRYQ140A (5)						

Notes

- (1) The BYCQ140DW has white insulations. Be informed that dirt is more visible on white insulation and that it is consequently not advised to install the BYCQ140DW decoration panel in environments exposed to concentrations of dirt.
- (2) To be able to control the BYCQ140DG, the controller BRC1E* is needed
- (3) The BYCQ140DG is only compatible with Sky Air RZQ(G), RZQS(G); All VRV outdoors; Split RKS, RXS
- (4) Option not available in combination with BYCQ140DG
- (5) Sensor kit can only be operated with BRC1E52A/B
- (6) BYFQ60B2 = basic, BYFQ60CW = White, BYFQ60CS = Grey
- (7) BRYQ60AW = White, BRYQ60AS = Grey
- (8) Both parts of the fresh air intake kit are needed for each unit.

ACQ71B	ACQ100B	ACQ125B	FFQ25C	FFQ35C	FFQ50C	FFQ60C	FDBQ25B	FBQ35C8	FBQ50C8	FBQ60C8	FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	ABQ71B	ABQ125A	ABQ140A	
	ARCWB		BRC1D52 / BRC1E52A (3) - BRC1E52B (4)(9)				BRC1D52 / BRC1E52A (3) / BRC1E52B (4)		BRC1D52 / BRC1E52A (3)		BRC1E52B (4)							
	ADP125A																	
	-			DCS601C51							DCS601C51 (2)							
	-			BRC7EB530/BRC7F530W/BRC7F530S (8-9)							BRC4C65							
	-																	
	-										BRC3A61							
	-			DCS302B51							DCS302C51							
	-			DCS301B51							DCS301B51							
	-			DST301B51							DST301B51							
	-										KRP1B54							
	-			KRP1B57/KRP4A53(6)							KRP4A51/KRP2A51							
	-										DTA112B51							
	-			KRP1B101/ KRP1BA101														
	-			KRCS01-4							KRCS01-1							
	-										EKRORO3							
	-																	
	-																	
	-			EKRP1B2			EKRP1B2											
	-																	
	-										EKRP1B2A (7)							
	R04084124324																	R04084124324

ACQ71B	ACQ100B	ACQ125B	FFQ25C	FFQ35C	FFQ50C	FFQ60C	FDBQ25B	FBQ35C8	FBQ50C8	FBQ60C8	FBQ71C8	FBQ100C8	FBQ125C8	FBQ140C8	ABQ71B	ABQ125A	ABQ140A
	-			KAFQ441BA60													
	-			BDBHQ44C60													
	-			BYFQ60B2/BYFQ60CW/BYFQ60CS (6)				BYBS32D	BYBS45D	BYBS71D		BYBS125D					
	ADP125A																
	-			KDDQ44XA60													
	-			KDBQ44B60													
	-			BRYQ60AW/BRYQ60AS (7)													

Options & accessories - *SkyAir*

INDOOR UNITS - CONTROL SYSTEMS	FDQ125C	FDQ200B	FDQ250B	FAQ71C	FAQ100C	FHQ35C	FHQ50C	FHQ60C	FHQ71C
Wired remote control	BRC1D52 / BRC1E52A (3) / BRC1E52B (4)			BRC1D52 / BRC1E52A (3) / BRC1E52B (4)			BRC1D52 / BRC1E52A (3) / BRC1E52B (4)		
I-touch controller	DCS601C51	-	-	DCS601C51			-		
Infrared remote control (heat pump)	BRC4C65	-	-	BRC7EB518			BRC7G53		
Simplified remote control	-			BRC2C51			-		
Remote control for hotel use	-			BRC3A61			-		
Centralised remote control	DCS302C51			DCS302C51			DCS302C51		
Unified ON/OFF control	DCS301B51			DCS301B51			DCS301B51		
Schedule timer	DST301B51			DST301B51			DST301B51		
Adapter for wiring (interlock for fresh air intake fan)	KRP1C64	KRP1B54		-			-		
Adapter for external ON/OFF and monitoring/for electrical appendices	KRP4A51			KRP4A51 (1)			KRP1B54 / KRP4A52		
Interface adapter for Sky Air (2)	-	DTA112B51		-			-		
Installation box for adapter PCB	-			KRP4A93			KRP1D93A		
Remote sensor	KRCS01-4B	-		KRCS01-1			KRCS01-4B		
Remote ON/OFF, forced OFF	EKRORO3	EKRORO		-			EKRORO4		
Electrical box with earth terminal (3 blocks)	-			KJB311A			KJB311A		
Electrical box with earth terminal (2 blocks)	-			KJB212A			KJB212A		
Options PCB for external electrical heater, humidifier and/or hour meter	EKRP1B2	EKRP1B2		-			-		
Mounting plate for adapter PCB	KRP4A96	-		-			-		
Option PCB for group control (NIM03)	-			-			-		

Notes

- (1) Installation box for adapter PCB is necessary
- (2) Interface adapter for Sky Air series (DTA112B51) is necessary
- (3) Including following languages: English, German, French, Italian, Spanish, Dutch, Greek, Russian, Turkish, Portuguese, Polish
- (4) Including following languages: English, German, Czech, Croatian, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian.
- (5) Electrical heater, humidifier and hour meter are field supply. These parts should not be installed inside the equipment.
- (6) With the infrared remote control, the individual flap control and automatic air volume control cannot be controlled.

INDOOR UNITS	FDQ125C	FDQ200B	FDQ250B	FAQ71C	FAQ100C	FHQ35C	FHQ50C	FHQ60C	FHQ71C
Replacement long-life filter	-			-			KAFP501A56		KAFP501A80
Drain-up kit	-			-			KDU50P60		
Drain pump kit	-			-			KDU50P60		
L-type piping kit (upward direction)	-			-			KHFP5M35	KHFP5N63	
Sealing member of air discharge outlet	-			-			-		
Decoration panel for air discharge	-			-			-		
Decoration panel	BYBS125D(1)			-			-		
Decoration panel option	EKBYBSD			-			-		
Noise filter	-			KEK26-1A			-		
Air discharge adapter for round duct	KDAJ25K140A			-			-		
Fresh air intake kit (direct installation type)	-			-			KDDQ50A140		

Notes

- (1) Decoration panel option EKBYBSD is required for direct mounting of the decoration panel of the unit.

OUTDOOR UNITS	RZQG71L8V1/Y1	RZQG100L8V1/Y1	RZQG125L8V1/Y1	RZQG140L1V1/Y1	RZQSG71L3V1
Air direction adjustment grille	-				
Central drain plug	-				
Refrigerant branch piping	KHRQ22M20TA (KHRQ58T) ²				
	-	KHRQ127H (KHRQ58T) ²			-
	-	KHRQ22M20TA (KHRQ58T) ²			-
Demand adapter kit	KRP58M51				
Bottom plate heater	EKBPH140L7 ¹				

Notes

- (1) Bottom plate heater is only available for RZQG* models
- (2) For combination of RZQ(S)G71-140 in combination with FCQG35-71F or FCQHG71F use the refrigerant branch piping mentioned between brackets.
- (3) For RZQG71L8V1 and EKBPH140L7 it is required to use the demand adapter kit KRP58M51 in order to connect the bottom plate heater.

FHQ100C	FHQ125C	FHQ140C	AHQ71C	AHQ100C	AHQ125C	AHQ140C	FUQ71C	FUQ100C	FUQ125C	FVQ71C	FVQ100C	FVQ125C	FVQ140C
C1E52B (4)				ARCWB			BRC1D52 / BRC1E52A (3) / BRC1E52B (4)				BRC1D52 / BRC1E52A (3) / BRC1E52B (4)		
				-			-				DCS301C51		
				-			BRC7C58 (6)				-		
				-			-				BRC2C51		
				-			-				BRC3A61		
				-			DCS302C51				DCS302C51		
				-			DCS301B51				DCS301B51		
				-			DST301B51				DST301B51		
				-			-				-		
				-			KRP4A53 (1)				KRP1B57 / KRP4A52		
				-			-				-		
				-			KRP1B97				KRP4AA95		
				-			KRCS01-4				-		
				-			EKOROS				-		
				-			KJB311A				-		
				-			KJB212A				-		
				-			-				-		
				-			-				-		
				R04084124324			-				-		

FHQ100C	FHQ125C	AHQ71C	AHQ100C	AHQ125C	AHQ140C	FUQ71C	FUQ100C	FUQ125C	FVQ71C	FVQ100C	FVQ125C	FVQ140C
KAFP501A160			-				KAFP551K160			KAFJ95L160		
KDU50P140			-				-			-		
KDU50P140			-				-			-		
KHFP5N160			-				-			-		
			-				KDBHP49B140			-		
			-				KDBTP49B140			-		
			-				-			-		
			-				-			-		
			-				-			-		
			-				-			-		
			-				-			-		

RZQSG100L8V1/Y1	RZQSG125L8V1/Y1	RZQSG140LV1/Y1	AZQ571BV1/BY1	AZQ5125BV1/BY1	AZQ5140BV1/BY1	RZQ200C	RZQ250C
						KWC26B280	
						KHRQ22M20TA	
						KHRQ250H7	
						KHRQ22M20TA (x3)	
						KRP58M51	

	UATYQ-C
Rooftop controller	√
PCB	√
EXV	√
Gold Fin (NA549)	√
Scroll compressor	√
Saranet Air Filter	√
Side flow	√
Convertible	√
Filter drier	√
High pressure switch	√
Low pressure switch	√
Economiser	ECONO-AY1

No options available for UATYP-AY1(B)
No options available for ECONO-AY1

Options & accessories - **VRV** outdoor

	VRV IV with continuous heating						VRV IV without continuous heating	
	RYYQ8-12T	RYYQ14-20T	RYMQ8-12T	RYMQ14-20T	2-module systems	3-module systems	RXYQ8-12T	RXYQ14-20T
Multi-module connection kit (obligatory) - Connects multiple modules into a single refrigerant system	-	-	-	-	BHFQ22P1007	BHFQ22P1517	-	-
Extended level difference kit - Allows outdoor unit to be more than 50m above indoor units	-	-	-	-	-	-	-	-
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.	-	-	-	-	-	-	-	-
Heater tape kit - Optional electrical heater to guarantee trouble-free operation in extremely cold and humid climates	EKBPH012T* + EKBPHPCBT*	EKBPH020T* + EKBPHPCBT*	EKBPH012T* + EKBPHPCBT*	EKBPH020T* + EKBPHPCBT*	-	-	EKBPH012T* + EKBPHPCBT*	EKBPH020T* + EKBPHPCBT*
External control adapter for outdoor unit - Allows to activate Low Noise Operation and three levels of Demand Limiting 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.	For installation into an indoor unit: exact adapter type depends on type of indoor unit. See Options & Accessories of indoor units							
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	✓	✓
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.	✓	✓	✓	✓	✓	✓	✓	✓
BRP2A81 - Cool/heat selector PCB (required for VRV IV)	✓	✓	✓	✓	✓	✓	✓	✓
KKSA26A560* - Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)	✓	✓	✓	✓	✓	✓	✓	✓
KJB111A - Installation box for remote cool/heat selector KRC19-26A	✓	✓	✓	✓	✓	✓	✓	✓
EKPCCAB1 - VRV configurator	✓	✓	✓	✓	✓	✓	✓	✓
BPMKS967B2B/B3B - Branch provider (for connection of 2/3 RA indoor units)	✓	✓	-	-	-	-	✓	✓
KKPJ5F180 - Central drain plug	-	-	-	-	-	-	-	-
DTA104A61/62* - Demand PCB allowing external input to limit power consumption	✓	✓	✓	✓	✓	✓	✓	✓
KKSB2B61* - Demand PCB mounted plate. Needed to mount Demand PCB for some outdoor units.	-	✓	-	✓	-	-	-	✓

	VRV IV-Q Heat Pump Replacement VRV				
	RQYQ 140	RXYQ8-12T	RXYQ14-20T	2-module systems	3-module systems
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	-	EKBPH012T* + EKBPHPCBT*	EKBPH020T* + EKBPHPCBT*	-	-
External control adapter for outdoor unit - Allows to activate Low Noise Operation and three levels of Demand Limiting 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				
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
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 for VRV IV)	-	✓	✓	✓	✓
KKSA26A560* - Cool/heat selector PCB mounting plate (only required when cool/heat selector PCB and Heater tape kit are combined)	-	✓	✓	✓	✓
KJB111A - Installation box for remote cool/heat selector KRC19-26A	✓	✓	✓	1 kit per system	1 kit per system
BWU26A15 - Water strainer kit for 1.40MPa design pressure	-	-	-	-	-
BWU26A20 - Water strainer kit for 1.96MPa design pressure	-	-	-	-	-
EKPCCAB1 - VRV configurator	-	✓	✓	✓	✓
DTA104A61/62* - Demand PCB allowing external input to limit power consumption	-	✓	✓	✓	✓
KKSB2B61* - Demand PCB mounted plate. Needed to mount Demand PCB for some outdoor units.	-	-	✓	-	-

	Refnet Joints					
	Capacity index	Capacity index	Capacity index	Capacity index	Cap	
	< 201	201~290	291~640	> 640		
Heat Recovery systems (3-pipe)	Metric-size connections	KHRQM23M20T	KHRQM23M29T	KHRQM23M64T	KHRQM23M75T	KHR
	Imperial-size connections	KHRQ23M20T	KHRQ23M29T9	KHRQ23M64T	KHRQ23M75T	KHR
	Sound reduction kit (sound insulation)	-	-	-	-	-
	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.	-	-	-	-	-
	Installation box for remote cool/heat selector KRC19-26	-	-	-	-	-
Heat Pump systems (2-pipe)	Metric-size connections	KHRQM22M20T	KHRQM22M29T	KHRQM22M64T	KHRQM22M75T	KHR
	Imperial-size connections	KHRQ22M20T	KHRQ22M29T9	KHRQ22M64T	KHRQ22M75T	KHR

Continuous heating		VRV III-S Mini VRV	VRV III-C Cold Region VRV			VRV Classic			VRV III Heat Recovery					Total Solution VRV
2-module systems	3-module systems	RXYSQ	RTSYQ 10	RTSYQ 14~16	RTSYQ 20	RXYCQ8A	RXYCQ10-14A	RXYCQ16-20A	REYQ 8~16	REMQ 8~12	REMQ 14~16 REMHQ12	2-module systems	3-module systems	REYAQ 10~16
BH-FQ22P1007	BH-FQ22P1517	-	-	-	BH-FQ22P1007	-	-	-	-	-	-	BHFQ23P907	BH-FQ23P1357	-
-	-	-	-	-	-	-	-	-	Special order unit					-
-	-	-	KW-C26B280	KW-C26B450	2x KW-C26B280	KW-C26B160	KW-C26B280	KW-C26B450	KW-C25C450	KW-C26B280	KW-C26B450	1 kit per module	1 kit per module	KW-C25C450
-	-	-	BE-H22A10Y1L	BE-H22A18Y1L	2x BE-H22A10Y1L	-	-	-	-	-	-	-	-	-

For installation into an indoor unit: exact adapter type depends on type of indoor unit.
See Options & Accessories of indoor units

1 kit per system	1 kit per system	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 kit per system	1 kit per system	-
✓	✓	✓	-	-	-	✓	✓	✓	-	-	-	-	-	-
✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
✓	✓	✓	-	-	-	✓	✓	✓	-	-	-	-	-	-
✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-
-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-
✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

VRV III-Q Heat Recovery Replacement VRV				VRV-W IV Water-cooled VRV				
ROEQ 140~212	2-module systems	3-module systems	4-module systems	RWEYQ8-10T	Heat Pump application		Heat Recovery application	
					2-module systems	3-module systems	2-module systems	3-module systems
-	BHFP26P36C	BHFP26P63C	BHFP26P84C	-	BHFP22MA56	BHFP22MA84	BHFP26MA56	BHFP26MA84
KWC26B160	1 kit per module	1 kit per module	1 kit per module	-	-	-	-	-
-	-	-	-	-	-	-	-	-
DTA104A53/61/62 For installation into an indoor unit: exact adapter type depends on type of indoor unit. See Options & Accessories of indoor units				DTA104A62 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				
✓	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 module	1 kit per module	1 kit per module	1 kit per module
-	-	-	-	✓	1 kit per module	1 kit per module	1 kit per module	1 kit per module
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

Refnet Headers			Heat Recovery Branch Selector Boxes (BS-Boxes)				
Capacity index	Capacity index	Capacity index	1-port	1-port	1-port	4-port	6-port
< 291	291~640	> 640	Capacity index < 101	Capacity index 101 ~ 160	Capacity index 161 ~ 250	Capacity index < 100 per port	Capacity index < 100 per port
QRM23M29H	KHRQM23M64H	KHRQM23M75H	-	-	-	-	-
KHRQ23M29H	KHRQ23M64H	KHRQ23M75H	BSVQ100P8B	BSVQ160P8B	BSVQ250P8B	BSV4Q100PV	BSV6Q100PV
-	-	-	EKBSVQLNP	EKBSVQLNP	EKBSVQLNP	-	-
-	-	-	KRC19-26	KRC19-26	KRC19-26	KRC19-26 1 kit per port necessary	KRC19-26 1 kit per port necessary
-	-	-	KJB111A	KJB111A	KJB111A	KJB111A	KJB111A
QRM22M29H	KHRQM22M64H	KHRQM22M75H	-	-	-	-	-
KHRQ22M29H	KHRQ22M64H	KHRQ22M75H	-	-	-	-	-

Options & accessories - **VRV** indoor

	Ceiling mounted cassette units					
	Round flow (800x800)	4-way (600x600)	2-way blow			
	FXFQ 20~125A	FXZQ 15~50A	FXCQ 20~40A	FXCQ 50~63A	FXCQ 80 ~125A	
Adapters and control	BRC1E52A/B Premium wired remote control with full-text interface and back-light	✓	✓	✓	✓	✓
	BRC1D52 Standard wired remote control with weekly timer	✓*4	✓*4	✓*4	✓*4	✓*4
	Infrared remote control including receiver	BRC7F532F	BRC7F530W *9*10 (white panel) BRC7F530S *9*10 (grey panel) BRC7E530 *9*10 (standard panel)	BRC7C52	BRC7C52	BRC7C52
	BRC2C51 Simplified wired remote control	-	-	-	-	-
	BRC3A61 Remote control for hotel use	-	-	-	-	-
	DCS302C51 Central remote control	✓	✓	✓	✓	✓
	DCS301B51 Unified ON/OFF control	✓	✓	✓	✓	✓
	DST301B51 Schedule timer	✓	✓	✓	✓	✓
	DCS601C51 Intelligent Touch Manager	✓	✓	✓	✓	✓
	External wired temperature sensor	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-4
	External wireless temperature sensor	K.RSS	K.RSS	K.RSS	K.RSS	K.RSS
	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 for external central monitoring/control (controls 1 entire system)	-	KRP2A52	KRP2A51	KRP2A51	KRP2A51
	Wiring adapter with 4 output signals (Compressor / Error, Fan, Aux. heater, Humidifier output)	EKRP1C11 *2*7	EKRP1B2	EKRP1B2	EKRP1B2	EKRP1B2
	Wiring adapter with 2 output signals (Compressor / Error, Fan output)	KRP1B57 *2*7	KRP1B57	-	-	-
	Adapter for multi-tenant applications (24VAC PCB power supply interface)	DTA114A61	DTA114A61	-	-	-
	External control adapter for outdoor unit	-	-	DTA104A61	DTA104A61	DTA104A61
	Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox)	KRP1H98 *7	KRP1A101	KRP1C96	KRP1C96	KRP1C96
	Connector for forced-off contact	standard	-	standard	standard	standard
	Connection to centralized control	standard	-	-	-	-
Electrical box with earth terminal (2 blocks)	KJB212A	-	KJB212A	KJB212A	KJB212A	
Electrical box with earth terminal (3 blocks)	KJB311A	-	KJB311A	KJB311A	KJB311A	

Others	Decoration panel (obligatory for cassette units, optional for others, rear panel for FXLQ)	BYCQ140D7GW1 (self clean) *5/*6 BYCQ140D7W1W (white) *3 BYCQ140D7W1 (standard)	BYFQ60CW (white panel) BYFQ60CS (grey panel) BYFQ60B2 (standard panel)	BYBCQ40H	BYBCQ63H	BYBCQ125H
	Kit for mounting of decoration panel direct onto unit	-	-	-	-	-
	Panel spacer for reducing required installation height	-	KDBQ44B60 (standard panel)	-	-	-
	Sealing kit for 3-directional or 2-directional air discharge	KDBHQ55B140 *7	BDBHQ44C60 (white & grey panel)	-	-	-
	Fresh air intake kit	KDDQ55B140-1 + KDDQ55B140-2 *7*8	KDDQ44XA60	-	-	-
	Air discharge adapter for round duct	-	-	-	-	-
	Filter chamber for bottom suction	-	-	KDDFP53B50	KDDFP53B80	KDDFP53B160
	Replacement long life filter	KAFP551K160	KAFP441BA60	KAFP531B50	KAFP531B80	KAFP531B160
	Drain pump kit	standard	standard	standard	standard	standard
	Sensor kit	BRYQ140A	BRYQ60AW (white panel) BRYQ60AS (grey panel)	-	-	-
Noise filter (for electromagnetic use only)	-	-	KEK26-1A	KEK26-1A	KEK26-1A	

*2 Installation box is necessary for these adapters

*3 The BYCQ140D7W1W 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 BYCQ140D7W1W 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 BYCQ140D7GW1 the controller BRC1E is needed

*6 The BYCQ140DGW1 is not compatible with Mini VRV, Multi and Split Non-Inverter Outdoor units

*7 Option not available in combination with BYCQ140D7GW1

*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

Corner (1-way blow)		Concealed ceiling units (duct units)					
		Small	Slim	Standard			
FXKQ 25~40	FXKQ 63	FXDQ 20~25 M9	FXDQ 15~63A	FXSQ 20~32	FXSQ 40~50	FXSQ 63~80	FXSQ 100~140
✓	✓	✓	✓	✓	✓	✓	✓
✓*4	✓*4	✓*4	✓*4	✓*4	✓*4	✓*4	✓*4
BRC4C61	BRC4C61	BRC4C62	BRC4C65	BRC4C65	BRC4C65	BRC4C65	BRC4C65
-	-	✓	✓	✓	✓	✓	✓
-	-	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓
KRCS01-1	KRCS01-1	KRCS01-1	KRCS01-4B	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-4
K.RSS	K.RSS	K.RSS	K.RSS	K.RSS	K.RSS	K.RSS	K.RSS
KRP4A51	KRP4A51	KRP4A51	KRP4A54	KRP4A51	KRP4A51	KRP4A51	KRP4A51
KRP2A51	KRP2A51	KRP2A51	KRP2A53	KRP2A61	KRP2A51	KRP2A51	KRP2A51
KRP1B61	KRP1B61	EKRP1B2	KRP1B56	EKRP1B2	EKRP1B2	EKRP1B2	EKRP1B2
-	-	-	-	-	-	-	-
-	-	EKMTAC	DTA114A61	DTA114A61	DTA114A61	DTA114A61	DTA114A61
DTA104A61	DTA104A61	DTA104A61	DTA104A53	DTA104A61	DTA104A61	DTA104A61	DTA104A61
-	-	-	KRP1B101	KRP4A96	KRP4A96	KRP4A96	KRP4A96
Standard	Standard	Standard	-	Standard	Standard	Standard	Standard
Standard	Standard	Standard	-	Standard	Standard	Standard	Standard
-	-	-	KJB212A	-	-	-	-
-	-	-	KJB311A	-	-	-	-

BYK45F	BYK71F	-	-	BYBS32D	BYBS45D	BYBS71D	BYBS125D
-	-	-	-	EKBYBSD	EKBYBSD	EKBYBSD	EKBYBSD
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	KDAJ25K36A	KDAJ25K56	KDAJ25K71	KDAJ25K140
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
Standard	Standard	KDAJ25K56	standard	Standard	Standard	Standard	Standard
-	-	-	-	-	-	-	-
-	-	-	KEK26-1A	-	-	-	-

Options & accessories - **VRV** indoor

		Concealed ceiling units (duct units)				
		High ESP				Large
		FXMQ 20~32	FXMQ 40	FXMQ 50~80	FXMQ 100~125	FXMQ 200~250
Adapters and control	BRC1E52A/B Premium wired remote control with full-text interface and back-light	✓	✓	✓	✓	✓
	BRC1D52 Standard wired remote control with weekly timer	✓*4	✓*4	✓*4	✓*4	✓*4
	Infrared remote control including receiver	BRC4C65	BRC4C65	BRC4C65	BRC4C65	BRC4C65
	BRC2C51 Simplified wired remote control	✓	✓	✓	✓	✓
	BRC3A61 Remote control for hotel use	✓	✓	✓	✓	✓
	DCS302C51 Central remote control	✓	✓	✓	✓	✓
	DCS301B51 Unified ON/OFF control	✓	✓	✓	✓	✓
	DCS601C51 Schedule timer	✓	✓	✓	✓	✓
	DCS301B51 Intelligent Touch Controller	✓	✓	✓	✓	✓
	External wired temperature sensor	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-1
	External wireless temperature sensor	K.RSS	K.RSS	K.RSS	K.RSS	K.RSS
	Wiring adapter for external monitoring/control via dry contacts and setpoint control via 0-140Ω	KRP4A51	KRP4A51	KRP4A51	KRP4A51	KRP4A51
	Wiring adapter for external central monitoring/control (controls 1 entire system)	KRP2A51	KRP2A51	KRP2A51	KRP2A51	KRP2A51
	Wiring adapter with 4 output signals (Compressor / Error, Fan, Aux. heater, Humidifier output)	EKRP1B2	EKRP1B2	EKRP1B2	EKRP1B2	KRP1B61
	Wiring adapter with 2 output signals (Compressor / Error, Fan output)	-	-	-	-	-
	Adapter for multi-tenant applications (24VAC PCB power supply interface)	DTA114A61	DTA114A61	DTA114A61	DTA114A61	-
	External control adapter for outdoor unit	DTA104A61	DTA104A61	DTA104A61	DTA104A61	DTA104A61
	Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox)	KRP4A96	KRP4A96	KRP4A96	KRP4A96	-
	Connector for forced-off contact	Standard	Standard	Standard	Standard	Standard
	Connection to centralized control	Standard	Standard	Standard	Standard	Standard
Electrical box with earth terminal (2 blocks)	-	-	-	-	-	
Electrical box with earth terminal (3 blocks)	-	-	-	-	-	
Others	Decoration panel (obligatory for cassette units, optional for others, rear panel for FXLQ)	BYBS32D	BYBS45D	BYBS71D	BYBS125D	-
	Kit for mounting of decoration panel direct onto unit	EKBYBSD	EKBYBSD	EKBYBSD	EKBYBSD	-
	Panel spacer for reducing required installation height	-	-	-	-	-
	Sealing kit for 3-directional or 2-directional air discharge	-	-	-	-	-
	Decoration panel for air discharge	-	-	-	-	-
	Fresh air intake kit	-	-	-	-	-
	Air discharge adapter for round duct	KDAJ25K36A	KDAJ25K56	KDAJ25K71	KDAJ25K140	-
	Replacement long life filter	-	-	-	-	-
	Drain pump kit	Standard	Standard	Standard	Standard	-
	Sensor kit	-	-	-	-	-
	Noise filter (for electromagnetic use only)	-	-	-	-	-
L-type piping kit (for upward direction)	-	-	-	-	-	

*2 Installation box is necessary for these adapters

*3 The BYCQ140D7W1W 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 BYCQ140D7W1W 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 BYCQ140D7GW1 the controller BRC1E is needed

*6 The BYCQ140DGW1 is not compatible with Mini VRV, Multi and Split Non-Inverter Outdoor units

*7 Option not available in combination with BYCQ140D7GW1

*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

Ceiling suspended units				Wall mounted units	Floor standing units			
1-way blow			4-way blow		Concealed	Free-standing		
FXHQ 32A	FXHQ 63A	FXHQ 71~100A	FXUQ 71~100A	FXAQ 15~63	FXNQ 20~63	FXLQ 20~25	FXLQ 32~40	FXLQ 50~63
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓*4	✓*4	✓*4	✓*4	✓*4	✓*4	✓*4	✓*4	✓*4
BRC7G53	BRC7G53	BRC7G53	BRC7C58	BRC7E618	BRC4C65	BRC4C65	BRC4C65	BRC4C65
-	-	-	-	-	✓	✓	✓	✓
-	-	-	-	-	-	-	-	-
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓
KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-1	KRCS01-1	KRCS01-1	KRCS01-1	KRCS01-1
K.RSS	K.RSS	K.RSS	K.RSS	K.RSS	K.RSS	K.RSS	K.RSS	K.RSS
KRP4A52	KRP4A52	KRP4A52	KRP4A53 *2	KRP4A51	KRP4A51	KRP4A51	KRP4A51	KRP4A51
KRP2A62	KRP2A62	KRP2A62	-	KRP2A51	KRP2A51	KRP2A51	KRP2A51	KRP2A51
-	-	-	-	-	KRP1B61	KRP1B61	KRP1B61	KRP1B61
KRP1B54	KRP1B54	KRP1B54	-	-	-	-	-	-
-	-	-	-	DTA114A61	EKMTAC	EKMTAC	EKMTAC	EKMTAC
DTA104A62	DTA104A62	DTA104A62	-	DTA104A61	-	-	-	-
KRP1D93A	KRP1D93A	KRP1D93A	KRP1B97	KRP4A93	-	-	-	-
EKRORO4	EKRORO4	EKRORO4	EKROROS	Standard	Standard	Standard	Standard	Standard
-	-	-	-	Standard	Standard	Standard	Standard	Standard
KJB212A	KJB212A	KJB212A	KJB212A	-	-	-	-	-
KJB311A	KJB311A	KJB311A	KJB311A	-	-	-	-	-
-	-	-	-	-	-	EKRDP25A	EKRDP40A	EKRDP63A
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	KDBHP49B140	-	-	-	-	-
-	-	-	KDBTP49B140	-	-	-	-	-
KDDQ50A140	KDDQ50A140	KDDQ50A140	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
KAFP501A56	KAFP501A80	KAFP501A160	KAFP551K160	-	-	-	-	-
KDU50P60	KDU50P140	KDU50P140	-	K-KDU572EVE	-	-	-	-
-	-	-	-	-	-	-	-	-
KEK26-1	KEK26-1	KEK26-1	-	-	-	-	-	-
KHFP5M35	KHFP5N63	KHFP5N160	-	-	-	-	-	-

Options & accessories - Ventilation & hot water

		VAM150FA	VAM250FA	VAM350FB	VAM500FB	VAM650FB
Dust filters	EN779 Medium M6	-	-	EKAFV50F6	EKAFV50F6	EKAFV80F6
	EN779 Fine F7	-	-	EKAFV50F7	EKAFV50F7	EKAFV80F7
	EN779 Fine F8	-	-	EKAFV50F8	EKAFV50F8	EKAFV80F8
Silencer	Model name	-	-	-	KDDM24B50	KDDM24B100
	Nominal pipe Diameter (mm)	-	-	-	200	200
CO ₂ sensor		-	-	BRYMA65	BRYMA65	BRYMA65
VH electrical heater for VAM		VH1B	VH2B	VH2B	VH3B	VH3B
Adapter for discharge		-	-	-	KDAJ25K36A	KDAJ25K56

INDIVIDUAL CONTROL SYSTEMS	VAM-FA/FB	VKM-GB(M)
Wired remote control	BRC1E52A/B / BRC1D52	BRC1E52A/B / BRC1D52
VAM wired remote control	BRC301B61	-

CENTRALISED CONTROL SYSTEMS	VAM-FA/FB	VKM-GB(M)
Centralised remote control	DCS302C51	DCS302C51
Unified ON/OFF control	DCS301B51	DCS301B51
Schedule timer	DST301B51	DST301B51

OTHERS	VAM150-250FA	VAM350-2000FB	VKM-GB(M)
Wiring adapter for electrical appendices (note 6)	KRP2A51	KRP2A51 (note 3)	BRP4A50A (note 4/5)
Adapter PCB for humidifier	KRP50-2	BRP4A50A (note 4/5)	BRP4A50A (note 4/5)
Adapter PCB for 3rd party heater	BRP4A50	BRP4A50A (note 4/5)	BRP4A50A (note 4/5)
Remote sensor	-	-	-

Notes

- (1) Cool/heat selector required for operation
- (2) Do not connect the system to DIII-net devices (Intelligent controller, Intelligent Manager, LonWorks interface, BACnet interface...).
- (3) Installation box KRP1BA101 needed.
- (4) Fixing plate EKMPVAM additionally needed for VAM1500-2000FB.
- (5) 3rd party heater and 3rd party humidifier cannot be combined
- (6) For external control and monitoring (ON/OFF control, operation signal, error indication)

VH ELECTRICAL HEATER FOR VAM	
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%)
Run on timer	Adjustable from 1 to 2 minutes (factory set at 1.5 minutes)
Control fuse	20 X5 mm 250 m A
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

VH ELECTRICAL HEATER FOR VAM		VH1B	VH2B	VH3B	VH4B	VH4/AB	VH5B
Capacity	kW	1	1	1	1.5	2.5	2.5
Duct diameter	mm	100	150	200	250	250	350
Connectable VAM		VAM150FA	VAM250FA	VAM500FB	VAM800FB	VAM800FB	VAM1500FB
		-	VAM350FB	VAM650FB	VAM1000FB	VAM1000FB	VAM2000FB

VAM800FB	VAM1000FB	VAM1500FB	VAM2000FB	VKM50GB(M)	VKM80GB(M)	VKM100GB(M)
EKAFV80F6	EKAFV100F6	EKAFV100F6 x2	EKAFV100F6 x2	-	-	-
EKAFV80F7	EKAFV100F7	EKAFV100F7 x2	EKAFV100F7 x2	-	-	-
EKAFV80F8	EKAFV100F8	EKAFV100F8 x2	EKAFV100F8 x2	-	-	-
KDDM24B100 250	KDDM24B100 250	KDDM24B100 x2 250	KDDM24B100 x2 250	-	KDDM24B100 250	KDDM24B100 250
BRYMA100	BRYMA100	BRYMA200	BRYMA200	BRYMA65	BRYMA100	BRYMA200
VH4B / VH4/AB	VH4B / VH4/AB	VHSB	VHSB	-	-	-
KDAJ25K56	KDAJ25K56	-	-	-	-	-

FXMQ-MF	EKEQFCB ²	EKEQDCB ²	EKEQMCB ²
BRC1E52A/B / BRC1D52	BRC1E52A/B / BRC1D52	BRC1E52A/B / BRC1D52 ¹	BRC1E52A/B / BRC1D52 ¹
-	-	-	-

FXMQ-MF	EKEQFCB ²	EKEQDCB ²	EKEQMCB ²
DCS302C51	-	-	-
DCS301B51	-	-	-
DST301B51	-	-	-







FXMQ-MF	EKEQFCB ²	EKEQDCB ²	EKEQMCB ²
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	KRCS01-1

	HXY080-125A	HXHD125A
Drain pan	EKHBDFPCA2	-
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	EKRTRWA	-
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	-	EKSRRPS

*1 pump station is necessary for this option

Options - Chillers

Options - small chillers

Type	Compr.	Refr	Mode	Reference	Products	Integrated Hydraulics								
						Single pump contact	Twin pump contact	Single pump	Twin pump	High ESP pump				
						OPSC	OPTC	OPSP	OPTP	OPHP				
Air Cooled	SWING	R-410A		EWAQ-ADVP	005-006-007				STD					
				EWYQ-ADVP	005-006-007				STD					
	SCROLL	R-410A		EWAQ-ACV3	009-010-011					STD				
				EWAQ-ACW1	009-011-013				STD					
				EWYQ-ACV3	009-010-011				STD					
				EWYQ-ACW1	009-011-013				STD					
		R-410A		EUWAN-KBZW1	5-8-10-12-16-20-24									
				EUWAP-KBZW1	5-8-10-12-16-20-24							Option		
				EUWAB-KBZW1	5-8-10-12-16-20-24								Option	
				EUWYN-KBZW1	5-8-10-12-16-20-24								Option	
	R-410A		EUWYP-KBZW1	5-8-10-12-16-20-24								Option		
			EUWYB-KBZW1	5-8-10-12-16-20-24								Option		
EWAQ-DAYNN			080-100-130-150-180-210-240-260	Option	Option	Option	Option	Option	Option	Option	Option			
EWYQ-DAYNN			080-100-130-150-180-210-240-260	Option	Option	Option	Option	Option	Option	Option	Option			
Water Cooled	SCROLL	R-407C		EWWP-KBW1N	014-022-028-035-045-055-065									
				EWLP-KBW1N	012-020-026-030-040-055-065									
Condenserless chiller	SCROLL	R-407C												

Options - Medium and large chillers (Part 1)

Description	Code	EWAQ-BAW EWYQ-BAW	EWAQ-F-XS EWYQ-F-SS/XS	EWAQ-E-XL/XR EWYQ-F-SL/XR/ XL/XR	EWYQ-F-XS	EWYQ-F-XL	EWYQ-F-XR	EWAD-E-	EWAD-D-SS	EWAD-D-SL	EWAD-D-SR	EWAD-D-SX	EWAD-D-XS	EWAD-D-XR
Total heat recovery	01							Option	Option	Option	Option	Option	Option	Option
Total heat recovery (1 circuit)	02								Option	Option	Option	Option	Option	Option
Partial heat recovery	03		Option	Option	CF	CF	CF	Option	Option	Option	Option	Option	Option	Option
Direct on line starter (DOL)	04		STD	STD	STD	STD	STD							
Wye-Delta compressor starter (Y-D)	05							STD	STD	STD	STD	STD	STD	STD
Soft starter	06							Option	Option	Option	Option	Option	Option	Option
Heat pump version	07													
Heat pump version (including pursuit mode)	07a													
Brine version (down -8°C)	08a (1)													
Brine version (down -10°C)	08b (1)	Option												
Brine version (down -15°C)	08c (1)		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Double setpoint	10		STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
Compressor thermal overload relays	11		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Fans thermal relays	12													
Phase monitor	13		Option	Option	Option	Option	Option	STD	STD	STD	STD	STD	STD	STD
Inverter compressor starter	14								Option (4)	Option (4)	Option (4)	Option (4)	Option (4)	Option (4)
Under / Over voltage control	15		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Energy meter	16		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Capacitors for power factor correction	17		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Auxiliary relay	18													
Current limit	19							Option	Option	Option	Option	Option	Option	Option
Evaporator victaulic kit	20		STD	STD	STD	STD	STD		STD			STD	STD	STD
Evaporator flange kit	21								Option			Option	Option	Option
Evaporator marine waterbox victaulic (2 passes)	22													
Evaporator marine waterbox victaulic (1 pass)	22a													
Evaporator marine waterbox victaulic (3 passes)	23													
Evaporator marine waterbox flanged (2 passes)	24													
Evaporator marine waterbox flanged (1 pass)	24a													
Evaporator marine waterbox flanged (3 passes)	25													
Condenser double flanges kit	26													
Evaporator water side design pressure (10 Bar)	27								STD	STD	STD	STD	STD	STD
Evaporator water side design pressure (16 Bar)	28													
20mm evaporator insulation	29		STD	STD	STD	STD	STD	Option	Option	STD	STD	Option	Option	Option
Axial fans (100 Pa lift)	30													
McQuiet	31													
Axial fans (250 Pa lift)	32		CF							CF	CF	CF	CF	CF
20mm condenser insulation	33													
Fan silent mode	34													
Fans Speed Control Device (Phase Cut)	35													
Condenser victaulic kit	36													
Condenser flange kit	37													
Condenser marine waterbox victaulic (2 passes)	38													
Condenser marine waterbox victaulic (1 pass)	38a													
Condenser marine waterbox victaulic (3 passes)	39													
Condenser marine waterbox flanged (2 passes)	40													
Condenser marine waterbox flanged (1 pass)	40a													
Condenser marine waterbox flanged (3 passes)	41													
Speedtrol (fan speed control device - ON/OFF - up to -18°C)	42		Option	Option				Option	Option	Option	Option		Option	Option
Speedtrol (fan speed control device - ON/OFF - down to -10°C in cooling)	42a				Option	Option								
Condenser coil guards	43		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Evaporator area guards	44		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Cu-Cu condenser coil	45		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Cu-Cu-Sn condenser coil	46		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option

Options - Chillers

Options - Medium and large chillers (Part 2)

Description	Code	EWAQ-BAW EWAQ-BAW	EWAQ-E-XS EWAQ-F-SS/XS	EWAQ-E-XL/XR EWAQ-F-SL/XR/ XL/XR	EWYQ-F-XS	EWYQ-F-XL	EWYQ-F-XR	EWAD-E	EWAD-D-SS	EWAD-D-SL	EWAD-D-SR	EWAD-D-SX	EWAD-D-XS	EWAD-D-XR
Condenser water side design pressure (16 Bar)	47													
Condenser water side design pressure (10 Bar)	47a													
Alucoat fins coil	49		Option	Option	STD	STD	STD	Option	Option	Option	Option	Option	Option	Option
Cu-Ni 90-10 condenser tubes	50													
Condenser 1 pass (ΔT 4-8 °C)	51													
Condenser 2 passes (ΔT 4-8 °C)	52													
Condenser 2 passes (ΔT 9-15 °C)	53													
Condenser 4 passes	54													
Water pressure differential switch on condenser	55													
Water pressure differential switch on evaporator	56									STD	STD			
Evaporator electric heater	57	Option	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
Evaporator flow switch	58		STD	STD	STD	STD	STD	Option	Option	Option	Option	Option	Option	Option
Condenser flow switch	59													
Electronic expansion valve	60		STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
Discharge line shut-off valve	61		Option	Option	Option	Option	Option	Option	STD	STD	STD	STD	STD	STD
Suction line shut-off valve	62		Option	Option	Option	Option	Option	Option	STD	STD	STD	STD	STD	STD
High pressure side manometers	63		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Low pressure side manometers	64		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Ambient outside temperature sensor and setpoint reset	67		STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
Hour run meter	68		STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
General fault contactor	69		STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
Container Kit	71		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Rubber anti vibration mounts	75		Option	Option	Option	Option	Option	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	Option	Option	Option	Option	Option
One centrifugal pump (low lift)	78	Option						Option						
One centrifugal pump --- SPK1	78-a		Option	Option	Option	Option	Option			Option	Option			
One centrifugal pump --- SPK2	78-b		Option	Option	Option	Option	Option			Option	Option			
One centrifugal pump --- SPK3	78-c		Option	Option	Option	Option	Option			Option	Option			
One centrifugal pump --- SPK4	78-d		Option	Option	Option	Option	Option			Option	Option			
One centrifugal pump --- SPK5	78-e													
One centrifugal pump --- SPK6	78-f								Option				Option	Option
One centrifugal pump --- SPK7	78-g								Option				Option	Option
One centrifugal pump --- SPK8	78-h								Option				Option	Option
One centrifugal pump --- SPK9	78-i												Option	Option
One centrifugal pump --- SPK10	78-j												Option	Option
One centrifugal pump --- SPK1a	78-l				Option	Option	Option							
One centrifugal pump --- SPK1b	78-m				Option	Option	Option							
One centrifugal pump --- SPK1c	78-n				Option	Option	Option							
One centrifugal pump (high lift)	79	Option						Option						
Two centrifugal pump (low lift)	80													
Two centrifugal pump --- DPK1	80-a									Option	Option			
Two centrifugal pump --- DPK2	80-b									Option	Option			
Two centrifugal pump --- DPK3	80-c									Option	Option			
Two centrifugal pump --- DPK4	80-d									Option	Option			
Two centrifugal pump --- DPK5	80-e												Option	Option
Two centrifugal pump --- DPK6	80-f								Option				Option	Option
Two centrifugal pump --- DPK7	80-g								Option				Option	Option
Two centrifugal pump --- DPK8	80-h								Option				Option	Option
Two centrifugal pump (high lift)	81													
Witness test	82													
External tank without cabinet (500 L)	83 (3)		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
External tank without cabinet (1000 L)	84 (3)		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
External Tank (500 L) With CABINET RAL 7042	85													
External Tank (1000 L) With CABINET RAL 7042	86													
External tank with cabinet (500 L)	87 (3)		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
External tank with cabinet (1000 L)	88 (3)		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Acoustic test	89													
Setpoint reset, Demand limit and Alarm from external device	90		Option	Option	Option	Option	Option	Option	STD	STD	STD	STD	STD	STD
Double pressure relief valve with diverter	91		Option	Option	Option	Option	Option	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	Option	Option	Option	Option	Option
Fans circuit breakers	96		Option	Option	Option	Option	Option	STD	STD	STD	STD	STD	STD	STD
Main switch interlock door	97		STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
Emergency stop	98													
Fans speed regulation (+ fan silent mode)	99 (2)		Option	Option				Option	Option	Option	Option	STD	Option	Option
Fans speed regulation (inverter)	99a (2)				Option	Option	STD							
Refrigerant recovery unit	100													
Evaporator right water connections	101									SO	SO	SO	SO	SO
Ground fault relay	102		Option	Option	Option	Option	Option							
Evaporator 1 pass	103													
Evaporator 2 passes	103a													
Evaporator double flange kit	104													
Liquid receiver	105													
Evaporator right water connections	106													
Rapid restart	110													
High temperature kit	111													
Transport kit	112		Option	Option	Option	Option		Option	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		STD	STD	STD	STD	STD							
Condenser coil protection panels	116		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option
Blygold coil treatment	117		Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option	Option

(1) Option 08 includes option 29 - (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 soft starter 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: EWWDC121-SS - EWWDC181-SS

Accessories - Chillers

	Air cooled chillers									
	EWA/YQ009-011ACV3 EWA/YQ009-013ACW1	EUWA/Y*-KBZW1	EWA/YQ~BA*	EWA/YQ-DAYN	EWAD-E- ERAD-E	EWAD~D-	EWA(Y)D~BZ	EWAD~C-	EWAD~CZ	
Panels										
EKDSSP							•			
EKDSSP-S***					•	•		•	•	
EKDDSP					•	•	•	•	•	
EKPWPRO							•			
EKPWPROM							•			
Serial Cards & Comm. Modules										
EKAC10C		•								
EKACPG				•						
EKAC200J							•			
EKACBAC							•			
EKACLON							•			
EKACLONP							•			
EKACRS232							•			
EKACWEB							•			
EKACBACMSTP							•			
EKACBACCERT										
EKCM200J					•	•		•	•	
EKMLON					•	•		•	•	
EKCMBACMSTP					•	•		•	•	
EKCMBACIP					•	•		•	•	
LON Gateway										
EKLONPG										
Other Systems & Accessories										
EKCLWS										
EKCON							•			
EKCONUSB							•			
EKMODEM							•			
EKGSMOD							•			
EKRP1HB	•									
EKRUPCJ							•			
EKRUPCK										
EKRUPCS					•	•		•	•	
EKPV2J							•			
EKPWPPOEXT							•			
EKGWWEB							•			
EKGWMODEM							•			
EKBNPG										
EKBMSBNA										
EKBMSMBA										
EKRUMCA		•								
EKRUPC										
EKRUPG				•						
EHMC*										
EKRP1AHT			•							
DTA104A62			•							
EKRUHTB			•							
Gauges										
EKGAU5/8KA		• (5-8)								
EKGAU10/12KA		• (10-12)								
EKGAU16KA		• (16)								
EKGAU20/24KA		• (20-24)								
BHGP26A1			•							
Soft starter										
EKSS		•								
Buffer tank										
EKBT		•								
Waterpipe kit										
EKGN210				• (080-210)						
EKGN260				• (EWAQ240-260DAYN & EWYQ230-250DAYN)						

* To install EKRUMCA => EKAC10C needs to be installed on the unit.

* EKAC10C allows direct connection to MODBUS BMS system

* To install EKLONPG & EKBNPG => EKACPG needs to be installed on the unit.

Accessories - Fan coil units

Network & control systems	FWM-D / FWL-D / FWV-D										FWS-A / FWR-A / FWZ-A			
	1	15	2	25	3	35	4	6	8	10	2	3	6	8
Wired remote control (Standard)					FWEC1A									-
Wired remote control (Advanced)					FWEC2A									-
Wired remote control (Advanced Plus)					FWEC3A								FWEC3A	
Controller electromechanical					ECFWMB6									-
On board mounting kit					FWECKA								FWECKA	
Wall mounting kit					FWFCKA								FWFCKA	
Wired remote control (Cooling only)					-									-
Wired remote control (Heat pump)					-									-
Wireless controller (Cooling only)					-									-
Wireless controller (Heat pump)					-									-
Temperature sensor kit					FWTSKA								FWTSKA	
Relative humidity sensor kit					FWHSKA								FWHSKA	
Fan stop thermostat					YFSTA6									-
Master slave interface					EPIMSB6									-
Power interface					-									-
Optional PCB for MOD-bus connection					-									-

Valves	FWM-D / FWL-D / FWV-D										FWS-A / FWR-A / FWZ-A					
	1	15	2	25	3	35	4	6	8	10	2	3	6	8		
3-ways 230V on/off valve kit (2-pipe)			E2MV03A6				E2MV06A6		E2MV10A6		E2MV03A6		E2MV10A6			
3-ways 230V on/off valve kit (4-pipe)			E1MV03A6				E4MV06A6		E4MV10A6		E4MV03A6		E4MV10A6			
2-ways 230V on/off valve kit (cooling heat exchanger)			E2MV2B07A6						E2MV2B10A6		E2MV2B07A6		E2MV2B10A6			
2-ways 230V on/off valve kit (additional heat exchanger)			E2MV2B07A6										E2MV2B07A6			
Simplified 3-ways 230V on/off valve kit (2-pipe)			E2MVD03A6				E2MVD06A6		E2MVD10A6		E2MVD03A6		E2MVD06A6	E2MVD10A6		
Simplified 3-ways 230V on/off valve kit (4-pipe)			E4MVD03A6				E4MVD06A6		E4MVD10A6		E4MVD03A6		E4MVD06A6	E4MVD10A6		
3-ways 24V on/off valve kit (2-pipe)			E2M2V03A6				E2M2V06A6		E2M2V10A6		E2M2V03A6		E2M2V06A6	E2M2V10A6		
3-ways 24V on/off valve kit (4-pipe)			E4M2V03A6				E4M2V06A6		E4M2V10A6		E4M2V03A6		E4M2V06A6	E4M2V10A6		
3-ways proportional valve kit (2-pipe)			E2MPV03A6				E2MPV06A6		E2MPV10A6							
3-ways proportional valve kit (4-pipe)			E4MPV03A6				E4MPV06A6		E4MPV10A6							
2-ways 24V on/off valve kit (cooling heat exchanger)			E2M2V207A6						E2M2V210A6		E2M2V207A6		E2M2V210A6			
2-ways 24V on/off valve kit (additional heat exchanger)			E2M2V207A6										E2M2V207A6			
2-ways proportional valve kit (cooling heat exchanger)			E2MPV207A6						E2MPV210A6							
2-ways proportional valve kit (additional heat exchanger)			E2MPV207A6													
3-ways 230V on/off valve kit (additional heat exchanger)																
2-ways 230V on/off valve kit (2-pipe)																
2-ways 230V on/off valve kit (4-pipe)																

FWF~C	
Panels	All sizes
Decoration panel 600x600 (2-pipe)	DCP600TB
Decoration panel 4-way blow	-
Decoration panel round flow cassette standard	-

FWD-A							FWB-B			FWP-A		FWE~C	FWT~C	FWC~B	FWF~C	FWF~B
4	6	8	10	12	16	18	2-4	5-7	8-10	2-4	5-7	All sizes	All sizes	All sizes	All sizes	All sizes
			FWEC1A					FWEC1A		-		FWEC1A	MERCA	BRC31SD	MERCA	BRC31SD
			FWEC2A					FWEC2A		-		FWEC2A	-	-	-	-
			FWEC3A					FWEC3A		FWEC3A		FWEC3A	-	-	-	-
			-					-		-		-	-	-	-	-
			-					-		-		-	-	-	-	-
			FWFCKA					FWFCKA		FWFCKA		FWFCKA	-	-	-	-
			-					-		-		-	SRC-COB	-	SRC-COB	-
			-					-		-		-	SRC-HPB	-	SRC-HPB	-
			-					-		-		-	-	-	-	-
			-					-		-		-	WRC-HPC	-	-	-
			FWTSKA					FWTSKA		FWTSKA		FWTSKA	-	-	-	-
			FWHSKA					FWHSKA		FWHSKA		FWHSKA	-	-	-	-
			YFSTA6					YFSTA6		-		-	-	-	-	-
			EPIMSB6					EPIMSB6		-		EPIMSB6	-	-	-	-
			-			EPIB6		-		-		-	-	-	-	-
			-			-		-		-		-	-	EKFCMBCB	-	EKFCMBCB

FWD-A							FWB-B			FWP-A		FWE~C	FWC~B	FWF~C	FWF~B
4	6	8	10	12	16	18	2-4	5-7	8-10	2-4	5-7	All sizes	All sizes	All sizes	All sizes
ED2MV04A6		ED2MV10A6		ED2MV12A6		ED2MV18A6		-			-	EK2MV3B10C5	EKMV3C09B	MCKCW2T3VN	EKMV3C09B
ED2MV04A6		ED2MV10A6		2x ED2MV12A6		2x ED2MV18A6		-			-	EK4MV3B10C5	2 x EKMV3C09B	-	2 x EKMV3C09B
								-			-	-	-	-	-
							E2MV207A6		E2MV210A6		E2MV207A6	-	-	-	-
							-				-	-	-	-	-
							-				-	-	-	-	-
							-				-	-	-	-	-
							-				-	-	-	-	-
							-				-	-	-	-	-
							-				-	-	-	-	-
							-				-	-	-	-	-
							E2MV307A6		E2MV310A6		E2MV307A6	-	-	-	-
							-				-	EK2MV2B10C5	EKMV2C09B	-	EKMV2C09B
							-				-	EK4MV2B10C5	2 x EKMV2C09B	-	2 x EKMV2C09B

Accessories - Fan coil units and air handling units

Other accessories	FWM-D / FWL-D / FWV-D										FWS-A / FWR-A / FWZ-A			
	1	15	2	25	3	35	4	6	8	10	2	3	6	8
Electric heater (Standard)	EEH01A6	EEH02A6	EEH03A6	EEH06A6	EEH10A6	EEH02A6	EEH03A6	EEH06A6	EEH10A6	EEH02A6	EEH03A6	EEH06A6	EEH10A6	
Electric heater (Big)	-										-			
Fresh air intake	EFA02A6	EFA03A6	EFA06A6	EFA10A6	EFA02A6	EFA03A6	EFA06A6	EFA10A6	EFA02A6	EFA03A6	EFA06A6	EFA10A6		
Additional heat exchanger	ESRH02A6	ESRH03A6	ESRH06A6	ESRH10A6	ESRH02A6	ESRH03A6	ESRH06A6	ESRH10A6	ESRH02A6	ESRH03A6	ESRH06A6	ESRH10A6		
Air intake & discharge grille	EAIDF02A6	EAIDF03A6	EAIDF06A6	EAIDF10A6	EAIDF02A6	EAIDF03A6	EAIDF06A6	EAIDF10A6	EAIDF02A6	EAIDF03A6	EAIDF06A6	EAIDF10A6		
Rear panel	ERP02A6	ERP03A6	ERP06A6	ERP10A6	ERP02A6	ERP03A6	ERP06A6	ERP10A6	ERP02A6	ERP03A6	ERP06A6	ERP10A6		
Supporting feet	ESFV06A6					ESFV10A6			ESFV06A6			ESFV10A6		
Supporting feet & grille	ESFVG02A6	ESFVG03A6	ESFVG06A6	ESFVG10A6	ESFVG02A6	ESFVG03A6	ESFVG06A6	ESFVG10A6	ESFVG02A6	ESFVG03A6	ESFVG06A6	ESFVG10A6		
Plenum box with circular connections	EPCC02A6 (only for FWM-D)	EPCC03A6 (only for FWM-D)	EPCC06A6 (only for FWM-D)	EPCC10A6 (only for FWM-D)	EPCC02A6 (only for FWS-A)	EPCC03A6 (only for FWS-A)	EPCC06A6 (only for FWS-A)	EPCC10A6 (only for FWS-A)	EPCC02A6 (only for FWS-A)	EPCC03A6 (only for FWS-A)	EPCC06A6 (only for FWS-A)	EPCC10A6 (only for FWS-A)		
Vertical auxiliary drainpan	EDPVB6								EDPVB6					
Horizontal auxiliary drainpan	EDPHB6								EDPHB6					

Mechanical options	FWC-BT/BF	FWF-BT/BF
Decoration Panel - Standard (Round flow)	BYCQ140CW1	-
Decoration Panel - White (Round flow)	BYCQ140CW1W	-
Decoration Panel (4-way blow)	-	BYFQ60B
Sealing member of air discharge outlet	KDBHQ55C140	KDBH44BA60
Long-life filter	KAFP551K160	KAFQ441BA60
Fresh air intake kit (20% fresh air) (Direct installation)	KDDQ55C140	-
Fresh air intake kit (Direct installation)	-	KDDQ44XA60
Panel spacer	KDBQ44B60	-

Control options	FWF-BT/BF	FWC-BT/BF
Infrared remote control (H/P)	BRC7E530	BRC7F532F
Infrared remote control (C/O)	BRC7E531	BRC7F533F
Remote sensor	KRCS01-1	KRCS01-4
Remote ON / OFF	EKROROA	-

Control options	FWF-BT/BF- FWC-BT/BF
Remote control wired	BRC315D7
Central remote control	DCS302CA51
Intelligent touch controller	DCS601C51C
Unified ON/OFF controller	DCS301BA51
Electrical installation box with earth terminal (2 blocks)	KJB212A
Electrical installation box with earth terminal (3 blocks)	KJB311A
Electrical installation box	KJB411A
Schedule timer	DST301BA51
Wiring adapter for electrical appendices	KRP4AA53
Wiring adapter for electrical appendices	KRP2A52
Noise filter (for electromagnetic interface use only)	KEK26-1A
Installation box for adaptor PCB	KRP1BA101
Installation box for adaptor PCB	KRP1H98
Optional PCB for MOD-bus connection	EKFCMBCB7
2-way valve - On / Off	EKMV2C09B7
3-way valve - On / Off	EKMV3C09B7
Valve control PCB	EKRP1C11

FWD-A						FWB-B			FWP~A		
4	6	8	10	12	16	18	2-4	5-7	8-10	2-4	5-7
EDEH04A6	EDEHS06A6	EDEHS10A6		EDEHS12A6	EDEHS18A6		Factory mounted			Factory mounted	
EDEH04A6	EDEHB06A6	EDEHB10A6		EDEHB12A6	EDEHB18A6		-			-	
EDMFA04A6	EDMFA06A6	EDMFA10A6		EDMFA12A6	EDMFA18A6		-			-	
-						EAH04A6	EAH07A6	EAH10A6	EAH04A6	EAH07A6	
-						-			-		
-						-			-		
-						-			-		
-						-			-		
-						-			-		
EDDPV10A6 17				EDDPV18A6 17		-			-		
EDDPH10A6 21				EDDPH18A6 21		-			-		

D-AHU PROFESSIONAL

Construction type		SP 65	SP 45	FP 50	FP 25
Profile	Aluminium	standard	standard	standard	standard
	Anodized aluminium	option	option	option	option
	Aluminium with thermal break	option	option	option	option
	Anodized aluminium with thermal break	option	option	option	option
Corner	Glass fibre reinforced nylon	standard	standard	standard	standard
Panel insulation	Polyurethane foam density 45 kg/m ³ thermal conductivity 0.020 W/m ² K fire reaction class 1	standard	standard	standard	standard
	Mineral wool density 90 kg/m ³ thermal conductivity 0.037 W/m ² K (referred to 20°C) fire reaction class 0	option	option	option	option
External sheet material	Grey Plastisol covered galvanized steel	standard	standard	standard	standard
	Pre-coated galvanized steel	option	option	option	option
	Galvanized steel	option	option	option	option
	Aluminium	option	option	option	option
	AISI 304 stainless steel	option	option	option	option
Internal sheet material	Galvanized steel	standard	standard	standard	standard
	Pre-coated galvanized steel	option	option	option	option
	Grey Plastisol covered galvanized steel	option	option	option	option
	Aluminium	option	option	option	option
Base frame	AISI 304 stainless steel	option	option	option	option
	Aluminium	standard (from size 1 to size 17)	standard (from size 1 to size 17)	standard (from size 1 to size 17)	standard (from size 1 to size 17)
	Galvanized steel	standard (from size 18 to size 27)	standard (from size 18 to size 27)	standard (from size 18 to size 27)	standard (from size 18 to size 27)
Handle	Glass fibre reinforced nylon	standard	standard	standard	standard
	Compression type	standard	standard	standard	standard
Type	Hinge function type (possibility to remove door)	option	option	option	option

D-AHU EASY

Construction type		DS 50	DS 25
Profile	Aluminium	Standard	Standard
Corner	Glass fibre reinforced nylon	Standard	Standard
Panel insulation	Polyurethane foam thermal conductivity 0.024 W/m ² K	Standard (density 45 kg/m ³)	standard (density 47 kg/m ³)
External sheet material	Pre-coated galvanized steel (RAL 9002)	Standard	Standard
Internal sheet material	Galvanized steel	Standard	Standard
Base frame	Aluminium	Standard	Standard
Handle	Glass fibre reinforced nylon	Standard	Standard
Type	Compression type	Standard	Standard

Options - Refrigeration


	LRYEQ16AY1	LREQ5BY1	LREQ6BY1	LREQ8BY1	LREQ10BY1	LREQ12BY1	LREQ15BY1	LREQ20BY1	LREQ15BY1R	LREQ20BY1R
Digital pressure gauge kit	BHGP26A1									
Pressure gauge kit	-					KHGP26B140				-
Snowbreak hood	Kit (Inlet + Outlet)	KPS26C504	KPS26C160			KPS26C280		KPS26C504		-
	Air outlet	KPS26C504T	KPS26C160T			KPS26C280T		KPS26C504T		-
	Left side air inlet	KPS26C504L				KPS26C504L				-
	Right side air inlet	KPS26C504R				KPS26C504R				-
	Back side air inlet	KPS26C504B	KPS26C160B			KPS26C280B		KPS26C504B		-
Central drain pan kit	KWC26C450	KWC26C160			KPS26C280		KPS26C450		KPS26C450*	
Communication box	BRR9AV1				BRR9AV1				BRR9A1V1**	
Booster unit	-				LCBKQ3AV19				-	
Suction branch pipe for multi	-				-					EKHRQ7M7 ***

* required for each module

** software update required (to be executed during commissioning)

*** obligatory

Options - Control systems

		DCM601A51	DMS504B51	DMS502A51
			LonWorks Interface	BACnet Interface
iTM plus adapter		DCM601A52		
iTM integrator		DCM601A53		
iTM ppd software		DCM002A51		
iTM energy navigator software		DCM008A51		
WAGO I/O	Modbus communication unit	WGDCMCPLR		
	DC24V power supply unit:	787-712		
	DC24V power supply unit:	750-613		
	Connector:	750-960		
	Terminator module:	750-600		
	Di module:	750-400, 750-432		
	Do module:	750-513/000-001		
	Ai module:	750-454, 750-479		
	Thermistor module:	750-461/020-000		
Interface adapter for connection to RA units			KRP928A2S	KRP928A2S
Interface adapter for connection to R-407C/R-22 Sky Air units			DTA102A52	DTA102A52
Interface adapter for connection to R-410A Sky Air units			DTA112B51	DTA112B51
DIII board				DAM411B51
Digital input/output				DAM412B51

Options - Heating

Daikin Altherma hybrid heat pump	
Remote user interface (DE, FR, NL, IT)	EKRUCBL1
Remote user interface (EN, SV, NO, FI)	EKRUCBL2
Remote user interface (EN, ES, EL, PT)	EKRUCBL3
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
Propane set	EKHY075787
Concentric connection Ø 80/125	EKHY090717
Eccentric connection Ø 80	EKHY090707
Cover plate 35	EKHY093467
Installation jig	EKHVMNT1
Drain pan for reversible H/B	EKHYDP1
Thermistor recirculator	EKTH2
Roof Terminal PP/GLV 60/100 AR460	EKFGP6837
Weather Slate Steep Pb/GLV 60/100 18°-22°	EKFGS0518
Weather Slate Steep Pb/GLV 60/100 23°-27°	EKFGS0519
Weather Slate Steep Pf 60/100 25°-45°	EKFGP7910
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 Flat Alu 60/100 0°-15°	EKFGP1296
Weather Slate Flat Alu 60/100	EKFGP6940
Wall Terminal Kit PP/GLV 60/100	EKFGP2978
Wall Terminal Kit low profile PP/GLV 60/100	EKFGP2977
Extension PP/GLV 60/100 x 500mm	EKFGP4651
Extension PP/GLV 60/100 x 1000mm	EKFGP4652
Elbow PP/GLV 60/100 30°	EKFGP4664
Elbow PP/GLV 60/100 45°	EKFGP4661
Elbow PP/GLV 60/100 90°	EKFGP4660
Meas. Tee with Inspection Panel PP/GLV 60/100	EKFGP4667
Wall Bracket Dn.100	EKFGP4631
Wall Terminal Kit PP/GLV 60/100	EKFGP1292
Wall Terminal Kit low profile PP/GLV 60/100	EKFGP1293
Plume Management Kit 60 UK Only	EKFGP1294
Flue Deflector 60 UK Only	EKFGP1295
PMK Elbow 60 90 UK Only	EKFGP1284
PMK Elbow 60 45° (2 pcs) UK Only	EKFGP1285
PMK Extension 60 L=1000 incl. breaket UK Only	EKFGP1286

Daikin Altherma low temperature split	4-8 kW	11-16 kW
Drain pan for outdoor (excl heater)	EKDP008CA	
Drain pan heater	EKDPH008CA	
U-beams for outdoor	EKFT008CA	
Remote sensor for outdoor		EKRSCA1
User interface (EN, DE, FR, NL, IT, ES)		EKRUCAL1
User interface (EN, SV, NO, CS, TR, PT)		EKRUCAL2
Indoor drain pan for new wall mounted H/B	EKHBDPCA2	
PC cable	EKPCCAB1	
Digital I/O PCB		EKRP1HBAA
Bottom plate heater		EKBPHTH16A
Drain kit		EKDK04
Snowcover		EK016SNCA
Demand PCB		EKRP1AHTA
Remote indoor sensor		KRCS01-1B
Drain pan for indoor wall munted		EKHBDPCA2
Booster heater for tank integrated design		EKBSHCA3V3

Daikin Altherma low temperature monobloc	6-8 kW	11-16 kW
Back up heater	EKBUHBA6V3	
Cable	EKCOMCAB1	
Digital I/O PCB		EKRP1HBAA
Bottom plate heater		EKBPHTH16A
Drain kit		EKDK04

Daikin Altherma Flex Type options for outdoor unit	EKHVMRD	EKHVMYD
Refnet header	KHRQ(M)22M29H8	KHRQ(M)23M29H8
Refnet header	KHRQ(M)22M64H8	KHRQ(M)23M64H8
Refnet joint	KHRQ(M)22M20T8	KHRQ(M)23M20T8
Refnet joint	KHRQ(M)22M29T8	KHRQ(M)23M29T8
Refnet joint	KHRQ(M)22M64T8	KHRQ(M)23M64T8
central drain pan kit	KWC25C450	KWC25C450

options for indoor unit	
Stand alone kit	EKFMAHTB
I/O PCB	EKRP1HBAA
Demand PCB	EKRP1AHTA
Remote user interface	EKRUAHTB
Individual billing - connection kit	EKMBIL1
Back up heater kit	EKBUHAA6V3
Back up heater kit	EKBUHAA6W1

Daikin Altherma high temperature split	
Bottom plate heater	EKBPHTH16A
Digital I/O PCB	EKRP1HBAA
Demand PCB	EKRP1AHTA
Remote user interface	EKRUAHTB
Back up heater for HT	EKBUHAA6V3
Back up heater for HT	EKBUHAA6W1
Refrigerant stop valves	EKRSVHTA
UK tank kit	EKUHWHTA
Compatibility kit 1	EKMKHT1A
Compatibility kit 2	EKMKHT2A

Tanks	EKHWS	EKHWP	EKHTS
Wall bracket	EKWBSWW150		
Connection kit EKHWP300 for low temperature (heating only / heating and cooling)		EKDVCPLT3HX	
Connection kit EKHWP500 for low temperature (heating only)		EKDVCPLT5H	
Connection kit EKHWP500 for low temperature (heating and cooling)		EKDVCPLT5X	
Connection kit for high temperature and VRV indoor HXHD125 (EKHWP300/EKHWP500)		EKEPHT3H / EKEPHT5H	
Connection kit for Daikin Altherma Flex Type (heating only)		EKEPHT3H	
Connection kit for Daikin Altherma Flex Type (heating and cooling)		EKEPHT3H + 156034	
3 way valve		3-W-UV2	
Booster heater with melting fuse (900mm)		EKBH3S	
Option kit (EKHTS / EKHTSU)			EKFMALTA / EKUHWHTA

Heat pump convector	
Valve kit	EKVKHPC

Solar collectors	
Mounting kit on roof (antracite)	EKSRCAP
Mounting kit on roof (red)	EKSRCRP
Mounting kit on roof (excl. Roof tile)	EKSRCP
Gravity brake	16 50 70
Flow sensor	FLS12
Flow regulating valve with flow rate indicator	FLG
Connection set for additional heat source	EWS
Hot water recirculation kit	ZKL
Thermostatic antiscald mixing valve + 1" screw connection set	VTA32 + 156016
Solar Expansion vessel 12l	MAGS12
Solar Expansion vessel 25l	MAGS25
Solar Expansion vessel 35l	MAGS35
Pressureless Connection piping between solar panel & pump station: 15 meter	CON 15
Pressureless Connection piping between solar panel & pump station: 20 meter	CON 20
Unpressurised elongation pipe 2.5 m including couplings	CON X 25
Unpressurised elongation pipe 5 m including couplings	CON X 50
Unpressurised elongation pipe 10 m including couplings	CON X 100
Unpressurised elongation for inlet pipe 8 meter	CON XV 80
Pressure solar pipe DN16 - 15m	CON15P16
Connectors DN16	CONXP16
Pressure solar pipe DN20 - 15m	CON15P20
Connectors DN20	CONXP20
Connectors DN20	CON CP16
Connectors DN20	CON CP20
Mounting kit IN-ROOF	RCIP
Mounting kit FLAT ROOF	RCFP
Additional roof breakthrough for opposite side connection	CON FE
Connection kit between 2 solar panels	FIX VBP
Connection kit between 2 rows of Collectors	CON RVP
Connection kit between 2 rows of Collectors	CON LCP
Mounting support for V26P	FIX MP 130
Mounting support for H26P	FIX MP 200
Mounting support for V21P	FIX MP 100
Supporting shell for pressureless connection pipe	TS
Standard mounting set for on-roof mounting suitable for roof tiles	FIX AD
Variable height mounting set for on-roof mounting suitable for roof tiles	FIX ADP
Mounting set for on-roof mounting	FIX ADD
Mounting set for on-roof mounting suitable for flat tiles e.g. shingles	FIX ADS
Mounting set for on-roof mounting suitable for corrugated plates	FIX - WD
Mounting set for on-roof mounting suitable for metal roofs	FIX BD
Basic IN ROOF installation kit for 2 EKSV21P	IBV21P
Extension IN ROOF installation kit for 1 additional EKSV21P	IEV21P
Basic IN ROOF installation kit for 2 EKSV26P	IBV26P
Extension IN ROOF installation kit for 1 additional EKSV26P	IEV26P
IN ROOF covering slate complementing kit	FIX-IES
Basic FLAT ROOF support frame for 2 EKSV26P	FB V26P
Extension FLAT ROOF support frame for additional EKSV26P	FE V26P
Basic FLAT ROOF support frame for 1 EKSH26P	FB H26P
Extension FLAT ROOF support frame for additional EKSH26P	FE H26P
Release tool	FIX LP
Glycol fluid 20 l	GFL

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.

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

APPLIED SYSTEMS

Air cooled	Cooling only	Evaporator: 12°C/7°C	Ambient: 35°CDB
	Heat pump	Evaporator: 12°C/7°C	Ambient: 35°C
Water cooled	Cooling only	Condenser: 40°C/45°C	Ambient: 7°CDB/6°CWB
		Evaporator: 12°C/7°C	
	Heating only	Condenser: 30°C/35°C	
		Evaporator: 12°C/7°C	
Condenserless chiller		Condenser: 40°C/45°C	
		Evaporator: 12°C/7°C	
Fan coil units		Condensing temperature: 45°C / liquid temperature: 40°C	
	Cooling	Room temperature: 27°CDB / 19°CWB	
		Water inlet/outlet temperature: 7°C/12°C	
	Heating	Room temperature: 20°C	
		2 pipe: Water inlet temperature: 50°C (same water flow as in cooling mode)	
4 pipe: Water inlet/outlet temperature: 70°C/60°C			

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.

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Daikin Altherma hybrid heat pump

The natural combination

Up to 35% efficiency increase compared to condensing boiler

Gas condensing boiler of 33 kW

Most economical mode to operate

Hybrid technology

Heating and domestic hot water

COP in heat pump operation: 5.04



Heat pump and gas condensing boiler in one, the best of two technologies!

Find out more on www.daikin.eu

The Daikin Altherma hybrid heat pump is the ideal solution for the replacement of a gas boiler. 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, always selecting the most economical mode to operate.



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