DAIKIN UK PRODUCT CATALOGUE

1ST FEBRUARY 2009



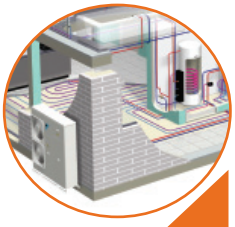



www.daikin.co.uk

NEW FOR 2009

ALTHERMA MONOBLOC

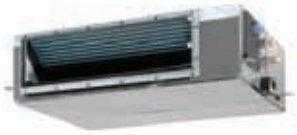
- Hydraulic parts encased in outdoor unit.
- H2O piping between outdoor/ indoor heating appliances
- Connectable to underfloor heating, low temp radiators and fan coils.
- Freeze protection of hydraulic parts



PAGE 14

FBQ-C / FXSQ-P

- DC ducted with inverter driven fan
- Reduction of power consumption
- Automatic air flow adjustment
- Improved comfort with 3-step air flow



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FCQH-D

- High COP Roundflow Cassette
- Increased COP/EER
- All Roundflow cassettes now available with white louvers

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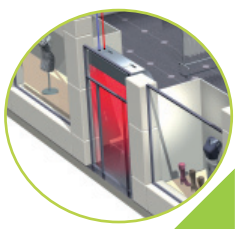
Air Curtains for Sky Air

- Connects to Super Inverter
- Rectifier technology with European Patent
- Payback time of less than 2.5 years



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CMSQ-A + FMDQ-B - FMCQ-A

- Multi system for light commercial applications
- Indoors: asymmetric combination and individually controlled
- 2-storey application possible
- Maximum piping length up to 165m.

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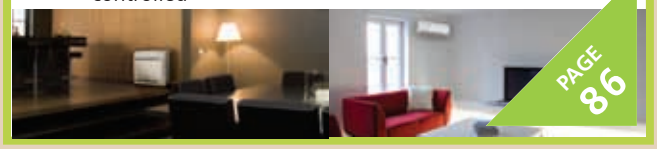
Ururu Multi

- Maintains comfortable humidity level without separate water supply
- Fresh air supply
- Two indoor units connectible and individually controlled



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REYHQ-P

- VRV®III Inverter Heat Recovery High COP combination
- Top energy efficiency - redesigned 8HP modular unit and new 12HP high COP modular unit.
- Continuous heating (higher integrated heating capacity)

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RWEYQ-P(R)

- Water-Cooled VRV®III
- New 8HP unit: 9 combination possibilities upto 30HP
- Wide range of connectable indoor units
- Improved comfort with new BS-box
- Geothermal application possible

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Air Curtains for VRV

- Connects to entire VRV®III range
- Constant Air Velocity technology with European Patent
- Rectifier technology with European Patent

PAGE 150

Air Handling Units

- 5 air flow volumes - 1750 m^3/hr to 9000 $m/^3$hr all capable of 250 pa external static.
- 3 distinct groups all available in both Internally mounted plant room and externally mounted weather-proofed types.

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EWAQ-AC / EWYQ-AC

- Extended Mini-Chiller range
- Extended flexibility with 1 and 3 phase models
- Increased efficiency with top ESEER at part load conditions
- Reduced sound pressure levels
- Inverter technology

PAGE 186

Water-cooled condenserless screw chillers

- Cooling range: 161-526kW
- DX shell & tube evaporator - one pass refrigerant side
- Optimised for use with R-134a refrigerant
- Electronic expansion device as standard

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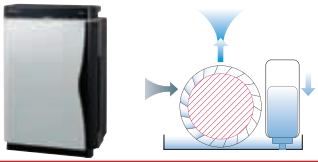
Ururu Air Purifier

- Humidification and air purification in one
- Deodorising function thanks to the flash streamer technology
- Low noise level ideal for use at night



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FOREWORD

DAIKIN – the leader in manufacturing quality and customer service

Daikin was founded in 1924 in Osaka, Japan. The company we now know as Daikin Industries Ltd (DIL) is the parent company of Daikin Europe N.V. (DENV) which was established in Ostend, Belgium in 1972.

Daikin Europe is continuously updating and expanding its manufacturing facilities, to a point where they are now acknowledged as the most advanced in their field in Europe. This is backed by zero defect production, efficient supply chain management and unrivalled research and development support from DIL.

These substantial production facilities are underpinned by a network of wholly owned affiliate companies in the UK, France, Germany, Italy, Spain, Portugal, Poland, Greece, Belgium, Holland and Central Europe. There are also numerous independent distributors throughout Europe, Africa and the Middle East.

With more than 50 years experience in the production of heat pumps now manufacturing over a million units a year, Daikin has been at the forefront of the drive for energy efficient heat pump technology. The systems are manufactured entirely 'in-house' in Daikin's state of the art factories – this includes the all important energy efficient inverter driven compressor unit.

As one of many wholly owned affiliate companies, Daikin UK is a leading supplier of heating, cooling and refrigeration solutions for commercial, residential and industrial applications. Our product portfolio comprises a wide range of highly energy efficient climate control systems which provides the public and private sectors with the right product for any application and requirement.

- State of the art direct expansion air conditioning
- Heat pump residential and light commercial heating, domestic hot water and cooling
- Applied central cooling and heating
- Medium to low temperature refrigeration.

RESPECT FOR THE **ENVIRONMENT**

Daikin has an enviable record in concern for environmental issues and applies it to all areas of the business, implementing and in many cases pre-empting, international and local environmental protective legislation.

This commitment is reflected in three areas:

1. Reducing waste in manufacturing and operations,
2. Recycling materials and equipment,
3. Designing and producing energy-efficient climate control equipment.

Reducing waste and recycling

At the Factory

- Wastewater is treated before being discharged into the city drainage system, with the recovered sludge being a useful ingredient in cement manufacturing.
- Other waste is also carefully sorted and recycled, supported by a continually evolving factory layout that encourages the optimum use of resources.
- Returnable packaging is invested in where possible
- ISO 9001 approved for quality management
- ISO 14001 approved for environmental management.

In the UK

- ISO 9001 approved for quality management
- ISO 14001 approved for environmental management
- All printed sales literature is made using recycled, FSC certified paper and printers.

DAIKIN UK
RECYCLING
END OF LIFE
AIR CON
UNITS

Recycling Equipment

Daikin UK's unique recycling service takes this commitment to the environment one step further. Despite the WEEE directive 2002/96/EC not currently including fixed air conditioning, when installing Daikin equipment you can arrange for up to 95% of the redundant equipment to be reprocessed by an authorised WEEE recycler.

Once collected from site, the end of life air conditioning equipment will be transported to a recycling facility, where it is dismantled in such a way that any hazardous substances are destroyed or reprocessed. This service is available to all installers of Daikin equipment, regardless of the manufacturer of the redundant units.

Energy efficient climate control equipment

Our products reflect the concept of combining maximising energy efficiency with maximum respect for the environment. Their utilisation of heat pump technology for example, results in far lower energy consumption and in the case of heating, drastically lower CO_2 emissions are achievable than with fossil fuel burning systems. Also their incorporation of numerous detailed features such as inverter control, heat recovery, economy operating modes, movement sensors among others, enhance user comfort without compromise to either efficiency or the environment.

▲ Daikin UK, Weybridge Head Office

▼ Office locations

▼ Training Centre locations

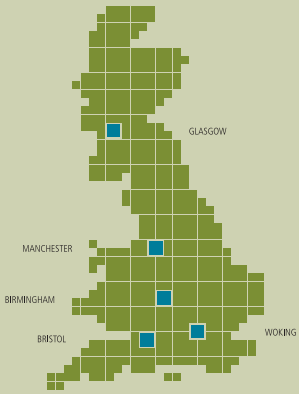

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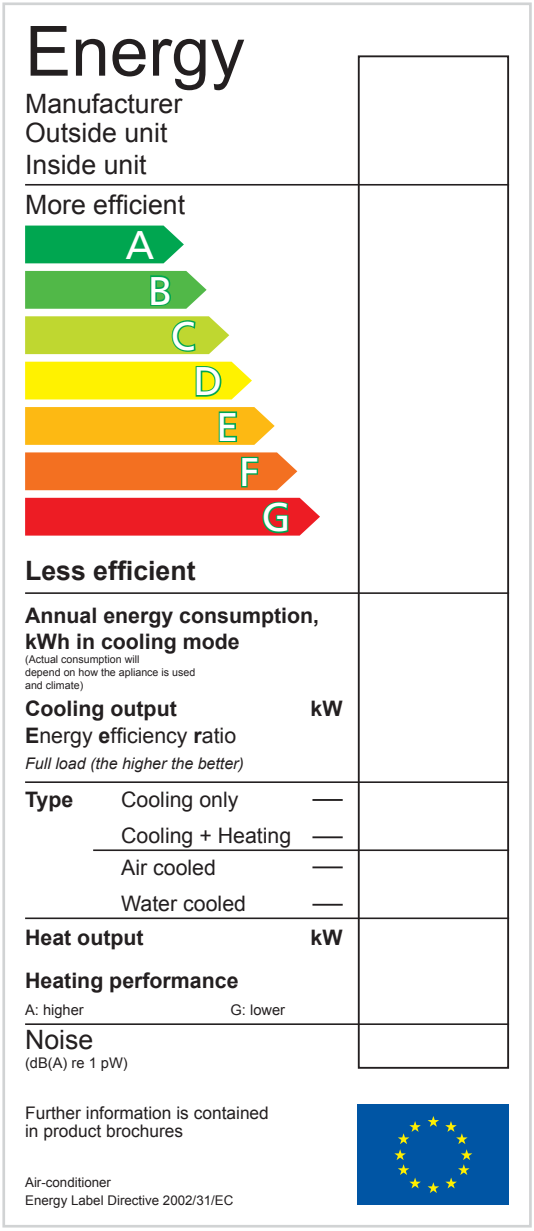
TABLE OF **CONTENTS**

ENERGY LABELLING

Energy labelling is part of a wider European Climate Change program that targets energy efficiency as one method of reducing CO_2 emissions in order to meet the targets of the Kyoto protocol. By this means the European Commission hopes that improved awareness will result in customers purchasing the most economical (ecological) answer to their needs.



What?

The energy label provides information on the energy consumption of the unit. Air conditioning units (with cooling capacity 12kW) are classified in seven different categories (A to G), according to their energy consumption and color coded according to the category to which they belong. The most energy efficient units will be included in the A category, indicated by a green arrow on the label – less efficient units will belong in G class, indicated by a red arrow on the label. The end user can easily compare the efficiency of equal types of units from different brands.

The label?
What is mentioned on the label?

Logo and name of manufacturer; name of indoor and outdoor unit (*)

Energy efficiency class of the unit in cooling mode:

A	EER > 3.20
B	3.20 ≥ EER > 3.00
C	3.00 ≥ EER > 2.80
D	2.80 ≥ EER > 2.60
E	2.60 ≥ EER > 2.40
F	2.40 ≥ EER > 2.20
G	2.20 ≥ EER

Indicated annual energy consumption

This figure indicates the approximate amount of energy consumed per year by the unit, based on a standard household model. The annual consumption is calculated by multiplying the total power input by an average of 500 hr per year IN COOLING MODE AT FULL LOAD.
In order to calculate the cost of annual energy consumption, you merely multiply this figure by your electricity tariff.

Cooling output

Cooling output is defined as the cooling capacity in kW of the appliance, operating in cooling mode at full load. It is important to choose an air conditioning unit with a rated output sufficient for your cooling/heating requirements. An oversized unit can result in frequent on/off cycling, which shortens its service life - an undersized unit will not provide adequate cooling/heating. To determine the appropriate output, contact the manufacturer or your local dealer/installer.

Energy Efficiency Ratio (EER)

This is the cooling output of the unit divided by the amount of electricity the unit requires to deliver it (total power input). In other words, the higher the EER, the greater the energy efficiency.

Type

TYPE OF UNIT: it indicates if the unit is a cooling only or cooling/heating system
COOLING MODE: it indicates if the unit is air cooled or water cooled

Heating output

Heating output is defined as the heating capacity in kW of the appliance, operating in heating mode at full load.

Energy efficiency class of the unit in heating mode:

A	COP > 3.60
B	3.60 ≥ COP > 3.40
C	3.40 ≥ COP > 3.20
D	3.20 ≥ COP > 2.80
E	2.80 ≥ COP > 2.60
F	2.60 ≥ COP > 2.40
G	2.40 ≥ COP

Noise level: only for portable units.

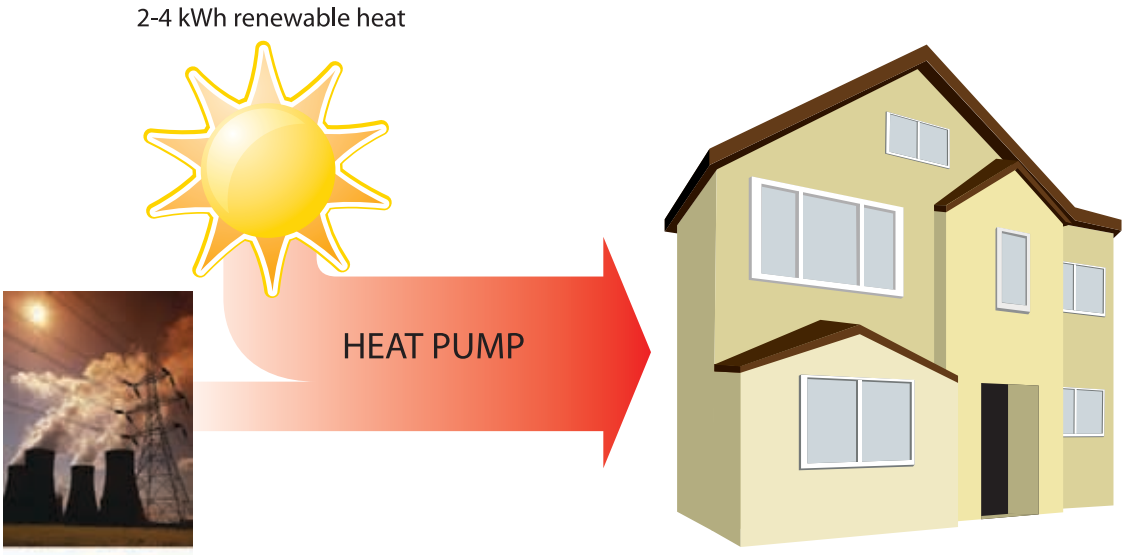
(*): For multi-models Daikin chooses only to mention 1 outdoor unit with a maximum of 2 indoor units (wall mounted type) - for other units we refer to the multi brochure.

Air Source Heat Pump

ALTHERMA... Tomorrow's Solution Today!

Altherma is safe, reliable, highly efficient and a true low carbon, low cost solution for home heating and hot water. Altherma heats up to 5 times more efficiently than a traditional heating system based on fossil fuels or electricity. By making use of the heat in the outside air it uses much less energy, whilst still providing year round comfort.

Altherma is a split system consisting of an outdoor unit and an indoor hydro-box that can be connected to all standard low temperature radiators and underfloor heating systems. As maintenance requirements are minimal, running costs are low. Inverter technology means energy savings are even greater.



COP (Coefficient of Performance)

The COP is defined as the ratio of output energy in Kilo Watts (kW) and the input energy Kilo Watts (kW). The higher the COP is, the more efficient the system. The Altherma heat pump boiler has a COP of 3 to 5, which means that the pump delivers 3 to 5 times more energy than it uses. From 1 kilowatt of electricity Altherma produces 3 to 5 kilowatts of available heat.

Minimal installation cost

Altherma takes heat from the air. No digging or excavation works are required. Both the outdoor and indoor units are compact. The external unit can be located easily outside any building, including apartments. Without flames or fumes, there is no need for a chimney or constant ventilation in the room, where Altherma's indoor unit is installed.

Flexible configurations

Altherma can be configured for use in both new and refurbishment applications and connects to standard low temperature radiators, under floor heating or fan coil units. If you already have a heating system, you don't need to change everything.

Complete comfort for the family

Altherma not only satisfies heating and domestic hot water requirements, it also comes with a cooling option.

Absolutely safe

Altherma doesn't need oil, gas or other hazardous substances. Moreover, you don't need a gas connection or a fuel tank. No risk of intoxication, smell or pollution from leaking tanks.

HOW THE SYSTEM WORKS

1 The heat pump extracts heat from the outside air

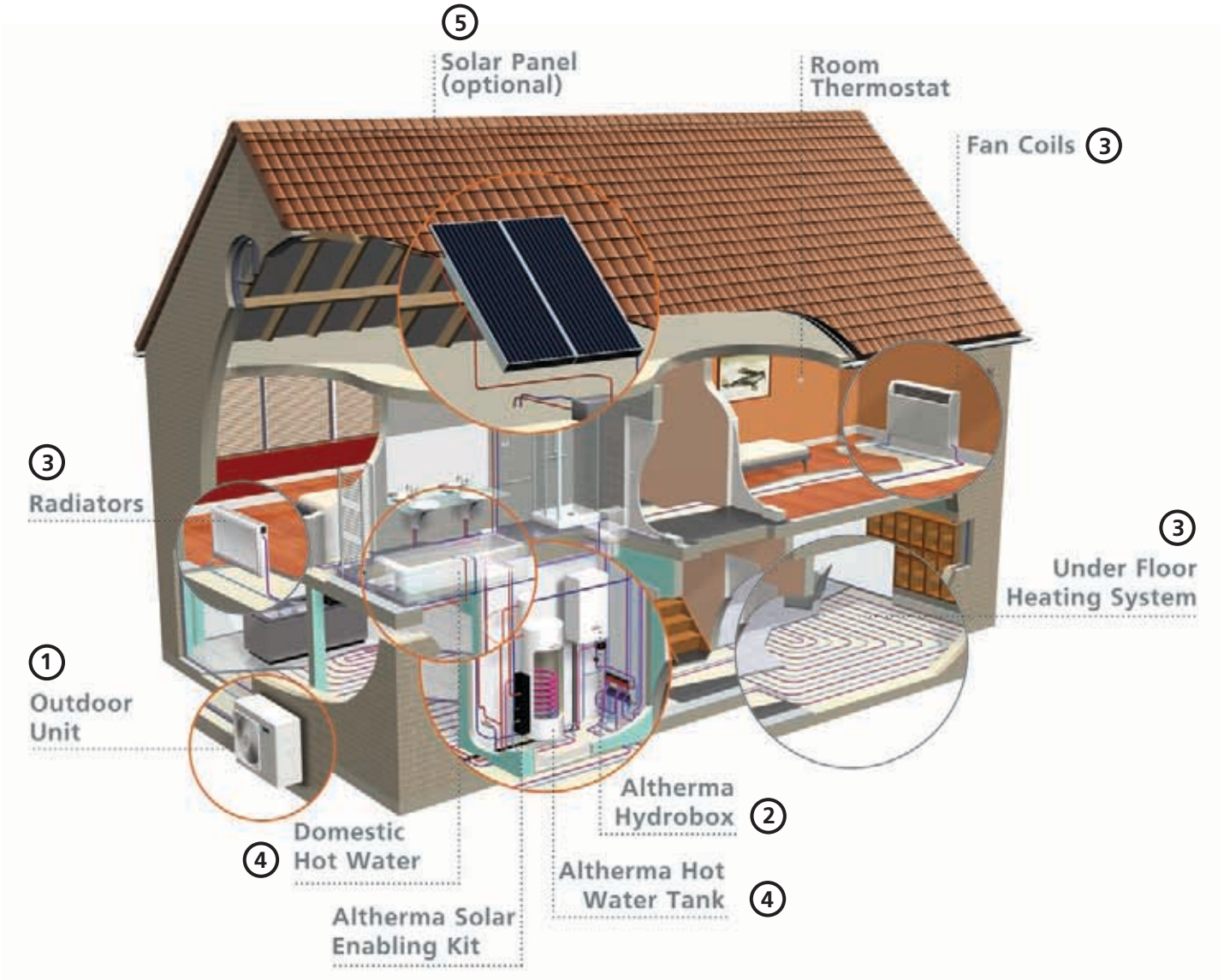
Altherma uses a natural, renewable source of energy… air.

The outdoor unit derives heat from the surrounding air and raises its temperature until it is high enough to heat a home. This heat is then transmitted to the indoor unit through heat transfer fluid.
The compact outdoor unit is easily installed and can also be used in properties without a garden.

2 The system raises this heat to a higher temperature

The indoor hydro unit heats the water that circulates through your low temperature radiators, floor heating systems or fan coil units and provides you with domestic hot water.

If the user opts for the combination of heating and cooling, then the indoor unit can also decrease the water temperature to distribute a refreshing coolness.



3 This heat is then distributed throughout the home via heating units...

Underfloor heating

Underfloor heating is possibly the best solution for new installations. It provides the following benefits:

- Maximum comfort due to radiated heat
- Maximum efficiency compared to other heat emitters
- Unobtrusive i.e. no wall space required
- Water flow temperatures typically 35 to 40°C.
- Seasonal COP typically 3.5 to 4.5

Radiators

Traditionally used as the costs are relatively inexpensive compared to other systems. The main benefits for the radiator system are:

- Traditional heating solution
- Low capital cost
- Water temp typically 50°C with heat pumps (radiators must be sized accordingly)
- Seasonal COP with weather compensation typically 3.0 to 3.5

Fan coils

These systems are more diverse in that they can provide both heating and cooling if required. Benefits include:

- Able to heat and cool
- Cased or concealed units
- Individual control
- Water flow temperatures typically 35C heating 7C for cooling option
- Seasonal COP heating typically 3.5 to 4.5

4 ...and to the bath, shower and sinks

A purpose built stainless steel water tank, constructed to maintain the highest levels of energy efficiency, is available to meet domestic hot water needs. The combination of an electric booster heater in the upper part of the tank and a heat pump exchanger in the lower part ensures the lowest possible energy consumption with rapid water heating. In addition, a built in function raises the water temperature to 70C or higher at least once a week to remove any possibility of legionella growth.

5 Optional Solar Kit

The Altherma System can be perfectly combined with solar collectors to produce hot water. The sun provides 30 to 70% of the energy required for our hot water needs. Altherma, your total solution, thinks of the future.

ALTHERMA CONTROLS

Smart temperature regulator

The control system which operates Altherma is built into the casing of the indoor unit and is very simple to use. With this integrated control, it is possible to regulate the heating according to the needs of the user. It is easy to set up a full weekly programme and in this way, temperature is reduced automatically at night or during holidays and increased when the user gets up or returns home.

The system can also be combined with additional temperature regulating systems with separate thermostats for living rooms, bedrooms, etc.

Weather compensation

Whatever the temperature outside Altherma optimises the temperature inside. Altherma has weather compensation built into its integrated control system, allowing it to minimise energy input to achieve optimum temperature conditions. Compared to most systems Altherma will be more efficient and will cost less to use. Altherma has weather compensation built in as standard.

Room Thermostat

With the wired or wireless room thermostat, the ideal temperature can be easily, quickly and conveniently regulated. As an option to the wireless room thermostat, an external sensor (EKRTETS) can also be placed between the under floor heating and the floor. It allows for more precise measurement and can regulate the comfort level of your customer even more optimally and energy efficiently.

EKRTW: wired wall-mounting room thermostat
EKRTR: wireless room thermostat.

EKHBH(X)-A*

INDOOR UNIT (HYDRO BOX)						
			EKHBH008AA***	EKHBX008AA***	EKHBH016AB***	EKHBX016AB***
Function			Heating only	Reversible	Heating only	Reversible
To use with			ERHQ006~008AD		ERHQ011~016AA	
Dimensions	HxWxD	mm	922x502x361	922x502x361	922x502x361	922x502x361
Leaving Water Temperature Range	heating	°C	15~50		15~55	
	cooling	°C	-	5~22	-	5 - 22
Drain valve			Yes			
Material			Epoxy polyester painted galvanized steel			
Colour			RAL 9010 (neutral white)			

*** Hydro Box with Factory Mounted Electric Heater

	FACTORY MOUNTED ELECTRIC HEATER	
	Power supply	Capacity steps
Heating Only		
EKHBH008AA3V3	230V Single Phase	3kW 1 step
EKHBH008AA6V3	230V Single Phase	6kW 2 step
EKHBH008AA9WN	400V Three Phase and Neutral	9kW 2 step
Reversible		
EKHBX008AA3V3	230V Single Phase	3kW 1 step
EKHBX008AA6V3	230V Single Phase	6kW 2 step
EKHBX008AA9WN	400V Three Phase and Neutral	9kW 2 step

INVERTER

ERHQ-AD

ERHQ-A

OUTDOOR UNIT										
			ERHQ006AD	ERHQ007AD	ERHQ008AD	ERHQ011A	ERHQ014A	ERHQ016A	ERHQ011AW1	ERHQ014AW1	ERHQ016AW1
Dimensions	HxWxD	mm	735x825x300			1170x900x320			1345x900x320		
Nominal capacity	Heating	kW	5.75	6.84	8.43	11.2	14.0	16.0	11.32	14.5	16.05
	Cooling	kW	5.12	5.86	6.08	10.0	12.5	13.1	11.72	12.55	13.12
Nominal input	Heating	kW	1.26	1.58	2.08	2.46	3.17	3.83	2.54	3.33	3.73
	Cooling	kW	2.16	2.59	2.75	3.6	5.29	5.95	4.22	5	5.65
COP			4.56	4.33	4.05	4.55	4.42	4.18	4.46	4.35	4.3
EER			2.37	2.26	2.21	2.78	2.36	2.2	2.78	2.51	2.32
Operation range	Heating	°C	-20 ~ 25			-20 ~ 35			-20 ~ 35		
	Cooling	°C	10 ~43			10 ~46			10 ~46		
	Hot water	°C	-20 ~ 43								
Sound Pressure level	Heating	dBA	48	48	49	49	51	53	51	51	52
	Cooling	dBA	48	48	50	50	52	54	50	52	54
Weight		kg	56			103			108		
Refrigerant charge	R-410A	kg	1.7			3.7			2.95		
Power Supply			1 ~ /230V/50Hz						3 ~/400V/50Hz		
Recommended fuses		A	20			32			20		

Nominal Capacity and Power Input based on the following conditions:
Heating Ambient 7 °CDB/6 °CWB / Leaving Water Temp. 35 °C (DT 5 °C) **Cooling** Ambient 35 °C / Leaving Water Temp. 7 °C (DT 5 °C)

OPTIONS					
		Hydro Box Heating Only EKHBH008 EKHBH016	Hydro Box Reversible EKHBX008 EKHBX016	Outdoor Unit ERHQ006-008	Outdoor Unit ERHQ011-016
EKHBDP	Drain pan Kit for cooling operation below 18 °C		•		
EKRP1HB	Option PCB for solar connection and remote alarm reporting	•	•		
EKBPHT08	Drain pan heater tape			•	
EKBPHT16Y	Drain pan heater tape				•

DOMESTIC HOT WATER TANK					
			EKHWSU150B3V3	EKHWSU200B3V3	EKHWSU300B3V3
Suitable for			Unvented Systems (EKUHWB Kit also required - see below)		
Water Volume		l	150	200	300
Max Water Temperature		°C	85		
Booster Heater Capacity		kW	3		
Power Supply		ph/V/Hz	1/230/50		
Height		mm	1015	1265	1715
Diameter		mm	580		
Empty Weight		kg	38	46	60
Colour			Neutral White		
Material Inside Tank			Stainless Steel (DIN 1.452 1)		
Material Outside Casing			Epoxy-Coated Mild Steel		
Piping Connections (Diameter)	Water inlet H/E	inch	3/4"		
	Water outlet H/E	inch	3/4"		
	Cold Water in	inch	3/4"		
	Hot water out	inch	3/4"		

EKHWSU200B3V3

ACCESSORY KIT FOR UNVENTED SYSTEMS		
		Domestic Hot Water Tank EKHWSU-B3V3
EKUHWB	Includes: Combined Pressure Reducing Valve, Non Return Valve, Strainer, Expansion Relief Valve, Expansion Vessel, Tundish	•
EKUHW2WB	Separate 2 way valve (To use with EKUHWB for installations with Solar Kit)	•

SOLAR ENABLING KIT			
			EKSOLHWAV1
Dimensions	HxWxD	mm	770x305x207
Heat exchanger	Pressure drop	kPA	21.5
	Max. inlet temp	°C	110
	Capacity	W/K	1,400
Ambient temperature	Max.	°C	35
	Min.	°C	1
Power supply			1~/220-240V/50Hz
Power supply intake			indoor unit

Altherma Monobloc

Air Source Heat Pump

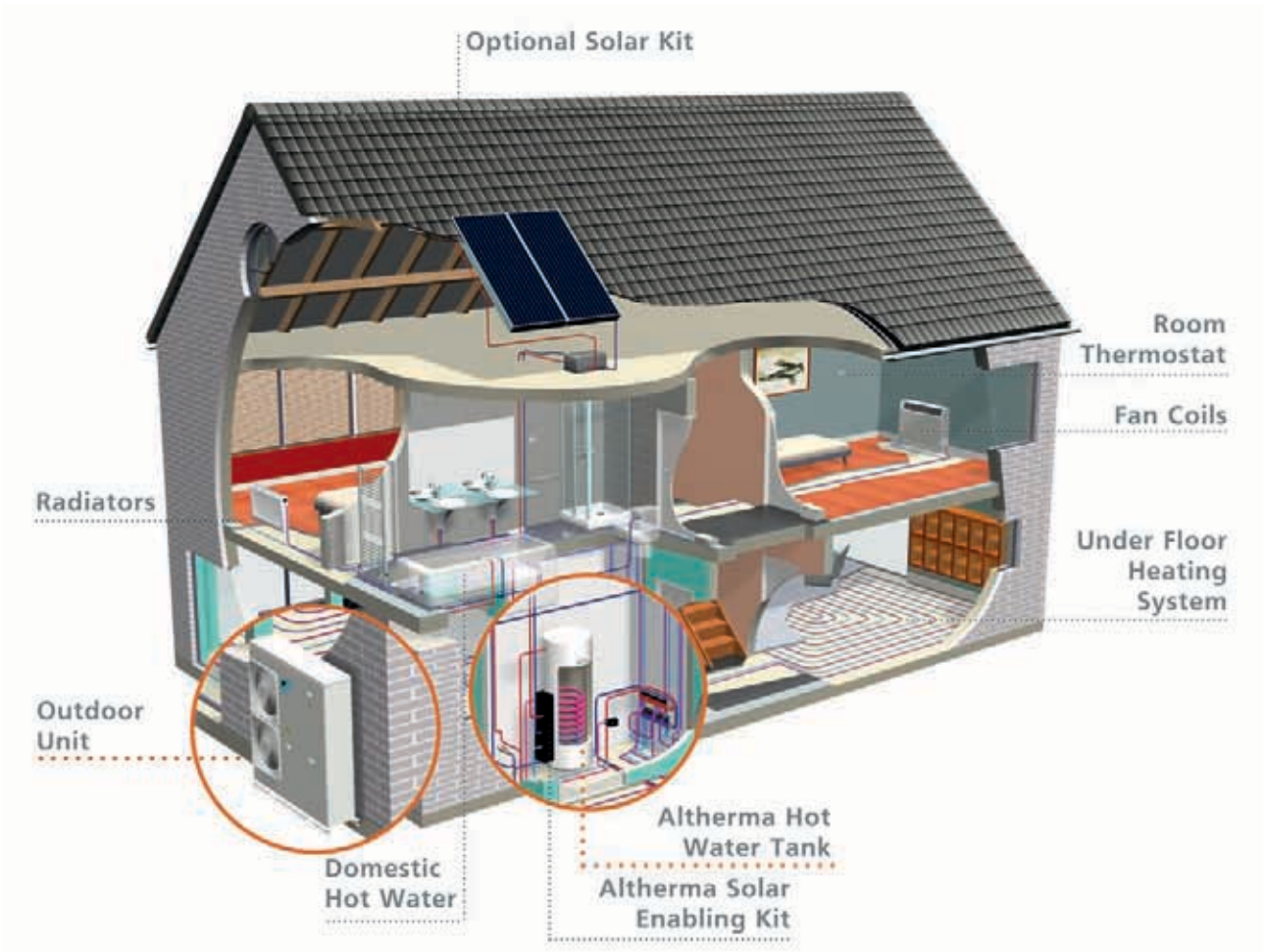
Outdoor unit and indoor unit in ONE!

In addition to standard Altherma system with Hydrobox, hot water tank and outdoor unit, for 2009 we introduce the Altherma Monobloc. The Monobloc has all hydraulic parts located within the outdoor unit.

In this new system the water pipes, rather than refrigerant lines, run indoors from the outdoor unit making installation much quicker.

In order to protect the water pipes from freezing up during winter, insulation is provided for all hydraulic components and special software has been applied to activate the pump and back up heater if necessary. This prevents the water temperature from dropping below freezing point and obviates the need for the addition of glycol to the water pipes.

- H_2O piping between outdoor unit and indoor heating appliances
- Freeze protection of hydraulic parts
- Connectable to under floor heating, low temperature radiators and fan coil units, just like the standard Altherma system
- Domestic hot water tank with optional solar kit, perfectly combinable with solar collectors.



OUTDOOR UNIT			HEATING ONLY			REVERSIBLE		
SINGLE PHASE	With bottom plate heater		EDLQ011A6V3	EDLQ014A6V3	EDLQ016A6V3	EBLQ011A6V3	EBLQ014A6V3	EBLQ016A6V3
	Without bottom plate heater		EDHQ011A6V3	EDHQ014A6V3	EDHQ016A6V3	EBHQ011A6V3	EBHQ014A6V3	EBHQ016A6V3
Nominal capacity	Heating	kW	11.20	14.00	16.00	11.20	14.00	16.00
	Cooling	kW				10.00	12.50	13.10
Nominal input	Heating	kW	2.47	3.20	3.79	2.47	3.20	3.79
	Cooling	kW				3.60	5.30	5.85
COP			4.54	4.37	4.22	4.54	4.37	4.22
EER						2.78	2.36	2.24
Operation range	Heating	°C	-15~35[1]			-15~35[1]		
	Cooling	°C				10~46		
	Domestic water	°C	-20~43			-20~43		
Sound power level	Heating	dBA	64	64	66	64	64	66
	Cooling	dBA				64	66	69
Sound pressure level	Heating	dBA	51	51	52	51	51	52
	Cooling	dBA				50	52	54
Dimensions	HxWxD	mm	1418 x 1435 x 382			1418 x 1435 x 382		
Weight		kg	180			180		
Refrigerant charge	R-410A	kg	2.95			2.95		
Power Supply			1~/230V/50Hz			1~/230V/50Hz		
Recommended fuses		A	32			32		

Measuring conditions: Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT=5°C) - Cooling Ta 35°C - LWE7°C (DT=5°C)
[1] E(D/B)L* models can reach -20°C

			HEATING ONLY			REVERSIBLE		
COMBINATION TABLE	With bottom plate heater		EDLQ011A6V3	EDLQ014A6V3	EDLQ016A6V3	EBLQ011A6V3	EBLQ014A6V3	EBLQ016A6V3
	Without bottom plate heater		EDHQ011A6V3	EDHQ014A6V3	EDHQ016A6V3	EBHQ011A6V3	EBHQ014A6V3	EBHQ016A6V3
Stainless steel domestic hot water tank		EKHWSU150B3V3	•	•	•	•	•	•
		EKHWSU200B3V3	•	•	•	•	•	•
		EKHWSU300B3V3	•	•	•	•	•	•
Solar kit		EKSOLHWAV1	•	•	•	•	•	•
Wired remote control		EKRTW	•	•	•	•	•	•
Wireless remote control		EKRTR + EKRTETS	•	•	•	•	•	•

THREE PHASE	With bottom plate heater		HEATING ONLY			REVERSIBLE		
			EDLQ011A6W1	EDLQ014A6W1	EDLQ016A6W1	EBLQ011A6W1	EBLQ014A6W1	EBLQ016A6W1
	Without bottom plate heater		EDHQ011A6W1	EDHQ014A6W1	EDHQ016A6W1	EBHQ011A6W1	EBHQ014A6W1	EBHQ016A6W1
Nominal capacity	Heating	kW	11.20	14.00	16.00	11.20	14.00	16.00
	Cooling	kW				10.00	12.50	13.10
Nominal input	Heating	kW	2.51	3.22	3.72	2.51	3.22	3.72
	Cooling	kW				3.60	4.98	5.65
COP			4.46	4.35	4.30	4.46	4.35	4.30
EER						2.78	2.51	2.32
Operation range	Heating	°C	-15~35[1]			-15~35[1]		
	Cooling	°C				10~46		
	Domestic water	°C	-20~43			-20~43		
Sound power level	Heating	dBA	64	64	66	64	64	66
	Cooling	dBA				64	66	69
Sound pressure level	Heating	dBA	49	51	53	49	51	53
	Cooling	dBA				50	52	54
Dimensions	HxWxD	mm	1418 x 1435 x 382			1418 x 1435 x 382		
Weight		kg	180			180		
Refrigerant charge	R-410A	kg	2.95			2.95		
Power Supply			3N~/400V/50Hz			3N~/400V/50Hz		
Recommended fuses		A	32			32		

Measuring conditions: Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT=5°C) - Cooling Ta 35°C - LWE7°C (DT=5°)
[1] E(D/B)L *6W1 models can reach -25°C

			HEATING ONLY			REVERSIBLE		
COMBINATION TABLE	With bottom plate heater		EDLQ011A6W1	EDLQ014A6W1	EDLQ016A6W1	EBLQ011A6W1	EBLQ014A6W1	EBLQ016A6W1
	Without bottom plate heater		EDHQ011A6W1	EDHQ014A6W1	EDHQ016A6W1	EBHQ011A6W1	EBHQ014A6W1	EBHQ016A6W1
Stainless steel domestic hot water tank		EKHWSU150B3V3	•	•	•	•	•	•
		EKHWSU200B3V3	•	•	•	•	•	•
		EKHWSU300B3V3	•	•	•	•	•	•
Solar kit		EKSOLHWAV1	•	•	•	•	•	•
Wired remote control		EKRTW	•	•	•	•	•	•
Wireless remote control		EKRTR + EKRTETS	•	•	•	•	•	•


drinks
chill zone
SAVOURIES
SAVOURIES
evian

Conveni-pack

The Food Retailing Revolution that Saves Space and Reduces Energy Consumption

Conveni-pack is a highly innovative and revolutionary system that has been developed by Daikin to address the requirements of a challenging retail environment.

Conveni-pack integrates heating, cooling and low/high temperature refrigeration in one system.

Heating, cooling and refrigeration in one system?

You are not dreaming. Conveni-pack consists of heating, cooling **AND** low/high refrigeration units, all combined in a single, compact and integrated system.

Until now, conventional systems for low/high refrigeration, heating and cooling systems have been separated from one another, requiring space and numerous piping connections.

Conveni-pack totally revolutionises this approach.

It consists of an inverter driven outdoor unit and indoor air conditioning units that can be connected to low/high temperature refrigeration cabinets and/or unit coolers.

Designed specifically for the convenience store

Energy Efficiency
Heat recovery provides up to 23% energy savings in an average year by taking waste heat from the refrigeration system and converting this to comfort heating for free. With the energy savings of up to 27% from the inverter technology the total energy saved can be up to 50% over a one year period compared to a conventional system.

Reduces the Carbon Footprint
The Conveni-pack heat pump unit is a sustainable energy solution that is both energy efficient and reduces the carbon footprint. Actual savings and reduction in emissions will vary from installation to installation.

Improved comfort for Customer and Staff
Integrated heating and cooling means a comfortable environment for the store staff and store customers. A comfortable environment promotes increased spend per shopping basket as well as attracting customers back on a regular basis.

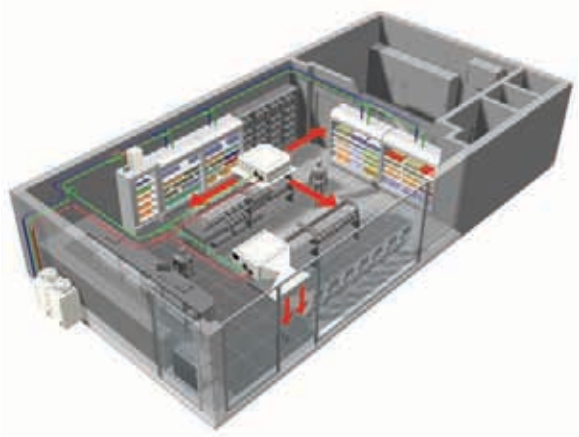
Better Use of Space
The footprint for the Conveni-pack system is considerably less than for other more traditional refrigeration solutions. The additional space created can be more effectively used for additional retail floor space or additional storage area.

Cost Effective Solution
Compared to a traditional heating and refrigeration solution, the purchase of Conveni-pack makes good financial sense. There is a desirable payback, from energy savings, lower maintenance and reduced operating cost, on the initial capital investment. Life time costs savings will be significant.

CONVENI-PACK

What store size is Conveni-pack suitable for?

Conveni-pack is specifically designed and developed for small to medium-sized stores or petrol stations. Furthermore, the concept is scalable, so can be easily expanded as your facility grows.



Small stores

For small convenience stores and petrol stations, a single Conveni-pack system is all that is required. Compared to conventional systems, a great advantage of Conveni-pack for a small store is the simplified piping required to connect the Conveni-pack outdoor unit to the indoor services. Instead of eight pipes you need just three, as fewer units have to be inter-connected.

Medium-sized stores

For larger applications, multiple outdoor units can be connected to a variety of refrigeration systems and air conditioning units. What's more, 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 specific requirements of the installation. Additionally, the outdoor units can be located above or below the refrigeration cabinets, inside the building and with long runs if required.

To select multiple systems, use the combined refrigeration and air conditioning loads, as shown in the illustration. Conventional air conditioning or integral refrigeration systems are added where required. This process maximizes the benefits of using Conveni-pack.

What's included in the Conveni-pack system?

The great flexibility of Conveni-pack means you can select exactly the number of systems you require, as well as various indoor unit options to maximise your investment.

Outdoor unit

The inverter driven outdoor unit has a smaller footprint than standard systems and requires less piping to connect it to the indoor units.

Low noise during operation
Global average sound level pressure at 10m
- Refrigeration high load: 46 dB(A)
- Refrigeration high load with partial heat recovery: 42 dB(A)
- Night time operation, low refrigeration load : 31 dB(A)

The outdoor unit can even be quieter with the sound insulation kit option.

Energy saving
Using Conveni-pack can reduce annual energy consumption by as much as 50% when compared to conventional systems, by using optimised controls, inverter technology and heat recovery. The controls and inverter provide a baseline efficiency gain of 27% and heat recovery can provide up to 23% further energy saving depending on the outdoor temperature.

System controller

The Conveni-pack controller is used for the:
- Control of the air conditioning system
- Display and storage of temperatures for the refrigeration units
- Graphical display for system analysis
- Interface for air conditioning network service systems.

Air conditioning indoor units

- 4-way blow cassettes are suitable for the majority of applications. The number of outlets can be adjusted between four and two, optimising the distribution and avoiding air currents that would disturb the operation of the refrigeration cabinets.
- Ceiling suspended units can be used where no ceiling cavity is available.
- Concealed ceiling units are available in high or low External Static Pressure (ESP) versions for installation where control over the distribution is required, for example between aisles of refrigeration cabinets, or as an energy efficient alternative to direct electric air curtains.

Freezer booster pack

Conveni-pack can be provided with a freezer booster pack for use with low temperature refrigeration. This option brings additional energy savings and simplifies installation by limiting the length of heavily insulated pipe required. The freezer booster pack is installed indoors.

The freezer booster pack contains a satellite compressor which provides the first compression stage from -35°C into the suction line of the high temperature refrigeration. The second stage compression is performed in the outdoor unit. This allows significantly lower compression rates, energy consumption and end temperatures.

Air conditioning network service systems online monitoring service

Air conditioning network service systems is a 24-hour, 7/7 online monitoring service for Conveni-pack that increases the quality of periodic inspection and maintenance. Air conditioning network service systems immediately detects if a malfunction occurs before the tenants are even aware of the situation.

Reliable periodic inspection ensures Conveni-pack always performs at top levels and continues to deliver its energy-saving benefits. Air conditioning network service systems supports this by providing engineers with valuable diagnostic information.


Fresh Fruit & Vegetables
Pick of the season
We cherry pick the best seasonal fruit and vegetables all year round.
Fruit
Vegetables

Daikin residential air conditioning is the modern, economic and efficient way to switch on to springtime - in the living room, dining room, kitchen or bedroom, night and day, throughout the year.
Daikin air conditioning units are easy to install, easy to use, ultra reliable, quiet running and come in an elegant and up to date range of wall, floor and ceiling mounted indoor models.
Also, the incorporation of inverter control enables Daikin to bring air conditioning technology of the future to the residential market today. Inverter control cuts start up time and energy consumption by almost a third, alters unit output to suit outdoor conditions, improves performance relative to power input, ensures a more even room temperature and eliminates power surges and stop/start cycles.
The recently expanded Sky air inverter range (Super inverter and Comfort inverter) enables Daikin to offer a complete range of inverter units for all possible commercial applications from 7.1kW to 25kW in single and three phase versions. All these units can be used as pair systems or in twin, triple or double twin combinations. Both Sky air Super inverter and Comfort inverter ranges are designed for use in shops, restaurants and small offices.
Sky air Comfort inverter units provide inverter solutions for customers requiring the comfort of inverter technology but without the need for the top class performance of the Sky air Super inverter. Whereas the Sky air Super inverter focuses on extremely high quality performance and top class energy savings, the new Sky air Comfort inverter emphasises compact design and maximum comfort.

RZQ Super Inverter

- Wide product range: 7.1 ~ 25 kW (Single and Three Phase)
- Wide operation range: up to -20oC in heating mode (RZQ71 ~ 140)
- Quiet operation
- 24 hours programmable remote control with a weekly schedule timer
- Maximum piping length extended to 100m (RZQ200 ~ 250)
- Maximum installation height difference up to 30m
- Suits computer room applications (RZQ71 ~ 140)
- Re-use of existing R-22 or R-407C piping

RZQS Comfort Inverter

- Wide product range: 7.1 ~ 14 kW (Single Phase)
- Wide operation range: up to -15oC in heating mode
- Quiet operation
- 24 hours programmable remote control with a weekly schedule timer
- Maximum piping length extended to 50m
- Maximum installation height difference up to 30m

Residential & Commercial

Ururu Sarara

Good Design Award

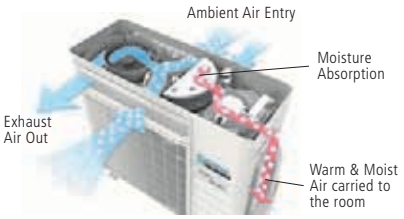
flash streamer ONLY BY DAIKIN

A unique combination of humidification, dehumidification, ventilation and air purification

Good temperature control is not all that is needed for a comfortable indoor climate. Precision control of humidity and ventilation of the room is essential. Thanks to the Ururu Sarara, you can humidify, dehumidify, ventilate and purify.

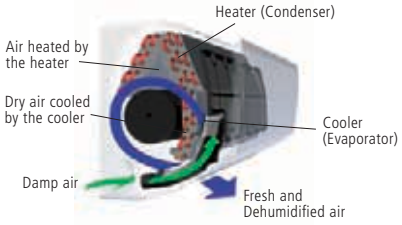
URURU humidification: Pleasant, even during heating

The Ururu humidification system absorbs moisture from the outdoor air and transports it to the indoor unit, quickly and efficiently humidifying the room. This eliminates the need for a separate water supply. Thanks to the perfect combination of humidification and air conditioning, your room heats evenly.



SARARA dehumidification: No drop in temperature, feel the difference

During the summer, a high degree of ambient air humidity, even at moderate temperatures, can make a room feel hot and stuffy. The Sarara dehumidification system reduces indoor humidity without affecting the room temperature, by mixing cool dry air with warm air.

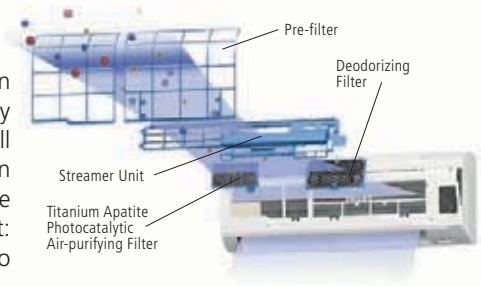


Ventilation: Fresh air, even with closed windows

Unlike the conventional air conditioner, the Ururu Sarara brings fresh, conditioned air into the room. The Ururu Sarara is the first residential air conditioning system that can fill a room of more than 26 m² with fresh air in less than two hours. Furthermore, the temperature of the incoming air is brought to the desired level without heat loss. Another benefit is that the air supply fan is accommodated in the outdoor unit, which means that you will never be bothered by any fan noises.

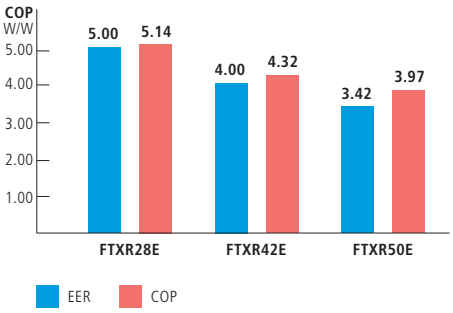
Air purification: Non-stop purified and allergy-free air

The Ururu Sarara purifies the incoming air in two stages: first in the outdoor unit and then in the indoor unit. Exhaust gases and unpleasant odours are broken down and removed by the outdoor unit before the air streams into the indoor unit. In the indoor unit, the air will then be purified through dust and pollen filtration and the photocatalytic air purification filter will further break down odours such as cigarette smoke and cooking odours. In the last stage, a new Daikin technology called Flash Streamer gives the air a final treatment: it accelerates the Photocatalysis process removing bacteria and viruses in less time. It also breaks down any possible remnants of allergens, like formaldehyde and moulds.



Superb energy efficiency: Energy labels at the top level

Daikin has further improved the energy efficiency. At the same time it has realised substantial energy savings compared to conventional models by achieving an industrial top class EER of 5.00 and COP of 5.14



INVERTER

FTXR-E / RXR-E

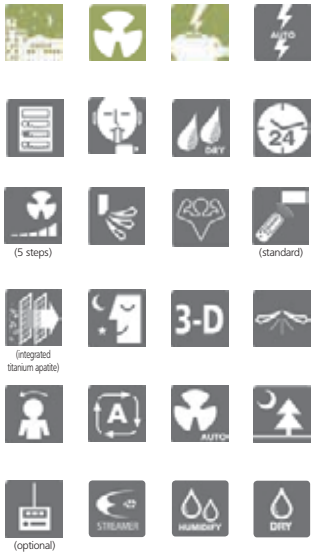
Wall Mounted Unit

ARC 447A

FTXR-E

RXR-E

- URURU humidification: maintains a comfortable humidity level without any separate water supply
- SARARA dehumidification: maintains a comfortable and fresh indoor environment by removing moisture from the air without lowering the temperature
- Energy efficient: full range A class labels (EER = 5.00/COP = 5.14)
- Powerful ventilation: refreshes the room within 2 hours
- Powerful air purification: increases indoor air quality with Daikin Flash Streamer technology
- Comfortable air flow
- Stylish design
- Other features: moisturizing operation mode, breeze cooling air flow, comfort sleep operation, mould shock operation



HEAT PUMP				INVERTER		
Indoor Units				**FTXR28EV1B9**	**FTXR42EV1B9**	**FTXR50EV1B9**
Nominal Capacity	Cooling capacity	Minimum	kW	1.55		
		Standard	kW	2.8	4.2	5.0
		Maximum	kW	3.6	4.60	5.50
	Heating capacity	Minimum	kW	1.30		
		Standard	kW	3.6	5.1	6.0
		Maximum	kW	5.00	5.6	6.20
Annual energy consumption			kWh	280	525	730
EER / COP	Cooling / Heating			5.00 / 5.14	4.00 / 4.32	3.42 / 3.97
Energy Label	cooling / heating			A / A		
Dimensions	(Height x Width x Depth)		mm	305x890x209		
Weight			kg	14		
Air Flow Rate	Cooling	H/M/L/SL	m^3/min	11.1 / 8.8 / 6.5 / 5.7	12.4 / 9.6 / 6.8 / 6.0	13.3 / 10.3 / 7.3 / 6.5
	Heating	H/M/L/SL	m^3/min	12.4 / 9.8 / 7.3 / 6.5	12.9 / 10.2 / 7.7 / 6.8	14.0 / 11.1 / 8.3 / 7.3
Sound Power	Cooling	Medium	dBA	55	58	60
	Heating	Medium	dBA	57	58	60
Sound Pressure	Cooling	H/M/L/SL	dBA	39 / 33 / 26 / 23	42 / 35 / 27 / 24	44 / 37 / 29 / 26
	Heating	H/M/L/SL	dBA	41 / 35 / 28 / 25	42 / 36 / 29 / 26	44 / 38 / 31 / 28
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

Outdoor Unit				**RXR28EV1B9**	**RXR42EV1B9**	**RXR50EV1B9**
Dimensions	(Height x Width x Depth)		mm	693x795x285		
Weight			kg	48		
Sound pressure level	Cooling	H/L	dBA	46	48	48
	Heating	H/L	dBA	46	48	50
Sound power level	Cooling	H	dBA	60	62	62
Operation Range	Cooling	Min~Max	°CDB	-10~43		
	Heating	Min~Max	°CWB	-20~18		
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.5 / 18		
Piping Length (Maximum)			m	10		

UX1

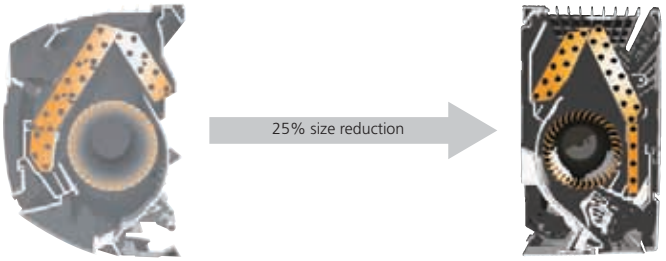
Good Design Award

Designed for people who do not only care for quality but also care for stylish design.

Stylish and compact design

Daikin succeeded in creating an indoor unit with such a sleek profile, that you won't believe it is an air conditioning unit. In standby mode, the discharge opening is closed, resulting in a compact depth of only 15cm.
When starting the unit up, the entire front panel slides smoothly open.
For this model, Daikin even received the "Good Design Award" in Japan.

Sensational thinning technology



FTK(X)S FTXG

- High efficiency slit fin heat exchanger:
- Miniature cross flow fan

The blade configuration has been optimized to achieve quiet operation and powerful air flow, while reducing the fan's diameter by 20% compared to conventional models.

Superb energy efficiency

Daikin has further improved the energy efficiency. At the same time is realised substantial energy savings compared to conventional models by achieved an industrial top class EER of 4.03 and COP 4.15.

These top class values are achieved by the following 3 technologies;

- PAM Inverter control
- Reluctance DC motor and DC Fan motor
- Swing compressor

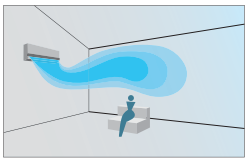
INVERTER

FTXG-E / RXG-E

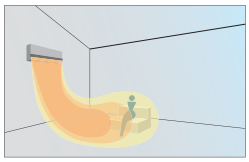
Wall mounted unit

ARC433A41 FTXG-E-S FTXG-E-W RXG-E

- **State of the art design:** the UX1 is sleek, compact and has a stylish outlook
- Available in 2 colour variations: matt crystal white and matt crystal silver
- Easy to clean flat suction grille
- Energy efficiency
- Movement sensor saves power consumption in unoccupied rooms
- **Comfort Mode:** guarantees draught free operation. When it cools, the flap is positioned horizontally to prevent cold air flow from being blown directly onto the body. When it heats, the flap turns vertically downwards to take the warm air to the bottom of the room.

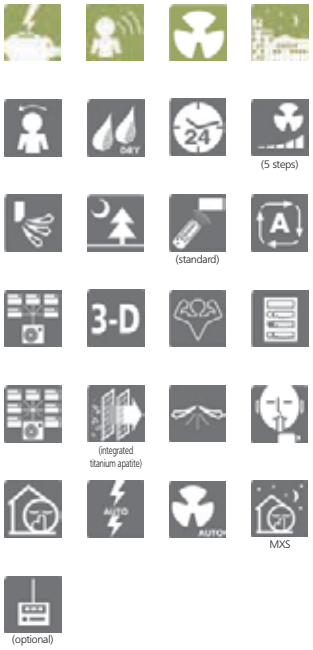


Cooling mode



Heating mode

- The new titanium apatite photocatalytic air purification filter increases the active surface area for effective purification and deodorisation
- Horizontal and vertical auto-swing
- 3D-air flow ensure efficient air and temperature distribution
- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original setting.
- Indoor / outdoor unit silent operation
- Connection to multi outdoor possible



HEAT PUMP				INVERTER			
Indoor Units				**FTXG25EV1BW**	**FTXG25EV1BS**	**FTXG35EV1BW**	**FTXG35EV1BS**
Nominal Capacity	Cooling capacity	Minimum	kW	1.3		1.4	
		Standard	kW	2.5		3.5	
		Maximum	kW	3.0		3.8	
	Heating capacity	Minimum	kW	1.3		1.4	
		Standard	kW	3.4		4.2	
		Maximum	kW	4.5		5.0	
Annual energy consumption			kWh	310		530	
EER / COP	Cooling / Heating			4.03 / 4.15		3.30 / 3.72	
Energy Label	cooling / heating			A / A			
Dimensions	(Height x Width x Depth)		mm	275x840x150			
Weight			kg	9.0			
Air Flow Rate	Cooling	H/M/L/SL	m³/min	7.7 / 6.1 / 4.7 / 3.8		8.1 / 6.5 / 4.9 / 4.1	
	Heating	H/M/L/SL	m³/min	9.0 / 7.9 / 6.7 / 5.4		9.6 / 8.2 / 6.7 / 5.9	
Sound Power	Cooling	High	dBA	56.0		57.0	
	Heating	High	dBA	56.0		57.0	
Sound Pressure	Cooling	H/M/L/SL	dBA	38.0 / 32.0 / 25.0 / 22.0		39.0 / 33.0 / 26.0 / 23.0	
	Heating	H/M/L/SL	dBA	38.0 / 33.0 / 28.0 / 25.0		39.0 / 34.0 / 29.0 / 29.0	
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			

Outdoor Unit				RXG25E2V1B	RXG35E2V1B
Dimensions	(Height x Width x Depth)		mm	550x765x285	
Weight			kg	32	
Sound pressure level	Cooling	H	dBA	46	47
	Heating	H	dBA	47	48
Sound power level	Cooling	H	dBA	61	62
Operation Range	Cooling	Min~Max	°CDB	10.0~46.0	
	Heating	Min~Max	°CWB	-15~20	-15~20
Refrigerant			Type	R-410A	
Power Supply				1~/230V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.5 / 18	
Piping Length (Maximum)			m	20	
Max Installation Height Difference			m	15.0	

INVERTER

FTXS-G / RKS-G

Wall Mounted Unit

ARC452A3

FTXS-G

RKS 20-42 G

RKS50G

- **Unified Fan coil unit:** for Cooling Only and Heat Pump applications during installation, a dip switch on the remote controller can be set to indicate whether the fancoil is connected to a Heat Pump or Cooling Only system.
- **2-area intelligent eye:** air flow is sent to a zone other than where the person is located at that moment. If two people are detected in the room, the air flow is projected away from the occupants. If no people are detected, the unit will automatically switch over to the energy-efficient setting.
- **Wireless remote controller:** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 4 different actions per day possible.
- **Comfort Mode:** guarantees draught free operation. When it cools, the flap is positioned horizontally to prevent cold air flow from being blown directly onto the body. When it heats, the flap turns vertically downwards to take the warm air to the bottom of the room.
- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original 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.
- 3D air flow
- Dual air discharge flow for better air distribution
- Consumes up to 30% less energy than non inverter units
- ECONO mode decreases power consumption so that other appliances that need large power supply can be used
- Indoor / outdoor unit silent operation
- Reaches set temperature quickly
- Titanium apatite photocatalytic air purification filter absorbs microscopic particles, decomposes odours and even deactivates bacteria and viruses
- Connection to multi outdoor possible

COOLING ONLY				INVERTER				
Indoor Units				**FTXS20G**	**FTXS25G**	**FTXS35G**	**FTXS42G**	**FTXS50G**
Nominal Capacity	Cooling capacity	Minimum	kW	1.3	1.3	1.4	1.7	1.7
		Standard	kW	2.0	2.5	3.5	4.2	5.0
		Maximum	kW	2.8	3.2	4.0	5.0	5.3
EER	Nominal			4.26	4.55	4.02	3.44	3.29
Annual energy consumption			kWh	235	275	435	610	760
Energy Label	cooling			A				
Dimensions	(Height x Width x Depth)		mm	295x800x215				
Weight			kg	9.0		10		
Air Flow Rate	Cooling	H/M/L/SL	m³/min	9.4 / 7.4 / 5.5 / 4.0	9.1 / 7.1 / 5.2 / 3.7	10.4 / 7.7 / 4.8 / 3.5	9.1 / 7.7 / 6.3 / 5.4	10.2 / 8.6 / 7.0 / 6.0
Sound Power	Cooling	High	dBA	54		58		59
Sound Pressure	Cooling	H/L/SL	dBA	38 / 25 / 22		42 / 26 / 23	42 / 33 / 30	43 / 34 / 31
Refrigerant			Type	R-410A				
Power Supply				1~/220-230-240V/50Hz				
Controller				ARC452A3				

Outdoor Unit				**RKS20G**	**RKS25G**	**RKS35G**	**RKS42G**	**RKS50G**
Dimensions	(Height x Width x Depth)		mm	550x765x285				735x825x300
Weight			kg	32	34		39	48
Sound pressure level		H / L	dBA	46 / 43		47 / 44	48 / 44	
Sound power level		H	dBA	61		63		61
Operation Range	Cooling	Min~Max	°CDB	-10~46				
Refrigerant			Type	R-410A				
Power Supply				1~/220-240V/50Hz				
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.5 / 18				6.35 / 12.7 / 18
Piping Length (Maximum)			m	20				30
Max Installation Height Difference			m	15				20

INVERTER

FTXS-G / RXS-G

Wall Mounted Unit

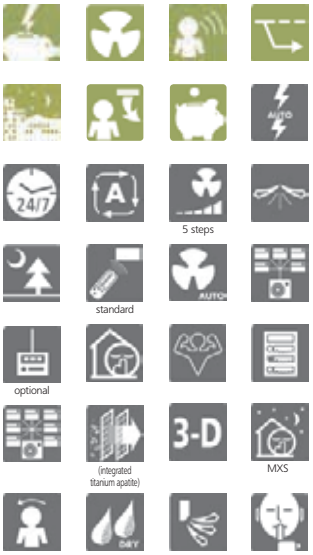
ARC452A3

FTXS-G

RKS 20-42 G

RXS50G

- **Unified Fan coil unit:** for Cooling Only and Heat Pump applications during installation, a dip switch on the remote controller can be set to indicate whether the fancoil is connected to a Heat Pump or Cooling Only system.
- **2-area intelligent eye:** air flow is sent to a zone other than where the person is located at that moment. If two people are detected in the room, the air flow is projected away from the occupants. If no people are detected, the unit will automatically switch over to the energy-efficient setting.
- **Wireless remote controller:** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 4 different actions per day possible.
- **Comfort Mode:** guarantees draught free operation. When it cools, the flap is positioned horizontally to prevent cold air flow from being blown directly onto the body. When it heats, the flap turns vertically downwards to take the warm air to the bottom of the room.
- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original 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.
- 3D air flow
- Dual air discharge flow for better air distribution
- Consumes up to 30% less energy than non inverter units
- ECONO mode decreases power consumption so that other appliances that need large power supply can be used
- Indoor / outdoor unit silent operation
- Reaches set temperature quickly
- Titanium apatite photocatalytic air purification filter absorbs microscopic particles, decomposes odours and even deactivates bacteria and viruses
- Connection to multi outdoor possible



HEAT PUMP				INVERTER				
Indoor Units				**FTXS20G**	**FTXS25G**	**FTXS35G**	**FTXS42G**	**FTXS50G**
Nominal Capacity	Cooling capacity	Minimum	kW	1.3		1.4	1.7	
		Standard	kW	2.0	2.5	3.5	4.2	5.0
		Maximum	kW	2.8	3.2	4.0	5.0	5.3
	Heating capacity	Minimum	kW	1.3	1.3	1.4	1.7	1.7
		Standard	kW	2.7	3.4	4.0	5.4	5.8
		Maximum	kW	4.3	4.7	5.2	6.0	6.5
EER / COP	Cooling / Heating			4.26 / 4.25	4.55 / 4.53	4.02 / 4.17	3.44 / 3.67	3.29 / 3.69
Annual energy consumption			kWh	235	275	435	610	760
Energy Label	cooling / heating			A / A				
Dimensions	(Height x Width x Depth)		mm	295x800x215				
Weight			kg	9.0		10		
Air Flow Rate	Cooling	H/M/L/SL	m³/min	9.4 / 7.4 / 5.5 / 4.0	9.1 / 7.1 / 5.2 / 3.7	10.4 / 7.7 / 4.8 / 3.5	9.1 / 7.7 / 6.3 / 5.4	10.2 / 8.6 / 7.0 / 6.0
	Heating	H/M/L/SL	m³/min	9.9 / 8.2 / 6.5 / 5.5	9.8 / 7.9 / 6.2 / 5.2	10.6 / 8.5 / 6.4 / 5.4	11.2 / 9.4 / 7.7 / 6.8	11.0 / 9.3 / 7.6 / 6.7
Sound Power	Cooling	High	dBA	54		58		59
	Heating	High	dBA	56		57	58	60
Sound Pressure	Cooling	H/L/SL	dBA	38 / 25 / 22		42 / 26 / 23	42 / 33 / 30	43 / 34 / 31
	Heating	H/L/SL	dBA	38 / 28 / 25	39 / 28 / 25	42 / 29 / 26	42 / 33 / 30	44 / 34 / 31
Refrigerant			Type	R-410A				
Power Supply				1~/220-230-240V/50Hz				
Controller				ARC452A3				

Outdoor Unit				**RXS20G**	**RXS25G**	**RXS35G**	**RXS42G**	**RXS50G**
Dimensions	(Height x Width x Depth)		mm	550x765x285				735x825x300
Weight			kg	32	34		39	48
Sound Pressure level	Cooling	H/L	dBA	46 / 43		48 / 44		
	Heating	H/L	dBA	47 / 44		48 / 45		
Sound Power	Cooling		dBA	61		63		62
Operation Range	Cooling	Min~Max	°CDB	-10~46				
	Heating	Min~Max	°CWB	-15~20				-15~18
Refrigerant			Type	R-410A				
Power Supply				1~/220-240V/50Hz				
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.5 / 18				6.35 / 12.7 / 18
Piping Length (Maximum)			m	20				30
Max Installation Height Difference			m	15				20

INVERTER

FTKS-F / RKS-F

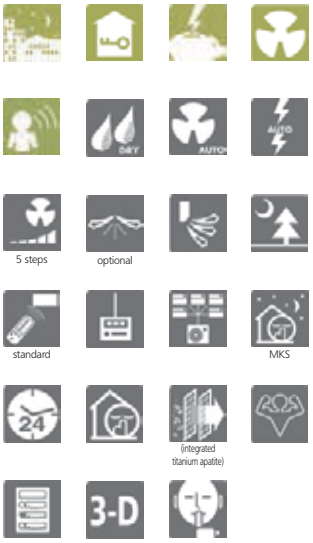
Wall Mounted Unit

ARC433B71

FTKS-F

RKS60F

- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **Night set mode:** if the timer is switched on, the air conditioner will automatically set the temperature – an increase of 0.5°C when cooling and a decrease of 2°C when heating – to prevent the room from rapidly cooling or heating for more comfort during sleeping.
- Movement sensor saves power consumption in unoccupied rooms
- Dual air discharge flow for better air distribution
- Titanium apatite photocatalytic air purification filter
- Indoor / outdoor unit silent operation
- Night quiet mode (only in multi application and cooling only mode)
- Connection to multi outdoor possible



COOLING ONLY				INVERTER	
Indoor Units				**FTKS60FV1B**	**FTKS71FV1B**
Nominal Capacity	Cooling capacity	Minimum	kW	1.7	2.3
		Standard	kW	6.0	7.1
		Maximum	kW	6.7	8.5
EER	Nominal			3.02	3.02
Annual energy consumption			kWh	995	1175
Energy Label	cooling			B	B
Dimensions	(Height x Width x Depth)		mm	290x1050x238	290x1050x238
Weight			kg	12	12
Air Flow Rate	Cooling	H/M/L/SL	m^3/min	16.2 / 13.6 / 11.4 / 10.2	17.4 / 14.6 / 11.6 / 10.6
Sound Power	Cooling	Medium	dBA	61	62
Sound Pressure	Cooling	H/M/L/SL	dBA	45 / 41 / 36 / 33	46 / 42 / 37 / 34
Refrigerant			Type	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz

Outdoor Unit				**RKS60F2V1B**	**RKS71FV1B**
Dimensions	(Height x Width x Depth)		mm	735x825x300	770x900x320
Weight			kg	47	71
Sound pressure level		H/SL	dBA	49 / 46	52 / 49
Sound power level		H	dBA	63	66
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46
Refrigerant			Type	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 12.7 / 18	6.35 / 15.9 / 18
Piping Length (Maximum)			m	30	30
Max Installation Height Difference			m	20	20

INVERTER

FTXS-F / RXS-F

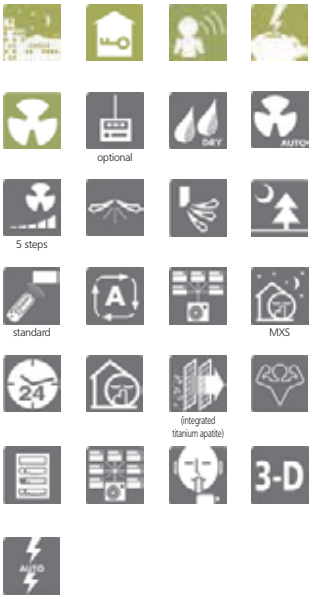
Wall Mounted Unit

ARC433B70

FTXS-F

RXS60F

- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **Night set mode:** if the timer is switched on, the air conditioner will automatically set the temperature – an increase of 0.5°C when cooling and a decrease of 2°C when heating – to prevent the room from rapidly cooling or heating for more comfort during sleeping.
- Movement sensor saves power consumption in unoccupied rooms
- Dual air discharge flow for better air distribution
- Titanium apatite photocatalytic air purification filter
- Indoor / outdoor unit silent operation
- Night quiet mode (only in multi application and cooling only mode)
- Connection to multi outdoor possible



HEAT PUMP				INVERTER	
Indoor Units				**FTXS60FV1B**	**FTXS71FV1B**
Nominal Capacity	Cooling capacity	Minimum	kW	1.7	2.3
		Standard	kW	6.0	7.1
		Maximum	kW	6.7	8.5
	Heating capacity	Minimum	kW	1.7	2.3
		Standard	kW	7.0	8.2
		Maximum	kW	8.0	10.2
EER / COP	Cooling / Heating			3.02 / 3.43	3.02 / 3.22
Annual energy consumption			kWh	995	1175
Energy Label	cooling / heating			B / B	B / C
Dimensions	(Height x Width x Depth)		mm	290x1050x238	290x1050x238
Weight			kg	12	12
Air Flow Rate	Cooling	H/M/L/SL	m³/min	16.2 / 13.6 / 11.4 / 10.2	17.4 / 14.6 / 11.6 / 10.6
	Heating	H/M/L/SL	m³/min	17.4 / 15.1 / 12.7 / 11.4	19.7 / 16.9 / 14.3 / 12.7
Sound Power	Cooling	Medium	dBA	61	62
	Heating	Medium	dBA	60	62
Sound Pressure	Cooling	H/M/L/SL	dBA	45 / 41 / 36 / 33	46 / 42 / 37 / 34
	Heating	H/M/L/SL	dBA	44 / 40 / 35 / 32	46 / 42 / 37 / 34
Refrigerant			Type	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz

Outdoor Unit				**RXS60F2V1B**	**RXS71FV1B**
Dimensions	(Height x Width x Depth)		mm	735x825x300	770x900x320
Weight			kg	48	71
Sound pressure level	Cooling	H/SL	dBA	49 / 46	52 / 49
	Heating	H/SL	dBA	49 / 46	52 / 49
Sound power level	Cooling	H	dBA	63	66
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~18	-15~18
Refrigerant			Type	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 12.7 / 18	6.35 / 15.9 / 18
Piping Length (Maximum)			m	30	30
Max Installation Height Difference			m	20	20

INVERTER

FTX-GV / RX-GV

Wall Mounted Unit

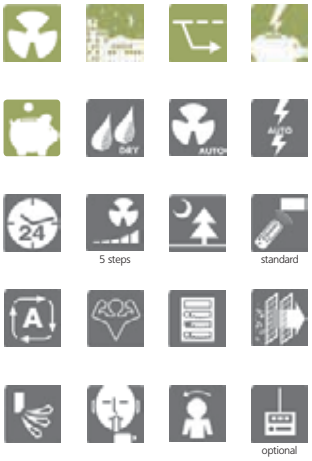
ARC433A89

FTX-GV

RX-GV

A Energy label: class A

- Consumes up to 30% less energy than non inverter units
- Dual air discharge flow for better air distribution
- ECONO mode decreases power consumption so that other appliances that need large power supply can be used
- Indoor unit On/Off switch
- Indoor unit silent operation
- Titanium apatite photocatalytic air purification filter
- Anticorrosion treatment of outdoor heat exchanger fin
- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original 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.
- **Comfort Mode:** guarantees draught free operation. When it cools, the flap is positioned horizontally to prevent cold air flow from being blown directly onto the body. When it heats, the flap turns vertically downwards to take the warm air to the bottom of the room.



HEAT PUMP				INVERTER		
Indoor Units				**FTX20GV1B**	**FTX25GV1B**	**FTX35GV1B**
Capacity	Cooling capacity	Minimum	kW	1.3		
		Standard	kW	2.0	2.5	3.2
		Maximum	kW	2.6	3.0	3.8
	Heating capacity	Minimum	kW	1.3		
		Standard	kW	2.5	2.8	3.4
		Maximum	kW	3.5	4.0	4.8
EER / COP	Cooling / Heating			3.62 / 3.90	3.38 / 3.68	3.37 / 3.74
Annual energy consumption			kWh	275	370	470
Energy Label	cooling / heating			A / A		
Dimensions	(Height x Width x Depth)		mm	283x770x198		
Weight			kg	7		
Air Flow Rate	Cooling	H/M/L/SL	m^3/min	9.1 / 7.4 / 5.9 / 4.7	9.2 / 7.6 / 6.0 / 4.8	9.3 / 7.7 / 6.1 / 4.9
	Heating	H/M/L/SL	m^3/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
Sound Power	Cooling	High	dBA	55	56	57
	Heating	High	dBA	55	56	57
Sound Pressure	Cooling	H/M/L/SL	dBA	39 / 33 / 25 / 22	40 / 33 / 26 / 22	41 / 34 / 27 / 23
	Heating	H/M/L/SL	dBA	39 / 34 / 28 / 25	40 / 34 / 28 / 25	41 / 35 / 29 / 26
Refrigerant			Type	R-410A		
Power Supply				1~/220-230-240V/50Hz		

Outdoor Unit				**RX20GV1B**	**RX25GV1B**	**RX35GV1B**
Dimensions	(Height x Width x Depth)		mm	550x658x275		
Weight			kg	28		30
Operation Range	Cooling	Min~Max	°CDB	10~46		
	Heating	Min~Max	°CWB	-15~20		
Sound Power		Cooling	dBA	60		62
Sound Pressure (High)		Cooling	dBA	46		48
		Heating	dBA	47		48
Refrigerant			Type	R-410A		
Power Supply				1~/220-230-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.52 / 18		
Piping Length (Maximum)			m	15		
Max Installation Height Difference			m	12		

FAQ-B / RZQS-D

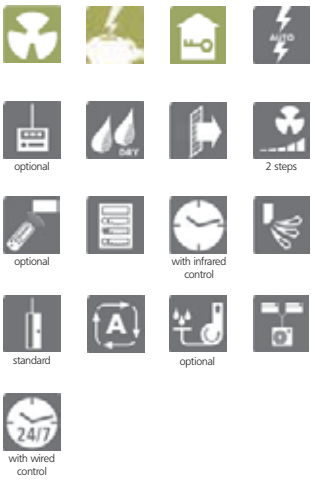
Wall Mounted Unit

BRC1D52 BRC7E618 BRC7C510

FAQ71B

RZQS71D

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Auto-swing function ensures efficient air distribution via louvers that close automatically when the unit is switched off
- Automatic movable louver can be fixed at any desired angle
- All maintenance operations can be carried out from the front of the unit
- Suitable for Twin, Triple and Double Twin applications



HEAT PUMP				COMFORT INVERTER	
Indoor Units				**FAQ71B**	**FAQ100B**
Capacity	Cooling capacity	Standard	kW	7.1	10.0
	Heating capacity	Standard	kW	8.0	11.2
EER / COP	Cooling / Heating			2.91 / 3.21	2.81 / 3.21
Annual energy consumption			kWh	1,220	1,779
Energy Label	cooling / heating			C / C	
Dimensions	(Height x Width x Depth)		mm	290x1050x230	360x1570x200
Weight			kg	13.0	26.0
Air Flow Rate	Cooling	High/Low	m³/min	19.0 / 15.0	23.0 / 19.0
	Heating	High/Low	m³/min	19.0 / 15.0	23.0 / 19.0
Sound Power	Cooling	High/Low	dBA	59.0 / 53.0	61.0 / 57.0
	Heating	High/Low	dBA	59.0 / 53.0	61.0 / 57.0
Sound Pressure	Cooling	High/Low	dBA	43.0 / 37.0	45.0 / 41.0
	Heating	High/Low	dBA	43.0 / 37.0	45.0 / 41.0
Refrigerant			Type	R-410A	
Power Supply				220-240V/50Hz	
Controller		Wired/Wireless		BRC1D52 (Standard) / BRC7E618 (Optional)	BRC1D52 (Standard) / BRC7C510 (Optional)

Outdoor Unit				RZQS71DV1	RZQS100DV1
Dimensions	(Height x Width x Depth)		mm	770x900x320	1170x900x320
Weight			kg	68	103
Operation Range	Cooling	Min~Max	°CDB	-5~46	
	Heating	Min~Max	°CWB	-15~15.5	
Sound Power		Cooling	dBA	65	67
Sound Pressure (Standard)		Cooling	dBA	49	51
		Heating	dBA	51	55
Sound Level (Night quiet)		Sound Pressure	dBA	47	49
Refrigerant			Type	R-410A	
Power Supply				220-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26	
Piping Length (Maximum)			m	30	50
Max. internunit level difference			m	0.5	
Max Installation Height Difference			m	15	30

FAQ-B / RZQ-D/BW1

Wall Mounted Unit


BRC1D52

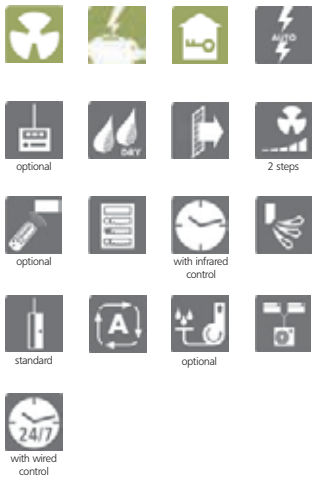

BRC7E618
BRC7C510


FAQ71B


RZQ71D


RZQ100D

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 Actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Auto-swing function ensures efficient air distribution via louvers that close automatically when the unit is switched off
- Automatic movable louver can be fixed at any desired angle
- All maintenance operations can be carried out from the front of the unit
- Suitable for Twin, Triple and Double Twin applications
- Comms, computer and server room cooling possible with EDP setting.
- Re-use of existing R22 and R407C piping possible. (See R22 Replacement leaflet)



HEAT PUMP				SUPER INVERTER		
Indoor Units				**FAQ71B**	**FAQ100B**	
Capacity	Cooling capacity	Standard	kW	7.1	10	
	Heating capacity	Standard	kW	8.0	11.2	
EER / COP	Cooling / Heating			3.11 / 3.43	3.04 / 3.49	3.6 / 3.3
Annual energy consumption			kWh	1141	1645	1390
Energy Label	cooling / heating			B / B		A / C
Dimensions	(Height x Width x Depth)		mm	290x1050x230	360x1570x200	
Weight			kg	13.0	26.0	
Air Flow Rate	Cooling	High/Low	m³/min	19.0 / 15.0	23.0 / 19.0	
	Heating	High/Low	m³/min	19.0 / 15.0	23.0 / 19.0	
Sound Power	Cooling	High/Low	dBA	59.0 / 53.0	61.0 / 57.0	
	Heating	High/Low	dBA	59.0 / 53.0	61.0 / 57.0	
Sound Pressure	Cooling	High/Low	dBA	43.0 / 37.0	45.0 / 41.0	
	Heating	High/Low	dBA	43.0 / 37.0	45.0 / 41.0	
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Controller		Wired/Wireless		BRC1D52 (Standard) / BRC7E618 (Optional)	BRC1D52 (Standard) / BRC7C510 (Optional)	

Outdoor Unit				RZQ71DV1	RZQ100DV1	RZQ100BW1
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320	
Weight			kg	67	108	106
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0		
	Heating	Min~Max	°CWB	-20.0~15.5		
Sound Power		Cooling	dBA	64	65	
Sound Pressure (Standard)		Cooling	dBA	48	50	
		Heating	dBA	50	52	
Sound Level (Night quiet)		Sound Pressure	dBA	43	45	
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26		
Piping Length (Maximum)			m	50	75	
Max. internunit level difference			m	0.5		
Max Installation Height Difference			m	30		

FAQ-B / REQ-B
Wall Mounted Unit

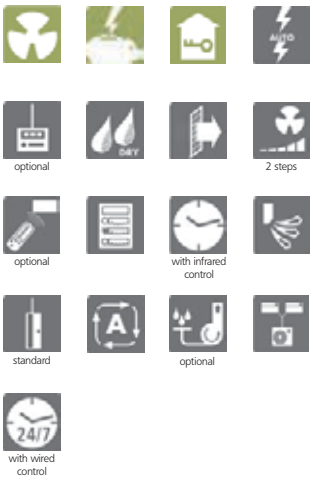
BRC1D52

BRC7E618
BRC7C510

FAQ71B

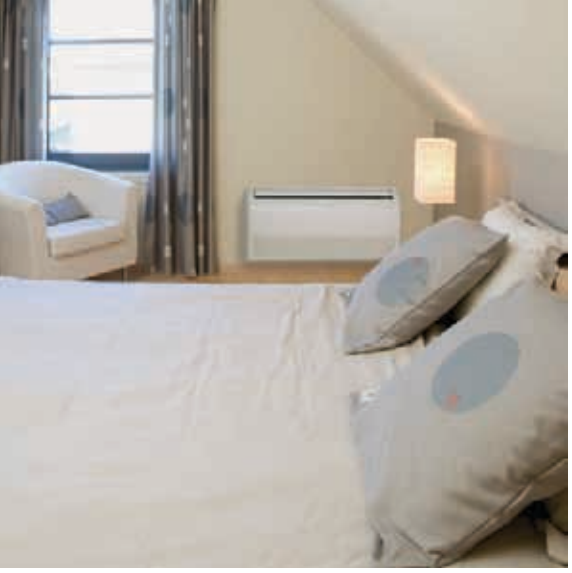
REQ71B

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Auto-swing function ensures efficient air distribution via louvers that close automatically when the unit is switched off
- Automatic movable louver can be fixed at any desired angle
- All maintenance operations can be carried out from the front of the unit
- Suitable for Twin, Triple and Double Twin applications



HEAT PUMP				NON-INVERTER	
Indoor Units				**FAQ71BVV1B**	**FAQ100BVV1B**
Capacity	Cooling capacity	Standard	kW	7.10	10.0
	Heating capacity	Standard	kW	8.0	11.2
Annual energy consumption			kWh	-	-
EER / COP	Cooling / Heating			-	-
Energy Label	cooling / heating			-	-
Dimensions	(Height x Width x Depth)		mm	290x1050x230	360x1570x200
Weight			kg	13.0	26.0
Air Flow Rate	Cooling	High/Low	m³/min	19.0 / 15.0	23.0 / 19.0
	Heating	High/Low	m³/min	19.0 / 15.0	23.0 / 19.0
Sound Power	Cooling	High/Low	dBA	59.0 / 53.0	61.0 / 57.0
Sound Pressure	Cooling	High/Low	dBA	43.0 / 37.0	45.0 / 41.0
	Heating	High/Low	dBA	43.0 / 37.0	45.0 / 41.0
Refrigerant			Type	R-410A	
Power Supply				1~/220-240V/50Hz	

Outdoor Unit				**REQ71B8V3B**	**REQ71B8W1B**	**REQ100B8V3B**	**REQ100B8W1B**
Dimensions	(Height x Width x Depth)		mm	770x900x320		1170x900x320	
Weight			kg	83		102	100
Operation Range	Cooling	Min~Max	°CDB	10.0~46.0			
	Heating	Min~Max	°CWB	-10~15			
Sound Level (nominal)	Sound Power	Cooling	dBA	65.0		70.0	
	Sound Pressure	Cooling	dBA	53.0		57.0	
Refrigerant			Type	R-410A			
Power Supply				1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz	3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26			
Piping Length (Maximum)			m	50			
Max Installation Height Difference			m	30			



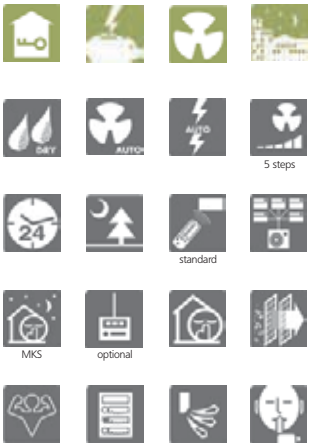
INVERTER

FLKS-B / RKS-G

Flexi Type Unit

ARC433A6 FLKS-B RKS25,35G

- This flexi type unit allows both ceiling suspended and floor level installation.
- Low height enables it to fit beneath a window
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original setting.
- **Night set mode:** if the timer is switched on, the air conditioner will automatically set the temperature – an increase of 0.5°C when cooling and a decrease of 2°C when heating – to prevent the room from rapidly cooling or heating for more comfort during sleeping.
- Consumes up to 30% less energy than non inverter units
- Reaches set temperature more quickly
- Auto-swing function ensures efficient air and temperature distribution.
- Air purification filter
- Indoor / outdoor unit silent operation
- Connection to multi outdoor possible



COOLING ONLY				INVERTER		
Indoor Units				**FLKS25BAVMB**	**FLKS35BAVMB**	**FLKS50BAVMB**
Capacity	Cooling capacity	Minimum	kW	1.2	1.2	0.9
		Standard	kW	2.5	3.5	4.9
		Maximum	kW	3.0	3.8	5.3
EER	Nominal			3.85	3.70	2.85
Annual energy consumption			kWh	325	565	860
Energy Label	cooling			A	B	C
Dimensions	(Height x Width x Depth)		mm	490x1050x200	490x1050x200	490x1050x200
Weight			kg	16.0	16.0	17.0
Air Flow Rate	Cooling	H/M/L/SL	m³/min	7.60 / 6.80 / 6.00 / 5.2	8.60 / 7.60 / 6.6 / 5.6	11.40 / 10.00 / 8.50 / 7.5
Sound Power	Cooling	High	dBA	53.0	54.0	63.0
Sound Pressure	Cooling	H/M/L/SL	dBA	37.0 / 34.0 / 31.0 / 28.0	38.0 / 35.0 / 32.0 / 29.0	47.0 / 43.0 / 39.0 / 36.0
Refrigerant			Type	R-410A	R-410A	R-410A
Power Supply				1~/220-240/220-230V/50/60Hz	1~/220-240/220-230V/50/60Hz	1~/220-240/220-230V/50/60Hz

Outdoor Unit				**RKS25G2V1B**	**RKS35G2V1B**	**RKS50G2V1B**
Dimensions	(Height x Width x Depth)		mm	550x765x285	550x765x285	735x825x300
Weight			kg	34	34	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
Sound Power		Cooling	dBA	61	63	62
Sound Pressure (Low)		Cooling	dBA	43	44	44
Sound Pressure (High)		Cooling	dBA	46	48	48
Refrigerant			Type	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas		mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
Piping Length (Maximum)			m	20	20	30
Max Installation Height Difference			m	15	15	20

INVERTER

FLXS-B / RXS-G

Flexi Type Unit

ARC433A5 FLXS-B RXS25,35G

- This flexi type unit allows both ceiling suspended and floor level installation.
- Low height enables it to fit beneath a window
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original setting.
- **Night set mode:** if the timer is switched on, the air conditioner will automatically set the temperature – an increase of 0.5°C when cooling and a decrease of 2°C when heating – to prevent the room from rapidly cooling or heating for more comfort during sleeping.
- Consumes up to 30% less energy than non inverter units
- Reaches set temperature more quickly
- Auto-swing function ensures efficient air and temperature distribution.
- Air purification filter
- Indoor / outdoor unit silent operation
- Connection to multi outdoor possible

HEAT PUMP				INVERTER		
Indoor Units				**FLXS25BAVMB**	**FLXS35BAVMB**	**FLXS50BAVMB**
Capacity	Cooling capacity	Minimum	kW	1.2	1.2	0.9
		Standard	kW	2.5	3.5	4.9
		Maximum	kW	3.0	3.8	5.3
	Heating capacity	Minimum	kW	1.2	1.2	0.9
		Standard	kW	3.4	4.0	6.1
		Maximum	kW	4.5	5.0	7.5
EER / COP	Cooling / Heating			3.85 / 3.47	3.10 / 3.25	2.85 / 3.35
Annual energy consumption			kWh	325	565	860
Energy Label	cooling / heating			A / B	B / C	C / C
Dimensions	(Height x Width x Depth)		mm	490x1050x200	490x1050x200	490x1050x200
Weight			kg	16.0	16.0	17.0
Air Flow Rate	Cooling	H/M/L/SL	m^3/min	7.60 / 6.80 / 6.00 / 5.2	8.60 / 7.60 / 6.60 / 5.6	11.40 / 10.00 / 8.50 / 7.6
	Heating	H/M/L/SL	m^3/min	9.20 / 8.30 / 7.40 / 6.6	9.80 / 8.90 / 8.00 / 7.2	12.1 / 9.8 / 7.5 / 6.8
Sound Power	Cooling	High	dBA	53.0	54.0	63.0
	Heating	High	dBA	-	-	62.0
Sound Pressure	Cooling	H/M/L/SL	dBA	37.0 / 34.0 / 31.0 / 28.0	38.0 / 35.0 / 32.0 / 29.0	47.0 / 43.0 / 39.0 / 36.0
	Heating	H/M/L/SL	dBA	37.0 / 34.0 / 31.0 / 29.0	39.0 / 36.0 / 33.0 / 30.0	46.0 / 41.0 / 35.0 / 33.0
Refrigerant			Type	R-410A	R-410A	R-410A
Power Supply				1~/220-240/220-230V/50/60Hz	1~/220-240/220-230V/50/60Hz	1~/220-240/220-230V/50/60Hz

Outdoor Unit				**RXS25G2V1B**	**RXS35G2V1B**	**RXS50G2V1B**
Dimensions	(Height x Width x Depth)		mm	550x765x285	550x765x285	735x825x300
Weight			kg	34	34	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~20	-15~20	-15~18
Sound Power		Cooling	dBA	61	63	62
Sound Pressure (Low)		Cooling	dBA	43	44	44
		Heating	dBA	44	45	45
Sound Pressure (High)		Cooling	dBA	46	48	48
		Heating	dBA	47	48	48
Refrigerant			Type	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas		mm	6.35/9.52/18	6.35/9.52/18	6.35/12.7/18
Piping Length (Maximum)			m	20	20	30
Max Installation Height Difference			m	15	15	20

INVERTER

FVXS-F / RKS-G

Floor Standing Unit

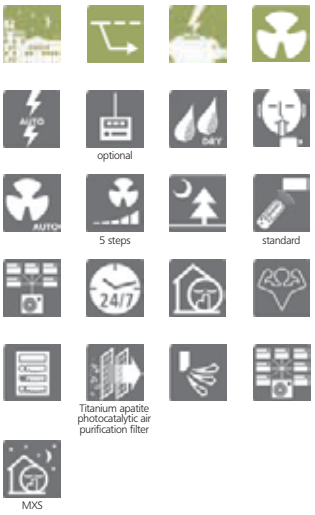
ARC452A1

FVXS-F

RKS25,35G

- **Unified Fan coil unit:** for Cooling Only and Heat Pump applications during installation, a dip switch on the remote controller can be set to indicate whether the fancoil is connected to a Heat Pump or Cooling Only system.

- **Wireless remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 4 actions per day possible



- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- Different levels of user access can be selected.
- Titanium apatite photocatalytic air purification filter
- Can be installed against a wall or recessed
- Dual air discharge flow for better air distribution
- ECONO mode decreases power consumption so that other appliances that need large power supply can be used
- Lightweight but sturdy design
- Connection to multi outdoor possible

COOLING ONLY				INVERTER		
Indoor Units				**FVXS25F**	**FVXS35F**	**FVXS50F**
Capacity	Cooling capacity	Minimum	kW	1.3	1.4	1.4
		Standard	kW	2.5	3.5	5.0
		Maximum	kW	3.0	3.8	5.6
EER	Nominal			4.39	3.43	3.23
Annual energy consumption			kWh	285	510	775
Energy Label	cooling			A	A	A
Dimensions	(Height x Width x Depth)		mm	600x700x210	600x700x210	600x700x210
Weight			kg	14	14	14
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.2 / 6.5 / 4.8 / 4.1	8.5 / 6.7 / 4.9 / 4.A5	10.7 / 9.2 / 7.8 / 6.6
Sound Power	Cooling	High	dBA	54	55	56
Sound Pressure	Cooling	High	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	44 / 40 / 36 / 32
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Controller				ARC452A1		

Outdoor Unit				**RKS25G**	**RKS35G**	**RKS50G**
Dimensions	(Height x Width x Depth)		mm	550x765x285	550x765x285	735x825x300
Weight			kg	34	34	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
Sound Power		Cooling	dBA	61	63	62
Sound Pressure (Low)		Cooling	dBA	43	44	44
Sound Pressure (High)		Cooling	dBA	46	48	48
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas		mm	6.35 / 9.52		6.35 / 12.7
Piping Length (Maximum)			m	20		30
Max Installation Height Difference			m	15		20

INVERTER

FVXS-F / RXS-G

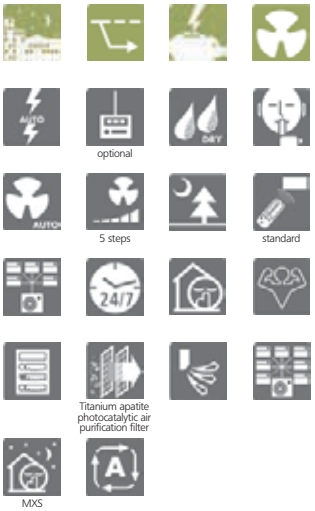
Floor Standing Unit

ARC452A1

FVXS-F

RXS25,35G

- **Unified Fan coil unit:** for Cooling Only and Heat Pump applications during installation, a dip switch on the remote controller can be set to indicate whether the fancoil is connected to a Heat Pump or Cooling Only system.
- **Wireless remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 4 actions per day possible
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- Different levels of user access can be selected.
- Titanium apatite photocatalytic air purification filter
- Can be installed against a wall or recessed
- Dual air discharge flow for better air distribution
- ECONO mode decreases power consumption so that other appliances that need large power supply can be used
- Lightweight but sturdy design
- Connection to multi outdoor possible



HEAT PUMP				INVERTER		
Indoor Units				**FVXS25F**	**FVXS35F**	**FVXS50F**
Capacity	Cooling capacity	Minimum	kW	1.3	1.4	1.4
		Standard	kW	2.5	3.5	5.0
		Maximum	kW	3.0	3.8	5.6
	Heating capacity	Minimum	kW	1.3	1.4	1.4
		Standard	kW	3.4	4.5	5.8
		Maximum	kW	4.5	5.0	8.1
EER / COP	Cooling / Heating			4.39 / 4.30	3.43 / 3.69	3.23 / 3.63
Annual energy consumption			kWh	285	510	775
Energy Label	cooling / heating			A / A	A / A	A / A
Dimensions	(Height x Width x Depth)		mm	600x700x210	600x700x210	600x700x210
Weight			kg	14	14	14
Air Flow Rate	Cooling	H/M/L/SL	m^3/min	8.2 / 6.5 / 4.8 / 4.1	8.5 / 6.7 / 4.9 / 4.5	10.7 / 9.2 / 7.8 / 6.6
	Heating	H/M/L/SL	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	Cooling	High	dBA	54	55	56
	Heating	High	dBA	54	55	57
Sound Pressure	Cooling	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	44 / 40 / 36 / 32
	Heating	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	45 / 40 / 36 / 32
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Controller				ARC452A1		

Outdoor Unit				**RXS25G**	**RXS35G**	**RXS50G**
Dimensions	(Height x Width x Depth)		mm	550x765x285	550x765x285	735x825x300
Weight			kg	34	34	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~20	-15~20	-15~18
Sound Power		Cooling	dBA	61	63	62
Sound Pressure (Low)		Cooling	dBA	43	44	44
		Heating	dBA	44	45	45
Sound Pressure (High)		Cooling	dBA	46	48	48
		Heating	dBA	47	48	48
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas		mm	6.35/9.52/18		6.35/12.7/18
Piping Length (Maximum)			m	20		30
Max Installation Height Difference			m	15		20

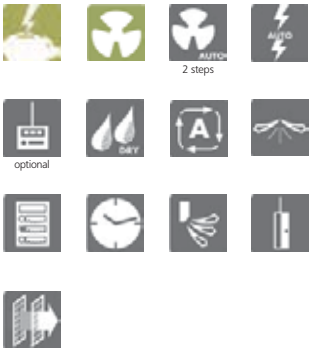
FVQ-B / RZQS-D

Floor Standing Unit

FVQ-B

RZQS100, 125D

- Ideal solution for areas without false ceilings, or with limited floor/wall space
- Very efficient for use in rooms with high ceilings
- Quiet operation: down to 35 dBA sound pressure level (71 class)
- Auto-swing function ensures efficient air and temperature distribution



HEAT PUMP				COMFORT INVERTER		
Indoor Units				**FVQ71B**	**FVQ100B**	**FVQ125B**
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.5
	Heating capacity	Standard	kW	8.0	11.2	14.0
EER / COP	Cooling / Heating			2.81 | 3.21	2.81 | 3.21	2.81 | 3.21
Annual energy consumption			kWh	1265	1779	2225
Energy Label	cooling / heating			C / C		
Dimensions	(Height x Width x Depth)		mm	1850x600x270	1850x600x350	1850x600x350
Weight			kg	39	46	47
Sound Power	Cooling	High/Low	dBA	54 / 48	60 / 54	62 / 56
	Heating	High/Low	dBA	54 / 48	60 / 54	62 / 56
Sound Pressure	Cooling	High/Low	dBA	42 / 36	48 / 42	50 / 44
	Heating	High/Low	dBA	42 / 36	48 / 42	50 / 44
Refrigerant			Type	R-410A		
Power Supply				220-240V/50Hz		
Controller				BRC1C61		

Outdoor Unit				**RZQS71DV1**	**RZQS100DV1**	**RZQS125DV1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1170x900x320	
Weight			kg	68	103	
Operation Range	Cooling	Min~Max	°CDB	-5~46		
	Heating	Min~Max	°CWB	-15~15.5		
Sound Power		Cooling	dBA	65	67	
Sound Pressure (Standard)		Cooling	dBA	49	51	
		Heating	dBA	51	55	53
Sound Level (Night quiet)		Sound Pressure	dBA	47	49	
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26		
Piping Length (Maximum)			m	30	50	
Max. internunit level difference			m	0.5		
Max installation height difference			m	15	30	

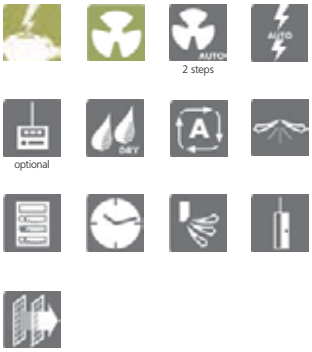
FVQ-B / RZQ-D/BW1

Floor Standing Unit

FVQ-B

RZQ100, 125D

- Ideal solution for areas without false ceilings, or with limited floor/wall space
- Very efficient for use in rooms with high ceilings
- Quiet operation: down to 35 dBA sound pressure level (71 class)
- Auto-swing function ensures efficient air and temperature distribution



HEAT PUMP				SUPER INVERTER		
Indoor Units				**FVQ71B**	**FVQ100B**	**FVQ125B**
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.5
	Heating capacity	Standard	kW	8.0	11.2	14.0
EER / COP	Cooling / Heating					
Annual energy consumption			kWh			
Energy Label	cooling / heating					
Dimensions	(Height x Width x Depth)		mm	1850x600x270	1850x600x350	1850x600x350
Weight			kg	39	46	47
Sound Power	Cooling	High/Low	dBA	54 / 48	60 / 54	62 / 56
	Heating	High/Low	dBA	54 / 48	60 / 54	62 / 56
Sound Pressure	Cooling	High/Low	dBA	42 / 36	48 / 42	50 / 44
	Heating	High/Low	dBA	42 / 36	48 / 42	50 / 44
Refrigerant			Type	R-410A		
Power Supply				220-240V/50Hz		
Controller				BRC1C61		

Outdoor Unit				**RZQ71DV1**	**RZQ100DV1**	**RZQ100BW1**	**RZQ125DV1**	**RZQ125BW1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320		1345x900x320	
Weight			kg	67	108	106	108	106
Sound pressure level	Cooling (Night quiet mode)		dBA	48 (43)	50 (45)	50 (45)	51 (45)	50 (45)
	Heating		dBA	50	52	52	53	52
Sound power level	Cooling		dBA	64	65		67	66
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0				
	Heating	Min~Max	°CWB	-20.0~15.5				
Refrigerant			Type	R-410A				
Power Supply				1~/230V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz	3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26				
Piping Length (Maximum)			m	50	75			
Max. interunit level difference			m	0.5				
Max Installation Height Difference			m	30				

INVERTER

FDKS-E/C / RKS-G/F

Slim Concealed Ceiling Unit

ARC433A8

FDKS-E

RKS25,35G

RKS50G,RKS60F

- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original setting.
- Compact dimensions, can easily be mounted in a ceiling void due to 200mm height
- Standard suction filter
- Outdoor unit quiet operation: "Quiet" buttons on the remote control lower the operation sound of the indoor and/or outdoor unit by 3dB(A)
- Night quiet mode (only in multi application and cooling only mode)
- Medium external static pressure facilitates unit use with flexible ducts of varying lengths
- Rear return or bare return air possible
- Optional discharge air flangers available
- Connection to multi outdoor possible

COOLING ONLY				INVERTER			
Indoor Units				**FDKS25E**	**FDKS35E**	**FDKS50C**	**FDKS60C**
Capacity	Cooling capacity	Minimum	kW	1.3	1.4	1.7	1.7
		Standard	kW	2.4	3.4	5.0	6.0
		Maximum	kW	3.0	3.8	5.3	6.5
EER	Nominal			3.48	3.12	3.03	2.82
Annual energy consumption			kWh	3.45	5.45	8.25	1065
Energy Label	cooling			A	B	B	C
Dimensions	(Height x Width x Depth)		mm	200x700x620	200x700x620	200x900x620	200x1100x620
Weight			kg	21.0	21.0	27.0	30.0
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.7 / 8.0 / 7.3 / 6.2	8.7 / 8.0 / 7.3 / 6.2	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
Sound Power	Cooling	High	dBA	53.0	53.0	55.0	56.0
Sound Pressure	Cooling	H/M/L/SL	dBA	35.0 / 33.0 / 31.0 / 29.0	35.0 / 33.0 / 31.0 / 29.0	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
External Static Pressure		High	Pa	30		40	
Refrigerant			Type	R-410A			
Power Supply				1~/220-240/220-230V/50/60Hz			
Controller				ARC433A8			

Outdoor Unit				**RKS25G**	**RKS35G**	**RKS50G**	**RKS60F**
Dimensions	(Height x Width x Depth)		mm	550x765x285	550x765x285	735x825x300	735x825x300
Weight			kg	34	34	48	47
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46	-10~46
Sound Power		Cooling	dBA	61	63	62	63
Sound Pressure (Low)		Cooling	dBA	43	44	44	46
Sound Pressure (High)		Cooling	dBA	46	48	48	49
ESP		High/Medium/Low	Pa	8.7 / 8 / 7.3		12 / 11 / 10	16 / 14.8 / 13.5
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas		mm	6.35 / 9.52		6.35 / 12.7	
Piping Length (Maximum)			m	20		30	
Max Installation Height Difference			m	15		20	

INVERTER

FDXS-E/C / RXS-G/F

Slim Concealed Ceiling Unit

ARC433A7

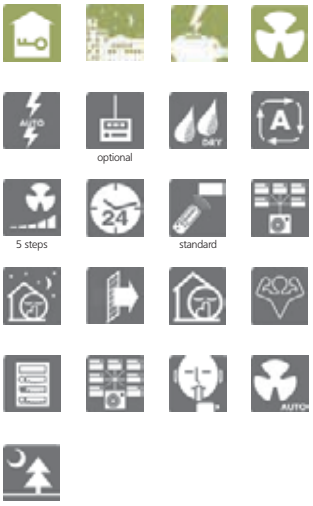
FDXS25,35E

RXS25,35G

RXS50G,RXS60F

- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.

- **Powerful operation:** activates the maximum air volume for 20 minutes. After this, the air conditioner automatically returns to its original setting.
- Compact dimensions, can easily be mounted in a ceiling void due to 200mm height
- Standard suction filter
- Outdoor unit quiet operation: "Quiet" buttons on the remote control lower the operation sound of the indoor and/or outdoor unit by 3dB(A)
- Night quiet mode (only in multi application and cooling only mode)
- Medium external static pressure facilitates unit use with flexible ducts of varying lengths
- Rear return or bare return air possible
- Optional discharge air flangers available
- Connection to multi outdoor possible



HEAT PUMP				INVERTER			
Indoor Units				**FDXS25E**	**FDXS35E**	**FDXS50C**	**FDXS60C**
Capacity	Cooling capacity	Minimum	kW	1.3	1.4	1.7	1.7
		Standard	kW	2.4	3.4	5.0	6.0
		Maximum	kW	3.0	3.8	5.3	6.5
	Heating capacity	Minimum	kW	1.3	1.4	1.7	1.7
		Standard	kW	3.2	4.0	5.8	7.0
		Maximum	kW	4.5	5.0	6.0	8.0
EER / COP	Cooling / Heating			3.48 / 3.52	3.12 / 3.39	3.03 / 3.02	2.82 / 3.02
Annual energy consumption			kWh	345	545	825	1065
Energy Label	cooling / heating			A / B	B / C	B / D	C / D
Dimensions	(Height x Width x Depth)		mm	200x700x620	200x700x620	200x900x620	200x1100x620
Weight			kg	21.0	21.0	27.0	30.0
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.7 / 8.0 / 7.3 / 6.2	8.7 / 8.0 / 7.3 / 6.2	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
	Heating	H/M/L/SL	m³/min	8.7 / 8.0 / 7.3 / 6.2	8.7 / 8.0 / 7.3 / 6.2	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
Sound Power	Cooling	High	dBA	53.0	53.0	55.0	56.0
	Heating	High	dBA	53.0	53.0	55.0	56.0
Sound Pressure	Cooling	H/M/L/SL	dBA	35.0 / 33.0 / 31.0 / 29.0	35.0 / 33.0 / 31.0 / 29.0	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
	Heating	H/M/L/SL	dBA	35.0 / 33.0 / 31.0 / 29.0	35.0 / 33.0 / 31.0 / 29.0	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
External Static Pressure		High	Pa	30		40	
Refrigerant			Type	R-410A			
Power Supply				1~/220-240/220-230V/50/60Hz	1~/220-240/220-230V/50/60Hz	1~/220-240/220-230V/50/60Hz	220-240/220-230V/50/60Hz
Controller				ARC433A7			

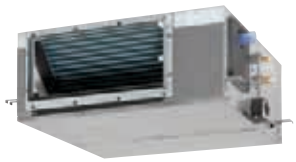
Outdoor Unit				**RXS25G**	**RXS35G**	**RXS50G**	**RXS60F**
Dimensions	(Height x Width x Depth)		mm	550x765x285	550x765x285	735x825x300	735x825x300
Weight			kg	34	34	48	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~20	-15~20	-15~18	-15~18
Sound Power		Cooling	dBA	61	63	62	63
Sound Pressure (Low)		Cooling	dBA	43	44	44	46
		Heating	dBA	44	45	45	46
Sound Pressure (High)		Cooling	dBA	46	48	48	49
		Heating	dBA	47	48	48	49
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas		mm	6.35 / 9.52 / 18		6.35 / 12.7 / 18	
Piping Length (Maximum)			m	20		30	
Max Installation Height Difference			m	15		20	

INVERTER

FBQ-C / RKS-G/F

Concealed Ceiling Unit

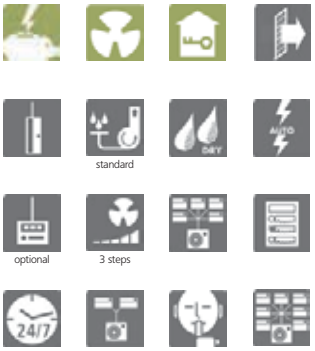
BRC1D52



FBQ35,50C

RKS35G

- Reduction in power consumption thanks to DC inverter fans
- Improved comfort thanks to 3-step air flow control
- Possibility to change ESP through wired remote control, allows optimisation of the supply air volume
- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Quiet operation
- Maximum external static pressure (ESP) is 100Pa
- Optional discharge and suction duct flangers available
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications



COOLING ONLY				INVERTER		
Indoor Units				**FBQ35C**	**FBQ50C**	**FBQ60C**
Capacity	Cooling capacity	Standard	kW	3.40	5.0	5.7
EER	Nominal			3.22	3.21	
Annual energy consumption			kWh	528	776	888
Energy Label	cooling			A		
Dimensions	(Height x Width x Depth)		mm	300x700x700		300x1000x700
Weight			kg	25		34
Air Flow Rate	Cooling	High/Low	m³/min	16 / 11		18 / 15
Sound Power	Cooling	High	dBA	63		57
Sound Pressure	Cooling	High/Low	dBA	37 / 29		
External Static Pressure		High/Medium/Low	Pa	70 / 30 / 30	100 / 30 / 30	
Refrigerant			Type	R-410A		
Power Supply				1~/230V/50Hz		
Decoration Panel	Model			BYBS45D		BYBS71D
	Colour			White		
	HxWxD		mm	55x800x500		55x1100x500
	Weight		kg	3.5		4.5
Controller		Wired		BRC1D52 (standard)		

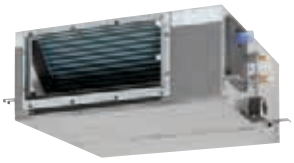
Outdoor Unit				RKS35G	RKS50G	RKS60F
Dimensions	(Height x Width x Depth)		mm	550x765x285	735x825x300	735x825x300
Weight			kg	34	48	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
Sound Power		Cooling	dBA	62	61	63
Sound Pressure (Low)		Cooling	dBA	44	44	46
Sound Pressure (High)		Cooling	dBA	48	48	49
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas		mm	6.35/9.52	6.35/12.7	
Piping Length (Maximum)			m	20	30	
Max Installation Height Difference			m	15	20	

INVERTER

FBQ-C / RXS-G/F

Concealed Ceiling Unit

BRC1D52

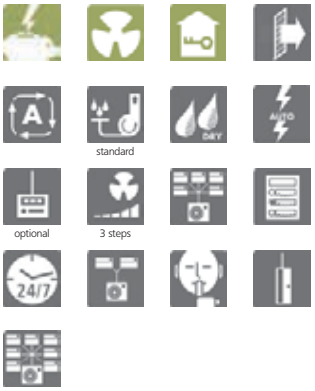


FBQ35,50C

RXS35G

- Reduction in power consumption thanks to DC inverter fans
- Improved comfort thanks to 3-step air flow control
- Possibility to change ESP through wired remote control, allows optimisation of the supply air volume
- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.

- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Quiet operation
- Maximum external static pressure (ESP) is 100Pa
- Optional discharge and suction duct flangers available
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications



HEAT PUMP				INVERTER		
Indoor Units				**FBQ35C**	**FBQ50C**	**FBQ60C**
Capacity	Cooling capacity	Standard	kW	3.40	5.0	5.7
	Heating capacity	Standard	kW	4.0	6.0	7.0
EER / COP	Cooling / Heating			3.22 / 3.42	3.21 / 3.41	3.21 / 3.41
Annual energy consumption			kWh	528	776	888
Energy Label	cooling / heating			A / B		
Dimensions	(Height x Width x Depth)		mm	300x700x700		300x1000x700
Weight			kg	25		34
Air Flow Rate	Cooling	High/Low	m³/min	16 / 11		18 / 15
	Heating	High/Low	m³/min	16 / 11		18 / 15
Sound Power	Cooling	High	dBA	63		57
Sound Pressure	Cooling	High/Low	dBA	37 / 29		
	Heating	High/Low	dBA	37 / 29		
External Static Pressure		High/Medium/Low	Pa	70 / 30 / 30	100 / 30 / 30	
Refrigerant			Type	R-410A		
Power Supply				1~/230V/50Hz		
Decoration Panel	Model			BYBS45D		BYBS71D
	Colour			White		
	HxWxD		mm	55x800x500		55x1100x500
	Weight		kg	3.5		4.5
Controller		Wired		BRC1D52 (standard)		

Outdoor Unit				RXS35G	RXS50G	RXS60F
Dimensions	(Height x Width x Depth)		mm	550x765x285	735x825x300	735x825x300
Weight			kg	34	48	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~20	-15~20	-15~18
Sound Power		Cooling	dBA	63	61	63
Sound Pressure (Low)		Cooling	dBA	44	44	46
		Heating	dBA	45	45	46
Sound Pressure (High)		Cooling	dBA	48	48	49
		Heating	dBA	48	48	49
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas		mm	6.35 / 9.52	6.35 / 12.7	
Piping Length (Maximum)			m	20	30	
Max Installation Height Difference			m	15	20	

FBQ-C / RZQS-D

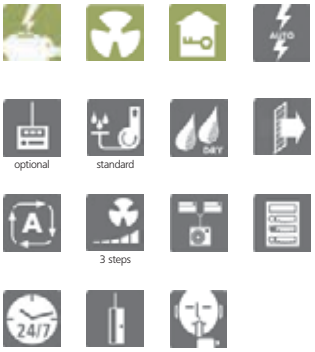
Concealed Ceiling Unit

BRC1D52

FBQ100,125,140C

RZQS100,125,140D

- Reduction in power consumption thanks to DC inverter fans
- Improved comfort thanks to 3-step air flow control
- Possibility to change ESP through wired remote control, allows optimisation of the supply air volume
- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Quiet operation
- Maximum external static pressure (ESP) is 100Pa
- Optional discharge and suction duct flangers available
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications



HEAT PUMP				COMFORT INVERTER			
Indoor Units				**FBQ71C**	**FBQ100C**	**FBQ125C**	**FBQ140C**
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.5	13.4
	Heating capacity	Standard	kW	8.0	11.2	14.0	15.0
EER / COP	Cooling / Heating			3.26 / 3.55	3.3 / 3.65	3.14 / 3.41	2.81 / 3.21
Annual energy consumption			kWh	1,089	1,515	1,990	2,384
Energy Label	cooling / heating			A / B	A / A	B / B	C / C
Dimensions	(Height x Width x Depth)		mm	300x1000x700	300x1400x700		
Weight			kg	34	45		
Air Flow Rate	Cooling	High/Low	m³/min	18 / 15	32 / 23	33 / 28	
	Heating	High/Low	m³/min	18 / 15	32 / 23	39 / 28	41 / 29
Sound Power	Cooling	High	dBA	57	61	66	
Sound Pressure	Cooling	High/Low	dBA	37 / 29	38 / 32	40 / 33	
	Heating	High/Low	dBA	37 / 29	38 / 32	40 / 33	41 / 34
External Static Pressure		High/Medium/Low	Pa	100 / 30 / 30	120 / 40 / 40	120 / 50 / 50	
Refrigerant			Type	R-410A			
Power Supply				1~/230V/50Hz			
Decoration Panel	Model			BYBS71DJW1	BYBS125DJW1		
	Colour			White			
	HxWxD		mm	55x1100x500	55x1500x500		
	Weight		kg	4.5	6.5		
Controller		Wired		BRC1D52 (standard)			

Outdoor Unit				**RZQS71DV1**	**RZQS100DV1**	**RZQS125DV1**	**RZQS140DV1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1170x900x320		
Weight			kg	68	103		
Operation Range	Cooling	Min~Max	°CDB	-5~46			
	Heating	Min~Max	°CWB	-15~15.5			
Sound Power		Cooling	dBA	65	67		68
Sound Pressure (Standard)		Cooling	dBA	49	51		52
		Heating	dBA	51	55	53	54
Sound Level (Night quiet)		Sound Pressure	dBA	47	49		50
Refrigerant			Type	R-410A			
Power Supply				(*)1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26			
Piping Length (Maximum)			m	30	50		
Max. interunit level difference			m	0.5			
Max Installation Height Difference			m	15	30		

(*) A separate 1ph 5 amp power supply to the indoor unit is required.

FBQ-C / RZQ-D/BW1

Concealed Ceiling Unit

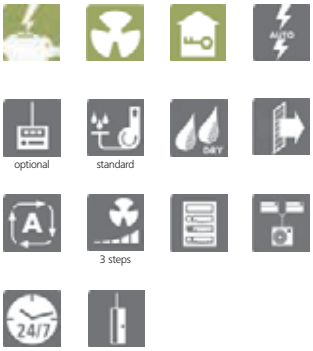
BRC1D52

FBQ100,125,140C

RZQ100,125,140D

- Reduction in power consumption thanks to DC inverter fans
- Improved comfort thanks to 3-step air flow control
- Possibility to change ESP through wired remote control, allows optimisation of the supply air volume
- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.

- Quiet operation
- Maximum external static pressure (ESP) is 88Pa
- Optional discharge and suction duct flanger available
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications
- Communications, computer and server room cooling possible with EDP setting.
- Re-use of existing R22 and R407C piping possible. (See R22 Replacement leaflet)



HEAT PUMP				SUPER INVERTER							
Indoor Units				**FBQ71C**	**FBQ100C**		**FBQ125C**		**FBQ140C**	
Capacity	Cooling capacity	Standard	kW	7.1	10.0		12.5		13.4	
	Heating capacity	Standard	kW	8.0	11.2		14.0		15.5	
EER / COP	Cooling / Heating			3.39 / 3.85	3.70 / 4.16	3.50 / 3.73	3.48 / 3.62	3.14 / 3.51	3.01 / 3.41	2.82 / 3.21
Annual energy consumption			kWh	1047	1351	1430	1796	1990	2226	2380
Energy Label	cooling / heating			A / A			A / A	B / B		C / C
Dimensions	(Height x Width x Depth)		mm	300x1000x700	300x1400x700					
Weight			kg	34	45					
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		41 / 29	
Sound Power	Cooling	High	dBA	57	61		66			
Sound Pressure	Cooling	High/Low	dBA	37 / 29	38 / 32		40 / 33			
	Heating	High/Low	dBA	37 / 29	38 / 32		40 / 33		41 / 34	
External Static Pressure		High/Medium/Low	Pa	100 / 30 / 30	120 / 40 / 40		120 / 50 / 50			
Refrigerant			Type	R-410A						
Power Supply				1~/230V/50Hz						
Decoration Panel	Model			BYBS71DJW1	BYBS125DJW1					
	Colour			White						
	HxWxD		mm	55x1100x500	55x1500x500					
	Weight		kg	4.5	6.5					
Controller		Wired		BRC1D52 (standard)						

Outdoor Unit				RZQ71DV1	RZQ100DV1	RZQ100BW1	RZQ125DV1	RZQ125BW1	RZQ140DV1	RZQ140BW1
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320		1345x900x320		1345x900x320	
Weight			kg	67	108	106	108	106	108	106
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0						
	Heating	Min~Max	°CWB	-20.0~15.5						
Sound Power		Cooling	dBA	64	65		67	66	68	66
Sound Pressure (Standard)		Cooling	dBA	48	50		51	50	51	50
		Heating	dBA	50	52		53	52	53	52
Sound Level (Night quiet)		Sound Pressure	dBA	43	45				46	45
Refrigerant			Type	R-410A						
Power Supply				(*)1~/220-240V/50Hz	(*)1~/220-240V/50Hz	3N~/400V/50Hz	(*)1~/220-240V/50Hz	3N~/400V/50Hz	(*)1~/220-240V/50Hz	3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26						
Piping Length (Maximum)			m	50	75					
Max. internunit level difference			m	0.5						
Max installation height difference			m	30						

(*) A separate 1ph 5 amp power supply to the indoor unit is required.

FDQ-B / RZQS-D

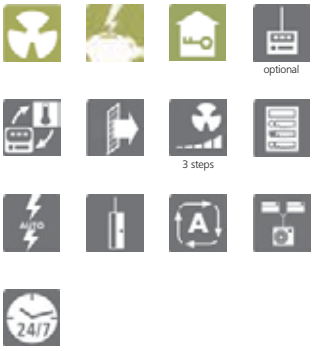
Concealed Ceiling Unit

BRC1D52

FDQ125B

RZQS125D

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Ideal for use in larger areas
- Maximum external static pressure (ESP) ranges from 150 till 250Pa
- Suitable for Twin, Triple and Double Twin applications



HEAT PUMP				COMFORT INVERTER
Indoor Units				**FDQ125B8V3B**
Nominal Capacity	Cooling capacity	Standard	kW	12.5
	Heating capacity	Standard	kW	14.0
Annual energy consumption			kWh	2225
EER / COP	Cooling / Heating			2.81 / 3.43
Energy Label	cooling / heating			C / B
Dimensions	(Height x Width x Depth)		mm	350x1400x662
Weight			kg	59.0
Air Flow Rate	Cooling	Medium	m³/min	43.0
	Heating	Medium	m³/min	43.0
Sound Power	Cooling	Medium	dBA	75.0
Sound Pressure	Cooling	High	dBA	44.0
	Heating	Low	dBA	44.0
Refrigerant			Type	R-410A
Power Supply				1~/230V/50Hz

Outdoor Unit				**RZQS125DV1**
Dimensions	(Height x Width x Depth)		mm	1170x900x320
Weight			kg	103
Sound pressure level	Cooling (Night quiet mode)		dBA	51 (49)
	Heating		dBA	53
Sound power level	Cooling		dBA	67
Operation Range	Cooling	Min~Max	°CDB	-5~46
	Heating	Min~Max	°CWB	-15~15.5
Refrigerant			Type	R-410A
Power Supply				1~/230V/50Hz
Piping connections	Liquid (OD)/Gas		mm	9.52 / 15.9 / 26
Piping Length (Maximum)			m	50
Max Installation Height Difference			m	30

FDQ-B / RZQ-D/BW1

Concealed Ceiling Unit

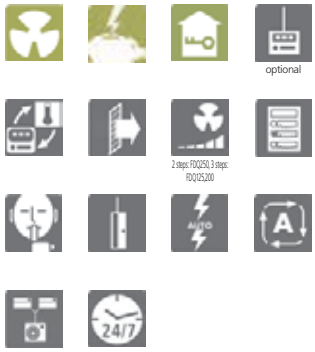

BRC1D52


FDQ-B


RZQ125D


RZQ200,250C

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Ideal for use in larger areas
- Maximum external static pressure (ESP) ranges from 150 till 250Pa
- Suitable for Twin, Triple and Double Twin applications
- Comms, computer and server room cooling possible with EDP setting (RZQ125 only).
- Re-use of existing R22 and R407C piping possible. (See R22 Replacement leaflet)



HEAT PUMP				SUPER INVERTER			
Indoor Units				**FDQ125B**		**FDQ200B**	**FDQ250B**
Nominal Capacity	Cooling capacity	Standard	kW	12.5		20.0	24.1
	Heating capacity	Standard	kW	14.0		23.0	26.4
EER / COP	Cooling / Heating			3.16 / 3.88	3.01 / 3.79	3.21 / 3.41	2.81 / 3.21
Annual energy consumption			kWh	1978		3115	4290
Energy Label	cooling / heating			B / A		A / B	C / C
Dimensions	(Height x Width x Depth)		mm	350x1400x662		450x1400x900	450x1400x900
Weight			kg	59.0		93.0	93.0
Air Flow Rate	Cooling	Medium	m³/min	43.0		69.0	89.0
	Heating	Medium	m³/min	43.0		69.0	89.0
Sound Power	Cooling	Medium	dBA	75.0		81.0	82.0
Sound Pressure	Cooling	High	dBA	44.0		45.0	47.0
	Heating	Low	dBA	44.0		45.0	47.0
External Static Pressure		High	Pa	150		250	
Refrigerant			Type	R-410A			
Power Supply				1~/230V/50Hz			
Controller		Wired		BRC1D52 (standard)			

Outdoor Unit				**RZQ125DV1**	**RZQ125BW1**	**RZQ200C**	**RZQ250C**
Dimensions	(Height x Width x Depth)		mm	1345x900x320		1680x930x765	1680x930x765
Weight			kg	108	106	183	184
Sound pressure (standard)	Cooling		dBA	51	50	57	
	Heating		dBA	53	52	57	
Sound power level	Cooling		dBA	67	66	78	
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0		-5.0~46.0	
	Heating	Min~Max	°CWB	-20.0~15.5		-15.0~15.0	
Refrigerant			Type	R-410A			
Power Supply				(*)1~/220-240V/50Hz	(*)3N~/400V/50Hz	(*)3N~/380-415V/50Hz	
Piping connections	Liquid (OD)/Gas		mm	9.52 / 15.9 / 26		9.5 / 22,2 / -	12.7 / 22,2 / -
Piping Length (Maximum)			m	75		100	
Max Installation Height Difference			m	30			

(*) A separate 15 amp power supply to the indoor unit is required.

INVERTER

FFQ-B / RKS-G/F

4-Way Blow Ceiling Mounted Cassette (600mm x 600mm)

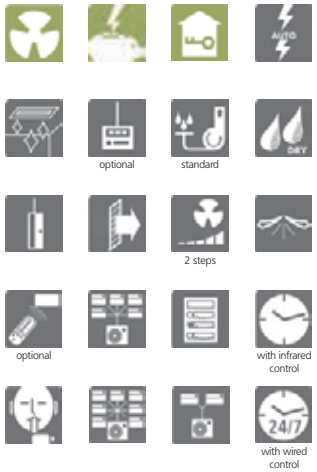
BRC1D52 BRC7E531

FFQ-B

RKS25,35G

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- New and extremely compact casing (575mm in width and depth) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles

- Modern style decoration panel in white (RAL9010)
- Extremely quiet in operation
- Possibility to shut 1 or 2 flaps for easy installation in corners
- Auto-swing function ensures efficient air and temperature distribution and prevents ceiling soiling.
- Excellent low draught characteristics
- Easy installation and maintenance
- The switch box can be reached by simply removing the suction grille; therefore maintenance can be done very easily.
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications



COOLING ONLY				INVERTER			
Indoor Units				**FFQ25B8V1B**	**FFQ35B8V1B**	**FFQ50B8V1B**	**FFQ60B8V1B**
Capacity	Cooling capacity	Standard	kW	2.5	3.4	4.7	5.8
EER	Nominal			3.42	3.09	2.61	2.80
Annual energy consumption			kWh	365	550	900	1035
Energy Label	cooling			A	B	D	D
Dimensions	(Height x Width x Depth)		mm	286x575x575	286x575x575	286x575x575	286x575x575
Weight			kg	17.5	17.5	17.5	17.5
Air Flow Rate	Cooling	High/Low	m³/min	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
Sound Power	Cooling	High	dBA	46.5	49.0	53.0	58.0
Sound Pressure	Cooling	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
Refrigerant			Type	R-410A	R-410A	R-410A	R-410A
Power Supply				1~/230V/50Hz	1~/230V/50Hz	1~/230V/50Hz	1~/230V/50Hz
Decoration Panel	Model			BYFQ60BAW1	BYFQ60BAW1	BYFQ60BAW1	BYFQ60BAW1
	Colour			White(RAL 9010)	White(RAL 9010)	White(RAL 9010)	White(RAL 9010)
	HxWxD		mm	55x700x700	55x700x700	55x700x700	55x700x700
	Weight		kg	2.7	2.7	2.7	2.7

Outdoor Unit				**RKS25G2V1B**	**RKS35G2V1B**	**RKS50G2V1B**	**RKS60F2V1B**
Dimensions	(Height x Width x Depth)		mm	550x765x285	550x765x285	735x825x300	735x825x300
Weight			kg	34	34	48	47
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46	-10~46
Sound Power		Cooling	dBA	61	62	61	63
Sound Pressure (Low)		Cooling	dBA	43	44	44	46
Sound Pressure (High)		Cooling	dBA	46	48	48	49
Refrigerant			Type	R-410A	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas		mm	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7
Piping Length (Maximum)			m	20	20	30	30
Max Installation Height Difference			m	15	15	20	20

INVERTER

FFQ-B / RXS-G/F

4-Way Blow Ceiling Mounted Cassette (600mm x 600mm)

BRC1D52 BRC7E530

FFQ-B

RXS25,35G

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- New and extremely compact casing (575mm in width and depth) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles
- Modern style decoration panel in white (RAL9010)

- Extremely quiet in operation
- Possibility to shut 1 or 2 flaps for easy installation in corners
- Auto-swing function ensures efficient air and temperature distribution and prevents ceiling soiling.
- Excellent low draught characteristics
  Easy installation and maintenance
- The switch box can be reached by simply removing the suction grille; therefore maintenance can be done very easily.
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications

HEAT PUMP				INVERTER			
Indoor Units				**FFQ25B8V1B**	**FFQ35B8V1B**	**FFQ50B8V1B**	**FFQ60B8V1B**
Capacity	Cooling capacity	Standard	kW	2.5	3.4	4.7	5.8
	Heating capacity	Standard	kW	3.2	4.0	5.5	7.0
EER / COP	Cooling / Heating			3.42 / 3.48	3.09 / 3.33	2.61 / 2.81	2.80 / 2.81
Annual energy consumption			kWh	365	550	900	1035
Energy Label	cooling / heating			A / B	B / C	D / D	D / D
Dimensions	(Height x Width x Depth)		mm	286x575x575	286x575x575	286x575x575	286x575x575
Weight			kg	17.5	17.5	17.5	17.5
Air Flow Rate	Cooling	High/Low	m^3/min	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
	Heating	High/Low	m^3/min	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
Sound Power	Cooling	High	dBA	46.5	49.0	53.0	58.0
Sound Pressure	Cooling	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
	Heating	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
Refrigerant			Type	R-410A	R-410A	R-410A	R-410A
Power Supply				1~/230V/50Hz	1~/230V/50Hz	1~/230V/50Hz	1~/230V/50Hz
Decoration Panel	Model			BYFQ60BAW1	BYFQ60BAW1	BYFQ60BAW1	BYFQ60BAW1
	Colour			White(RAL 9010)	White(RAL 9010)	White(RAL 9010)	White(RAL 9010)
	HxWxD		mm	55x700x700	55x700x700	55x700x700	55x700x700
	Weight		kg	2.7	2.7	2.7	2.7

Outdoor Unit				**RXS25G2V1B**	**RXS35G2V1B**	**RXS50G2V1B**	**RXS60F2V1B**
Dimensions	(Height x Width x Depth)		mm	550x765x285	550x765x285	735x825x300	735x825x300
Weight			kg	34	34	48	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~20	-15~20	-15~18	-15~18
Sound Power		Cooling	dBA	61	63	62	63
Sound Pressure (Low)		Cooling	dBA	43	44	44	46
		Heating	dBA	44	45	45	46
Sound Pressure (High)		Cooling	dBA	46	48	48	49
		Heating	dBA	47	48	48	49
Refrigerant			Type	R-410A	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas		mm	6.35/9.52	6.35/9.52	6.35/12.7	6.35/12.7
Piping Length (Maximum)			m	20	20	30	30
Max Installation Height Difference			m	15	15	20	20

ROUND FLOW

Comfort Inverter

INVERTER

FCQH-D / RZQS-D

High Efficiency Round Flow Cassette

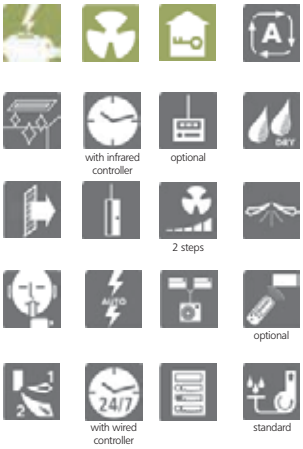
BRC1D52 BRC7F532F

FCQH100,125,140D

RZQS100,125,140D

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- D3 Net connection as standard
- High efficiency

- Modern style decoration panel in pure white with grey louvres. Also available in white with white louvres
- 360° air discharge ensures uniform air flow and temperature distribution
- Air discharge from the corners avoids dead zones that may be subject to temperature differences
- Comfortable horizontal air discharge ensures draught free operation and prevents ceiling soiling
- 23 different air flow patterns possible
- Fresh air intake: standard knockout and optional kit
- Suitable for Twin, Triple and Double Twin applications



HEAT PUMP				COMFORT INVERTER			
Indoor Units				**FCQH71D**	**FCQH100D**	**FCQH125D**	**FCQH140D**
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.5	14.0
	Heating capacity	Standard	kW	8.0	11.2	14.0	16.0
EER / COP	Cooling / Heating			3.3 / 3.7	3.45 / 3.80	3.22 / 3.69	3.01 / 3.41
Annual energy consumption			kWh	1,076	1449	1940	2326
Energy Label	cooling / heating			A / A			B / B
Dimensions	(Height x Width x Depth)		mm	246x840x840	288x840x840		
Weight			kg	23	25		
Air Flow Rate	Cooling	High/Low	m³/min	21.9 / 12.1	34.2 / 17.6	34.2 / 21.2	34.2 / 23.8
	Heating	High/Low	m³/min	21.9 / 12.1	34.2 / 17.6	34.2 / 21.3	34.2 / 23.9
Sound Power	Cooling	High	dBA	54	62		
Sound Pressure	Cooling	High/Low	dBA	36 / 28	45 / 32	45 / 36	45 / 38
	Heating	High/Low	dBA	36 / 28	45 / 32	45 / 36	45 / 38
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V;220V/50Hz;60Hz			
Decoration Panel	Model			BYCQ140CW1 / BYCQ140CW1W			
	Colour			White with grey louvres (RAL 9010) / White with white louvres (RAL 9010)			
	HxWxD		mm	50x950x950			
	Weight		kg	5.5			
Controller		Wired/Wireless		BRC1D52 (Standard) / BRC7F532F (Optional)			

Outdoor Unit				RZQS71DV1	RZQS100DV1	RZQS125DV1	RZQS140DV1
Dimensions	(Height x Width x Depth)		mm	770x900x320	1170x900x320		
Weight			kg	68	103		
Operation Range	Cooling	Min~Max	°CDB	-5~46			
	Heating	Min~Max	°CWB	-15~15.5			
Sound Power		Cooling	dBA	65	67		68
Sound Pressure (Standard)		Cooling	dBA	49	51		52
		Heating	dBA	51	55	53	54
Sound Level (Night quiet)		Sound Pressure	dBA	47	49		50
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26			
Piping Length (Maximum)			m	30	50		
Max. internunit level difference			m	0.5			
Max installation height difference			m	15	30		

ROUND FLOW | Super Inverter | INVERTER

FCQH-D / RZQ-D/BW1

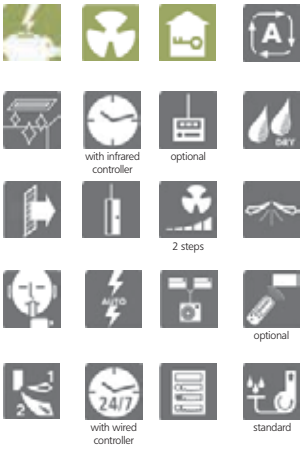
High Efficiency Round Flow Cassette

BRC1D52 BRC7F532F

FCQH100,125,140D

RZQ100,125,140D

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- D3 Net connection as standard
- High efficiency
- Modern style decoration panel in pure white with grey louvres. Also available in white with white louvres
- 360° air discharge ensures uniform air flow and temperature distribution
- Air discharge from the corners avoids dead zones that may be subject to temperature differences
- Comfortable horizontal air discharge ensures draught free operation and prevents ceiling soiling
- 23 different air flow patterns possible
- Fresh air intake: standard knockout and optional kit
- Communications, computer and server room cooling possible with EDP setting.
- Re-use of existing R22 and R407C piping possible. (See R22 Replacement leaflet)
- Suitable for Twin, Triple and Double Twin applications



HEAT PUMP				SUPER INVERTER							
Indoor Units				**FCQH71D**	**FCQH100D**		**FCQH125D**		**FCQH140D**	
Capacity	Cooling capacity	Standard	kW	7.1	10.0		12.5		14.0	
	Heating capacity	Standard	kW	8.0	11.2		14.0		16.0	
EER / COP	Cooling / Heating			3.78 / 4.16	4.00 / 4.53	4.10 / 4.38	3.59 / 4.05	3.53 / 3.90	3.21 / 3.73	3.01 / 3.54
Annual energy consumption			kWh	940	1250	1220	1740	1770	2180	2325
Energy Label	cooling / heating			A / A						B / B
Dimensions	(Height x Width x Depth)		mm	246x840x840	288x840x840					
Weight			kg	23	25					
Air Flow Rate	Cooling	High/Low	m³/min	21.9 / 12.1	34.2 / 17.6		34.2 / 21.2		34.2 / 23.8	
	Heating	High/Low	m³/min	21.9 / 12.1	34.2 / 17.6		34.2 / 21.3		34.2 / 23.9	
Sound Power	Cooling	High	dBA	54	62					
Sound Pressure	Cooling	High/Low	dBA	36 / 28	45 / 32		45 / 36		45 / 38	
	Heating	High/Low	dBA	36 / 28	45 / 32		45 / 36		45 / 38	
Refrigerant			Type	R-410A						
Power Supply				1~/220-240V;220V/50Hz;60Hz						
Decoration Panel	Model			BYCQ140CW1 / BYCQ140CW1W						
	Colour			White with grey louvres (RAL 9010) / White with white louvres (RAL 9010)						
	HxWxD		mm	50x950x950						
	Weight		kg	5.5						
Controller		Wired/Wireless		BRC1D52 (Standard) / BRC7F532F (Optional)						

Outdoor Unit				RZQ71DV1	RZQ100DV1	RZQ100BW1	RZQ125DV1	RZQ125BW1	RZQ140DV1	RZQ140BW1
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320		1345x900x320		1345x900x320	
Weight			kg	67	108	106	108	106	108	106
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0						
	Heating	Min~Max	°CWB	-20.0~15.5						
Sound Power		Cooling	dBA	64	65		67	66	68	66
Sound Pressure (Standard)		Cooling	dBA	48	50		51	50	51	50
		Heating	dBA	50	52		53	52	53	52
Sound Level (Night quiet)		Sound Pressure	dBA	43	45				46	45
Refrigerant			Type	R-410A						
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26						
Piping Length (Maximum)			m	50	75					
Max. internunit level difference			m	0.5						
Max installation height difference			m	30						

ROUND FLOW INVERTER

FCQ-C / RKS-G/F

Low Height Round Flow Cassette

BRC1D52 BRC7F533F

FCQ-C

RKS35G

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- D3 Net connection as standard
- Modern style decoration panel in pure white with grey louvres. Also available in white with white louvres.
- 360° air discharge ensures uniform air flow and temperature distribution
- Air discharge from the corners avoids dead zones that may be subject to temperature differences
- Comfortable horizontal air discharge ensures draughtfree operation and prevents ceiling soiling
- 23 different air flow patterns possible
- Reduced installation height: 214mm for class 35-50
- Fresh air intake: standard knockout and optional kit
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications

COOLING ONLY				INVERTER		
Indoor Units				**FCQ35C7VEB**	**FCQ50C7VEB**	**FCQ60C7VEB**
Capacity	Cooling capacity	Standard	kW	3.4	5.0	5.7
EER	Nominal			3.58	3.55	3.48
Annual energy consumption			kWh	475	705	820
Energy Label	cooling			A	A	A
Dimensions	(Height x Width x Depth)		mm	204x840x840	204x840x840	204x840x840
Weight			kg	19	19	19
Air Flow Rate	Cooling	High/Low	m³/min	10.5 / 8.5	12.5 / 8.5	13.5 / 8.5
Sound Power	Cooling	High	dBA	49	49	51
Sound Pressure	Cooling	High/Low	dBA	31 / 27	31 / 27	33 / 28
Refrigerant			Type	R-410A	R-410A	R-410A
Power Supply					-	1~/220-240V/50/60Hz
Decoration Panel	Model			BYCQ140CW1	BYCQ140CW1	BYCQ140CW1
	Colour			Pure White(RAL 9010)	Pure White(RAL 9010)	Pure White(RAL 9010)
	HxWxD		mm	50x950x950	50x950x950	50x950x950
	Weight		kg	5.5	5.5	-

Outdoor Unit				**RKS35G2V1B**	**RKS50G2V1B**	**RKS60F2V1B**
Dimensions	(Height x Width x Depth)		mm	550x765x285	735x825x300	735x825x300
Weight			kg	34	48	47
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
Sound Power		Cooling	dBA	62	61	63
Sound Pressure (Low)		Cooling	dBA	44	44	46
Sound Pressure (High)		Cooling	dBA	48	48	49
Refrigerant			Type	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas		mm	6.35 / 9.52	6.35 / 12.7	6.35/12.7
Piping Length (Maximum)			m	20	30	30
Max Installation Height Difference			m	15	20	20

ROUND FLOW INVERTER

FCQ-C / RXS-G/F

Low Height Round Flow Cassette

BRC1D52 BRC7F532F

FCQ-C

RXS35G

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- D3 Net connection as standard
- Modern style decoration panel in pure white with grey louvres. Also available in white with white louvres
- 360° air discharge ensures uniform air flow and temperature distribution
- Air discharge from the corners avoids dead zones that may be subject to temperature differences
- Comfortable horizontal air discharge ensures draughtfree operation and prevents ceiling soiling
- 23 different air flow patterns possible
- Reduced installation height: 214mm for class 35-50
- Fresh air intake: standard knockout and optional kit
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications

HEAT PUMP				INVERTER		
Indoor Units				**FCQ35C**	**FCQ50C**	**FCQ60C**
Capacity	Cooling capacity	Standard	kW	3.4	5.0	5.7
	Heating capacity	Standard	kW	4.2	6.0	7.0
EER / COP	Cooling / Heating			3.58 / 3.41	3.55 / 3.70	3.48 / 3.52
Annual energy consumption			kWh	475	705	820
Energy Label	cooling / heating			A / B	A / A	A / B
Dimensions	(Height x Width x Depth)		mm	204x840x840	204x840x840	204x840x840
Weight			kg	19	19	19
Air Flow Rate	Cooling	High/Low	m³/min	10.5 / 8.5	12.5 / 8.5	13.5 / 8.5
	Heating	High/Low	m³/min	12.5 / 10.0	12.5 / 8.5	13.5 / 8.5
Sound Power	Cooling	High	dBA	49	49	51
Sound Pressure	Cooling	High/Low	dBA	31 / 27	31 / 27	33 / 28
	Heating	High/Low	dBA	31 / 27	31 / 27	33 / 28
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50/60Hz		
Decoration Panel	Model			BYCQ140CW1 / BYCQ140CW1W		
	Colour			White with grey louvres (RAL 9010) / White with white louvres (RAL 9010)		
	HxWxD		mm	50x950x950		
	Weight		kg	5.5	5.5	-
Controller		Wired/Wireless		BRC1D52 (Standard) / BRC7F532F (Optional)		

Outdoor Unit				RXS35G	RXS50G	RXS60F
Dimensions	(Height x Width x Depth)		mm	550x765x285	735x825x300	735x825x300
Weight			kg	34	48	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~20	-15~20	-15~18
Sound Power		Cooling	dBA	63	61	63
Sound Pressure (Low)		Cooling	dBA	44	44	46
		Heating	dBA	45	45	46
Sound Pressure (High)		Cooling	dBA	48	48	49
		Heating	dBA	48	48	49
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas		mm	6.35/9.52	6.35/12.7	6.35/12.7
Piping Length (Maximum)			m	20	30	30
Max Installation Height Difference			m	15	20	20

ROUND FLOW | Comfort Inverter | INVERTER

FCQ-C / RZQS-D

Low Height Round Flow Cassette

BRC1D52 BRC7F532F

FCQ100,125,140C

RZQS100,125,140D

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- D3 Net connection as standard
- Modern style decoration panel in pure white with grey louvres. Also available in white with white louvres

- 360° air discharge ensures uniform air flow and temperature distribution
- Air discharge from the corners avoids dead zones that may be subject to temperature differences
- Comfortable horizontal air discharge ensures draught free operation and prevents ceiling soiling
- 23 different air flow patterns possible
- Fresh air intake: standard knockout and optional kit
- Reduced installation height: 214mm for class 71
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications

HEAT PUMP				COMFORT INVERTER			
Indoor Units				**FCQ71C**	**FCQ100C**	**FCQ125C**	**FCQ140C**
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.5	14.0
	Heating capacity	Standard	kW	8.0	11.2	14.0	16.0
EER / COP	Cooling / Heating			3.11 / 3.41	3.11 / 3.41	3.11 / 3.45	2.61 / 3.21
Annual energy consumption			kWh	1,141	1,608	2,010	2,680
Energy Label	cooling / heating			B / B			D / C
Dimensions	(Height x Width x Depth)		mm	204x840x840	246x840x840		
Weight			kg	21	23		
Air Flow Rate	Cooling	High/Low	m³/min	15.5 / 9.0	23.5 / 16.0	27.5 / 19.0	
	Heating	High/Low	m³/min	16.0 / 9.5	23.5 / 16.0	27.5 / 19.0	
Sound Power	Cooling	High	dBA	51	54	58	
Sound Pressure	Cooling	High/Low	dBA	33 / 28	37 / 32	41 / 35	
	Heating	High/Low	dBA	34 / 28	37 / 32	41 / 35	42 / 35
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50;60Hz			
Decoration Panel	Model			BYCQ140CW1 / BYCQ140CW1W			
	Colour			White with grey louvres (RAL 9010) / White with white louvres (RAL 9010)			
	HxWxD		mm	50x950x950			
	Weight		kg	5.5			
Controller		Wired/Wireless		BRC1D52 (Standard) / BRC7F532F (Optional)			

Outdoor Unit				**RZQS71DV1**	**RZQS100DV1**	**RZQS125DV1**	**RZQS140DV1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1170x900x320		
Weight			kg	68	103		
Operation Range	Cooling	Min~Max	°CDB	-5~46			
	Heating	Min~Max	°CWB	-15~15.5			
Sound Power		Cooling	dBA	65	67		68
Sound Pressure (Standard)		Cooling	dBA	49	51		52
		Heating	dBA	51	55	53	54
Sound Level (Night quiet)		Sound Pressure	dBA	47	49		50
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26			
Piping Length (Maximum)			m	30	50		
Max Interunit Level Difference			m	0.5			
Max Installation Height Difference			m	15	30		

ROUND FLOW | Super Inverter | INVERTER

FCQ-C / RZQ-D/BW1

Low Height Round Flow Cassette

BRC1D52 BRC7F532F

FCQ100,125,140C

RZQ100,125,140D

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- D3 Net connection as standard
- Modern style decoration panel in pure white with grey louvres. Also available in white with white louvres
- 360° air discharge ensures uniform air flow and temperature distribution
- Air discharge from the corners avoids dead zones that may be subject to temperature differences
- Comfortable horizontal air discharge ensures draught free operation and prevents ceiling soiling
- 23 different air flow patterns possible
- Reduced installation height: 214mm for class 71
- Fresh air intake: standard knockout and optional kit
- Connection to multi outdoor possible
- Communications, computer and server room cooling possible with EDP setting.
- Re-use of existing R22 and R407C piping possible. (See R22 Replacement leaflet)
- Suitable for Twin, Triple and Double Twin applications

HEAT PUMP				SUPER INVERTER							
Indoor Units				**FCQ71C**	**FCQ100C**		**FCQ125C**		**FCQ140C**	
Capacity	Cooling capacity	Standard	kW	7.1	10.0		12.5		14.0	
	Heating capacity	Standard	kW	8.0	11.2		14.0		16.0	
EER / COP	Cooling / Heating			3.36 / 3.62	3.79 / 3.78	3.79 / 3.57	3.38 / 3.61	3.22 / 3.21	2.74 / 3.27	2.61 / 2.81
Annual energy consumption			kWh	1055	1319	1320	1850	1940	2555	2680
Energy Label	cooling / heating			A / A	A / A	A / B	A / B	A / C	D / C	D / D
Dimensions	(Height x Width x Depth)		mm	204x840x840	246x840x840					
Weight			kg	21	23					
Air Flow Rate	Cooling	High/Low	m³/min	15.5 / 9.0	23.5 / 16.0		27.5 / 19.0			
	Heating	High/Low	m³/min	16.0 / 9.5	23.5 / 16.0		27.5 / 19.0			
Sound Power	Cooling	High	dBA	51	54		58			
Sound Pressure	Cooling	High/Low	dBA	33 / 28	37 / 32		41 / 35			
	Heating	High/Low	dBA	34 / 28	37 / 32		41 / 35		42 / 35	
Refrigerant			Type	R-410A						
Power Supply				1~/220-240V/50;60Hz						
Decoration Panel	Model			BYCQ140CW1 / BYCQ140CW1W						
	Colour			White with grey louvres (RAL 9010) / White with white louvres (RAL 9010)						
	HxWxD		mm	50x950x950						
	Weight		kg	5.5						
Controller		Wired/Wireless		BRC1D52 (Standard) / BRC7F532F (Optional)						

Outdoor Unit				RZQ71DV1	RZQ100DV1	RZQ100BW1	RZQ125DV1	RZQ125BW1	RZQ140DV1	RZQ140BW1
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320		1345x900x320		1345x900x320	
Weight			kg	67	108	106	108	106	108	106
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0						
	Heating	Min~Max	°CWB	-20.0~15.5						
Sound Power		Cooling	dBA	64	65		67	66	68	66
Sound Pressure (Standard)		Cooling	dBA	48	50		51	50	51	50
		Heating	dBA	50	52		53	52	53	52
Sound Level (Night quiet)		Sound Pressure	dBA	43	45				46	45
Refrigerant			Type	R-410A						
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26						
Piping Length (Maximum)			m	50	75					
Max. internunit level difference			m	0.5						
Max installation height difference			m	30						

ROUND FLOW

FCQ-C / REQ-B

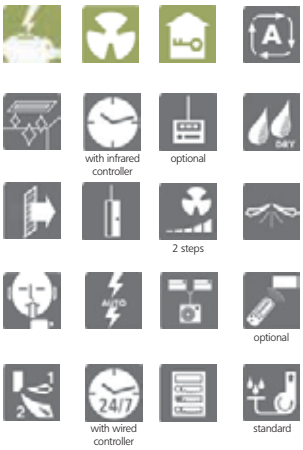
Low Height Round Flow Cassette

BRC1D52 BRC7F532F

FCQ100,125C

REQ100B

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- D3 Net connection as standard
- Modern style decoration panel in pure white with grey louvres. Also available in white with white louvres
- 360° air discharge ensures uniform air flow and temperature distribution
- Air discharge from the corners avoids dead zones that may be subject to temperature differences
- Comfortable horizontal air discharge ensures draught free operation and prevents ceiling soiling
- 23 different air flow patterns possible
- Fresh air intake: standard knockout and optional kit
- Reduced installation height: 214mm for class 71
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications



HEAT PUMP				NON-INVERTER				
Indoor Units				**FCQ71C7VEB**		**FCQ100C7VEB**		**FCQ125C7VEB**
Nominal Capacity	Cooling capacity	Standard	kW	7.1	7.1	10.0	10.0	12.5
	Heating capacity	Standard	kW	8.0	8.0	11.2	11.2	14.6
EER / COP	Cooling / Heating			2.61 / 2.81	2.67 / 2.86	2.61 / 2.99	2.81 / 3.06	2.68 / 2.89
Annual energy consumption			kWh	1360	1330	1915	1780	2330
Energy Label	cooling / heating			D / D		D / D	C / D	D / D
Dimensions	(Height x Width x Depth)		mm	204x840x840		246x840x840		246x840x840
Weight			kg	21		23		23
Air Flow Rate	Cooling	High/Low	m³/min	15.5 / 9.0		23.5 / 16.0		27.5 / 19.0
	Heating	High/Low	m³/min	16.0 / 9.5		23.5 / 16.0		27.5 / 19.0
Sound Power	Cooling	High	dBA	51		54		58
Sound Pressure	Cooling	High/Low	dBA	33 / 28		37 / 32		41 / 35
	Heating	High/Low	dBA	34 / 28		37 / 32		41 / 35
Refrigerant			Type	R-410A		R-410A		R-410A
Power Supply				1~/220-240V/50/60Hz		1~/220-240V/50/60Hz		1~/220-240V/50/60Hz
Decoration Panel	Model			BYCQ140CW1		BYCQ140CW1		BYCQ140CW1
	Colour			Pure White (RAL 9010)		Pure White (RAL 9010)		Pure White (RAL 9010)
	HxWxD		mm	50x950x950		50x950x950		50x950x950

Outdoor Unit				**REQ71B8V3B**	**REQ71B8W1B**	**REQ100B8V3B**	**REQ100B8W1B**	**REQ125B8W1B**
Dimensions	(Height x Width x Depth)		mm	770x900x320		1170x900x320		
Weight			kg	83		102	100	108
Sound pressure level	Cooling		dBA	53	53	57	57	57
Sound power level	Cooling		dBA	65	65	70	70	70
Operation Range	Cooling	Min~Max	°CDB	10.0~46.0				
	Heating	Min~Max	°CWB	-10~15				
Refrigerant			Type	R-410A				
Power Supply				1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26				
Piping Length (Maximum)			m	50				
Max Installation Height Difference			m	30				

Super Inverter INVERTER

FUQ-B / RZQ-D/BW1

4-Way Blow Ceiling Suspended Cassette

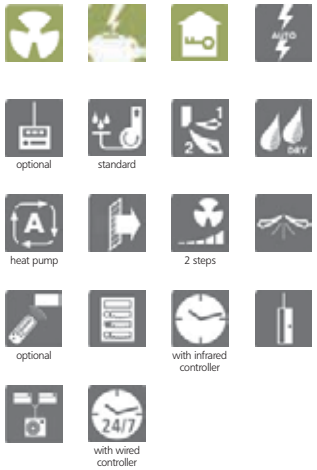
BRC1D52 BRC7C528

FUQ100, 125B

RZQ100,125D

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Can be installed in both new and existing buildings.
- Air can be discharged in any of 4 directions
- Air flow distribution for ceiling heights up to 3.5m without loss of capacity.
- No ceiling staining
- Possibility to shut 1 or 2 flaps for easy installation in corners

- Air filter, drain pan and heat exchanger fin are mildew proof and anti-bacterial treated.
- Drain-up pump with 500mm lift fitted as standard
- Easy to install
- Communications, computer and server room cooling possible with EDP setting.
- Re-use of existing R22 and R407C piping possible. (See R22 Replacement leaflet)
- Suitable for Twin, Triple and Double Twin applications



HEAT PUMP				SUPER INVERTER				
Indoor Units				**FUQ71B**	**FUQ100B**		**FUQ125B**	
Capacity	Cooling capacity	Standard	kW	7.1	10		12.5	
	Heating capacity	Standard	kW	8.0	11.2		14.0	
EER / COP	Cooling / Heating			3.21 / 3.42	3.37 / 3.38	3.21 / 3.41	3.16 / 3.29	3.09 / 3.21
Annual energy consumption			kWh	1,105	1484	1560	1978	2025
Energy Label	cooling / heating			A / B	A / C	A / B	B / C	
Dimensions	(Height x Width x Depth)		mm	165x895x895	230x895x895			
Weight			kg	25.0	31.0			
Air Flow Rate	Cooling	High/Low	m³/min	19.0 / 14.0	29.0 / 21.0		32.0 / 23.0	
	Heating	High/Low	m³/min	19.0 / 14.0	29.0 / 21.0		32.0 / 23.0	
Sound Power	Cooling	High/Low	dBA	56.0 / 51.0	59.0 / 54.0		60.0 / 55.0	
	Heating	High/Low	dBA	56.0 / 51.0	59.0 / 54.0		60.0 / 55.0	
Sound Pressure	Cooling	High/Low	dBA	40.0 / 35.0	43.0 / 38.0		44.0 / 39.0	
	Heating	High/Low	dBA	40.0 / 35.0	43.0 / 38.0		44.0 / 39.0	
Refrigerant			Type	R-410A				
Power Supply				1~/220-240V/50Hz				
Controller		Wired/Wireless		BRC1D52 (Standard) / BRC7C528 (Optional)				

Outdoor Unit				RZQ71DV1	RZQ100DV1	RZQ100BW1	RZQ125DV1	RZQ125BW1
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320		1345x900x320	
Weight			kg	67	108	106	108	106
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0				
	Heating	Min~Max	°CWB	-20.0~15.5				
Sound Power		Cooling	dBA	64	65		67	66
Sound Pressure (Standard)		Cooling	dBA	48	50		51	50
		Heating	dBA	50	52		53	52
Sound Level (Night quiet)		Sound Pressure	dBA	43	45			
Refrigerant			Type	R-410A				
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26				
Piping Length (Maximum)			m	50	75			
Max. internunit level difference			m	0.5				
Max installation height difference			m	30				

INVERTER

FHQ-B / RKS-G/F

Ceiling Suspended Unit

BRC1D52

BRC7E66

FHQ35, 50B

RKS35G

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Ideal solution for shops, restaurants or offices without false ceilings
- Easy installation and maintenance
- Auto-swing function ensures efficient air and temperature distribution.
- Air flow distribution for ceiling heights up to 3.8m without loss of capacity.
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications

COOLING ONLY				INVERTER		
Indoor Units				**FHQ35BVV1B**	**FHQ50BVV1B**	**FHQ60BVV1B**
Capacity	Cooling capacity	Minimum	kW	1.4	1.7	1.7
		Standard	kW	3.4	5.0	5.7
		Maximum	kW	3.7	5.6	6.0
EER	Nominal			3.24	2.73	2.65
Annual energy consumption			kWh	525	915	1075
Energy Label	cooling			A	D	D
Dimensions	(Height x Width x Depth)		mm	195x960x680	195x960x680	195x1160x680
Weight			kg	24.0	25.0	27.0
Air Flow Rate	Cooling	High/Low	m^3/min	13.0 / 10.0	13.0 / 10.0	17.0 / 13.0
Sound Power	Cooling	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0
	Heating	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	-
Sound Pressure	Cooling	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0
Refrigerant			Type	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz

Outdoor Unit				**RKS35G2V1B**	**RKS50G2V1B**	**RKS60F2V1B**
Dimensions	(Height x Width x Depth)		mm	550x765x285	735x825x300	735x825x300
Weight			kg	34	48	47
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
Sound Power		Cooling	dBA	62	61	63
Sound Pressure (Low)		Cooling	dBA	44	44	46
Sound Pressure (High)		Cooling	dBA	48	48	49
Refrigerant			Type	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas		mm	6.35 / 9.52	6.35 / 12.7	6.35 / 12.7
Piping Length (Maximum)			m	20	30	30
Max Installation Height Difference			m	15	20	20

INVERTER

FHQ-B / RXS-G/F

Ceiling Suspended Unit

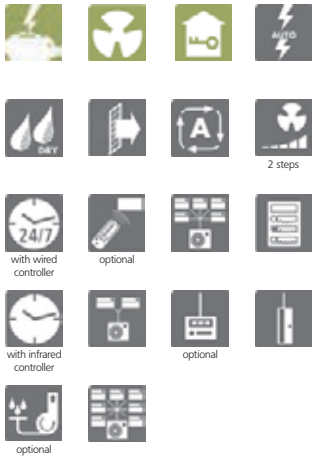
BRC1D52 BRC7E63

FHQ35, 50B

RXS35G

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Ideal solution for shops, restaurants or offices without false ceilings
- Easy installation and maintenance
- Auto-swing function ensures efficient air and temperature distribution.
- Air flow distribution for ceiling heights up to 3.8m without loss of capacity.

- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications



HEAT PUMP				INVERTER		
Indoor Units				**FHQ35BVV1B**	**FHQ50BVV1B**	**FHQ60BVV1B**
Capacity	Cooling capacity	Minimum	kW	1.4	1.7	1.7
		Standard	kW	3.4	5.0	5.7
		Maximum	kW	3.7	5.6	6.0
	Heating capacity	Minimum	kW	1.2	1.7	1.7
		Standard	kW	4.0	6.0	7.2
		Maximum	kW	5.0	7.0	8.0
EER / COP	Cooling / Heating			3.24 / 3.60	2.73 / 2.93	2.65 / 2.89
Annual energy consumption			kWh	525	915	1075
Energy Label	cooling / heating			A / A	D / C	D / D
Dimensions	(Height x Width x Depth)		mm	195x960x680	195x960x680	195x1160x680
Weight			kg	24.0	25.0	27.0
Air Flow Rate	Cooling	High/Low	m^3/min	13.0 / 10.0	13.0 / 10.0	17.0 / 13.0
	Heating	High/Low	m^3/min	13.0 / 10.0	13.0 / 10.0	16.0 / 13.0
Sound Power	Cooling	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0
	Heating	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	-
Sound Pressure	Cooling	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0
	Heating	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0
Refrigerant			Type	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz

Outdoor Unit				**RXS35G2V1B**	**RXS50G2V1B**	**RXS60F2V1B**
Dimensions	(Height x Width x Depth)		mm	550x765x285	735x825x300	735x825x300
Weight			kg	34	48	48
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46
	Heating	Min~Max	°CWB	-15~20	-15~20	-15~18
Sound Power		Cooling	dBA	63	61	63
Sound Pressure (Low)		Cooling	dBA	44	44	46
		Heating	dBA	45	45	46
Sound Pressure (High)		Cooling	dBA	48	48	49
		Heating	dBA	48	48	49
Refrigerant			Type	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas		mm	6.35/9.52	6.35/12.7	6.35/12.7
Piping Length (Maximum)			m	20	30	30
Max Installation Height Difference			m	15	20	20

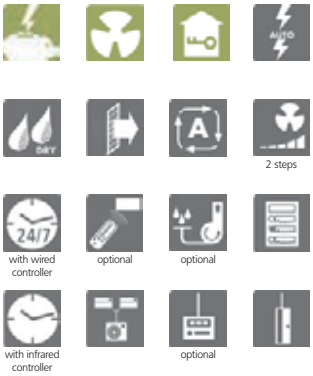
FHQ-B / RZQS-D

Ceiling Suspended Unit

BRC1D52 BRC7E63 FHQ71B RZQS100,125D

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Ideal solution for shops, restaurants or offices without false ceilings
- Easy installation and maintenance
- Auto-swing function ensures efficient air and temperature distribution.

- Air flow distribution for ceiling heights up to 3.8m without loss of capacity.
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications



HEAT PUMP				COMFORT INVERTER		
Indoor Units				**FHQ71B**	**FHQ100B**	**FHQ125B**
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.5
	Heating capacity	Standard	kW	8.0	11.2	14.0
EER / COP	Cooling / Heating			2.83 / 2.91	2.81 / 2.91	2.75 / 2.88
Annual energy consumption			kWh	1254	1779	2273
Energy Label	cooling / heating			C / D		D / D
Dimensions	(Height x Width x Depth)		mm	195x1160x680	195x1400x680	195x1590x680
Weight			kg	27.0	32.0	35.0
Air Flow Rate	Cooling	High/Low	m³/min	17.0 / 14.0	24.0 / 20.0	30.0 / 25.0
	Heating	High/Low	m³/min	17.0 / 14.0	24.0 / 20.0	30.0 / 25.0
Sound Power	Cooling	High/Low	dBA	55.0 / 51.0	58.0 / 53.0	60.0 / 55.0
	Heating	High/Low	dBA	55.0 / 51.0	58.0 / 53.0	60.0 / 55.0
Sound Pressure	Cooling	High/Low	dBA	39.0 / 35.0	42.0 / 37.0	44.0 / 39.0
	Heating	High/Low	dBA	39.0 / 35.0	42.0 / 37.0	44.0 / 39.0
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Controller		Wired/Wireless		BRC1D52 (Standard) / BRC7E63 (Optional)		

Outdoor Unit				**RZQS71DV1**	**RZQS100DV1**	**RZQS125DV1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1170x900x320	
Weight			kg	68	103	
Operation Range	Cooling	Min~Max	°CDB	-5~46		
	Heating	Min~Max	°CWB	-15~15.5		
Sound Power		Cooling	dBA	65	67	
Sound Pressure (Standard)		Cooling	dBA	49	51	
		Heating	dBA	51	55	53
Sound Level (Night quiet)		Sound Pressure	dBA	47	49	
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26		
Piping Length (Maximum)			m	30	50	
Max. interunit level difference			m	0.5		
Max Installation Height Difference			m	15	30	

FHQ-B / RZQ-D/BW1

Ceiling Suspended Unit

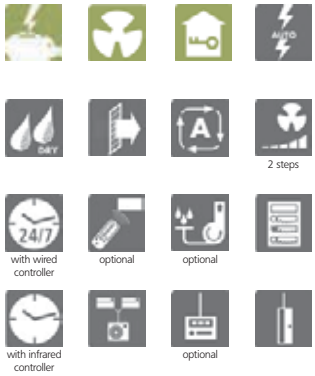

BRC1D52 BRC7E63


FHQ71B


RZQ100,125D

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Ideal solution for shops, restaurants or offices without false ceilings
- Easy installation and maintenance
- Auto-swing function ensures efficient air and temperature distribution.
- Air flow distribution for ceiling heights up to 3.8m without loss of capacity.
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications

- Communications, computer and server room cooling possible with EDP setting.
- Re-use of existing R22 and R407C piping possible. (See R22 Replacement leaflet)



HEAT PUMP				SUPER INVERTER				
Indoor Units				**FHQ71B**	**FHQ100B**		**FHQ125B**	
Nominal Capacity	Cooling capacity	Standard	kW	7.1	10.0		12.5	
	Heating capacity	Standard	kW	8.0	11.2		14.0	
EER / COP	Cooling / Heating			3.03 / 3.10	3.18 / 3.27	3.17 / 3.11	2.95 / 3.27	2.81 / 3.11
Annual energy consumption			kWh	1172	1572	1575	2119	2225
Energy Label	cooling / heating			B / D	B / C	B / D	C / C	C / D
Dimensions	(Height x Width x Depth)		mm	195x1160x680	195x1400x680		195x1590x680	
Weight			kg	27.0	32.0		35.0	
Air Flow Rate	Cooling	High/Low	m³/min	17.0 / 14.0	24.0 / 20.0		30.0 / 25.0	
	Heating	High/Low	m³/min	17.0 / 14.0	24.0 / 20.0		30.0 / 25.0	
Sound Power	Cooling	High/Low	dBA	55.0 / 51.0	58.0 / 53.0		60.0 / 55.0	
Sound Pressure	Cooling	High/Low	dBA	39.0 / 35.0	42.0 / 37.0		44.0 / 39.0	
	Heating	High/Low	dBA	39.0 / 35.0	42.0 / 37.0		44.0 / 39.0	
Refrigerant			Type	R-410A				
Power Supply				1~/220-240V/50Hz				
Controller		Wired/Wireless		BRC1D52 (Standard) / BRC7E63 (Optional)				

Outdoor Unit				**RZQ71DV1**	**RZQ100DV1**	**RZQ100BW1**	**RZQ125DV1**	**RZQ125BW1**
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320		1345x900x320	
Weight			kg	67	108	106	108	106
Sound pressure level	Cooling (Night quiet mode)		dBA	48 (43)	50 (45)	50 (45)	51 (45)	50 (45)
	Heating		dBA	50	52	52	53	52
Sound power level	Cooling		dBA	64	65		67	66
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0				
	Heating	Min~Max	°CWB	-20.0~15.5				
Refrigerant			Type	R-410A				
Power Supply				1~/230V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz	3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26				
Piping Length (Maximum)			m	50	75			
Max. interunit level difference			m	0.5				
Max Installation Height Difference			m	30				

FHQ-B / REQ-B

Ceiling Suspended Unit

BRC1D52

BRC7E63

FHQ71B

REQ71B

- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 actions per day possible.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
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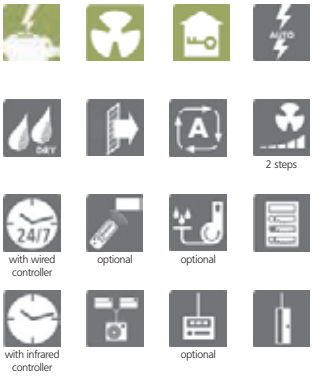


HEAT PUMP				NON-INVERTER				
Indoor Units				**FHQ71BVV1B**		**FHQ100BVV1B**		**FHQ125BVV1B**
Capacity	Cooling capacity	Standard	kW	7.1		9.8		12.2
	Heating capacity	Standard	kW	8		11.2		14.5
Annual energy consumption			kWh	1350	1325	1875	1840	2255
EER / COP	Cooling / Heating			2.63 / 2.81	2.68 / 2.86	2.61 / 2.71	2.66 / 2.79	2.71 / 2.81
Energy Label	cooling / heating			D / D		D / E		D / D
Dimensions	(Height x Width x Depth)		mm	195x1160x680		195x1400x680		195x1590x680
Weight			kg	27.0		32.0		35.0
Air Flow Rate	Cooling	High/Low	m³/min	17.0 / 14.0		24.0 / 20.0		30.0 / 25.0
	Heating	High/Low	m³/min	17.0 / 14.0		24.0 / 20.0		30.0 / 25.0
Sound Power	Cooling	High/Low	dBA	55.0 / 51.0		58.0 / 53.0		60.0 / 55.0
Sound Pressure	Cooling	High/Low	dBA	39.0 / 35.0		42.0 / 37.0		44.0 / 39.0
	Heating	High/Low	dBA	39.0 / 35.0		42.0 / 37.0		44.0 / 39.0
Refrigerant			Type	R-410A				
Power Supply				1~/220-240V/50Hz				

Outdoor Unit				**REQ71B8V3B**	**REQ71B8W1B**	**REQ100B8V3B**	**REQ100B8W1B**	**REQ125B8W1B**
Dimensions	(Height x Width x Depth)		mm	770x900x320		1170x900x320		
Weight			kg	83		102	100	108
Operation Range	Cooling	Min~Max	°CDB	10.0~46.0				
	Heating	Min~Max	°CWB	-10~15				
Sound Level (nominal)	Sound Power	Cooling	dBA	65.0		70.0		
	Sound Pressure	Cooling	dBA	53.0		57.0		
Refrigerant			Type	R-410A				
Power Supply				1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26				
Piping Length (Maximum)			m	50				
Max Installation Height Difference			m	30				

UAT(Y)P-A
Rooftop

UAT(Y)P-A

Wired Controller (Model UAT(Y)P180~320AMY1)
- On/Off & Auto-restart
- Temperature setting (between 16 to 32 °C)
- Operation modes: AUTO, COOL, DRY, HEAT, FAN
- Fan speed selection & automatic air swing function
- Timer (setting range between 1 to 15 hours)
- "Sleep" mode

Sequential Controller (Model UAT(YP450~C12AMY1)
- On/Off & Auto-restart
- Temperature setting (between 16 to 32 °C)
- Operation modes: AUTO, COOL, HEAT, FAN
- Save mode (energy saving function)
- Auxiliary Electric Heater
- 7-days schedule Timer

- 'Plug and Play' installation: the single unit configuration requires no additional piping work as both the indoor and outdoor sides are preconnected.
- Refrigerant is factory pre-charged to ensure clean and efficient operation.
- The air volume and static pressure required can be adjusted according to the requirement because of the use of a belt driven fan.
- The flat top design of the unit allows for maximum utilization of warehouse and container space.
- High efficiency and reliable scroll compressor.
- Convertible: fan can be mounted in two directions (Class 240-280-320-450-560).
- Coil with anti-corrosion treatment.
- Connection to multi outdoor possible

COOLING ONLY				NON-INVERTER									
Outdoor Units				UATP180AMY1	UATP240AMY1	UATP280AMY1	UATP320AMY1	UATP450AMY1	UATP560AMY1	UATP700AMY1	UATP850AMY1	UATPC10AMY1	UATPC12AMY1
Capacity	Cooling	Minimum	kW	17.291	21.101	27.842	32.238	41.030	55.684	67.406	82.939	97.007	121.624
		Nominal	kW	5.89	8.70	11.60	12.18	17.20	25.10	28.70	40.16	41.87	48.80
EER	Cooling			2.94	2.43	2.40	2.65	2.39	2.22	2.35	2.07	2.32	2.49
Air Flow Rate evaporator	Cooling		m^3/min	51	80	100	102	160	190	227	263	312	354
External Static Pressure			Pa	98				196		294			
Condensation Drain Size	Diameter		mm	25.4									
Casing	Colour			Light Grey									
	Material			Electro galvanised mild steel									
Dimensions	HxWxD		mm	1000x1100x1530	1000x1300x1530			1200x1990x1670		1735x2250x2800		1974x2252x3180	
Weight	Unit		kg	295	370	400	425	665	765	1200	1350	1510	1600
Air Flow Rate condensor	Cooling		m^3/min	127	160		227	320		566			
Operation Range	Cooling	Min-Max	°CDB	20°C - 46°C									
Sound Level	Sound Power		dBA	63	65	66	68	70	70	74	74	80	80
Refrigerant	Type			R-407C									
Power Supply				3~/50Hz/380-415V									

HEAT PUMP				NON-INVERTER									
Outdoor Units				UATYP180AMY1	UATYP240AMY1	UATYP280AMY1	UATYP320AMY1	UATYP450AMY1	UATYP560AMY1	UATYP700AMY1	UATYP850AMY1	UATYPC10AMY1	UATYPC12AMY1
Capacity	Cooling	Minimum	kW	16.705	21.101	25.790	29.307	43.668	55.684	67.406	82.939	101.110	109.609
	Heating	Nominal	kW	20.222	22.566	29.89	35.755	46.891	67.406	74.733	92.317	102.290	126.314
EER	Cooling			2.44	2.51	2.38	2.28	2.64	2.63	2.31	2.17	2.34	2.27
COP	Heating			3.06	2.99	3.05	3.11	2.98	3.32	2.85	2.65	2.45	2.70
Air Flow Rate evaporator	Cooling		m^3/min	51	80	100	102	160	190	226	263	312	354
External Static Pressure			Pa	98				196		294			
Condensation Drain Size	Diameter	(OD)	mm	25.4									
Casing	Colour			Light Grey									
	Material			Electro galvanised mild steel									
Dimensions	Unit	HxWxD	mm	1000x1100x1530				1200x1990x1800		1735x2250x2800		1974x2252x3180	
Weight	Unit		kg	320	385	415	440	700	800	12000	1350	1510	1600
Air Flow Rate condensor	Cooling		m^3/min	127	160		283	320		566			
Operation Range	Cooling	Min-Max	°CDB	20°C – 46°C									
	Heating	Min-Max	°CWD	-15°C – 20°C									
Sound Level	Sound Power		dBA	63	65	66	68	70	70	74	74	80	80
Refrigerant	Type			R-407C									
Power Supply				3~/50Hz/380-415V									

CITYM-DK-F

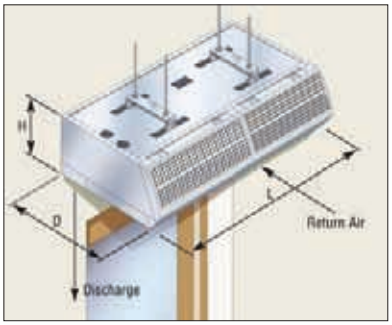
AIR CURTAINS FOR SKY AIR

Biddle CITY air curtains are the ideal solution for retailers and consultants to combat the issue of climate separation across their outlet or office doorway. Using a combination of rectifier technology, optimised air velocity and temperature control they deliver greater comfort to staff and customers alike, all year round, in all weathers.

In conjunction with Biddle, Daikin now introduce the Sky Air, air curtain to the market, coupling the benefits of the Biddle City air curtain technology with the benefits of the Daikin Sky Air super inverter.

Biddle CITYM air curtain for Daikin's Sky Air, with Daikin's Commercial Multi System
= Highly energy efficient solution

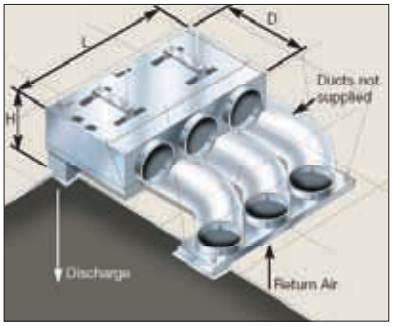
A total heating and cooling solution from the CMS and maintained store entrance temperature from the air curtain with Sky Air.



Exposed Model (F)

CITYM-DK-F (Exposed Model)

Air curtain			CITYM150DK-F	CITYM200DK-F
Capacity	Heating (speed 1/2)	kW	7.41 / 11.20	9.03 / 14.00
Dimensions	(Height x Width x Depth)	mm	297 x 1500 x 590	297 x 2000 x 590
Weight		kg	65	84
Air Flow Rate	(speed 1/2)	m³/h	1836 / 2408	2444 / 3211
Sound Pressure (at 3m)	(speed 1/2)	dBA	46 / 51	47 / 53
Refrigerant		Type	R-410A	R-410A
Power Supply			1~/230V/50Hz	1~/230V/50Hz
Max door width		m	1.5	2.0
Max mounting height		m	3.2	3.2

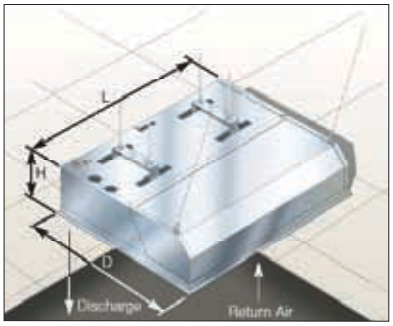


Ceiling Recessed Model (R)

CITYM-DK-R (Ceiling Recessed Model)

Air curtain			CITYM150DK-R	CITYM200DK-R
Capacity	Heating (speed 1/2)	kW	7.41 / 11.20	9.03 / 14.00
Dimensions	(Height x Width x Depth)	mm	*297 x 1500	*297 x 2000 x 565
Weight		kg	85	113
Air Flow Rate	(speed 1/2)	m³/h	1836 / 2408	2444 / 3211
Sound Pressure (at 3m)	(speed 1/2)	dBA	46 / 51	47 / 53
Refrigerant		Type	R-410A	R-410A
Power Supply			1~/230V/50Hz	1~/230V/50Hz
Max door width		m	1.5	2.0
Max mounting height		m	3.2	3.2

*Plus Telescopic Discharge Section adding 80-125mm



Cassette Model (C)

CITYM-DK-C (Cassette Model)

Air curtain			CITYM150DK-C	CITYM200DK-C
Capacity	Heating (speed 1/2)	kW	7.41 / 11.20	9.03 / 14.00
Dimensions	(Height x Width x Depth)	mm	297 x 1500 x 821	297 x 2000 x 821
Weight		kg	82	107
Air Flow Rate	(speed 1/2)	m³/h	1836 / 2408	2444 / 3211
Sound Pressure (at 3m)	(speed 1/2)	dBA	46 / 51	47 / 53
Refrigerant		Type	R-410A	R-410A
Power Supply			1~/230V/50Hz	1~/230V/50Hz
Max door width		m	1.5	2.0
Max mounting height		m	3.2	3.2

DAIKIN – BIDDLE TECHNOLOGY

The CITYM air curtain automatically operates as a heating or ambient air curtain to maintain year round store entrance temperature and minimise heat loss and heat gains through the doorway.

- **The CITYM air curtain offers energy consumption savings of up to 67% compared to a typical electrically heated air curtain, providing payback times of less than 2 1/2 years.**
- Biddle CITYM air curtains connect to selected Daikin super inverter models.
- Inverter compressor control ensures automatic and efficient operation of heating output as required, maintaining temperature.
- Air curtain Rectifier technology offers a deeply penetrating airstream. The Rectifier technology has a European Patent.
- 90% air curtain separation efficiency at optimum height, reducing heat loss.
- Constant fan operation, even after heating set point temperature is achieved.

Daikin's Super Inverter

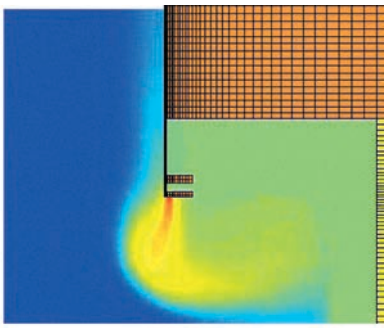
Inverter control enables Daikin to bring air conditioning technology of the future to the market today. Super inverter control cuts start up time and reduces energy consumption by up to 67%.

- The Biddle CITY air curtain connects to Daikin's sky air RZQ100, RZQ140, 1 phase and 3 phase models
- The CITYM 150 DK models connect to the Sky Air RZQ100
- The CITYM 200 DK models connect to the Sky Air RZQ140

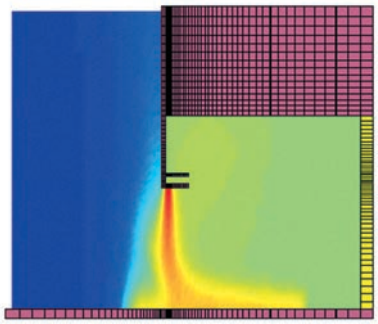
Biddle's rectifier technology (European Patent)

By reducing the air turbulence at the discharge of the air curtain, the induction of the surrounding air is also reduced, providing a deeply penetrating airstream.
In addition the design of the rectifier provides a laminar air flow right down to floor level, reducing energy consumption and increasing comfort levels all year round.

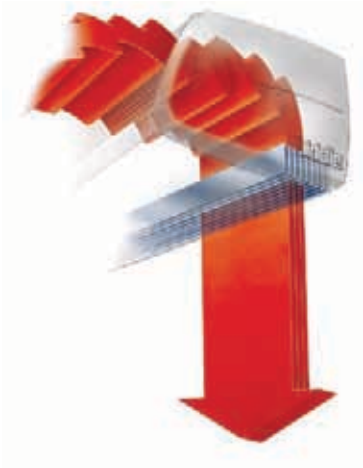
- Laminar air flow stream – Minimizes air turbulence
- Reduced energy loss
- Improved penetration – greater comfort levels.



Standard air curtain, with turbulent air stream and loss of airflow – **low separation efficiency**



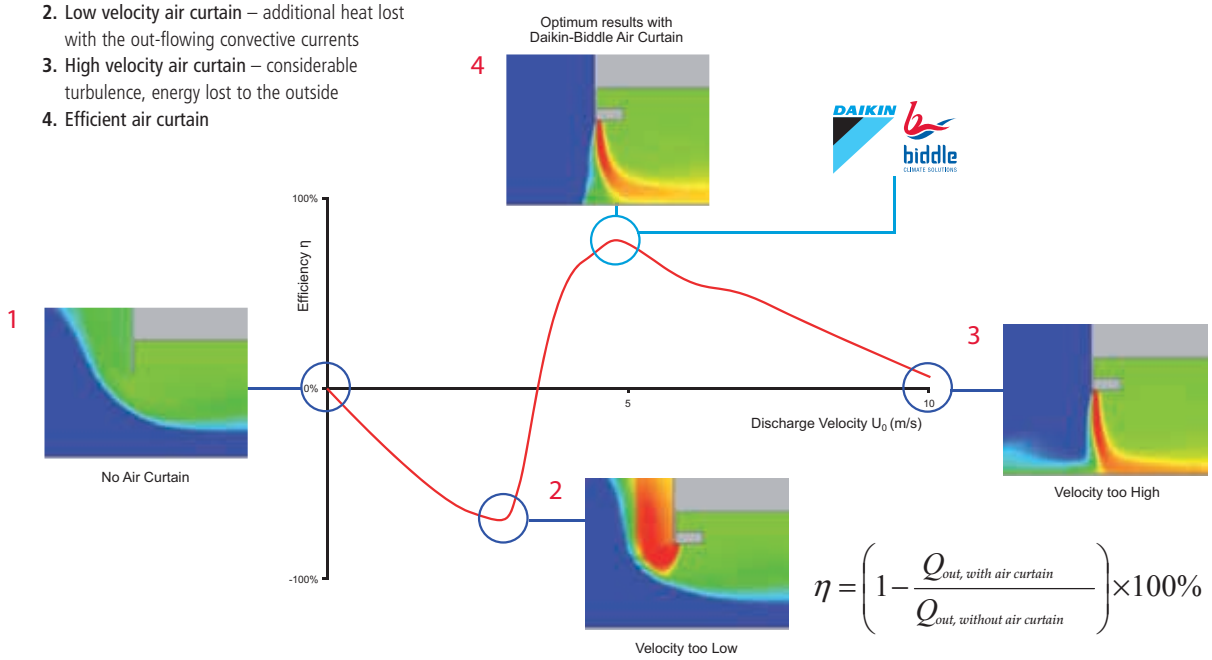
Daikin-Biddle air curtain with patented rectifier grille – **separation efficiency up to 90%**



Biddle's optimised air flow velocity

The correct air flow velocity greatly improves the air curtain efficiency and when combined with the rectifier technology, results in high separation efficiencies.

1. **Energy losses** – no air curtain fitted
2. **Low velocity air curtain** – additional heat lost with the out-flowing convective currents
3. **High velocity air curtain** – considerable turbulence, energy lost to the outside
4. **Efficient air curtain**



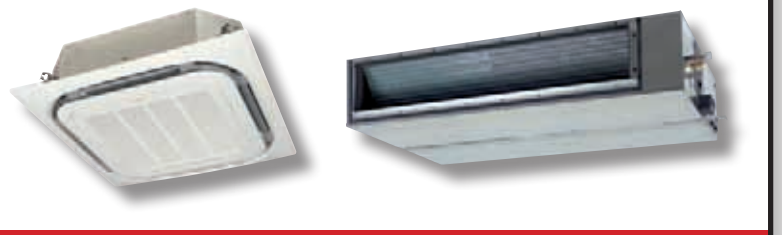
$$\eta = \left(1 - \frac{Q_{out,\ with\ air\ curtain}}{Q_{out,\ without\ air\ curtain}}\right) \times 100\%$$

COMMERCIAL **MULTI SYSTEM**

Daikin has extended its Sky Air inverter range with the new CMSQ series.
This inverter controlled heat pump system is especially designed for light commercial applications with multiple areas requiring great flexibility and control. The CMSQ is ideal for shops, restaurants, small offices and even 2-storey areas.

- **Two classes available:** 20kW and 25kW
- **Energy efficient:** EER up to 3.71 and COP up to 4.1 - up to energy class A.
- **Inverter control:** ensures constant room temperatures and maximum efficiency, especially in partial load situations.
- **Indoor units:** Roundflow cassette and concealed ceiling unit, both in a range of capacities from 5.0 to 12.5 kW
- **Individual control:** ideal for applications which require flexible control, but do not have a need for simultaneous heating and cooling. Up to 4 indoor units can be connected and controlled individually.
- **Asymmetric combination:** different capacities and combinations of indoor units is possible
- **Flexible installation:** the outdoor unit is very flexible thanks to the increased piping length of 165m and the possibility to install the unit on the roof, against an outside wall or even indoors.
- Level difference between outdoor and indoor unit up to 30m
- Height difference between the indoor units is up to 4m, which means two-storey applications are possible.
- REFNET piping system for optimum refrigerant flow
- **Low noise levels:** with sound levels as low as 57 dBA (normal operation) and 45 dBA (night mode).
- **Control Systems:** Connectable to the Intelligent Touch Controller and Intelligent Manager control systems.



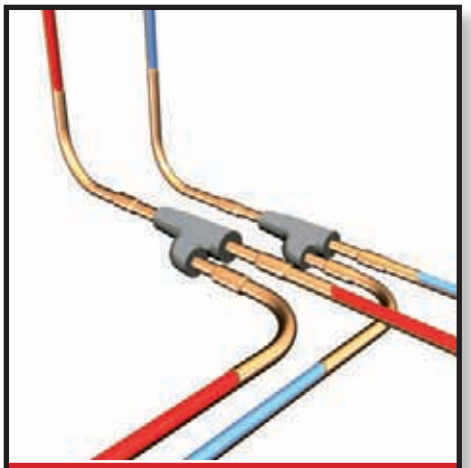


ASYMMETRIC COMBINATION:
different size and types of indoor units are possible

OUTDOOR UNIT: can be mounted easily on a roof, placed against an outside wall or even located indoors

REMOTE CONTROLLERS:
all indoor units can be controlled individually via wired or infrared remote control

PIPING LENGTH INDOOR – OUTDOOR
Maximum piping length outdoor-all indoors: up to 165m. Maximum installation height difference outdoor-indoor: up to 30m



REFNET: designed for simple installation

INDOOR – OUTDOOR COMBINATIONS

OUTDOOR TYPE	NUMBER OF CONNECTABLE INDOORS	INDOOR TYPE	CAPACITY INDEX 1	CAPACITY INDEX 2	CAPACITY INDEX 3	CAPACITY INDEX 4	TOTAL CAPACITY INDEX	REFNET
CMSQ200A	2	FMCQ/FMDQ	50	50			100	KHRQ22M20TA
			50	60			110	KHRQ22M20TA
			50	71			121	KHRQ22M20TA
			50	100			150	KHRQ22M20TA
			50	125			175	KHRQ22M20TA
			60	60			120	KHRQ22M20TA
			60	71			131	KHRQ22M20TA
			60	100			160	KHRQ22M20TA
			60	125			185	KHRQ22M20TA
			71	71			142	KHRQ22M20TA
			71	100			171	KHRQ22M20TA
			71	125			196	KHRQ22M20TA
			100	100			200	KHRQ22M20TA
CMSQ200A	3	FMCQ/FMDQ	50	50	50		150	2 x KHRQ22M20TA
			50	50	60		160	2 x KHRQ22M20TA
			50	50	71		171	2 x KHRQ22M20TA
			50	50	100		200	2 x KHRQ22M20TA
			50	60	60		170	2 x KHRQ22M20TA
			50	60	71		181	2 x KHRQ22M20TA
			50	71	71		192	2 x KHRQ22M20TA
			60	60	60		180	2 x KHRQ22M20TA
			60	60	71		191	2 x KHRQ22M20TA
CMSQ200A	4	FMCQ/FMDQ	50	50	50	50	200	3 x KHRQ22M20TA
CMSQ250A	2	FMCQ/FMDQ	50	100			150	KHRQ22M29T9
			50	125			175	KHRQ22M29T9
			60	71			131	KHRQ22M29T9
			60	100			160	KHRQ22M29T9
			60	125			185	KHRQ22M29T9
			71	71			142	KHRQ22M29T9
			71	100			171	KHRQ22M29T9
			71	125			196	KHRQ22M29T9
			100	100			200	KHRQ22M29T9
			100	125			225	KHRQ22M29T9
			125	125			250	KHRQ22M29T9
CMSQ250A	3	FMCQ/FMDQ	50	50	50		150	KHRQ22M29T9 + KHRQ22M20TA
			50	50	60		160	KHRQ22M29T9 + KHRQ22M20TA
			50	50	71		171	KHRQ22M29T9 + KHRQ22M20TA
			50	50	100		200	KHRQ22M29T9 + KHRQ22M20TA
			50	50	125		225	KHRQ22M29T9 + KHRQ22M20TA
			50	60	60		170	KHRQ22M29T9 + KHRQ22M20TA
			50	60	71		181	KHRQ22M29T9 + KHRQ22M20TA
			50	60	100		210	KHRQ22M29T9 + KHRQ22M20TA
			50	60	125		235	KHRQ22M29T9 + KHRQ22M20TA
			50	71	71		192	KHRQ22M29T9 + KHRQ22M20TA
			50	71	100		221	KHRQ22M29T9 + KHRQ22M20TA
			50	71	125		246	KHRQ22M29T9 + KHRQ22M20TA
			60	60	60		180	KHRQ22M29T9 + KHRQ22M20TA
			60	60	71		191	KHRQ22M29T9 + KHRQ22M20TA
			60	60	100		220	KHRQ22M29T9 + KHRQ22M20TA
			60	60	125		245	KHRQ22M29T9 + KHRQ22M20TA
			71	71	71		213	KHRQ22M29T9 + KHRQ22M20TA
			71	71	100		242	KHRQ22M29T9 + KHRQ22M20TA
CMSQ250A	4	FMCQ/FMDQ	50	50	50	50	200	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	50	50	60	210	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	50	50	71	221	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	50	50	100	250	KHRQ22M29T9 + 2 x KHRQ22M20TA (1) 2 x KHRQ22M29T9 + KHRQ22M20TA (2)
			50	50	60	60	220	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	50	60	71	231	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	60	60	60	230	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	60	60	71	241	KHRQ22M29T9 + 2 x KHRQ22M20TA
			60	60	60	60	240	KHRQ22M29T9 + 2 x KHRQ22M20TA
			60	60	60	71	251	KHRQ22M29T9 + 2 x KHRQ22M20TA

Notes: (1) when indoor 100 is the first - (2) when indoor 50 is the first

Remark: in case 2 different refnets are being used, KHRQ22M29T9 needs to be installed first in line

CMSQ-A

Especially developed for light commercial multi applications such as shops, restaurants and small offices.

- **Two classes available:** 20kW and 25kW
- **Energy efficient:** EER up to 3.71 and COP up to 4.1
- **Two types of connectable indoor units:** unique Roundflow cassette (FMCQ) and concealed ceiling unit (FMDQ), both in a range of capacities from 5.0 to 12.5 kW
- **Individual control:** up to 4 indoors can be connected and controlled individually
- **Asymmetric combination:** different capacities between indoor units is allowed
- **Flexible installation:** can be mounted on a roof, placed against an outside wall, or installed indoors
- Total system piping length of 200m
- Level difference between outdoor and indoor unit up to 30m
- Height difference between the indoor units up to 4m (two-storey shop application possible)
- REFNET piping system for optimum refrigerant flow
- Extremely quiet in operation, with sound levels as low as 57 dBA (normal operation) and 45 dBA (night mode).
- Connectable to the Intelligent Touch Controller and Intelligent Manager control systems

CMSQ-A

HEAT PUMP				CMSQ200A7W1B	CMSQ250A7W1B
Nominal capacity		cooling	kW	20.0	25.0
		heating	kW	22.4	28.0
Nominal input		cooling	kW	6.60	6.74
		heating	kW	5.80	6.83
EER				3.03	3.71
COP				3.86	4.10
Power supply			PHVHz	3N~, 400V, 50Hz	
Dimensions		HxWxD	mm	1,680x635x765	1,680x930x765
Weight			kg	159	187
Colour				Daikin White	
External static pressure			Pa	78 Pa in high static pressure	
Sound pressure level		cooling	dB(A)	57	59
Sound pressure, night quiet mode (level 1-2-3)		cooling	dB(A)	55-50-45	
Sound power level (nom)		cooling	dB(A)	78	81
Compressor			type	Hermitically sealed scroll compressor	
Refrigerant type				R-410A	
Refrigerant charge			kg	6.2	7.7
Refrigerant oil				Synthetic (ether) oil	
Refrigerant oil charged volume			l	1.7	2.1
Total system piping length (outdoor to all indoor units)			m	200	
Maximum piping length (outdoor - indoor units)			m	165	
Maximum installation height difference (outdoor-indoor units)			m	30	
Maximum interunit level difference (indoor-indoor)			m	4	
Maximum connectable indoor units				4	
Piping connections		liquid (O.D.)	mm	9.52	
		gas (O.D.)	mm	15.9	19.1
Operation range	cooling	from ~ to	°CDB	- 5.0 ~ 43.0	
	heating	from ~ to	°CWB	- 20.0 ~ 15.0	

OPTIONAL ACCESSORIES

NAME OF OPTION	CMSQ200A7W1B	CMSQ250A7W1B
Refnet header	KHRQ22M29H	
Refnet joint	KHRQ22M20T	
	-	KHRQ22M29T9
Central drain pan kit	KWC26B160	KWC26B280

FMCQ-A

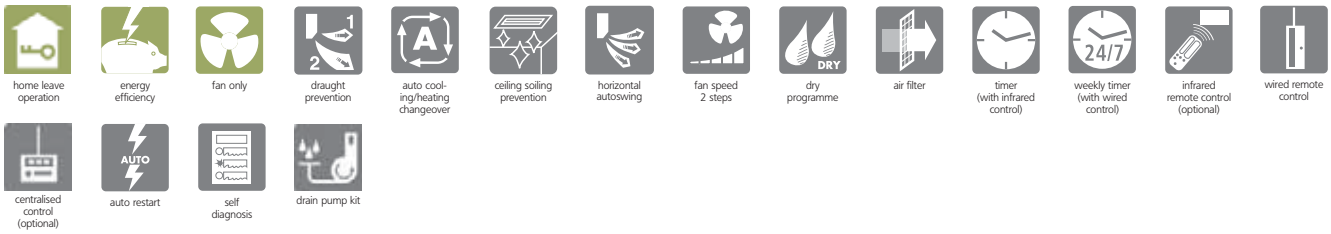
Roundflow Cassette

White with white louvres

White with grey louvres

ROUND FLOW

- The thin body of the unit is the solution for customers requiring a compact unit for use with false ceilings: the required installation height is only 214mm for class 50-60
- **Modern style decoration panel, available in 2 different variations:**
  - white with grey louvres
  - full white including white louvres especially designed for modern commercial interiors
- **Horizontal air discharge:** ensures draught free operation and prevents ceiling soiling.
- **Air flow flexibility:** a wide selection of 23 different airflow patterns enables unit installation in corners or small rooms.
- Air discharge from the corners avoids dead zones that may be subject to temperature differences
- **Fresh air intake:** up to 20%
- Standard high-lift drain pump kit (850mm)
- **Air purification filter:** removes airborne dust particles to ensure a steady supply of clean air
- **Quiet operation:** down to 29 dBA sound pressure level
- **Wired remote controller with weekly timer:** provides a 7-day schedule timer, enabling daily or weekly programming.
  Up to 5 actions per day possible
- **Fan speed:** 2 fan speeds can be selected



FMCQ-A

			FMCQ50A7VEB	FMCQ60A7VEB	FMCQ71A7VEB	FMCQ100A7VEB	FMCQ125A7VEB
Nominal capacity	cooling	kW	5.0	6.0	7.1	10.0	12.5
	heating	kW	5.6	6.7	8.0	11.2	14.0
Dimensions (HxWxD)	unit	mm	204x840x840		246x840x840		288x840x840
Weight	unit	kg	21		24		26
Casing			Galvanised steel plate				
Air flow rate (H/L)	cooling	m^3/min	15.5/10.0	16.5/11.0	23.5/14.5	26.5/17.0	33.0/20.0
	heating	m^3/min	15.0/9.5	17.5/12.0	23.5/14.5	28.0/17.5	33.0/20.0
Sound pressure level (H/L)	cooling	dB(A)	33/28	34/29	38/32	41/33	44/34
	heating	dB(A)	33/28	36/30	38/32	42/34	44/34
Sound power level	cooling	dB(A)	51	52	55	58	61
Power supply		PHVHz	1~,220-240/220,50/60				
Refrigerant type			R-410A				
Piping connections	liquid (O.D.)	mm	6.35	9.52			
	gas (O.D.)	mm	12.7	15.9			
	drain	mm	VP25 (O.D. 32, I.D. 25)				
Infrared remote control			BRC7F532F				
Wired remote control			BRC1D528				
Decoration panel	model		BYCQ140CW1 / BYCQ140CW1W				
	colour		White (RAL9010) with grey louvres / White with white louvres (RAL 9010)				
	dimensions (HxWxD)	mm	50x950x950				
	weight	kg	5.5				

OPTIONS

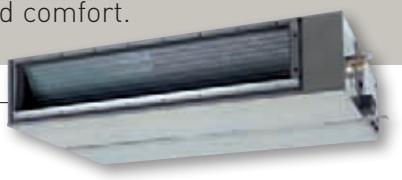
		FMCQ50A7VEB	FMCQ60A7VEB	FMCQ71A7VEB	FMCQ100A7VEB	FMCQ125A7VEB
Decoration panel		BYCQ140CW1 / BYCQ140CW1W				
Long life replacement filter	non woven type	KAFP551K160				
Fresh air intake kit (20% fresh air intake)	chamber type	KDDQ55C140				
Sealing member of air discharge outlet		KDBHQ55C140				

FMDQ-B

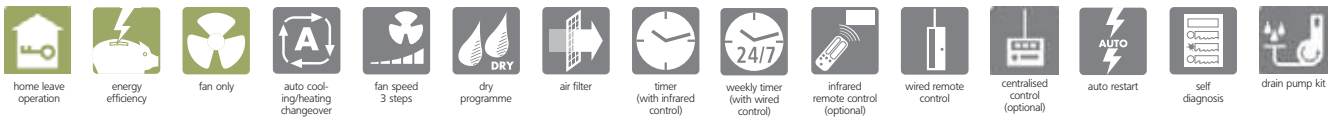
The new ducted unit with DC inverter driven fan offers lower energy input and higher performance and comfort.

Concealed ceiling unit Inverter fan

FMDQ-B



- Ideal for areas requiring maximum floor space for furniture, decorations and fittings. Only air suction and discharge grilles are visible
- **DC inverter fans:** large reduction in power consumption
- **3-step airflow control:** Comfort improved
- Maximum External Static Pressure (ESP) up to 120Pa. Flexible ducts of varying lengths can be easily used
- Possibility to change ESP through wired remote control allows optimisation of the supply air volume
- Automatic air flow adjustment towards nominal air flow rate to ease installation
- **Standard high-lift drain pump kit (625mm):** increases reliability of the drain system
- **Standard air filter:** removes airborne dust particles to ensure a steady supply of clean air
- **Low noise:** down to 29 dBA sound pressure level
- Wired remote controller with weekly timer: provides a 7-day schedule timer, enabling daily or weekly programming. Up to 5 actions per day possible
- **Fan speed:** 3 fan speeds can be selected



home leave operation | energy efficiency | fan only | auto cool-ing/heating changeover | fan speed 3 steps | dry programme | air filter | timer (with infrared control) | weekly timer (with wired control) | infrared remote control (optional) | wired remote control | centralised control (optional) | auto restart | self diagnosis | drain pump kit

FMDQ-B

			FMDQ50B	FMDQ60B	FMDQ71B	FMDQ100B	FMDQ125B
Nominal capacity	cooling	kW	5.0	6.0	7.1	10.0	12.5
	heating	kW	5.6	6.7	8.0	11.2	14.0
Nominal input	cooling	kW	0.192	0.142	0.163	0.247	0.303
	heating	kW	0.192	0.142	0.163	0.247	0.303
Dimensions (HxWxD)	unit	mm	300x700x700	300x1,000x700		300x1,400x700	
Weight	unit	kg	26	35		46	
Casing			Galvanised steel / non painted				
Air flow rate (H/L)	cooling	m^3/min	16/11	19.5/16	25/20	32/23	39/28
	heating	m^3/min	16/11	19.5/16	25/20	32/23	39/28
ESP (H/M)	max	Pa	100/30		100/40	120/40	120/50
Sound pressure level (H/L)	cooling	dB(A)	37/29	37/30	38/32	32	33
	heating	dB(A)	37/29	37/30	38/32	32	33
Sound power level	cooling	dB(A)	63	59	63	61	66
Refrigerant type			R-410A				
Piping connections	liquid (O.D.)	mm	6.4	9.5			
	gas (O.D.)	mm	12.7	15.9			
	drain	mm	VP25 (O.D.32/I.D25)				
Air filter			Resin net with mold resistance				
Drain-up height		mm	625				
Power supply		PHVHz	1~, 220-240/220, 50/60				
Infrared remote control			BRC4C65				
Wired remote control			BRC1D528				
Decoration panel	model		BYBS45DJW1	BYBS71DJW1		BYBS125DJW1	
	dimensions (HxWxD)	mm	55x800x500	55x1,100x500		55x1,500x500	
	weight	kg	3.5	4.5		6.5	

OPTIONS

	FMDQ50A7V3B	FMDQ60A73B	FMDQ71A7V3B	FMDQ100A7V3B	FMDQ125A7V3B
Decoration panel	BYBS45DJW1	BYBS71DJW1		BYBS125DJW1	
Service access panel	KTBJ25K56W	KTBJ25K80W	KTBJ25K160W		
High efficiency filter 65% (1)	KAFJ252L56	KAFJ252L80	KAFJ252L160		
High efficiency filter 90%	KAFJ253L56	KAFJ253L80	KAFJ253L160		
Filter chamber for bottom suction	KAJ25L56D	KAJ25L80D	KAJ25L160D		
Filter chamber for rear suction	KAJ25L56B	KAJ25L80B	KAJ25L160B		
Air suction canvas	KSA-25K56	KSA-25KA80	KSA-25K160		
Screening door / blind board	KBBJ25K56	KBBJ25K80	KBBJ25K160		
Air discharge adapter for round duct	KDAJ25KA56	KDAJ25KA140			

(1) If installing a high efficiency filter in the unit, an assembly chamber for either bottom or rear suction is required

Twin / Triple / Double Twin Applications & Multi Model Applications

INVERTER

Twin, Triple, Double Twin Application

It is possible to connect 2, 3 or 4 indoor units to a single outdoor unit. The indoor units may be of different types (e.g. 4-way blow ceiling mounted cassette, wall mounted, ...). All indoor units are operated together within the same mode (cooling or heating) from one remote control. This allows equal air distribution, even in larger, irregularly shaped rooms.

The total capacities (outdoor base) for simultaneous operation are the same as for the pair applications.

COMFORT INVERTER

	4 WAY CASSETTE 600x600	ROUND FLOW CASSETTE		CEILING SUSPENDED 4 WAY CASSETTE	CONCEALED CEILING		WALL MOUNTED	CEILING SUSPENDED
	FFQ-B	**FCQ-C**	**FCQH-D**	**FUQ-B**	**FBQ-C**	**FDQ-B**	**FAQ-B**	**FHQ-B**
RZQS71~140D (1 Phase)	●	●	●		●		●	●

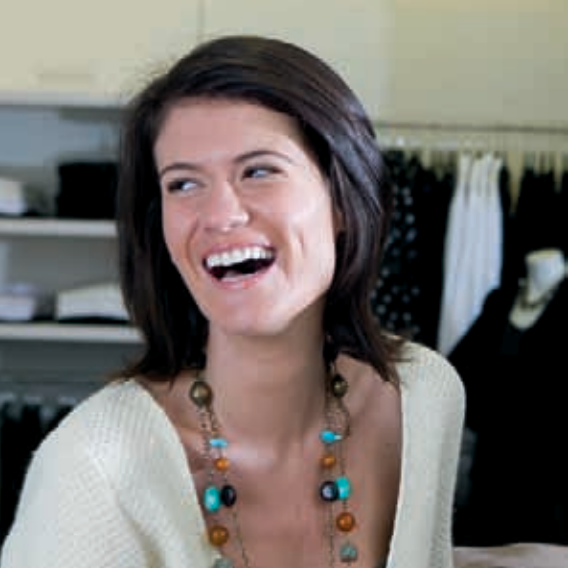
SUPER INVERTER

	4 WAY CASSETTE 600x600	ROUND FLOW CASSETTE		CEILING SUSPENDED 4 WAY CASSETTE	CONCEALED CEILING		WALL MOUNTED	CEILING SUSPENDED
	FFQ-B	**FCQ-C**	**FCQH-D**	**FUQ-B**	**FBQ-C**	**FDQ-B**	**FAQ-B**	**FHQ-B**
RZQ71~140D (1 Phase)	●	●	●	●	●		●	●
RZQ100~140BW1 (3 Phase)	●	●	●	●	●		●	●
RZQ200~250CY1 (3 Phase)	●	●	●	●	●	●	●	●

POSSIBLE COMBINATIONS

	TWIN	TRIPLE	DOUBLE TWIN
RZQ71 RZQS71	35+35 (KHRQ22M20TA)		
RZQ100* RZQS100	50+50 (KHRQ22M20TA)	35+35+35 (KHRQ127H)	
RZQ125* RZQS125	60+60 (KHRQ22M20TA)	50+50+50 (KHRQ127H)	35+35+35+35 (3 x KHRQ22M20TA)
RZQ140* RZQS140	71+71 (KHRQ22M20TA)	50+50+50 (KHRQ22M20TA)	35+35+35+35 (3 x KHRQ22M20TA)
RZQ200	100+100 (KHRQ22M20TA)	60+60+60 71+71+71 (KHRQ250H7)	50+50+50+50 (3 x KHRQ22M20TA)
RZQ250	125+125 (KHRQ22M20TA)		60+60+60+60 (3 x KHRQ22M20TA)

* Note: For RZQ100,125,140B8W1B in combination with FCQ35~71C or FCQH71D, use the refrigerant branch piping KHRQ58T for twin, KHRQ58H for triple and KHRQ58T for double twin application.



RZQS

Comfort Inverter Heat Pump

HEAT PUMP				
Indoor Units				**FAQ71BVV1B**
Dimensions	(Height x Width x Depth)		mm	290x1050x230
Weight			kg	13.0
Air Flow Rate	Cooling	High/Low	m³/min	19.0 / 15.0
	Heating	High/Low	m³/min	19.0 / 15.0
Sound Power	Cooling	High/Low	dBA	59.0 / 53.0
Sound Pressure	Cooling	High/Low	dBA	43.0 / 37.0
	Heating	High/Low	dBA	43.0 / 37.0
Refrigerant			Type	R-410A
Power Supply				1~/220-240V/50Hz

HEAT PUMP							
Indoor Units				**FBQ35C7VEB**	**FBQ50C7VEB**	**FBQ60C7VEB**	**FBQ71C7VEB**
Dimensions	(Height x Width x Depth)		mm	300x700x700		300x1000x700	
Weight			kg	25	25	34	34
Air Flow Rate	Cooling	High/Low	m³/min	16 / 11	16 / 11	18 / 15	18 / 15
	Heating	High/Low	m³/min	16 / 11	16 / 11	18 / 15	18 / 15
Sound Power	Cooling	High	dBA	63	63	57	57
Sound Pressure	Cooling	High/Low	dBA	37 / 29		37 / 29	
	Heating	High/Low	dBA	37 / 29		37 / 29	
Refrigerant			Type	R-410A			
Power Supply				1~/230V/50Hz			

HEAT PUMP							
Indoor Units				**FCQ35C7VEB**	**FCQ50C7VEB**	**FCQ60C7VEB**	**FCQ71C7VEB**
Dimensions	(Height x Width x Depth)		mm	204x840x840	204x840x840	204x840x840	204x840x840
Weight			kg	19	19	19	21
Air Flow Rate	Cooling	High/Low	m³/min	10.0 / 8.5	12.5 / 8.5	13.5 / 8.5	15.5 / 9.0
	Heating	High/Low	m³/min	12.5 / 10.0	12.5 / 8.5	13.5 / 8.5	16.5 / 9.5
Sound Power level	Cooling	High	dBA	49	49	51	51
Sound Pressure	Cooling	High/Low	dBA	31 / 27	32 / 27	33 / 28	33 / 28
	Heating	High/Low	dBA	31 / 27	32 / 27	33 / 28	34 / 28
Refrigerant			Type	R-410A	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50/60Hz	1~/220-240V/50/60Hz	1~/220-240V/50/60Hz	1~/220-240V/50/60Hz

HEAT PUMP

Indoor Units				FCQH71D7VEB
Dimensions	(Height x Width x Depth)		mm	246x840x840
Weight			kg	23
Air Flow Rate	Cooling	High/Low	m³/min	21.9 / 12.1
	Heating	High/Low	m³/min	21.9 / 12.1
Sound Power	Cooling	High	dBA	54
Sound Pressure	Cooling	High/Low	dBA	36 / 28
	Heating	High/Low	dBA	36 / 28
Refrigerant			Type	R-410A
Power Supply				1~/220-240V/50-60Hz

HEAT PUMP

Indoor Units				FFQ35B8V1B	FFQ50B8V1B	FFQ60B8V1B
Dimensions	(Height x Width x Depth)		mm	286x575x575		
Weight			kg	17,5		
Air Flow Rate	Cooling	High/Low	m³/min	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
	Heating	High/Low	m³/min	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
Sound Power	Cooling	High	dBA	49.0	53.0	58.0
Sound Pressure	Cooling	High/Low	dBA	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
	Heating	High/Low	dBA	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
Refrigerant			Type	R-410A		
Power Supply				1~/230V/50Hz		

HEAT PUMP

Indoor Units				FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B	FHQ71BVV1B
Dimensions	(Height x Width x Depth)		mm	195x960x680		195x1160x680	
Weight			kg	24.0	25.0	27.0	
Air Flow Rate	Cooling	High/Low	m³/min	13.0 / 10.0		17.0 / 13.0	17.0 / 14.0
	Heating	High/Low	m³/min	13.0 / 10.0		16.0 / 13.0	17.0 / 14.0
Sound Power	Cooling	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0	55.0 / 51.0
Sound Pressure	Cooling	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0	39.0 / 35.0
	Heating	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0	39.0 / 35.0
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			

HEAT PUMP — INVERTER

Outdoor Unit				RZQS71D7V1B	RZQS100D7V1B	RZQS125D7V1	RZQS140D7V1
Dimensions	(Height x Width x Depth)		mm	770x900x320	1170x900x320	1170x900x320	1170x900x320
Weight			kg	68	103	103	103
Sound pressure level	Cooling (Night quiet mode)		dBA	49 (47)	51 (49)	51 (49)	52 (50)
	Heating		dBA	51	55	53	54
Sound power level	Cooling		dBA	65	67	67	68
Operation Range	Cooling	Min~Max	°CDB	-5~46			
	Heating	Min~Max	°CWB	-15~15.5			
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26			
Piping Length (Maximum)			m	30	50		
Max. internunit level difference			m	15	30		

RZQ

Super Inverter Heat Pump

HEAT PUMP					
Indoor Units				**FAQ71BVV1B**	**FAQ100BVV1B**
Dimensions	(Height x Width x Depth)		mm	290x1050x230	360x1570x200
Weight			kg	13.0	26.0
Air Flow Rate	Cooling	High/Low	m³/min	19.0 / 15.0	23.0 / 19.0
	Heating	High/Low	m³/min	19.0 / 15.0	23.0 / 19.0
Sound Power	Cooling	High/Low	dBA	59.0 / 53.0	61.0 / 57.0
Sound Pressure	Cooling	High/Low	dBA	43.0 / 37.0	45.0 / 41.0
	Heating	High/Low	dBA	43.0 / 37.0	45.0 / 41.0
Refrigerant			Type	R-410A	
Power Supply				1~/220-240V/50Hz	

HEAT PUMP											
Indoor Units				**FBQ35C7EB**	**FBQ50C7EB**	**FBQ60C7EB**	**FBQ71C7EB**	**FBQ100C7EB**	**FBQ125C7EB**		
Dimensions	(Height x Width x Depth)		mm	300x700x700		300x1000x700		300x1400x700			
Weight			kg	25		34		45			
Air Flow Rate	Cooling	High/Low	m³/min	16 / 11		18 / 15		33 / 28			
	Heating	High/Low	m³/min	16 / 11		18 / 15		39 / 28		41 / 29	
Sound Power	Cooling	High	dBA	63		57		66			
Sound Pressure	Cooling	High/Low	dBA	37 / 29		37 / 29		40 / 33			
	Heating	High/Low	dBA	37 / 29		37 / 29		40 / 33		41 / 34	
Refrigerant			Type	R-410A							
Power Supply				1~/230V/50Hz							

HEAT PUMP				
Indoor Units				**FDQ125B8V3B**
Dimensions	(Height x Width x Depth)		mm	350x1400x662
Weight			kg	59.0
Air Flow Rate	Cooling	Medium	m³/min	43.0
	Heating	Medium	m³/min	43.0
Sound Power	Cooling	Medium	dBA	75.0
Sound Pressure	Cooling	High	dBA	44.0
	Heating	Low	dBA	44.0
Refrigerant			Type	R-410A
Power Supply				1~/230V/50Hz

HEAT PUMP									
Indoor Units				**FCQ35C7VEB**	**FCQ50C7VEB**	**FCQ60C7VEB**	**FCQ71C7VEB**	**FCQ100C7VEB**	**FCQ125C7VEB**
Dimensions	(Height x Width x Depth)		mm	204x840x840	204x840x840	204x840x840	204x840x840	256x840x840	256x840x840
Weight			kg	19	19	19	21	23	23
Air Flow Rate	Cooling	High/Low	m²/min	10.0 / 8.5	12.5 / 8.5	13.5 / 8.5	15.5 / 9.0	23.5 / 16.0	27.5 / 19.0
	Heating	High/Low	m²/min	12.5 / 10.0	12.5 / 8.5	13.5 / 8.5	16.5 / 9.5	23.5 / 16.0	27.5 / 19.0
Sound Power level	Cooling	High	dBA	49	49	51	51	54	58
Sound Pressure	Cooling	High/Low	dBA	31 / 27	32 / 27	33 / 28	33 / 28	37 / 32	41 / 35
	Heating	High/Low	dBA	31 / 27	32 / 27	33 / 28	34 / 28	37 / 32	41 / 35
Refrigerant			Type	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Power Supply				1~/220-240V/50/60Hz	1~/220-240V/50/60Hz	1~/220-240V/50/60Hz	1~/220-240V/50/60Hz	1~/220-240V/50/60Hz	1~/220-240V/50/60Hz

HEAT PUMP

Indoor Units				FCQH71D7VEB	FCQH100D7VEB	FCQH125D7VEB
Dimensions	(Height x Width x Depth)		mm	246x840x840	288x840x840	
Weight			kg	23	25	
Air Flow Rate	Cooling	High/Low	m³/min	21.9 / 12.1	34.2 / 17.6	34.2 / 21.2
	Heating	High/Low	m³/min	21.9 / 12.1	34.2 / 17.6	34.2 / 21.2
Sound Power	Cooling	High	dBA	54	62	62
Sound Pressure	Cooling	High/Low	dBA	36 / 28	45 / 32	45 / 36
	Heating	High/Low	dBA	36 / 28	45 / 32	45 / 36
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50-60Hz		

HEAT PUMP

Indoor Units				FFQ35B8V1B	FFQ50B8V1B	FFQ60B8V1B
Dimensions	(Height x Width x Depth)		mm	286x575x575		
Weight			kg	17.5		
Air Flow Rate	Cooling	High/Low	m³/min	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
	Heating	High/Low	m³/min	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
Sound Power	Cooling	High	dBA	49.0	53.0	58.0
Sound Pressure	Cooling	High/Low	dBA	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
	Heating	High/Low	dBA	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
Refrigerant			Type	R-410A		
Power Supply				1~/230V/50Hz		

HEAT PUMP

Indoor Units				FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B	FHQ71BVV1B	FHQ100BVV1B	FHQ125BVV1B
Dimensions	(Height x Width x Depth)		mm	195x960x680		195x1160x680		195x1400x680	195x1590x680
Weight			kg	24.0	25.0	27.0		32.0	35.0
Air Flow Rate	Cooling	High/Low	m³/min	13.0 / 10.0		17.0 / 13.0	17.0 / 14.0	24.0 / 20.0	30.0 / 25.0
	Heating	High/Low	m³/min	13.0 / 10.0		16.0 / 13.0	17.0 / 14.0	24.0 / 20.0	30.0 / 25.0
Sound Power	Cooling	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0	55.0 / 51.0	58.0 / 53.0	60.0 / 55.0
Sound Pressure	Cooling	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0	39.0 / 35.0	42.0 / 37.0	44.0 / 39.0
	Heating	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0	39.0 / 35.0	42.0 / 37.0	44.0 / 39.0
Refrigerant			Type	R-410A					
Power Supply				1~/220-240V/50Hz					

HEAT PUMP

Indoor Units				FUQ71BVV1B	FUQ100BVV1B	FUQ125BVV1B
Dimensions	(Height x Width x Depth)		mm	165x895x895	230x895x895	
Weight			kg	25	31	
Air Flow Rate	Cooling	High/Low	m³/min	19/14	29/21	32/23
	Heating	High/Low	m³/min	19/14	29/21	32/23
Sound Power	Cooling	High/Low	dBA	40/35	43/38	44/39
Sound Pressure	Cooling	High/Low	dBA	56/51	59/54	60/55
	Heating	High/Low	dBA	56/51	59/54	60/55
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP — INVERTER

Outdoor Unit				RZQ71D7V1B	RZQ100D7V1B	RZQ100B8W1B	RZQ125D7V1B	RZQ125B8W1B	RZQ140D7V1B	RZQ140B8W1B	RZQ200C7Y1B	RZQ250C7Y1B
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320						1680x930x765	1680x930x765
Weight			kg	67	108	106	108	106	108	106	183	184
Sound pressure level	Cooling (Night quiet mode)		dBA	48 (43)	50 (45)	50 (45)	51 (45)	50 (45)	51 (46)	50 (45)	57 (-)	57 (-)
	Heating		dBA	50	52	52	53	52	53	52	-	-
Sound power level	Cooling		dBA	64	65	65	67	66	68	66	78	78
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0								
	Heating	Min~Max	°CWB	-20.0~15.5								
Refrigerant			Type	R-410A								
Power Supply				1~/230V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	3N~/380-415V/50Hz	3N~/380-415V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26							9.5 / 22.2 / -	12.7 / 22.2 / -
Piping Length (Maximum)			m	50	75						100	100
Max. internunit level difference			m	30								

INVERTER

Multi Model Application

MXU & MXS

Installation flexibility

A very wide range is available, from 2-port to 5-port condensing 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 of indoor units:

MXU

It is possible to combine two types of indoor units:

- wall mounted
- floor standing

MXS

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 cassette 600x600

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

RMXS

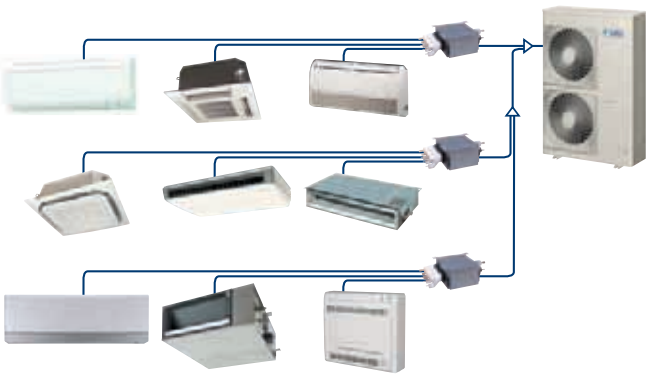
Installation flexibility

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 BP unit varies the refrigerant volume to meet the cooling or heating requirements of a room. The improved BP unit is easier to disassemble, making repairing and recycling more simple. The REFNET joint both 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.

Wide choice of indoor units:

It is possible to combine different types of indoor units:

- wall mounted
- flexi type
- floor standing
- concealed ceiling
- round flow cassette
- 4-way cassette 600x600
- ceiling suspended



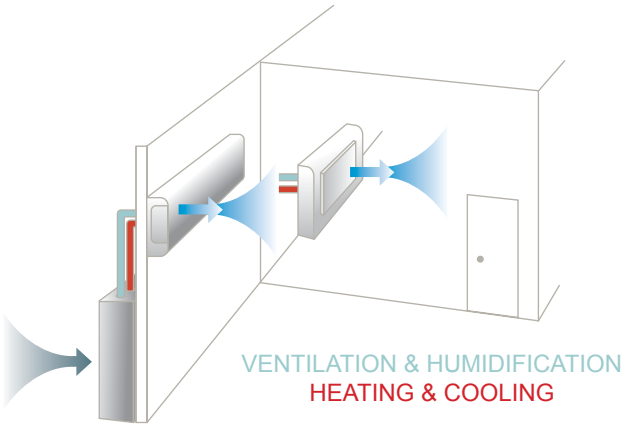
Ururu Multi

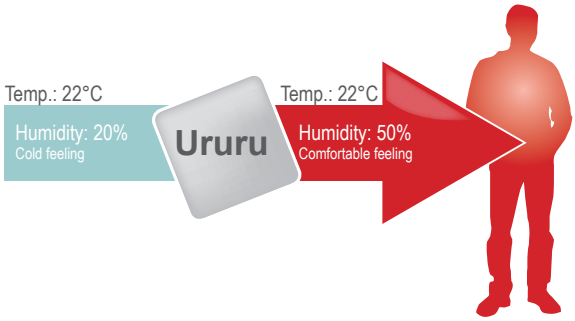
The new Daikin Ururu Multi heat pump system is unique in it ability to supply comfort cooling, heating, humidification and fresh air ventilation.

Designed primarily for two room residential use, the system comprises two visually attractive wall or floor mounted indoor units and a robust outdoor unit that can be installed on a balcony or against a wall.

For the humidification, called "Ururu" in Japanese, moisture is absorbed from the outdoor air. Subsequently, this humidified outdoor air streams into the indoor unit and is evenly distributed throughout the indoor areas. The Ururu Multi, therefore, works without a water reservoirs and serves to evenly distribute humidified air.
Humid heat operation however, is only available during the heat function.

Unlike the conventional multi system, the Ururu Multi brings fresh, conditioned air into the room. Furthermore, the temperature of the incoming air is brought to the desired level without cold or heat loss. Another benefit is that the air supply fan is accommodated in the outdoor unit, which means that you will never be bothered by any fan noises.





> URURU humidification: maintains a comfortable humidity level without any separate water supply
> Fresh air supply for healthy living
> Up to 2 indoor units can be connected to 1 Multi outdoor unit. All indoor units are individually controllable with remote control and do not need to be installed in the same room or at the same time.
> 2 area intelligent eye: air flow is sent to the area in a room where no person is detected

INVERTER

MXU-G

Multi Model Application
Inverter Controlled

HEATING & COOLING

CONNECTABLE INDOOR UNITS							
Indoor units				**CTXU25G2V1B**	**CTXU35G2V1B**	**CTXU42G2V1B**	**CTXU50G2V1B**
Dimensions	Height x Width x Depth		mm	295x800x215	295x800x215	295x800x215	295x800x215
Weight			kg	9	10	10	10
Air Flow Rate	Cooling	High	m³/min	9.1	10.4	9.1	10.2
	Heating	High	m³/min	9.8	10.6	11.2	11
Sound Power	Cooling	High	dBA	54	58	58	59
	Heating	High	dBA	55	58	58	60
Sound Pressure	Cooling	SH/H/M/L	dBA	38 / 32 / 25 / 22	42 / 34 / 26 / 23	42 / 38 / 33 / 30	43 / 39 / 34 / 31
	Heating	H/M/L/SO	dBA	39 / 34 / 28 / 25	42 / 36 / 29 / 26	42 / 38 / 33 / 30	44 / 39 / 34 / 31
Refrigerant			Type	R-410A			
Power Supply				1~/220-230-240V/50Hz			

CONNECTABLE INDOOR UNITS						
Indoor Units				*** CVXU25GV1B PRELIMINARY DATA**	*** CVXU35GV1B PRELIMINARY DATA**	*** CVXU50GV1B PRELIMINARY DATA**
Dimensions	Height x Width x Depth		mm	600x700x210	600x700x210	600x700x210
Weight			kg	14	14	14
Air Flow Rate	Cooling	High	m³/min	8.2	8.5	10.7
	Heating	High	m³/min	8.8	9.4	11.8
Sound Power	Cooling	High	dBA	54	55	56
	Heating	High	dBA	54	55	57
Sound Pressure	Cooling	SH/H/M/L	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	44 / 40 / 36 / 32
	Heating	H/M/L/SO	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	45 / 40 / 36 / 32
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

CONNECTABLE OUTDOOR UNITS					
Outdoor Units				**2MXU40GV1B**	**2MXU50GV1B**
Dimensions	Height x Width x Depth		mm	675x765x285	675x765x285
Weight			kg	45	49
Operation Range	Cooling	Min~Max	°CDB	10~46	10~46
	Heating	Min~Max	°CWB	-15~15.5	-15~15.5
Sound Power		Cooling	dBA	62	63
Sound Pressure (High)		Cooling	dBA	47	48
		Heating	dBA	48	50
Refrigerant			Type	R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.52 / 18	6.35 / 9.52 - 12.7 / 18
Piping Length (Maximum)			m	30 (for total of each room) / 15 (for one room)	30 (for total of each room) / 15 (for one room)
Max. internunit level difference			m	7.5	7.5

*Note: grey cells contain preliminary data

Combination Tables
Ururu Multi

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
2MXU40GV1B	2.5	2.50	---	1.50	2.50	3.00	0.330	0.610	0.800	4.10	A	305
	3.5	3.50	---	1.50	3.50	4.00	0.330	1.050	1.360	3.33	A	525
	2.5+2.5	2.00	2.00	1.75	4.00	4.40	0.310	1.020	1.230	3.92	A	510
	2.5+3.5	1.80	2.20	1.75	4.00	4.60	0.310	0.990	1.310	4.04	A	495

HEATING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
2MXU40GV1B	2.5	3.40	---	1.10	3.40	4.10	0.260	1.020	1.480	3.33	C
	3.5	3.80	---	1.10	3.80	4.40	0.260	1.280	1.720	2.97	D
	2.5+2.5	2.20	2.20	1.40	4.40	4.70	0.250	1.030	1.160	4.27	A
	2.5+3.5	2.05	2.35	1.40	4.40	4.70	0.240	0.990	1.110	4.44	A

Note: Connected to 2.5,3.5 class of wall mounted unit CTXU-G

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
2MXS50G2V1B	2.5	2.50	---	1.60	2.50	3.10	0.330	0.560	0.800	4.46	A	280
	3.5	3.50	---	1.60	3.50	4.00	0.320	0.940	1.240	3.72	A	470
	4.2	4.20	---	1.60	4.20	4.70	0.320	1.380	1.850	3.04	B	690
	5.0	5.00	---	1.60	5.00	5.10	0.320	1.940	2.070	2.58	E	970
	2.5+2.5	2.50	2.50	1.95	5.00	5.30	0.340	1.380	1.610	3.62	A	690
	2.5+3.5	2.08	2.92	1.95	5.00	5.40	0.340	1.340	1.610	3.73	A	670
	2.5+4.2	1.87	3.13	1.95	5.00	5.50	0.340	1.330	1.720	3.76	A	665
	2.5+5.0	1.67	3.33	1.95	5.00	5.50	0.340	1.300	1.700	3.85	A	650
	3.5+3.5	2.50	2.50	1.98	5.00	5.40	0.340	1.290	1.550	3.88	A	645
	3.5+4.2	2.27	2.73	1.98	5.00	5.50	0.340	1.280	1.650	3.91	A	640
	3.5+5.0	2.06	2.94	1.98	5.00	5.50	0.340	1.270	1.620	3.94	A	635
	4.2+4.2	2.50	2.50	1.98	5.00	5.50	0.340	1.270	1.620	3.94	A	635

HEATING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
2MXS50G2V1B	2.5	3.40	---	1.16	3.40	4.10	0.220	0.940	1.270	3.62	A
	3.5	4.00	---	1.16	4.00	4.60	0.220	1.180	1.460	3.39	C
	4.2	4.70	---	1.16	4.70	5.10	0.220	1.490	1.730	3.15	D
	5.0	5.40	---	1.28	5.40	5.60	0.230	1.770	1.910	3.05	D
	2.5+2.5	2.80	2.80	1.18	5.60	5.80	0.220	1.380	1.430	4.06	A
	2.5+3.5	2.38	3.32	1.24	5.70	6.00	0.230	1.340	1.450	4.25	A
	2.5+4.2	2.13	3.57	1.25	5.70	6.10	0.230	1.330	1.470	4.29	A
	2.5+5.0	1.90	3.80	1.35	5.70	6.30	0.230	1.320	1.520	4.32	A
	3.5+3.5	2.85	2.85	1.30	5.70	6.10	0.230	1.330	1.460	4.29	A
	3.5+4.2	2.59	3.11	1.31	5.70	6.20	0.230	1.320	1.480	4.32	A
	3.5+5.0	2.35	3.35	1.35	5.70	6.40	0.230	1.310	1.560	4.35	A
	4.2+4.2	2.85	2.85	1.32	5.70	6.30	0.230	1.310	1.500	4.35	A

Note: Connected to 2.5,3.5,4.2,5.0 class of wall mounted unit CTXU-G

INVERTER

MXS-E/F/G

Inverter Heat Pump

HEAT PUMP

Outdoor Units	WALL MOUNTED F(C)TXG-E			WALL MOUNTED FTXS-G						FTXS-F		FLEXI TYPE FLXS-B				FLOOR STANDING FVXS-F			SLIM CONCEALED CEILING FDXS-E/C				CONCEALED CEILING FDBQ-B/FBQ-C				ROUND FLOW CASSETTE FCQ-C			4-WAY BLOW CASSETTE 600X600 FFQ-B				CEILING SUSPENDED FHQ-B		
	25	35	50	20	25	35	42	50	60	71	25	35	50	60	25	35	50	25E	35E	50C	60C	25	35	50	60	35	50	60	25	35	50	60	35	50	60
2MXS40G	•	•		•	•	•					•	•			•	•		•	•										•	•					
2MXS50G	•	•	•	•	•	•	•	•			•	•	•		•	•	•	•	•	•									•	•	•				
3MXS52E	•	•	•	•	•	•	•	•			•	•	•		•	•	•	•	•	•	•	•	•	•		•	•		•	•	•		•	•	
3MXS68G	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4MXS68F	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4MXS80E	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5MXS90E	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

HEAT PUMP

Indoor Units				FTXG25EV1BW	FTXG25EV1BS	FTXG35EV1BW	FTXG35EV1BS
Dimensions	(Height x Width x Depth)		mm	275x840x150			
Weight			kg	9.0			
Air Flow Rate	Cooling	H/M/L/SL	m³/min	7.7 / 6.1 / 4.7 / 3.8		8.1 / 6.5 / 4.9 / 4.1	
	Heating	H/M/L/SL	m³/min	9.0 / 7.9 / 6.7 / 5.4		9.6 / 8.2 / 6.7 / 5.9	
Sound Power	Cooling	High	dBA	56.0		57.0	
	Heating	High	dBA	56.0		57.0	
Sound Pressure	Cooling	H/M/L/SL	dBA	38.0 / 32.0 / 25.0 / 22.0		39.0 / 33.0 / 26.0 / 23.0	
	Heating	H/M/L/SL	dBA	38.0 / 33.0 / 28.0 / 25.0		39.0 / 34.0 / 29.0 / 26.0	
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			

HEAT PUMP

Indoor Units				CTXG50EV1BW	CTXG50EV1BS
Dimensions	(Height x Width x Depth)		mm	275x840x150	
Weight			kg	9.0	
Air Flow Rate	Cooling	H/M/L/SL	m³/min	11.3 / 9.1 / 7.1 / 6.7	
	Heating	H/M/L/SL	m³/min	12.6 / 10.6 / 8.7 / 7.7	
Sound Power	Cooling	High	dBA	64.0	
	Heating	High	dBA	64.0	
Sound Pressure	Cooling	H/M/L/SL	dBA	47.0 / 41.0 / 35.0 / 32.0	
	Heating	H/M/L/SL	dBA	47.0 / 41.0 / 35.0 / 32.0	
Refrigerant			Type	R-410A	
Power Supply				1~/220-240V/50Hz	

HEAT PUMP

Indoor Units				FTXS20G	FTXS25G	FTXS35G	FTXS42G	FTXS50G
Dimensions	(Height x Width x Depth)		mm	295x800x215				
Weight			kg	9	9	10	10	10
Air Flow Rate	Cooling	H/M/L/SL	m³/min	9.4 / 7.4 / 5.5 / 4.0	9.1 / 7.1 / 5.2 / 3.7	10.4 / 7.7 / 4.8 / 3.5	9.1 / 7.7 / 6.3 / 5.4	10.2 / 8.6 / 7.0 / 6.0
	Heating	H/M/L/SL	m³/min	9.9 / 8.2 / 6.5 / 5.5	9.8 / 7.9 / 6.2 / 5.2	10.6 / 8.5 / 6.4 / 5.4	11.2 / 9.4 / 7.7 / 6.8	11.0 / 9.3 / 7.6 / 6.7
Sound Power	Cooling	High	dBA	54	54	58	58	59
	Heating	High	dBA	56	56	57	58	60
Sound Pressure	Cooling	H/L/SL	dBA	38 / 25 / 22	38 / 25 / 22	42 / 26 / 23	42 / 33 / 30	43 / 34 / 31
	Heating	H/L/SL	dBA	38 / 28 / 25	39 / 28 / 25	42 / 29 / 26	42 / 33 / 30	44 / 34 / 31
Refrigerant			Type	R-410A				
Power Supply				1~/220-230-240V/50Hz				

HEAT PUMP

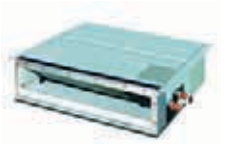
Indoor Units				FTXS60FV1B	FTXS71FV1B
Dimensions	(Height x Width x Depth)		mm	290x1050x238	
Weight			kg	12	
Air Flow Rate	Cooling	H/M/L/SL	m³/min	16.2 / 13.6 / 11.4 / 10.2	17.4 / 14.6 / 11.6 / 10.6
	Heating	H/M/L/SL	m³/min	17.4 / 15.1 / 12.7 / 11.4	19.7 / 16.9 / 14.3 / 12.7
Sound Power	Cooling	Medium	dBA	61	62
	Heating	Medium	dBA	60	62
Sound Pressure	Cooling	H/M/L/SL	dBA	45 / 41 / 36 / 33	46 / 42 / 37 / 34
	Heating	H/M/L/SL	dBA	44 / 40 / 35 / 32	46 / 42 / 37 / 34
Refrigerant			Type	R-410A	
Power Supply				1~/220-240V/50Hz	

HEAT PUMP

Indoor Units				FLXS25BAVMB	FLXS35BAVMB	FLXS50BAVMB	FLXS60BAVMB
Dimensions	(Height x Width x Depth)		mm	490x1050x200			
Weight			kg	16.0		17.0	
Air Flow Rate	Cooling	H/M/L/SL	m³/min	7.60 / 6.80 / 6.00 / 5.2	8.60 / 7.60 / 6.60 / 5.6	11.40 / 10.00 / 8.50 / 7.6	12.00 / 10.70 / 9.30 / 8.3
	Heating	H/M/L/SL	m³/min	9.20 / 8.30 / 7.40 / 6.6	9.80 / 8.90 / 8.00 / 7.2	12.1 / 9.8 / 7.5 / 6.8	12.80 / 10.60 / 8.40 / 7.5
Sound Power	Cooling	High	dBA	53.0	54.0	63.0	64.0
	Heating	High	dBA	-		62.0	63.0
Sound Pressure	Cooling	H/M/L/SL	dBA	37.0 / 34.0 / 31.0 / 28.0	38.0 / 35.0 / 32.0 / 29.0	47.0 / 43.0 / 39.0 / 36.0	48.0 / 45.0 / 41.0 / 39.0
	Heating	H/M/L/SL	dBA	37.0 / 34.0 / 31.0 / 29.0	39.0 / 36.0 / 33.0 / 30.0	46.0 / 41.0 / 35.0 / 33.0	47.0 / 42.0 / 37.0 / 34.0
Refrigerant			Type	R-410A			
Power Supply				1~/220-240/220-230V/50/60Hz			

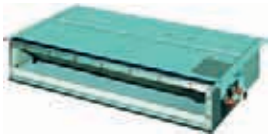
HEAT PUMP

Indoor Units				FVXS25FV1B	FVXS35FV1B	FVXS50FV1B
Dimensions	(Height x Width x Depth)		mm	600x700x210		
Weight			kg	14		
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.2 / 6.5 / 4.8 / 4.1	8.5 / 6.7 / 4.9 / 4.5	10.7 / 9.2 / 7.8 / 6.6
	Heating	H/M/L/SL	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	Cooling	High	dBA	54	55	56
	Heating	High	dBA	54	55	57
Sound Pressure	Cooling	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	44 / 40 / 36 / 32
	Heating	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	45 / 40 / 36 / 32
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		



HEAT PUMP

Indoor Units				FDXS25EAVMB	FDXS35EAVMB
Dimensions	(Height x Width x Depth)		mm	200x700x620	
Weight			kg	21.0	
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.7 / 8.0 / 7.3 / 6.2	
	Heating	H/M/L/SL	m³/min	8.7 / 8.0 / 7.3 / 6.2	
Sound Power	Cooling	High	dBA	53.0	
	Heating	High	dBA	53.0	
Sound Pressure	Cooling	H/M/L/SL	dBA	35.0 / 33.0 / 31.0 / 29.0	
	Heating	H/M/L/SL	dBA	35.0 / 33.0 / 31.0 / 29.0	
Refrigerant			Type	R-410A	
Power Supply				1~/220-240/220-230V/50/60Hz	

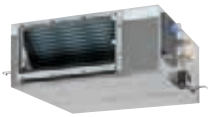


HEAT PUMP

Indoor Units				FDXS50CVMB	FDXS60CVMB
Dimensions	(Height x Width x Depth)		mm	200x900x620	200x1100x620
Weight			kg	27.0	30.0
Air Flow Rate	Cooling	H/M/L/SL	m³/min	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
	Heating	H/M/L/SL	m³/min	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
Sound Power	Cooling	High	dBA	55.0	56.0
	Heating	High	dBA	55.0	56.0
Sound Pressure	Cooling	H/M/L/SL	dBA	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
	Heating	H/M/L/SL	dBA	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
Refrigerant			Type	R-410A	
Power Supply				220-240/220-230V/50/60Hz	

HEAT PUMP

Indoor Units				FDBQ25B8V1
Dimensions	(Height x Width x Depth)		mm	230x652x502
Weight			kg	17.0
Air Flow Rate	Cooling	High/Low	m³/min	6.50 / 5.20
	Heating	High/Low	m³/min	6.95 / 5.20
Sound Power	Cooling	High/Low	dBA	55.0 / 49.0
	Heating	High/Low	dBA	55.0 / 49.0
Sound Pressure	Cooling	High/Low	dBA	35.0 / 28.0
	Heating	High/Low	dBA	35.0 / 29.0
Refrigerant			Type	R-410A
Power Supply				1~/230V/50Hz



HEAT PUMP

Indoor Units				FBQ35C7VEB	FBQ50C7VEB	FBQ60C7VEB
Dimensions	(Height x Width x Depth)		mm	300x700x700		300x1000x700
Weight			kg	25	25	34
Air Flow Rate	Cooling	High/Low	m³/min	16 / 11	16 / 11	18 / 15
	Heating	High/Low	m³/min	16 / 11	16 / 11	18 / 15
Sound Power	Cooling	High	dBA	63	63	57
Sound Pressure	Cooling	High/Low	dBA	37 / 29		37 / 29
	Heating	High/Low	dBA	37 / 29		37 / 29
Refrigerant			Type	R-410A		
Power Supply				1~/230V/50Hz		

HEAT PUMP

Indoor Units				FFQ25B8V1B	FFQ35B8V1B	FFQ50B8V1B	FFQ60B8V1B
Dimensions	(Height x Width x Depth)		mm	286x575x575			
Weight			kg	17.5			
Air Flow Rate	Cooling	High/Low	m³/min	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
	Heating	High/Low	m³/min	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
Sound Power	Cooling	High	dBA	46.5	49.0	53.0	58.0
Sound Pressure	Cooling	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
	Heating	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
Refrigerant			Type	R-410A			
Power Supply				1~/230V/50Hz			

HEAT PUMP

Indoor Units				FCQ35C7VEB	FCQ50C7VEB	FCQ60C7VEB
Dimensions	(Height x Width x Depth)		mm	204x840x840		
Weight			kg	19		
Air Flow Rate	Cooling	High/Low	m³/min	10.5 / 8.5	12.5 / 8.5	13.5 / 8.5
	Heating	High/Low	m³/min	12.5 / 10.0	12.5 / 8.5	13.5 / 8.5
Sound Power	Cooling	High	dBA	49		51
Sound Pressure	Cooling	High/Low	dBA	31 / 27		33 / 28
	Heating	High/Low	dBA	31 / 27		33 / 28
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50/60Hz		

HEAT PUMP

Indoor Units				FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B
Dimensions	(Height x Width x Depth)		mm	195x960x680		195x1160x680
Weight			kg	24.0	25.0	27.0
Air Flow Rate	Cooling	High/Low	m³/min	13.0 / 10.0		17.0 / 13.0
	Heating	High/Low	m³/min	13.0 / 10.0		16.0 / 13.0
Sound Power	Cooling	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0
	Heating	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0
Sound Pressure	Cooling	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0
	Heating	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP — INVERTER

Outdoor Unit				2MXS40G2V1B	2MXS50G2V1B	3MXS68G2V1B
Dimensions	(Height x Width x Depth)		mm	550x765x285		735x936x300
Weight			kg	38	42	58
Operation Range	Cooling	Min~Max	°CDB	10~46		-10~46
	Heating	Min~Max	°CWB	-15~15.5		
Sound Power		Cooling	dBA	62	63	61
Sound Pressure (Low)		Cooling	dBA	43	44	-
		Heating	dBA	44	46	-
Sound Pressure (High)		Cooling	dBA	47	48	
		Heating	dBA	48	50	49
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		1~/230V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	2x6.4 / 2x9.5	2x6.4 / 9.5 12.7	3x6.4 / 9.5 2x12.7
Piping Length (Maximum)			m	30 (total) 20 (for 1 room)		60 (total) 25 (for 1 room)
Max Installation Height Difference			m	15		

HEAT PUMP — INVERTER

Outdoor Unit				3MXS52E	4MXS68F	4MXS80E	5MXS90E
Dimension		HxWxD	mm	735x936x300	735x936x300	770x900x320	770x900x320
Weight			kg	49	58	72	73
Operation range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46	-10~46
	Heating	Min~Max	°CDB	-15~15.5	-15~15.5	-15~15.5	-15~15.5
Sound Power	Cooling		dB(A)	59	61	62	66
Sound Pressure (low)	Cooling		dB(A)	-	-	-	-
	Heating		dB(A)	-	-	-	-
Sound Pressure (high)	Cooling		dB(A)	46	48	48	52
	Heating		dB(A)	47	49	49	52
Refrigerant			Type	R-410A			
Power Supply				1~/230V/50Hz			
Piping Connection	Liquid (OD)/Gas		mm	3x6.4 / 2x9.5 12.9	4x6.4 / 2x3.5 2x14.7	4x6.4 / 9.5 12.7 2x15.9	5x6.4 / 2x9.5 12.7 2x15.9
Piping Length (Maximum)			m	50 (total) 25 (for 1 room)	60 (total) 25 (for 1 room)	70 (total) 25 (for 1 room)	75 (total) 25 (for 1 room)
Max Installation Height Difference			m	15			

Combination Tables
Heat Pump R-410A
Inverter Controlled Outdoor Units

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
2MXS40G	2.0	2.00	---	1.45	2.00	2.40	0.320	0.450	0.590	4.44	A	225
	2.5	2.50	---	1.45	2.50	3.00	0.320	0.620	0.820	4.03	A	310
	3.5	3.50	---	1.45	3.50	4.00	0.320	1.080	1.410	3.24	A	540
	2.0+2.0	2.00	2.00	1.65	4.00	4.10	0.300	1.090	1.130	3.67	A	545
	2.0+2.5	1.85	2.15	1.65	4.00	4.20	0.300	1.080	1.190	3.70	A	540
	2.0+3.5	1.75	2.25	1.65	4.00	4.40	0.300	1.060	1.310	3.77	A	530
	2.5+2.5	2.00	2.00	1.65	4.00	4.30	0.300	1.070	1.240	3.74	A	535
	2.5+3.5	1.80	2.20	1.65	4.00	4.50	0.300	1.050	1.350	3.81	A	525

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
2MXS40G	2.0	3.00	---	1.20	3.00	3.70	0.290	0.850	1.270	3.53	B
	2.5	3.40	---	1.20	3.40	4.10	0.290	1.060	1.520	3.21	C
	3.5	3.80	---	1.20	3.80	4.40	0.290	1.290	1.730	2.95	D
	2.0+2.0	2.10	2.10	1.50	4.20	4.60	0.270	1.010	1.170	4.16	A
	2.0+2.5	2.10	2.30	1.50	4.40	4.70	0.270	1.080	1.210	4.07	A
	2.0+3.5	2.00	2.40	1.50	4.40	4.70	0.260	1.060	1.190	4.15	A
	2.5+2.5	2.20	2.20	1.50	4.40	4.70	0.270	1.070	1.200	4.11	A
	2.5+3.5	2.05	2.35	1.50	4.40	4.70	0.260	1.050	1.180	4.19	A

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
2MXS50G	2.0	2.00	---	1.53	2.00	2.60	0.330	0.470	0.690	4.26	A	235
	2.5	2.50	---	1.53	2.50	3.10	0.330	0.660	0.920	3.79	A	330
	3.5	3.50	---	1.53	3.50	4.00	0.330	1.090	1.420	3.21	A	545
	4.2	4.20	---	1.55	4.20	4.70	0.330	1.530	2.050	2.75	D	765
	5.0	5.00	---	1.57	5.00	5.10	0.330	2.060	2.170	2.43	E	1,030
	2.0+2.0	2.00	2.00	1.81	4.00	4.90	0.330	1.050	1.530	3.81	A	525
	2.0+2.5	2.00	2.50	1.81	4.50	5.00	0.330	1.290	1.600	3.49	A	645
	2.0+3.5	1.82	3.18	1.81	5.00	5.30	0.330	1.560	1.760	3.21	A	780
	2.0+4.2	1.61	3.39	1.81	5.00	5.40	0.330	1.540	1.800	3.25	A	770
	2.0+5.0	1.43	3.57	1.81	5.00	5.40	0.330	1.470	1.720	3.40	A	735
	2.5+2.5	2.50	2.50	1.81	5.00	5.20	0.330	1.560	1.710	3.21	A	780
	2.5+3.5	2.08	2.92	1.81	5.00	5.30	0.330	1.530	1.760	3.27	A	765
	2.5+4.2	1.87	3.13	1.81	5.00	5.40	0.330	1.500	1.800	3.33	A	750
	2.5+5.0	1.67	3.33	1.81	5.00	5.40	0.330	1.470	1.730	3.40	A	735
	3.5+3.5	2.50	2.50	1.81	5.00	5.30	0.330	1.500	1.720	3.33	A	750
	3.5+4.2	2.27	2.73	1.81	5.00	5.40	0.330	1.470	1.770	3.40	A	735
	3.5+5.0	2.06	2.94	1.81	5.00	5.40	0.330	1.440	1.700	3.47	A	720
	4.2+4.2	2.50	2.50	1.81	5.00	5.40	0.330	1.440	1.730	3.47	A	720

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
2MXS50G	2.0	3.00	---	1.21	3.00	3.70	0.270	0.820	1.140	3.66	A
	2.5	3.40	---	1.21	3.40	4.10	0.250	0.980	1.330	3.47	B
	3.5	4.00	---	1.21	4.00	4.60	0.250	1.240	1.530	3.23	C
	4.2	4.70	---	1.21	4.70	5.10	0.250	1.560	1.770	3.01	D
	5.0	5.40	---	1.33	5.40	5.60	0.270	1.830	1.980	2.95	D
	2.0+2.0	2.65	2.65	1.28	5.30	5.70	0.240	1.340	1.530	3.96	A
	2.0+2.5	2.44	3.06	1.28	5.50	5.80	0.240	1.420	1.560	3.87	A
	2.0+3.5	2.04	3.56	1.34	5.60	5.90	0.250	1.440	1.570	3.89	A
	2.0+4.2	1.84	3.86	1.35	5.70	6.00	0.250	1.470	1.590	3.88	A
	2.0+5.0	1.63	4.07	1.39	5.70	6.20	0.250	1.370	1.610	4.16	A
	2.5+2.5	2.80	2.80	1.28	5.60	5.80	0.240	1.450	1.550	3.86	A
	2.5+3.5	2.38	3.32	1.34	5.70	6.00	0.250	1.480	1.640	3.85	A
	2.5+4.2	2.13	3.57	1.35	5.70	6.10	0.250	1.450	1.660	3.93	A
	2.5+5.0	1.90	3.80	1.45	5.70	6.30	0.260	1.360	1.650	4.19	A
	3.5+3.5	2.85	2.85	1.40	5.70	6.10	0.250	1.460	1.650	3.90	A
	3.5+4.2	2.59	3.11	1.41	5.70	6.20	0.250	1.420	1.660	4.01	A
	3.5+5.0	2.35	3.35	1.45	5.70	6.40	0.250	1.350	1.650	4.22	A
	4.2+4.2	2.85	2.85	1.42	5.70	6.30	0.250	1.400	1.680	4.07	A

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)			TOTAL CAPACITY (kW)			POWER INPUT COOLING (W)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
3MXS52E	2.0	2.00	---	---	1.76	2.00	2.84	350	460	740	4.35	A	230
	2.5	2.50	---	---	1.76	2.50	3.12	350	620	880	4.03	A	310
	3.5	3.50	---	---	1.76	3.50	4.18	350	970	1290	3.61	A	485
	4.2	4.20	---	---	1.76	4.20	4.70	350	1240	1640	3.39	A	620
	5.0	5.00	---	---	1.79	5.00	5.40	350	1750	2030	2.86	C	875
	2.0+2.0	2.00	2.00	---	1.88	4.00	5.96	350	950	1910	4.21	A	475
	2.0+2.5	2.00	2.50	---	1.88	4.50	6.23	350	1180	2140	3.81	A	590
	2.0+3.5	1.89	3.31	---	1.88	5.20	6.24	350	1550	2070	3.35	A	775
	2.0+4.2	1.68	3.52	---	1.88	5.20	6.25	350	1550	2070	3.35	A	775
	2.0+5.0	1.49	3.71	---	1.88	5.20	6.47	350	1420	2150	3.66	A	710
	2.5+2.5	2.50	2.50	---	1.88	5.00	6.23	350	1450	2140	3.45	A	725
	2.5+3.5	2.17	3.03	---	1.88	5.20	6.35	350	1550	2250	3.35	A	775
	2.5+4.2	1.94	3.26	---	1.88	5.20	6.36	350	1550	2250	3.35	A	775
	2.5+5.0	1.73	3.47	---	1.88	5.20	6.47	350	1420	2070	3.66	A	710
	3.5+3.5	2.60	2.60	---	1.88	5.20	6.40	350	1550	2250	3.35	A	775
	3.5+4.2	2.36	2.84	---	1.88	5.20	6.41	350	1550	2250	3.35	A	775
	3.5+5.0	2.14	3.06	---	1.88	5.20	6.49	350	1420	2090	3.66	A	710
	4.2+4.2	2.60	2.60	---	1.88	5.20	6.42	350	1550	2250	3.35	A	775
	2.0+2.0+2.0	1.73	1.73	1.73	1.86	5.19	7.04	350	1240	2160	4.19	A	620
	2.0+2.0+2.5	1.60	1.60	1.99	1.86	5.19	7.04	350	1240	2160	4.19	A	620
	2.0+2.0+3.5	1.38	1.38	2.43	1.95	5.19	7.06	370	1240	2160	4.19	A	620
	2.0+2.0+4.2	1.27	1.27	2.66	1.95	5.20	7.07	370	1240	2160	4.19	A	620
	2.0+2.0+5.0	1.16	1.16	2.88	2.11	5.20	7.30	380	1220	2260	4.26	A	610
	2.0+2.5+2.5	1.49	1.85	1.85	1.86	5.19	7.04	350	1240	2160	4.19	A	620
	2.0+2.5+3.5	1.30	1.63	2.27	1.95	5.20	7.06	370	1240	2160	4.19	A	620
	2.0+2.5+4.2	1.20	1.49	2.51	1.95	5.20	7.07	370	1240	2160	4.19	A	620
	2.0+3.5+3.5	1.16	2.02	2.02	1.95	5.20	7.07	370	1240	2160	4.19	A	620
	2.5+2.5+2.5	1.73	1.73	1.73	1.95	5.19	7.04	370	1240	2160	4.19	A	620
	2.5+2.5+3.5	1.53	1.53	2.14	1.95	5.20	7.06	370	1230	2160	4.23	A	615

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)			TOTAL CAPACITY (kW)			POWER INPUT HEATING (W)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
3MXS52E	2.0	2.72	---	---	1.21	2.72	3.75	300	720	1200	3.78	A
	2.5	3.40	---	---	1.21	3.40	4.00	300	990	1260	3.43	B
	3.5	4.20	---	---	1.21	4.20	4.82	300	1390	1680	3.02	D
	4.2	4.70	---	---	1.21	4.70	5.87	300	1700	2400	2.76	E
	5.0	5.80	---	---	1.33	5.80	6.79	300	2160	2590	2.69	E
	2.0+2.0	3.05	3.05	---	1.28	6.10	7.00	310	1700	2280	3.59	B
	2.0+2.5	2.78	3.47	---	1.28	6.25	7.00	310	1750	2280	3.57	B
	2.0+3.5	2.38	4.17	---	1.34	6.55	7.04	310	1860	2280	3.52	B
	2.0+4.2	2.16	4.54	---	1.34	6.70	7.05	310	1930	2270	3.47	B
	2.0+5.0	1.94	4.86	---	1.39	6.80	7.20	310	1870	2320	3.64	A
	2.5+2.5	3.25	3.25	---	1.28	6.50	7.00	310	1860	2310	3.49	B
	2.5+3.5	2.79	3.91	---	1.34	6.70	7.19	310	1930	2360	3.47	B
	2.5+4.2	2.54	4.26	---	1.34	6.80	7.21	310	1930	2350	3.52	B
	2.5+5.0	2.27	4.53	---	1.45	6.80	7.35	310	1870	2320	3.64	A
	3.5+3.5	3.40	3.40	---	1.40	6.80	7.22	310	1970	2350	3.45	B
	3.5+4.2	3.09	3.71	---	1.40	6.80	7.24	310	1970	2350	3.45	B
	3.5+5.0	2.80	4.00	---	1.45	6.80	7.50	310	1830	2310	3.72	A
	4.2+4.2	3.40	3.40	---	1.40	6.80	7.26	310	1960	2340	3.47	B
	2.0+2.0+2.0	2.26	2.26	2.26	1.34	6.78	8.02	320	1570	2140	4.32	A
	2.0+2.0+2.5	2.09	2.09	2.60	1.34	6.78	8.02	320	1570	2140	4.32	A
	2.0+2.0+3.5	1.80	1.80	3.18	1.45	6.78	8.05	320	1560	2140	4.35	A
	2.0+2.0+4.2	1.66	1.66	3.48	1.45	6.80	8.06	320	1560	2140	4.36	A
	2.0+2.0+5.0	1.51	1.51	3.78	1.67	6.80	8.27	320	1640	2110	4.15	A
	2.0+2.5+2.5	1.94	2.42	2.42	1.34	6.78	8.02	320	1570	2140	4.32	A
	2.0+2.5+3.5	1.70	2.13	2.97	1.57	6.80	8.05	320	1560	2140	4.36	A
	2.0+2.5+4.2	1.56	1.95	3.28	1.56	6.80	8.06	320	1560	2140	4.36	A
	2.0+3.5+3.5	1.52	2.64	2.64	1.56	6.80	8.08	320	1560	2140	4.36	A
	2.5+2.5+2.5	2.26	2.26	2.26	1.45	6.78	8.02	320	1570	2140	4.32	A
	2.5+2.5+3.5	2.00	2.00	2.80	1.57	6.80	8.05	320	1560	2140	4.36	A

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)			TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
3MXS68G	2.0	2.00	---	---	1.95	2.00	2.63	0.440	0.470	0.620	4.26	A	235
	2.5	2.50	---	---	1.95	2.50	3.37	0.460	0.590	0.850	4.24	A	295
	3.5	3.50	---	---	1.95	3.50	4.76	0.470	0.910	1.470	3.85	A	455
	4.2	4.20	---	---	1.95	4.20	5.02	0.470	1.210	1.620	3.47	A	605
	5.0	5.00	---	---	1.96	5.00	5.91	0.450	1.710	2.200	2.92	C	855
	6.0	6.00	---	---	1.96	6.00	6.38	0.440	2.050	2.320	2.93	C	1,025
	2.0+2.0	2.00	2.00	---	1.97	4.00	5.02	0.430	1.000	1.450	4.00	A	500
	2.0+2.5	2.00	2.50	---	1.97	4.50	5.33	0.430	1.200	1.610	3.75	A	600
	2.0+3.5	2.00	3.50	---	1.97	5.50	6.18	0.420	1.660	2.150	3.31	A	830
	2.0+4.2	2.00	4.20	---	1.97	6.20	6.38	0.420	2.090	2.300	2.97	C	1,045
	2.0+5.0	1.94	4.86	---	1.97	6.80	7.12	0.410	2.410	2.650	2.82	C	1,205
	2.0+6.0	1.70	5.10	---	1.98	6.80	7.56	0.400	2.210	2.750	3.08	B	1,105
	2.5+2.5	2.50	2.50	---	1.97	5.00	5.98	0.450	1.460	2.000	3.42	A	730
	2.5+3.5	2.50	3.50	---	1.97	6.00	6.44	0.430	2.060	2.370	2.91	C	1,030
	2.5+4.2	2.50	4.20	---	1.97	6.70	6.81	0.430	2.540	2.670	2.64	D	1,270
	2.5+5.0	2.27	4.53	---	1.97	6.80	7.23	0.400	2.410	2.750	2.82	C	1,205
	2.5+6.0	2.00	4.80	---	1.98	6.80	7.56	0.380	2.210	2.750	3.08	B	1,105
	3.5+3.5	3.40	3.40	---	1.97	6.80	6.99	0.410	2.510	2.660	2.71	D	1,255
	3.5+4.2	3.09	3.71	---	1.97	6.80	7.10	0.410	2.510	2.760	2.71	D	1,255
	3.5+5.0	2.80	4.00	---	1.97	6.80	7.61	0.380	2.410	3.120	2.82	C	1,205
	3.5+6.0	2.51	4.29	---	2.28	6.80	7.91	0.430	2.210	3.060	3.08	B	1,105
	4.2+4.2	3.40	3.40	---	1.97	6.80	7.00	0.410	2.510	2.660	2.71	D	1,255
	4.2+5.0	3.10	3.70	---	1.97	6.80	7.62	0.380	2.410	3.120	2.82	C	1,205
	4.2+6.0	2.80	4.00	---	2.28	6.80	7.92	0.430	2.210	3.060	3.08	B	1,105
	5.0+5.0	3.40	3.40	---	2.36	6.80	8.06	0.470	2.310	3.350	2.94	C	1,155
	5.0+6.0	3.09	3.71	---	2.49	6.80	8.28	0.480	2.120	3.280	3.21	A	1,060
	2.0+2.0+2.0	2.00	2.00	2.00	1.98	6.00	6.51	0.420	1.640	1.890	3.66	A	820
	2.0+2.0+2.5	2.00	2.00	2.50	1.98	6.50	6.89	0.420	1.890	2.120	3.44	A	945
	2.0+2.0+3.5	1.81	1.81	3.18	1.98	6.80	7.25	0.410	2.070	2.350	3.29	A	1,035
	2.0+2.0+4.2	1.66	1.66	3.48	1.98	6.80	7.46	0.410	2.070	2.500	3.29	A	1,035
	2.0+2.0+5.0	1.51	1.51	3.78	1.98	6.80	7.85	0.390	2.020	2.690	3.37	A	1,010
	2.0+2.0+6.0	1.36	1.36	4.08	2.33	6.80	8.11	0.440	1.830	2.640	3.72	A	915
	2.0+2.5+2.5	1.94	2.43	2.43	1.98	6.80	7.10	0.410	2.070	2.260	3.29	A	1,035
	2.0+2.5+3.5	1.70	2.13	2.97	1.98	6.80	7.59	0.390	2.070	2.590	3.29	A	1,035
	2.0+2.5+4.2	1.56	1.95	3.29	1.98	6.80	7.78	0.390	2.070	2.750	3.29	A	1,035
	2.0+2.5+5.0	1.43	1.79	3.58	1.98	6.80	7.92	0.390	2.020	2.740	3.37	A	1,010
	2.0+2.5+6.0	1.30	1.62	3.88	2.33	6.80	8.38	0.450	1.830	2.840	3.72	A	915
	2.0+3.5+3.5	1.52	2.64	2.64	1.98	6.80	7.91	0.400	2.070	2.850	3.29	A	1,035
	2.0+3.5+4.2	1.40	2.45	2.95	1.98	6.80	8.09	0.400	2.070	3.010	3.29	A	1,035
	2.0+3.5+5.0	1.30	2.27	3.23	2.30	6.80	8.41	0.440	2.020	3.170	3.37	A	1,010
	2.0+4.2+4.2	1.30	2.75	2.75	1.98	6.80	8.21	0.400	2.070	3.110	3.29	A	1,035
	2.5+2.5+2.5	2.26	2.26	2.26	1.98	6.78	7.38	0.410	2.070	2.450	3.28	A	1,035
	2.5+2.5+3.5	2.00	2.00	2.80	1.98	6.80	7.78	0.390	2.070	2.750	3.29	A	1,035
	2.5+2.5+4.2	1.85	1.85	3.10	1.98	6.80	7.96	0.390	2.070	2.900	3.29	A	1,035
	2.5+2.5+5.0	1.70	1.70	3.40	2.30	6.80	8.28	0.440	2.020	3.060	3.37	A	1,010
	2.5+2.5+6.0	1.55	1.55	3.70	2.44	6.80	8.57	0.440	1.830	3.000	3.72	A	915
	2.5+3.5+3.5	1.78	2.51	2.51	2.29	6.80	8.14	0.440	2.070	3.060	3.29	A	1,035
	2.5+3.5+4.2	1.67	2.33	2.80	2.29	6.80	8.26	0.440	2.070	3.170	3.29	A	1,035
	2.5+3.5+5.0	1.55	2.16	3.09	2.51	6.80	8.57	0.460	1.980	3.330	3.43	A	990
	2.5+4.2+4.2	1.56	2.62	2.62	2.29	6.80	8.32	0.440	2.070	3.220	3.29	A	1,035
	3.5+3.5+3.5	2.26	2.26	2.26	2.40	6.78	8.42	0.430	2.070	3.330	3.28	A	1,035

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)			TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
3MXS68G	2.0	2.72	---	---	1.51	2.72	3.93	0.440	0.740	1.270	3.68	A
	2.5	3.40	---	---	1.47	3.40	4.13	0.430	1.030	1.370	3.30	C
	3.5	4.30	---	---	1.48	4.30	4.52	0.410	1.420	1.610	3.03	D
	4.2	4.50	---	---	1.48	4.50	4.71	0.410	1.510	1.720	2.98	D
	5.0	5.60	---	---	1.65	5.60	5.76	0.390	2.130	2.260	2.63	E
	6.0	7.90	---	---	1.92	7.90	8.57	0.410	2.650	2.920	2.98	D
	2.0+2.0	3.25	3.25	---	1.62	6.50	7.64	0.380	1.870	2.250	3.48	B
	2.0+2.5	3.04	3.81	---	1.62	6.85	7.81	0.380	2.050	2.330	3.34	C
	2.0+3.5	2.71	4.74	---	1.76	7.45	8.34	0.390	2.340	2.640	3.18	D
	2.0+4.2	2.58	5.42	---	1.76	8.00	8.68	0.390	2.640	2.890	3.03	D
	2.0+5.0	2.46	6.14	---	2.14	8.60	10.15	0.480	2.800	3.260	3.07	D
	2.0+6.0	2.15	6.45	---	2.41	8.60	10.34	0.510	2.430	2.980	3.54	B
	2.5+2.5	3.60	3.60	---	1.62	7.20	8.16	0.380	2.240	2.560	3.21	C
	2.5+3.5	3.29	4.61	---	1.85	7.90	8.68	0.400	2.580	2.890	3.06	D
	2.5+4.2	3.10	5.20	---	1.85	8.30	8.93	0.400	2.800	3.070	2.96	D
	2.5+5.0	2.87	5.73	---	2.23	8.60	10.27	0.490	2.800	3.360	3.07	D
	2.5+6.0	2.53	6.07	---	2.50	8.60	10.46	0.530	2.430	3.010	3.54	B
	3.5+3.5	4.30	4.30	---	2.13	8.60	9.02	0.450	2.930	3.110	2.94	D
	3.5+4.2	3.91	4.69	---	2.13	8.60	9.11	0.450	2.920	3.160	2.95	D
	3.5+5.0	3.54	5.06	---	2.51	8.60	10.48	0.540	2.790	3.400	3.08	D
	3.5+6.0	3.17	5.43	---	2.69	8.60	10.59	0.550	2.420	3.000	3.55	B
	4.2+4.2	4.30	4.30	---	2.13	8.60	9.19	0.450	2.920	3.200	2.95	D
	4.2+5.0	3.93	4.67	---	2.51	8.60	10.49	0.540	2.790	3.470	3.08	D
	4.2+6.0	3.54	5.06	---	2.69	8.60	10.60	0.540	2.420	3.030	3.55	B
	5.0+5.0	4.30	4.30	---	2.88	8.60	10.67	0.630	2.700	3.380	3.19	D
	5.0+6.0	3.91	4.69	---	3.08	8.60	10.66	0.640	2.390	2.960	3.60	B
	2.0+2.0+2.0	2.63	2.63	2.63	1.97	7.89	10.04	0.440	2.050	2.700	3.85	A
	2.0+2.0+2.5	2.54	2.54	3.17	2.06	8.25	10.12	0.450	2.180	2.740	3.78	A
	2.0+2.0+3.5	2.29	2.29	4.02	2.26	8.60	10.22	0.470	2.340	2.880	3.68	A
	2.0+2.0+4.2	2.10	2.10	4.40	2.26	8.60	10.22	0.470	2.340	2.880	3.68	A
	2.0+2.0+5.0	1.91	1.91	4.78	2.66	8.60	10.40	0.580	2.340	2.960	3.68	A
	2.0+2.0+6.0	1.72	1.72	5.16	2.87	8.60	10.53	0.580	2.120	2.670	4.06	A
	2.0+2.5+2.5	2.46	3.07	3.07	2.16	8.60	10.13	0.460	2.350	2.840	3.66	A
	2.0+2.5+3.5	2.15	2.69	3.76	2.35	8.60	10.22	0.490	2.340	2.880	3.68	A
	2.0+2.5+4.2	1.98	2.47	4.15	2.36	8.60	10.23	0.490	2.340	2.870	3.68	A
	2.0+2.5+5.0	1.81	2.26	4.53	2.75	8.60	10.63	0.600	2.320	2.990	3.71	A
	2.0+2.5+6.0	1.64	2.05	4.91	2.96	8.60	10.64	0.600	2.100	2.640	4.10	A
	2.0+3.5+3.5	1.92	3.34	3.34	2.64	8.60	10.35	0.550	2.310	2.930	3.72	A
	2.0+3.5+4.2	1.77	3.10	3.72	2.64	8.60	10.35	0.550	2.310	2.920	3.72	A
	2.0+3.5+5.0	1.64	2.87	4.09	2.94	8.60	10.68	0.620	2.290	3.060	3.76	A
	2.0+4.2+4.2	1.65	3.47	3.47	2.64	8.60	10.36	0.550	2.310	2.920	3.72	A
	2.5+2.5+2.5	2.86	2.86	2.86	2.26	8.58	10.24	0.480	2.350	2.870	3.65	A
	2.5+2.5+3.5	2.53	2.53	3.54	2.45	8.60	10.45	0.510	2.340	2.960	3.68	A
	2.5+2.5+4.2	2.34	2.34	3.93	2.45	8.60	10.46	0.510	2.340	2.960	3.68	A
	2.5+2.5+5.0	2.15	2.15	4.30	2.85	8.60	10.64	0.620	2.290	3.020	3.76	A
	2.5+2.5+6.0	1.95	1.95	4.70	3.06	8.60	10.65	0.620	2.080	2.640	4.13	A
	2.5+3.5+3.5	2.26	3.17	3.17	2.73	8.60	10.58	0.560	2.310	2.960	3.72	A
	2.5+3.5+4.2	2.11	2.95	3.54	2.74	8.60	10.59	0.560	2.310	2.950	3.72	A
	2.5+3.5+5.0	1.95	2.74	3.91	3.13	8.60	10.65	0.640	2.290	2.980	3.76	A
	2.5+4.2+4.2	1.97	3.31	3.31	2.74	8.60	10.59	0.560	2.310	2.950	3.72	A
	3.5+3.5+3.5	2.86	2.86	2.86	2.92	8.58	10.63	0.610	2.290	3.030	3.75	A

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
4MXS68F	2.0	2.00	---	---	---	1.95	2.00	2.63	0.440	0.470	0.620	4.26	A	235
	2.5	2.50	---	---	---	1.95	2.50	3.37	0.460	0.590	0.850	4.24	A	295
	3.5	3.50	---	---	---	1.95	3.50	4.76	0.470	0.910	1.470	3.85	A	455
	4.2	4.20	---	---	---	1.95	4.20	5.02	0.470	1.210	1.620	3.47	A	605
	5.0	5.00	---	---	---	1.96	5.00	5.91	0.450	1.710	2.200	2.92	C	855
	6.0	6.00	---	---	---	1.96	6.00	6.38	0.440	2.050	2.320	2.93	C	1,025
	2.0+2.0	2.00	2.00	---	---	1.97	4.00	5.02	0.430	1.000	1.450	4.00	A	500
	2.0+2.5	2.00	2.50	---	---	1.97	4.50	5.33	0.430	1.200	1.610	3.75	A	600
	2.0+3.5	2.00	3.50	---	---	1.97	5.50	6.18	0.420	1.660	2.150	3.31	A	830
	2.0+4.2	2.00	4.20	---	---	1.97	6.20	6.38	0.420	2.090	2.300	2.97	C	1,045
	2.0+5.0	1.94	4.86	---	---	1.97	6.80	7.12	0.410	2.410	2.650	2.82	C	1,205
	2.0+6.0	1.70	5.10	---	---	1.98	6.80	7.56	0.400	2.210	2.750	3.08	B	1,105
	2.5+2.5	2.50	2.50	---	---	1.97	5.00	5.98	0.450	1.460	2.000	3.42	A	730
	2.5+3.5	2.50	3.50	---	---	1.97	6.00	6.44	0.430	2.060	2.370	2.91	C	1,030
	2.5+4.2	2.50	4.20	---	---	1.97	6.70	6.81	0.430	2.540	2.670	2.64	D	1,270
	2.5+5.0	2.27	4.53	---	---	1.97	6.80	7.23	0.400	2.410	2.750	2.82	C	1,205
	2.5+6.0	2.00	4.80	---	---	1.98	6.80	7.56	0.380	2.210	2.750	3.08	B	1,105
	3.5+3.5	3.40	3.40	---	---	1.97	6.80	6.99	0.410	2.510	2.660	2.71	D	1,255
	3.5+4.2	3.09	3.71	---	---	1.97	6.80	7.10	0.410	2.510	2.760	2.71	D	1,255
	3.5+5.0	2.80	4.00	---	---	1.97	6.80	7.61	0.380	2.410	3.120	2.82	C	1,205
	3.5+6.0	2.51	4.29	---	---	2.28	6.80	7.91	0.430	2.210	3.060	3.08	B	1,105
	4.2+4.2	3.40	3.40	---	---	1.97	6.80	7.00	0.410	2.510	2.660	2.71	D	1,255
	4.2+5.0	3.10	3.70	---	---	1.97	6.80	7.62	0.380	2.410	3.120	2.82	C	1,205
	4.2+6.0	2.80	4.00	---	---	2.28	6.80	7.92	0.430	2.210	3.060	3.06	B	1,105
	5.0+5.0	3.40	3.40	---	---	2.36	6.80	8.06	0.470	2.310	3.350	2.94	C	1,155
	5.0+6.0	3.09	3.71	---	---	2.49	6.80	8.28	0.480	2.120	3.280	3.21	A	1,060
	2.0+2.0+2.0	2.00	2.00	2.00	---	1.98	6.00	6.51	0.420	1.640	1.890	3.66	A	820
	2.0+2.0+2.5	2.00	2.00	2.50	---	1.98	6.50	6.89	0.420	1.890	2.120	3.44	A	945
	2.0+2.0+3.5	1.81	1.81	3.18	---	1.98	6.80	7.25	0.410	2.070	2.350	3.29	A	1,035
	2.0+2.0+4.2	1.66	1.66	3.48	---	1.98	6.80	7.46	0.410	2.070	2.500	3.29	A	1,035
	2.0+2.0+5.0	1.51	1.51	3.78	---	1.98	6.80	7.85	0.390	2.020	2.690	3.37	A	1,010
	2.0+2.0+6.0	1.36	1.36	4.08	---	2.33	6.80	8.11	0.440	1.830	2.640	3.72	A	915
	2.0+2.5+2.5	1.94	2.43	2.43	---	1.98	6.80	7.10	0.410	2.070	2.260	3.29	A	1,035
	2.0+2.5+3.5	1.70	2.13	2.97	---	1.98	6.80	7.59	0.390	2.070	2.590	3.29	A	1,035
	2.0+2.5+4.2	1.56	1.95	3.29	---	1.98	6.80	7.78	0.390	2.070	2.750	3.29	A	1,035
	2.0+2.5+5.0	1.43	1.79	3.58	---	1.98	6.80	7.92	0.390	2.020	2.740	3.37	A	1,010
	2.0+2.5+6.0	1.30	1.62	3.88	---	2.33	6.80	8.38	0.450	1.830	2.840	3.72	A	915
	2.0+3.5+3.5	1.52	2.64	2.64	---	1.98	6.80	7.91	0.400	2.070	2.850	3.29	A	1,035
	2.0+3.5+4.2	1.40	2.45	2.95	---	1.98	6.80	8.09	0.400	2.070	3.010	3.29	A	1,035
	2.0+3.5+5.0	1.30	2.27	3.23	---	2.30	6.80	8.41	0.440	2.020	3.170	3.37	A	1,010
	2.0+4.2+4.2	1.30	2.75	2.75	---	1.98	6.80	8.21	0.400	2.070	3.110	3.29	A	1,035
	2.5+2.5+2.5	2.26	2.26	2.26	---	1.98	6.78	7.38	0.410	2.070	2.450	3.28	A	1,035
	2.5+2.5+3.5	2.00	2.00	2.80	---	1.98	6.80	7.78	0.390	2.070	2.750	3.29	A	1,035
	2.5+2.5+4.2	1.85	1.85	3.10	---	1.98	6.80	7.96	0.390	2.070	2.900	3.29	A	1,035
	2.5+2.5+5.0	1.70	1.70	3.40	---	2.30	6.80	8.28	0.440	2.020	3.060	3.37	A	1,010
	2.5+2.5+6.0	1.55	1.55	3.70	---	2.44	6.80	8.57	0.440	1.830	3.000	3.72	A	915
	2.5+3.5+3.5	1.78	2.51	2.51	---	2.29	6.80	8.14	0.440	2.070	3.060	3.29	A	1,035
	2.5+3.5+4.2	1.67	2.33	2.80	---	2.29	6.80	8.26	0.440	2.070	3.170	3.29	A	1,035
	2.5+3.5+5.0	1.55	2.16	3.09	---	2.51	6.80	8.57	0.460	1.980	3.330	3.43	A	990
	2.5+4.2+4.2	1.56	2.62	2.62	---	2.29	6.80	8.32	0.440	2.070	3.220	3.29	A	1,035
	3.5+3.5+3.5	2.26	2.26	2.26	---	2.40	6.78	8.42	0.430	2.070	3.330	3.28	A	1,035
	2.0+2.0+2.0+2.0	1.70	1.70	1.70	1.70	1.99	6.80	7.63	0.410	1.750	2.190	3.89	A	875
	2.0+2.0+2.0+2.5	1.60	1.60	1.60	2.00	1.99	6.80	7.79	0.390	1.730	2.290	3.93	A	865
	2.0+2.0+2.0+3.5	1.43	1.43	1.43	2.51	1.99	6.80	8.17	0.400	1.710	2.530	3.98	A	855
	2.0+2.0+2.0+4.2	1.33	1.33	1.33	2.81	1.99	6.80	8.32	0.400	1.710	2.630	3.98	A	855
	2.0+2.0+2.0+5.0	1.24	1.24	1.24	3.08	2.47	6.80	8.74	0.460	1.670	2.930	4,07	A	835
	2.0+2.0+2.5+2.5	1.51	1.51	1.89	1.89	1.99	6.80	7.94	0.400	1.750	2.380	3.89	A	875
	2.0+2.0+2.5+3.5	1.36	1.36	1.70	2.38	2.34	6.80	8.32	0.450	1.730	2.630	3.93	A	865
	2.0+2.0+2.5+4.2	1.27	1.27	1.59	2.67	2.34	6.80	8.47	0.450	1.730	2.740	3.93	A	865
	2.0+2.0+3.5+3.5	1.24	1.24	2.16	2.16	2.46	6.80	8.61	0.450	1.710	2.840	3.98	A	855
	2.0+2.5+2.5+2.5	1.43	1.79	1.79	1.79	1.99	6.80	8.17	0.400	1.750	2.530	3.89	A	875
	2.0+2.5+2.5+3.5	1.30	1.62	1.62	2.26	2.34	6.80	8.46	0.450	1.730	2.740	3.93	A	865
	2.5+2.5+2.5+2.5	1.70	1.70	1.70	1.70	2.34	6.80	8.39	0.460	1.710	2.680	3.98	A	855
	2.5+2.5+2.5+3.5	1.55	1.55	1.55	2.15	2.46	6.80	8.73	0.460	1.700	2.950	4.00	A	850

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
4MXS68F	2.0	2.72	---	---	---	1.51	2.72	3.93	0.440	0.740	1.270	3.68	A
	2.5	3.40	---	---	---	1.47	3.40	4.13	0.430	1.030	1.370	3.30	C
	3.5	4.30	---	---	---	1.48	4.30	4.52	0.410	1.420	1.610	3.03	D
	4.2	4.50	---	---	---	1.48	4.50	4.71	0.410	1.510	1.720	2.98	D
	5.0	5.60	---	---	---	1.65	5.60	5.76	0.390	2.130	2.260	2.63	E
	6.0	7.90	---	---	---	1.92	7.90	8.57	0.410	2.650	2.920	2.98	D
	2.0+2.0	3.25	3.25	---	---	1.62	6.50	7.64	0.380	1.870	2.250	3.48	B
	2.0+2.5	3.04	3.81	---	---	1.62	6.85	7.81	0.380	2.050	2.330	3.34	C
	2.0+3.5	2.71	4.74	---	---	1.76	7.45	8.34	0.390	2.340	2.640	3.18	D
	2.0+4.2	2.58	5.42	---	---	1.76	8.00	8.68	0.390	2.640	2.890	3.03	D
	2.0+5.0	2.46	6.14	---	---	2.14	8.60	10.15	0.480	2.800	3.260	3.07	D
	2.0+6.0	2.15	6.45	---	---	2.41	8.60	10.34	0.510	2.430	2.980	3.54	B
	2.5+2.5	3.60	3.60	---	---	1.62	7.20	8.16	0.380	2.240	2.560	3.21	C
	2.5+3.5	3.29	4.61	---	---	1.85	7.90	8.68	0.400	2.580	2.890	3.06	D
	2.5+4.2	3.10	5.20	---	---	1.85	8.30	8.93	0.400	2.800	3.070	2.96	D
	2.5+5.0	2.87	5.73	---	---	2.23	8.60	10.27	0.490	2.800	3.360	3.07	D
	2.5+6.0	2.53	6.07	---	---	2.50	8.60	10.46	0.530	2.430	3.010	3.54	B
	3.5+3.5	4.30	4.30	---	---	2.13	8.60	9.02	0.450	2.930	3.110	2.94	D
	3.5+4.2	3.91	4.69	---	---	2.13	8.60	9.11	0.450	2.920	3.160	2.95	D
	3.5+5.0	3.54	5.06	---	---	2.51	8.60	10.48	0.540	2.790	3.400	3.08	D
	3.5+6.0	3.17	5.43	---	---	2.69	8.60	10.59	0.550	2.420	3.000	3.55	B
	4.2+4.2	4.30	4.30	---	---	2.13	8.60	9.19	0.450	2.920	3.200	2.95	D
	4.2+5.0	3.93	4.67	---	---	2.51	8.60	10.49	0.540	2.790	3.470	3.08	D
	4.2+6.0	3.54	5.06	---	---	2.69	8.60	10.60	0.540	2.420	3.030	3.55	B
	5.0+5.0	4.30	4.30	---	---	2.88	8.60	10.67	0.630	2.700	3.380	3.19	D
	5.0+6.0	3.91	4.69	---	---	3.08	8.60	10.66	0.640	2.390	2.960	3.60	B
	2.0+2.0+2.0	2.63	2.63	2.63	---	1.97	7.89	10.04	0.440	2.050	2.700	3.85	A
	2.0+2.0+2.5	2.54	2.54	3.17	---	2.06	8.25	10.12	0.450	2.180	2.740	3.78	A
	2.0+2.0+3.5	2.29	2.29	4.02	---	2.26	8.60	10.22	0.470	2.340	2.880	3.68	A
	2.0+2.0+4.2	2.10	2.10	4.40	---	2.26	8.60	10.22	0.470	2.340	2.880	3.68	A
	2.0+2.0+5.0	1.91	1.91	4.78	---	2.66	8.60	10.40	0.580	2.340	2.960	3.68	A
	2.0+2.0+6.0	1.72	1.72	5.16	---	2.87	8.60	10.53	0.580	2.120	2.670	4.06	A
	2.0+2.5+2.5	2.46	3.07	3.07	---	2.16	8.60	10.13	0.460	2.350	2.840	3.66	A
	2.0+2.5+3.5	2.15	2.69	3.76	---	2.35	8.60	10.22	0.490	2.340	2.880	3.68	A
	2.0+2.5+4.2	1.98	2.47	4.15	---	2.36	8.60	10.23	0.490	2.340	2.870	3.68	A
	2.0+2.5+5.0	1.81	2.26	4.53	---	2.75	8.60	10.63	0.600	2.320	2.990	3.71	A
	2.0+2.5+6.0	1.64	2.05	4.91	---	2.96	8.60	10.64	0.600	2.100	2.640	4.10	A
	2.0+3.5+3.5	1.92	3.34	3.34	---	2.64	8.60	10.35	0.550	2.310	2.930	3.72	A
	2.0+3.5+4.2	1.77	3.10	3.72	---	2.64	8.60	10.35	0.550	2.310	2.920	3.72	A
	2.0+3.5+5.0	1.64	2.87	4.09	---	2.94	8.60	10.68	0.620	2.290	3.060	3.76	A
	2.0+4.2+4.2	1.65	3.47	3.47	---	2.64	8.60	10.36	0.550	2.310	2.920	3.72	A
	2.5+2.5+2.5	2.86	2.86	2.86	---	2.26	8.58	10.24	0.480	2.350	2.870	3.65	A
	2.5+2.5+3.5	2.53	2.53	3.54	---	2.45	8.60	10.45	0.510	2.340	2.960	3.68	A
	2.5+2.5+4.2	2.34	2.34	3.93	---	2.45	8.60	10.46	0.510	2.340	2.960	3.68	A
	2.5+2.5+5.0	2.15	2.15	4.30	---	2.85	8.60	10.64	0.620	2.290	3.020	3.76	A
	2.5+2.5+6.0	1.95	1.95	4.70	---	3.06	8.60	10.65	0.620	2.080	2.640	4.13	A
	2.5+3.5+3.5	2.26	3.17	3.17	---	2.73	8.60	10.58	0.560	2.310	2.960	3.72	A
	2.5+3.5+4.2	2.11	2.95	3.54	---	2.74	8.60	10.59	0.560	2.310	2.950	3.72	A
	2.5+3.5+5.0	1.95	2.74	3.91	---	3.13	8.60	10.65	0.640	2.290	2.980	3.76	A
	2.5+4.2+4.2	1.97	3.31	3.31	---	2.74	8.60	10.59	0.560	2.310	2.950	3.72	A
	3.5+3.5+3.5	2.86	2.86	2.86	---	2.92	8.58	10.63	0.610	2.290	3.030	3.75	A
	2.0+2.0+2.0+2.0	2.15	2.15	2.15	2.15	2.42	8.60	10.39	0.520	1.910	2.610	4.50	A
	2.0+2.0+2.0+2.5	2.02	2.02	2.02	2.54	2.52	8.60	10.48	0.530	1.910	2.570	4.50	A
	2.0+2.0+2.0+3.5	1.81	1.81	1.81	3.17	2.72	8.60	10.58	0.570	1.900	2.630	4.53	A
	2.0+2.0+2.0+4.2	1.69	1.69	1.69	3.54	2.73	8.60	10.59	0.560	1.900	2.630	4.53	A
	2.0+2.0+2.0+5.0	1.56	1.56	1.56	3.92	3.04	8.60	10.65	0.630	1.860	2.540	4.62	A
	2.0+2.0+2.5+2.5	1.91	1.91	2.39	2.39	2.62	8.60	10.49	0.550	1.910	2.570	4.50	A
	2.0+2.0+2.5+3.5	1.72	1.72	2.15	3.01	2.92	8.60	10.59	0.600	1.900	2.630	4.53	A
	2.0+2.0+2.5+4.2	1.61	1.61	2.01	3.38	2.92	8.60	10.59	0.600	1.900	2.630	4.53	A
	2.0+2.0+3.5+3.5	1.56	1.56	2.74	2.74	3.12	8.60	10.69	0.650	1.900	2.660	4.53	A
	2.0+2.5+2.5+2.5	1.82	2.26	2.26	2.26	2.72	8.60	10.49	0.570	1.910	2.570	4.50	A
	2.0+2.5+2.5+3.5	1.64	2.05	2.05	2.86	3.02	8.60	10.68	0.630	1.900	2.670	4.53	A
	2.5+2.5+2.5+2.5	2.15	2.15	2.15	2.15	2.82	8.60	10.67	0.570	1.910	2.590	4.50	A
	2.5+2.5+2.5+3.5	1.95	1.95	1.95	2.75	3.12	8.60	10.68	0.640	1.810	2.580	4.75	A

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
4MXS80E	2.0	2.00	---	---	---	1.80	2.00	2.99	0.45	0.61	1.10	3.28	A	305
	2.5	2.50	---	---	---	1.87	2.50	3.52	0.49	0.78	1.33	3.21	A	390
	3.5	3.50	---	---	---	1.91	3.50	4.80	0.49	1.19	1.82	2.94	C	595
	4.2	4.20	---	---	---	1.99	4.20	5.26	0.53	1.52	1.92	2.76	D	760
	5.0	5.00	---	---	---	2.07	5.00	5.70	0.49	1.82	2.08	2.75	D	910
	6.0	6.00	---	---	---	2.17	6.00	6.60	0.50	1.99	2.38	3.02	B	995
	7.1	7.10	---	---	---	2.28	7.10	7.37	0.50	2.69	2.88	2.64	D	1,345
	2.0+2.0	2.00	2.00	---	---	1.97	4.00	5.30	0.50	1.23	1.67	3.25	A	615
	2.0+2.5	2.00	2.50	---	---	2.02	4.50	5.73	0.50	1.38	1.77	3.26	A	690
	2.0+3.5	2.00	3.50	---	---	2.12	5.50	6.31	0.50	1.77	2.44	3.11	B	885
	2.0+4.2	2.00	4.20	---	---	2.19	6.20	7.13	0.50	2.21	2.56	2.81	C	1,105
	2.0+5.0	2.00	5.00	---		2.27	7.00	7.30	0.51	2.51	2.76	2.79	D	1,255
	2.0+6.0	1.83	5.48	---	---	2.41	7.31	7.90	0.55	2.48	2.87	2.95	C	1,240
	2.0+7.1	1.66	5.90	---	---	2.56	7.56	8.45	0.59	2.67	3.29	2.83	C	1,335
	2.5+2.5	2.50	2.50	---	---	2.07	5.00	6.12	0.46	1.47	2.44	3.40	A	735
	2.5+3.5	2.50	3.50	---	---	2.17	6.00	6.60	0.50	1.99	2.38	3.02	B	995
	2.5+4.2	2.50	4.20	---	---	2.24	6.70	7.11	0.50	2.44	2.63	2.75	D	1,220
	2.5+5.0	2.40	4.79	---	---	2.34	7.19	7.59	0.54	2.64	2.96	2.72	D	1,320
	2.5+6.0	2.18	5.24	---	---	2.48	7.42	8.16	0.59	2.60	3.07	2.85	C	1,300
	2.5+7.1	2.00	5.68	---	---	2.63	7.68	8.66	0.59	2.74	3.43	2.80	D	1,370
	3.5+3.5	3.50	3.50	---	---	2.27	7.00	7.30	0.50	2.63	2.88	2.66	D	1,315
	3.5+4.2	3.29	3.95	---	---	2.37	7.24	7.73	0.54	2.82	3.08	2.57	E	1,410
	3.5+5.0	3.06	4.36	---	---	2.48	7.42	8.16	0.58	2.83	3.37	2.62	D	1,415
	3.5+6.0	2.82	4.83	---	---	2.61	7.65	8.62	0.59	2.74	4.11	2.79	D	1,370
	3.5+7.1	2.61	5.30	---	---	2.77	7.91	8.31	0.63	2.87	3.15	2.76	D	1,435
	4.2+4.2	3.70	3.70	---	---	2.46	7.40	8.11	0.58	2.88	3.42	2.57	E	1,440
	4.2+5.0	3.46	4.12	---	---	2.57	7.58	8.48	0.58	2.96	3.59	2.56	E	1,480
	4.2+6.0	3.22	4.60	---	---	2.71	7.82	8.89	0.63	2.80	3.66	2.79	D	1,400
	4.2+7.1	2.97	5.03	---	---	2.86	8.00	8.98	0.67	2.94	3.67	2.72	D	1,470
	5.0+5.0	3.88	3.88	---	---	2.68	7.76	8.66	0.62	2.98	3.62	2.60	E	1,490
	5.0+6.0	3.64	4.36	---	---	2.82	8.00	9.14	0.67	2.88	3.69	2.78	D	1,440
	5.0+7.1	3.31	4.69	---	---	2.97	8.00	9.35	0.67	2.82	3.85	2.84	C	1,410
	6.0+6.0	4.00	4.00	---	---	2.96	8.00	9.39	0.67	2.65	3.60	3.02	B	1,325
	6.0+7.1	3.66	4.34	---	---	3.11	8.00	9.55	0.71	2.58	3.76	3.10	B	1,290
	7.1+7.1	4.00	4.00	---	---	3.26	8.00	9.60	0.75	2.51	3.77	3.19	B	1,255
	2.0+2.0+2.0	2.00	2.00	2.00	---	2.17	6.00	6.63	0.52	1.73	2.12	3.47	A	865
	2.0+2.0+2.5	2.00	2.00	2.50	---	2.22	6.50	6.95	0.52	2.00	2.29	3.25	A	1,000
	2.0+2.0+3.5	1.92	1.92	3.35	---	2.34	7.19	7.61	0.55	2.42	2.67	2.97	C	1,210
	2.0+2.0+4.2	1.80	1.80	3.75	---	2.44	7.35	8.01	0.55	2.54	2.87	2.89	C	1,270
	2.0+2.0+5.0	1.68	1.68	4.18	---	2.55	7.54	8.40	0.59	2.55	3.17	2.96	C	1,275
	2.0+2.0+6.0	1.55	1.55	4.67	---	2.68	7.77	8.82	0.60	2.45	3.14	3.17	B	1,225
	2.0+2.0+7.1	1.44	1.44	5.12	---	2.83	8.00	9.18	0.64	2.58	3.45	3.10	B	1,290
	2.0+2.5+2.5	2.00	2.50	2.50	---	2.27	7.00	7.30	0.52	2.29	2.48	3.06	B	1,145
	2.0+2.5+3.5	1.83	2.28	3.20	---	2.41	7.31	7.90	0.55	2.48	2.87	2.95	C	1,240
	2.0+2.5+4.2	1.72	2.15	3.60	---	2.50	7.47	8.26	0.59	2.61	3.01	2.86	C	1,305
	2.0+2.5+5.0	1.61	2.01	4.03	---	2.61	7.65	8.62	0.59	2.62	3.31	2.92	C	1,310
	2.0+2.5+6.0	1.50	1.88	4.50	---	2.75	7.88	8.99	0.64	2.51	3.29	3.14	B	1,255
	2.0+2.5+7.1	1.38	1.72	4.90	---	2.90	8.00	9.30	0.67	2.58	3.53	3.10	B	1,290
	2.0+3.5+3.5	1.68	2.93	2.93	---	2.55	7.54	8.40	0.59	2.67	3.22	2.82	C	1,335

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
4MXS80E	2.0+3.5+4.2	1.59	2.78	3.33	---	2.64	7.70	8.70	0.63	2.74	3.37	2.81	C	1,370
	2.0+3.5+5.0	1.50	2.63	3.75	---	2.75	7.88	8.99	0.63	2.75	3.61	2.87	C	1,375
	2.0+3.5+6.0	1.39	2.43	4.18	---	2.89	8.00	9.28	0.67	2.58	3.52	3.10	B	1,290
	2.0+3.5+7.1	1.27	2.22	4.51	---	3.04	8.00	9.10	0.67	2.51	3.30	3.19	B	1,255
	2.0+4.2+4.2	1.52	3.17	3.17	---	2.74	7.86	8.99	0.63	2.74	3.66	2.87	C	1,370
	2.0+4.2+5.0	1.43	3.00	3.57	---	2.85	8.00	9.23	0.67	2.75	3.77	2.91	C	1,375
	2.0+4.2+6.0	1.32	2.75	3.93	---	2.98	8.00	9.45	0.67	2.51	3.60	3.19	B	1,255
	2.0+4.2+7.1	1.20	2.53	4.27	---	3.14	8.00	9.60	0.71	2.52	3.69	3.17	B	1,260
	2.0+5.0+5.0	1.34	3.33	3.33	---	2.96	8.00	9.39	0.67	2.76	3.80	2.90	C	1,380
	2.0+5.0+6.0	1.23	3.08	3.69	---	3.09	8.00	9.54	0.71	2.46	3.63	3.25	A	1,230
	2.0+5.0+7.1	1.13	2.84	4.03	---	3.25	8.00	9.60	0.71	2.39	3.63	3.35	A	1,195
	2.0+6.0+6.0	1.14	3.43	3.43	---	3.23	8.00	9.60	0.72	2.28	3.37	3.51	A	1,140
	2.5+2.5+2.5	2.40	2.40	2.40	---	2.34	7.20	7.61	0.55	2.42	2.67	2.98	C	1,210
	2.5+2.5+3.5	2.18	2.18	3.06	---	2.48	7.42	8.16	0.59	2.54	3.08	2.92	C	1,270
	2.5+2.5+4.2	2.06	2.06	3.46	---	2.57	7.58	8.49	0.59	2.67	3.29	2.84	C	1,335
	2.5+2.5+5.0	1.94	1.94	3.89	---	2.68	7.77	8.82	0.63	2.68	3.46	2.90	C	1,340
	2.5+2.5+6.0	1.82	1.82	4.36	---	2.82	8.00	9.15	0.64	2.58	3.45	3.10	B	1,290
	2.5+2.5+7.1	1.65	1.65	4.70	---	2.97	8.00	9.41	0.67	2.51	3.61	3.19	B	1,255
	2.5+3.5+3.5	2.01	2.82	2.82	---	2.61	7.65	8.34	0.59	2.74	3.01	2.79	D	1,370
	2.5+3.5+4.2	1.92	2.68	3.22	---	2.71	7.82	8.89	0.63	2.80	3.44	2.79	D	1,400
	2.5+3.5+5.0	1.81	2.55	3.64	---	2.82	8.00	9.15	0.67	2.82	3.69	2.84	C	1,410
	2.5+3.5+6.0	1.67	2.33	4.00	---	2.96	8.00	9.39	0.67	2.58	3.60	3.10	B	1,290
	2.5+3.5+7.1	1.52	2.14	4.34	---	3.11	8.00	9.10	0.71	2.51	3.30	3.19	B	1,255
	2.5+4.2+4.2	1.84	3.07	3.07	---	2.81	7.98	9.15	0.67	2.87	3.82	2.78	D	1,435
	2.5+4.2+5.0	1.71	2.87	3.42	---	2.92	8.00	9.35	0.67	2.82	3.85	2.84	C	1,410
	2.5+4.2+6.0	1.57	2.65	3.78	---	3.05	8.00	9.53	0.67	2.58	3.68	3.10	B	1,290
	2.5+4.2+7.1	1.45	2.43	4.12	---	3.20	8.00	9.63	0.71	2.52	3.77	3.17	B	1,260
	2.5+5.0+5.0	1.60	3.20	3.20	---	3.03	8.00	9.47	0.71	2.76	3.88	2.90	C	1,380
	2.5+5.0+6.0	1.48	2.96	3.56	---	3.16	8.00	9.58	0.71	2.46	3.63	3.25	A	1,230
	2.5+6.0+6.0	1.38	3.31	3.31	---	3.30	8.00	9.60	0.72	2.22	3.37	3.60	A	1,110
	3.5+3.5+3.5	2.63	2.63	2.63	---	2.75	7.89	8.67	0.63	2.87	3.15	2.75	D	1,435
	3.5+3.5+4.2	2.50	2.50	3.01	---	2.85	8.01	9.29	0.67	2.94	3.66	2.72	D	1,470
	3.5+3.5+5.0	2.33	2.33	3.34	---	2.96	8.00	9.35	0.67	2.82	3.85	2.84	C	1,410
	3.5+3.5+6.0	2.15	2.15	3.70	---	3.09	8.00	9.11	0.71	2.58	3.37	3.10	B	1,290
	3.5+3.5+7.1	1.99	1.99	4.02	---	3.25	8.00	9.60	0.75	2.52	3.77	3.17	B	1,260
	3.5+4.2+4.2	2.36	2.82	2.82	---	2.94	8.00	9.18	0.67	2.87	3.82	2.79	D	1,435
	3.5+4.2+5.0	2.21	2.65	3.14	---	3.05	8.00	9.36	0.71	2.75	3.85	2.91	C	1,375
	3.5+4.2+6.0	2.06	2.45	3.49	---	3.19	8.00	9.59	0.71	2.51	3.77	3.19	B	1,255
	3.5+5.0+5.0	2.08	2.96	2.96	---	3.16	8.00	9.55	0.71	2.76	3.88	2.90	C	1,380
	3.5+5.0+6.0	1.93	2.76	3.31	---	3.30	8.00	9.60	0.75	2.46	3.63	3.25	A	1,230
	4.2+4.2+4.2	2.67	2.67	2.67	---	3.04	8.00	9.19	0.71	2.87	3.82	2.79	D	1,435
	4.2+4.2+5.0	2.51	2.51	2.98	---	3.15	8.00	9.37	0.71	2.75	3.85	2.91	C	1,375
	4.2+4.2+6.0	2.33	2.33	3.34	---	3.29	8.00	9.60	0.75	2.51	3.77	3.19	B	1,255
	4.2+5.0+5.0	2.36	2.82	2.82	---	3.26	8.00	9.56	0.75	2.70	3.88	2.96	C	1,350
	2.0+2.0+2.0+2.0	1.83	1.83	1.83	1.83	2.41	7.32	7.90	0.56	2.07	2.38	3.54	A	1,035
	2.0+2.0+2.0+2.5	1.75	1.75	1.75	2.17	2.48	7.42	8.16	0.56	2.13	2.51	3.48	A	1,065
	2.0+2.0+2.0+3.5	1.61	1.61	1.61	2.82	2.61	7.65	8.62	0.60	2.26	2.86	3.38	A	1,130
	2.0+2.0+2.0+4.2	1.53	1.53	1.53	3.23	2.71	7.82	8.89	0.64	2.32	3.00	3.37	A	1,160
	2.0+2.0+2.0+5.0	1.45	1.45	1.45	3.65	2.82	8.00	9.15	0.64	2.52	3.32	3.17	B	1,260

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
4MXS80E	2.0+2.0+2.0+6.0	1.33	1.33	1.33	4.01	2.96	8.00	9.39	0.68	2.28	3.21	3.51	A	1,140
	2.0+2.0+2.0+7.1	1.22	1.22	1.22	4.34	3.11	8.00	9.55	0.68	2.22	3.29	3.60	A	1,110
	2.0+2.0+2.5+2.5	1.68	1.68	2.09	2.09	2.55	7.54	8.40	0.60	2.20	2.72	3.43	A	1,100
	2.0+2.0+2.5+3.5	1.55	1.55	1.94	2.73	2.68	7.77	8.82	0.60	2.45	3.14	3.17	B	1,225
	2.0+2.0+2.5+4.2	1.48	1.48	1.85	3.12	2.78	7.93	9.06	0.64	2.58	3.30	3.07	B	1,290
	2.0+2.0+2.5+5.0	1.39	1.39	1.74	3.48	2.89	8.00	9.28	0.64	2.52	3.39	3.17	B	1,260
	2.0+2.0+2.5+6.0	1.28	1.28	1.60	3.84	3.03	8.00	9.47	0.68	2.28	3.21	3.51	A	1,140
	2.0+2.0+2.5+7.1	1.18	1.18	1.47	4.17	3.18	8.00	9.59	0.72	2.22	3.29	3.60	A	1,110
	2.0+2.0+3.5+3.5	1.45	1.45	2.55	2.55	2.82	8.00	8.96	0.64	2.58	3.22	3.10	B	1,290
	2.0+2.0+3.5+4.2	1.37	1.37	2.39	2.87	2.92	8.00	9.32	0.67	2.58	3.53	3.10	B	1,290
	2.0+2.0+3.5+5.0	1.28	1.28	2.24	3.20	3.03	8.00	9.47	0.68	2.52	3.55	3.17	B	1,260
	2.0+2.0+3.5+6.0	1.19	1.19	2.07	3.55	3.16	8.00	9.58	0.72	2.28	3.29	3.51	A	1,140
	2.0+2.0+4.2+4.2	1.29	1.29	2.71	2.71	3.01	8.00	9.46	0.67	2.58	3.61	3.10	B	1,290
	2.0+2.0+4.2+5.0	1.21	1.21	2.55	3.03	3.12	8.00	9.56	0.71	2.52	3.55	3.17	B	1,260
	2.0+2.0+4.2+6.0	1.13	1.13	2.37	3.37	3.26	8.00	9.60	0.72	2.28	3.29	3.51	A	1,140
	2.0+2.0+5.0+5.0	1.14	1.14	2.86	2.86	3.23	8.00	9.60	0.71	2.44	3.50	3.28	A	1,220
	2.0+2.5+2.5+2.5	1.62	2.01	2.01	2.01	2.61	7.65	8.62	0.60	2.26	2.85	3.38	A	1,130
	2.0+2.5+2.5+3.5	1.50	1.88	1.88	2.62	2.75	7.88	8.99	0.64	2.51	3.29	3.14	B	1,255
	2.0+2.5+2.5+4.2	1.43	1.79	1.79	2.99	2.85	8.00	9.20	0.64	2.58	3.45	3.10	B	1,290
	2.0+2.5+2.5+5.0	1.33	1.67	1.67	3.33	2.96	8.00	9.39	0.68	2.52	3.47	3.17	B	1,260
	2.0+2.5+2.5+6.0	1.23	1.54	1.54	3.69	3.09	8.00	9.54	0.68	2.25	3.29	3.56	A	1,125
	2.0+2.5+2.5+7.1	1.13	1.42	1.42	4.03	3.25	8.00	9.60	0.72	2.28	3.29	3.51	A	1,140
	2.0+2.5+3.5+3.5	1.40	1.74	2.43	2.43	2.89	8.00	9.14	0.67	2.58	3.37	3.10	B	1,290
	2.0+2.5+3.5+4.2	1.31	1.64	2.30	2.75	2.98	8.00	9.47	0.67	2.58	3.61	3.10	B	1,290
	2.0+2.5+3.5+5.0	1.23	1.54	2.15	3.08	3.09	8.00	9.54	0.71	2.52	3.55	3.17	B	1,260
	2.0+2.5+3.5+6.0	1.14	1.43	2.00	3.43	3.23	8.00	9.60	0.72	2.28	3.29	3.51	A	1,140
	2.0+2.5+4.2+4.2	1.25	1.55	2.60	2.60	3.08	8.00	9.53	0.71	2.58	3.69	3.10	B	1,290
	2.0+2.5+4.2+5.0	1.17	1.46	2.45	2.92	3.19	8.00	9.59	0.71	2.52	3.63	3.17	B	1,260
	2.0+2.5+5.0+5.0	1.10	1.38	2.76	2.76	3.30	8.00	9.60	0.71	2.40	3.50	3.33	A	1,200
	2.0+3.5+3.5+3.5	1.28	2.24	2.24	2.24	3.03	8.00	9.23	0.67	2.58	3.30	3.10	B	1,290
	2.0+3.5+3.5+4.2	1.21	2.12	2.12	2.55	3.12	8.00	9.56	0.71	2.58	3.69	3.10	B	1,290
	2.0+3.5+3.5+5.0	1.14	2.00	2.00	2.86	3.23	8.00	9.60	0.71	2.52	3.63	3.17	B	1,260
	2.0+3.5+4.2+4.2	1.15	2.01	2.42	2.42	3.22	8.00	9.60	0.71	2.58	3.77	3.10	B	1,290
	2.5+2.5+2.5+2.5	1.94	1.94	1.94	1.94	2.68	7.76	8.82	0.60	2.45	3.14	3.17	B	1,225
	2.5+2.5+2.5+3.5	1.82	1.82	1.82	2.54	2.82	8.00	8.98	0.64	2.58	3.22	3.10	B	1,290
	2.5+2.5+2.5+4.2	1.71	1.71	1.71	2.87	2.92	8.00	9.32	0.67	2.58	3.53	3.10	B	1,290
	2.5+2.5+2.5+5.0	1.60	1.60	1.60	3.20	3.03	8.00	9.47	0.68	2.52	3.55	3.17	B	1,260
	2.5+2.5+2.5+6.0	1.48	1.48	1.48	3.56	3.16	8.00	9.58	0.72	2.28	3.29	3.51	A	1,140
	2.5+2.5+3.5+3.5	1.67	1.67	2.33	2.33	2.96	8.00	9.10	0.67	2.58	3.37	3.10	B	1,290
	2.5+2.5+3.5+4.2	1.57	1.57	2.21	2.65	3.05	8.00	9.50	0.67	2.58	3.69	3.10	B	1,290
	2.5+2.5+3.5+5.0	1.48	1.48	2.07	2.97	3.16	8.00	9.58	0.71	2.52	3.63	3.17	B	1,260
	2.5+2.5+3.5+6.0	1.38	1.38	1.93	3.31	3.30	8.00	9.60	0.72	2.28	3.29	3.51	A	1,140
	2.5+2.5+4.2+4.2	1.49	1.49	2.51	2.51	3.15	8.00	9.57	0.71	2.58	3.69	3.10	B	1,290
	2.5+2.5+4.2+5.0	1.41	1.41	2.37	2.81	3.26	8.00	9.60	0.71	2.52	3.63	3.17	B	1,260
	2.5+3.5+3.5+3.5	1.55	2.15	2.15	2.15	3.09	8.00	9.35	0.71	2.58	3.30	3.10	B	1,290
	2.5+3.5+3.5+4.2	1.47	2.04	2.04	2.45	3.19	8.00	9.59	0.71	2.58	3.77	3.10	B	1,290
	2.5+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	3.17	B	1,260
	2.5+3.5+4.2+4.2	1.40	1.94	2.33	2.33	3.29	8.00	9.60	0.75	2.58	3.77	3.10	B	1,290
	3.5+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	3.10	B	1,290

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
	2.0	2.44	---	---	---	1.31	2.44	4.10	0.31	0.67	1.22	3.64	A
	2.5	3.05	---	---	---	1.36	3.05	4.55	0.33	0.88	1.31	3.47	B
	3.5	4.27	---	---	---	1.48	4.27	5.11	0.34	1.42	1.73	3.01	D
	4.2	5.12	---	---	---	1.68	5.12	5.17	0.37	1.73	1.77	2.96	D
	5.0	6.09	---	---	---	1.90	6.09	7.12	0.44	1.78	2.25	3.42	B
	6.0	7.31	---	---	---	2.19	7.31	8.19	0.55	2.19	2.64	3.34	C
	7.1	8.65	---	---	---	2.50	8.65	9.00	0.59	2.77	2.97	3.12	D
	2.0+2.0	2.44	2.44	---	---	1.62	4.88	6.55	0.34	1.17	1.74	4.17	A
	2.0+2.5	2.44	3.05	---	---	1.76	5.49	6.85	0.37	1.34	1.82	4.10	A
	2.0+3.5	2.44	4.26	---	---	2.05	6.70	7.35	0.43	1.86	2.13	3.60	A
	2.0+4.2	2.44	5.11	---	---	2.24	7.55	7.35	0.47	2.22	2.13	3.40	C
	2.0+5.0	2.44	6.09	---		2.47	8.53	8.72	0.55	2.32	2.42	3.68	A
	2.0+6.0	2.32	6.95	---	---	2.74	9.27	9.67	0.57	2.44	2.64	3.80	A
	2.0+7.1	2.11	7.49	---	---	3.04	9.60	10.36	0.61	2.48	2.89	3.87	A
	2.5+2.5	3.04	3.04	---	---	1.90	6.08	7.16	0.41	1.69	2.14	3.60	B
	2.5+3.5	3.05	4.26	---	---	2.19	7.31	8.53	0.55	2.13	2.67	3.43	B
	2.5+4.2	3.04	5.12	---	---	2.39	8.16	8.53	0.57	2.46	2.67	3.32	C
	2.5+5.0	2.98	5.95	---	---	2.61	8.93	9.31	0.57	2.52	2.72	3.54	B
	2.5+6.0	2.82	6.78	---	---	2.88	9.60	10.10	0.59	2.65	2.94	3.62	A
	2.5+7.1	2.50	7.10	---	---	3.17	9.60	10.36	0.63	2.51	2.93	3.82	A
	3.5+3.5	4.26	4.26	---	---	2.47	8.52	9.18	0.59	2.70	3.04	3.16	D
	3.5+4.2	4.11	4.94	---	---	2.66	9.05	9.18	0.61	2.98	3.04	3.04	D
	3.5+5.0	3.95	5.65	---	---	2.88	9.60	9.92	0.62	2.77	2.93	3.47	B
	3.5+6.0	3.54	6.06	---	---	3.15	9.60	10.34	0.61	2.49	2.90	3.86	A
4MXS80E	3.5+7.1	3.17	6.43	---	---	3.45	9.60	10.37	0.67	2.43	2.84	3.95	A
	4.2+4.2	4.78	4.78	---	---	2.85	9.55	9.99	0.63	2.65	2.91	3.60	B
	4.2+5.0	4.38	5.22	---	---	3.07	9.60	10.12	0.64	2.61	2.87	3.68	A
	4.2+6.0	3.95	5.65	---	---	3.34	9.60	10.35	0.65	2.44	2.84	3.93	A
	4.2+7.1	3.57	6.03	---	---	3.63	9.60	10.38	0.70	2.43	2.83	3.95	A
	5.0+5.0	4.80	4.80	---	---	3.28	9.60	10.24	0.67	2.52	2.83	3.81	A
	5.0+6.0	4.36	5.24	---	---	3.55	9.60	10.47	0.66	2.40	2.80	4.00	A
	5.0+7.1	3.97	5.63	---	---	3.85	9.60	10.50	0.70	2.38	2.79	4.03	A
	6.0+6.0	4.80	4.80	---	---	3.82	9.60	10.70	0.67	2.32	2.77	4.14	A
	6.0+7.1	4.40	5.20	---	---	4.12	9.60	10.73	0.71	2.31	2.76	4.16	A
	7.1+7.1	4.80	4.80	---	---	4.42	9.60	10.77	0.78	2.25	2.70	4.27	A
	2.0+2.0+2.0	2.43	2.43	2.43	---	2.19	7.29	8.33	0.48	1.76	2.14	4.14	A
	2.0+2.0+2.5	2.44	2.44	3.04	---	2.33	7.92	8.93	0.50	1.96	2.32	4.04	A
	2.0+2.0+3.5	2.38	2.38	4.17	---	2.61	8.93	9.68	0.54	2.29	2.63	3.90	A
	2.0+2.0+4.2	2.30	2.30	4.81	---	2.80	9.41	9.69	0.56	2.48	2.63	3.79	A
	2.0+2.0+5.0	2.13	2.13	5.34	---	3.01	9.60	10.48	0.57	2.39	2.80	4.02	A
	2.0+2.0+6.0	1.92	1.92	5.76	---	3.28	9.60	10.71	0.58	2.27	2.72	4.23	A
	2.0+2.0+7.1	1.73	1.73	6.14	---	3.58	9.60	10.74	0.62	2.26	2.71	4.25	A
	2.0+2.5+2.5	2.43	3.05	3.05	---	2.47	8.53	8.93	0.52	2.16	2.30	3.95	A
	2.0+2.5+3.5	2.31	2.90	4.06	---	2.74	9.27	9.68	0.56	2.41	2.61	3.85	A
	2.0+2.5+4.2	2.21	2.76	4.63	---	2.93	9.60	9.69	0.59	2.56	2.61	3.75	A
	2.0+2.5+5.0	2.02	2.53	5.05	---	3.15	9.60	10.48	0.59	2.39	2.80	4.02	A
	2.0+2.5+6.0	1.82	2.29	5.49	---	3.42	9.60	10.71	0.60	2.27	2.72	4.23	A
	2.0+2.5+7.1	1.65	2.07	5.88	---	3.72	9.60	10.74	0.64	2.26	2.71	4.25	A
	2.0+3.5+3.5	2.14	3.73	3.73	---	3.01	9.60	10.35	0.59	2.43	2.84	3.95	A

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
4MXS80E	2.0+3.5+4.2	1.99	3.46	4.15	---	3.20	9.60	10.36	0.63	2.43	2.84	3.95	A
	2.0+3.5+5.0	1.83	3.20	4.57	---	3.42	9.60	10.49	0.63	2.39	2.80	4.02	A
	2.0+3.5+6.0	1.67	2.92	5.01	---	3.69	9.60	10.72	0.64	2.27	2.72	4.23	A
	2.0+3.5+7.1	1.52	2.67	5.41	---	3.99	9.60	10.75	0.69	2.26	2.70	4.25	A
	2.0+4.2+4.2	1.84	3.88	3.88	---	3.39	9.60	10.37	0.65	2.43	2.84	3.95	A
	2.0+4.2+5.0	1.71	3.60	4.29	---	3.61	9.60	10.49	0.68	2.39	2.79	4.02	A
	2.0+4.2+6.0	1.58	3.30	4.72	---	3.88	9.60	10.72	0.67	2.27	2.71	4.23	A
	2.0+4.2+7.1	1.45	3.03	5.12	---	4.18	9.60	10.76	0.73	2.26	2.70	4.25	A
	2.0+5.0+5.0	1.60	4.00	4.00	---	3.82	9.60	10.62	0.68	2.30	2.75	4.17	A
	2.0+5.0+6.0	1.48	3.69	4.43	---	4.09	9.60	10.85	0.69	2.18	2.72	4.40	A
	2.0+5.0+7.1	1.37	3.40	4.83	---	4.39	9.60	10.88	0.74	2.17	2.71	4.42	A
	2.0+6.0+6.0	1.38	4.11	4.11	---	4.36	9.60	11.08	0.70	2.11	2.64	4.55	A
	2.5+2.5+2.5	2.97	2.97	2.97	---	2.61	8.91	9.88	0.54	2.34	2.74	3.81	A
	2.5+2.5+3.5	2.82	2.82	3.96	---	2.88	9.60	10.12	0.59	2.53	2.79	3.79	A
	2.5+2.5+4.2	2.61	2.61	4.38	---	3.07	9.60	10.12	0.61	2.53	2.79	3.79	A
	2.5+2.5+5.0	2.40	2.40	4.80	---	3.28	9.60	10.48	0.61	2.39	2.80	4.02	A
	2.5+2.5+6.0	2.18	2.18	5.24	---	3.55	9.60	10.71	0.62	2.27	2.72	4.23	A
	2.5+2.5+7.1	1.98	1.98	5.64	---	3.85	9.60	10.74	0.66	2.26	2.71	4.25	A
	2.5+3.5+3.5	2.52	3.54	3.54	---	3.15	9.60	10.35	0.61	2.43	2.84	3.95	A
	2.5+3.5+4.2	2.36	3.29	3.95	---	3.34	9.60	10.36	0.65	2.43	2.84	3.95	A
	2.5+3.5+5.0	2.19	3.05	4.36	---	3.55	9.60	10.49	0.66	2.39	2.80	4.02	A
	2.5+3.5+6.0	2.00	2.80	4.80	---	3.82	9.60	10.72	0.67	2.27	2.72	4.23	A
	2.5+3.5+7.1	1.84	2.56	5.20	---	4.12	9.60	10.75	0.71	2.26	2.70	4.25	A
	2.5+4.2+4.2	2.20	3.70	3.70	---	3.53	9.60	10.37	0.68	2.43	2.84	3.95	A
	2.5+4.2+5.0	2.06	3.45	4.09	---	3.74	9.60	10.49	0.70	2.39	2.79	4.02	A
	2.5+4.2+6.0	1.90	3.17	4.53	---	4.01	9.60	10.72	0.69	2.27	2.71	4.23	A
	2.5+4.2+7.1	1.75	2.92	4.93	---	4.31	9.60	10.76	0.76	2.26	2.70	4.25	A
	2.5+5.0+5.0	1.92	3.84	3.84	---	3.96	9.60	10.62	0.71	2.30	2.75	4.17	A
	2.5+5.0+6.0	1.77	3.56	4.27	---	4.23	9.60	10.85	0.72	2.18	2.72	4.40	A
	2.5+6.0+6.0	1.66	3.97	3.97	---	4.50	9.60	11.08	0.72	2.11	2.64	4.55	A
	3.5+3.5+3.5	3.20	3.20	3.20	---	3.42	9.60	10.36	0.65	2.43	2.84	3.95	A
	3.5+3.5+4.2	3.00	3.00	3.60	---	3.61	9.60	10.37	0.70	2.43	2.84	3.95	A
	3.5+3.5+5.0	2.80	2.80	4.00	---	3.82	9.60	10.49	0.70	2.39	2.79	4.02	A
	3.5+3.5+6.0	2.58	2.58	4.44	---	4.09	9.60	10.72	0.71	2.27	2.71	4.23	A
	3.5+3.5+7.1	2.38	2.38	4.84	---	4.39	9.60	10.76	0.76	2.26	2.70	4.25	A
	3.5+4.2+4.2	2.82	3.39	3.39	---	3.80	9.60	10.38	0.72	2.43	2.83	3.95	A
	3.5+4.2+5.0	2.65	3.17	3.78	---	4.01	9.60	10.50	0.75	2.39	2.79	4.02	A
	3.5+4.2+6.0	2.45	2.94	4.21	---	4.28	9.60	10.73	0.74	2.26	2.71	4.25	A
	3.5+5.0+5.0	2.48	3.56	3.56	---	4.23	9.60	10.63	0.76	2.30	2.75	4.17	A
	3.5+5.0+6.0	2.32	3.31	3.97	---	4.50	9.60	10.86	0.77	2.18	2.72	4.40	A
	4.2+4.2+4.2	3.20	3.20	3.20	---	3.99	9.60	10.38	0.75	2.42	2.83	3.97	A
	4.2+4.2+5.0	3.01	3.01	3.58	---	4.20	9.60	10.51	0.78	2.38	2.79	4.03	A
	4.2+4.2+6.0	2.80	2.80	4.00	---	4.47	9.60	10.74	0.79	2.26	2.71	4.25	A
	4.2+5.0+5.0	2.84	3.38	3.38	---	4.42	9.60	10.64	0.81	2.29	2.74	4.19	A
	2.0+2.0+2.0+2.0	2.32	2.32	2.32	2.32	2.74	9.28	9.78	0.48	2.27	2.51	4.09	A
	2.0+2.0+2.0+2.5	2.26	2.26	2.26	2.82	2.88	9.60	9.92	0.52	2.36	2.51	4.07	A
	2.0+2.0+2.0+3.5	2.02	2.02	2.02	3.54	3.15	9.60	10.72	0.56	2.27	2.71	4.23	A
	2.0+2.0+2.0+4.2	1.88	1.88	1.88	3.96	3.34	9.60	10.73	0.58	2.26	2.71	4.25	A
	2.0+2.0+2.0+5.0	1.75	1.75	1.75	4.35	3.55	9.60	10.86	0.60	2.18	2.72	4.40	A

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)				TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
4MXS80E	2.0+2.0+2.0+6.0	1.60	1.60	1.60	4.80	3.82	9.60	11.09	0.59	2.10	2.64	4.57	A
	2.0+2.0+2.0+7.1	1.47	1.47	1.47	5.19	4.12	9.60	11.12	0.65	2.09	2.63	4.59	A
	2.0+2.0+2.5+2.5	2.13	2.13	2.67	2.67	3.01	9.60	10.71	0.54	2.27	2.72	4.23	A
	2.0+2.0+2.5+3.5	1.92	1.92	2.40	3.36	3.28	9.60	10.72	0.58	2.27	2.71	4.23	A
	2.0+2.0+2.5+4.2	1.79	1.79	2.25	3.77	3.47	9.60	10.73	0.60	2.26	2.71	4.25	A
	2.0+2.0+2.5+5.0	1.67	1.67	2.09	4.17	3.69	9.60	10.86	0.62	2.18	2.72	4.40	A
	2.0+2.0+2.5+6.0	1.54	1.54	1.92	4.60	3.96	9.60	11.09	0.61	2.10	2.64	4.57	A
	2.0+2.0+2.5+7.1	1.41	1.41	1.76	5.02	4.26	9.60	11.12	0.67	2.09	2.63	4.59	A
	2.0+2.0+3.5+3.5	1.75	1.75	3.05	3.05	3.55	9.60	10.73	0.62	2.26	2.71	4.25	A
	2.0+2.0+3.5+4.2	1.64	1.64	2.87	3.45	3.74	9.60	10.74	0.64	2.26	2.71	4.25	A
	2.0+2.0+3.5+5.0	1.54	1.54	2.69	3.83	3.96	9.60	10.86	0.67	2.17	2.71	4.42	A
	2.0+2.0+3.5+6.0	1.42	1.42	2.49	4.27	4.23	9.60	11.09	0.67	2.10	2.63	4.57	A
	2.0+2.0+4.2+4.2	1.55	1.55	3.25	3.25	3.93	9.60	10.75	0.66	2.26	2.70	4.25	A
	2.0+2.0+4.2+5.0	1.45	1.45	3.06	3.64	4.15	9.60	10.87	0.69	2.17	2.71	4.42	A
	2.0+2.0+4.2+6.0	1.35	1.35	2.84	4.06	4.42	9.60	11.10	0.70	2.10	2.63	4.57	A
	2.0+2.0+5.0+5.0	1.37	1.37	3.43	3.43	4.36	9.60	11.00	0.72	2.13	2.67	4.51	A
	2.0+2.5+2.5+2.5	2.01	2.53	2.53	2.53	3.15	9.60	10.71	0.56	2.27	2.72	4.23	A
	2.0+2.5+2.5+3.5	1.82	2.29	2.29	3.20	3.42	9.60	10.72	0.60	2.27	2.71	4.23	A
	2.0+2.5+2.5+4.2	1.72	2.14	2.14	3.60	3.61	9.60	10.73	0.62	2.26	2.71	4.25	A
	2.0+2.5+2.5+5.0	1.60	2.00	2.00	4.00	3.82	9.60	10.86	0.65	2.18	2.72	4.40	A
	2.0+2.5+2.5+6.0	1.47	1.85	1.85	4.43	4.09	9.60	11.09	0.65	2.10	2.64	4.57	A
	2.0+2.5+2.5+7.1	1.37	1.70	1.70	4.83	4.39	9.60	11.12	0.69	2.09	2.63	4.59	A
	2.0+2.5+3.5+3.5	1.67	2.09	2.92	2.92	3.69	9.60	10.73	0.64	2.26	2.71	4.25	A
	2.0+2.5+3.5+4.2	1.58	1.97	2.75	3.30	3.88	9.60	10.74	0.66	2.26	2.71	4.25	A
	2.0+2.5+3.5+5.0	1.48	1.85	2.58	3.69	4.09	9.60	10.86	0.69	2.18	2.71	4.40	A
	2.0+2.5+3.5+6.0	1.38	1.71	2.40	4.11	4.36	9.60	11.09	0.70	2.10	2.63	4.57	A
	2.0+2.5+4.2+4.2	1.50	1.86	3.12	3.12	4.07	9.60	10.75	0.69	2.26	2.70	4.25	A
	2.0+2.5+4.2+5.0	1.41	1.75	2.94	3.50	4.28	9.60	10.87	0.71	2.17	2.71	4.42	A
	2.0+2.5+5.0+5.0	1.32	1.66	3.31	3.31	4.50	9.60	11.00	0.74	2.13	2.67	4.51	A
	2.0+3.5+3.5+3.5	1.53	2.69	2.69	2.69	3.96	9.60	10.74	0.69	2.26	2.71	4.25	A
	2.0+3.5+3.5+4.2	1.45	2.55	2.55	3.05	4.15	9.60	10.75	0.71	2.26	2.70	4.25	A
	2.0+3.5+3.5+5.0	1.37	2.40	2.40	3.43	4.36	9.60	10.87	0.74	2.17	2.71	4.42	A
	2.0+3.5+4.2+4.2	1.38	2.42	2.90	2.90	4.34	9.60	10.75	0.76	2.26	2.70	4.25	A
	2.5+2.5+2.5+2.5	2.40	2.40	2.40	2.40	3.28	9.60	10.71	0.58	2.27	2.72	4.23	A
	2.5+2.5+2.5+3.5	2.18	2.18	2.18	3.06	3.55	9.60	10.72	0.62	2.27	2.71	4.23	A
	2.5+2.5+2.5+4.2	2.05	2.05	2.05	3.45	3.74	9.60	10.73	0.64	2.26	2.71	4.25	A
	2.5+2.5+2.5+5.0	1.92	1.92	1.92	3.84	3.96	9.60	10.86	0.67	2.18	2.72	4.40	A
	2.5+2.5+2.5+6.0	1.78	1.78	1.78	4.26	4.23	9.60	11.09	0.68	2.10	2.64	4.57	A
	2.5+2.5+3.5+3.5	2.00	2.00	2.80	2.80	3.82	9.60	10.73	0.67	2.26	2.71	4.25	A
	2.5+2.5+3.5+4.2	1.89	1.89	2.65	3.17	4.01	9.60	10.74	0.69	2.26	2.71	4.25	A
	2.5+2.5+3.5+5.0	1.78	1.78	2.49	3.55	4.23	9.60	10.86	0.71	2.18	2.71	4.40	A
	2.5+2.5+3.5+6.0	1.66	1.66	2.32	3.96	4.50	9.60	11.09	0.72	2.10	2.63	4.57	A
	2.5+2.5+4.2+4.2	1.79	1.79	3.01	3.01	4.20	9.60	10.75	0.71	2.26	2.70	4.25	A
	2.5+2.5+4.2+5.0	1.69	1.69	2.85	3.37	4.42	9.60	10.87	0.76	2.17	2.71	4.42	A
	2.5+3.5+3.5+3.5	1.86	2.58	2.58	2.58	4.09	9.60	10.74	0.71	2.26	2.71	4.25	A
	2.5+3.5+3.5+4.2	1.76	2.45	2.45	2.94	4.28	9.60	10.75	0.74	2.26	2.70	4.25	A
	2.5+3.5+3.5+5.0	1.65	2.32	2.32	3.31	4.50	9.60	10.87	0.76	2.17	2.71	4.42	A
	2.5+3.5+4.2+4.2	1.67	2.33	2.80	2.80	4.47	9.60	10.75	0.78	2.26	2.70	4.25	A
	3.5+3.5+3.5+3.5	2.40	2.40	2.40	2.40	4.36	9.60	10.75	0.76	2.26	2.70	4.25	A

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
5MXS90E	2.0	2.00	---	---	---	---	1.88	2.00	3.03	0.45	0.56	1.02	3.57	A	280
	2.5	2.50	---	---	---	---	2.00	2.50	3.54	0.49	0.71	1.18	3.52	A	355
	3.5	3.50	---	---	---	---	2.05	3.50	4.82	0.52	1.14	1.47	3.07	B	570
	4.2	4.20	---	---	---	---	2.13	4.20	5.14	0.56	1.38	1.69	3.04	B	690
	5.0	5.00	---	---	---	---	2.22	5.00	5.50	0.49	1.64	1.83	3.05	B	820
	6.0	6.00	---	---	---	---	2.33	6.00	6.60	0.50	1.89	2.24	3.17	B	945
	7.1	7.10	---	---	---	---	2.45	7.10	7.38	0.53	2.57	2.74	2.76	D	1,285
	2.0+2.0	2.00	2.00	---	---	---	2.11	4.00	5.30	0.50	1.14	1.79	3.51	A	570
	2.0+2.5	2.00	2.50	---	---	---	2.16	4.50	5.73	0.50	1.30	1.79	3.46	A	650
	2.0+3.5	2.00	3.50	---	---	---	2.27	5.50	6.36	0.50	1.70	2.09	3.24	A	850
	2.0+4.2	2.00	4.20	---	---	---	2.35	6.20	6.75	0.50	1.99	2.35	3.12	B	995
	2.0+5.0	2.00	5.00	---	---	---	2.44	7.00	7.31	0.50	2.42	2.59	2.89	C	1,210
	2.0+6.0	1.86	5.56	---	---	---	2.58	7.42	7.96	0.54	2.45	2.81	3.03	B	1,225
	2.0+7.1	1.71	6.09	---	---	---	2.74	7.80	8.47	0.57	2.69	3.13	2.90	C	1,345
	2.5+2.5	2.50	2.50	---	---	---	2.22	5.00	6.20	0.46	1.39	1.99	3.60	A	695
	2.5+3.5	2.50	3.50	---	---	---	2.33	6.00	6.60	0.50	1.89	2.25	3.17	B	945
	2.5+4.2	2.50	4.20	---	---	---	2.41	6.70	7.11	0.50	2.30	2.57	2.91	C	1,150
	2.5+5.0	2.41	4.83	---	---	---	2.51	7.24	7.64	0.53	2.59	2.82	2.80	D	1,295
	2.5+6.0	2.23	5.36	---	---	---	2.66	7.59	8.25	0.57	2.57	3.00	2.95	C	1,285
	2.5+7.1	2.08	5.90	---	---	---	2.82	7.98	8.47	0.60	2.81	3.13	2.84	C	1,405
	3.5+3.5	3.50	3.50	---	---	---	2.44	7.00	7.31	0.53	2.52	2.69	2.78	D	1,260
	3.5+4.2	3.32	3.99	---	---	---	2.54	7.31	7.66	0.53	2.69	2.92	2.72	D	1,345
	3.5+5.0	3.13	4.46	---	---	---	2.66	7.59	7.83	0.57	2.82	2.94	2.69	D	1,410
	3.5+6.0	2.93	5.01	---	---	---	2.80	7.94	8.45	0.60	2.81	3.13	2.83	C	1,405
	3.5+7.1	2.75	5.58	---	---	---	2.96	8.33	8.47	0.64	3.07	3.13	2.71	D	1,535
	4.2+4.2	3.78	3.78	---	---	---	2.64	7.56	7.67	0.56	2.86	2.92	2.64	D	1,430
	4.2+5.0	3.58	4.26	---	---	---	2.76	7.84	8.01	0.60	2.94	3.07	2.67	D	1,470
	4.2+6.0	3.37	4.82	---	---	---	2.91	8.19	8.46	0.60	2.94	3.13	2.79	D	1,470
	4.2+7.1	3.19	5.39	---	---	---	3.07	8.58	8.66	0.64	3.26	3.26	2.63	D	1,630
	5.0+5.0	4.06	4.06	---	---	---	2.88	8.12	8.18	0.60	3.09	3.19	2.63	D	1,545
	5.0+6.0	3.85	4.62	---	---	---	3.02	8.47	8.64	0.64	3.09	3.25	2.74	D	1,545
	5.0+7.1	3.66	5.20	---	---	---	3.19	8.86	8.88	0.67	3.36	3.39	2.64	D	1,680
	6.0+6.0	4.41	4.41	---	---	---	3.17	8.82	9.27	0.64	3.08	3.36	2.86	C	1,540
	6.0+7.1	4.12	4.88	---	---	---	3.33	9.00	9.29	0.68	3.08	3.36	2.92	C	1,540
	7.1+7.1	4.50	4.50	---	---	---	3.49	9.00	9.31	0.71	3.02	3.36	2.98	C	1,510
	2.0+2.0+2.0	2.00	2.00	2.00	---	---	2.33	6.00	6.63	0.50	1.66	1.96	3.61	A	830
	2.0+2.0+2.5	2.00	2.00	2.50	---	---	2.38	6.50	6.97	0.50	1.91	2.17	3.40	A	955
	2.0+2.0+3.5	1.93	1.93	3.38	---	---	2.51	7.24	7.64	0.54	2.34	2.57	3.09	B	1,170
	2.0+2.0+4.2	1.83	1.83	3.83	---	---	2.61	7.49	8.08	0.54	2.45	2.88	3.06	B	1,225
	2.0+2.0+5.0	1.72	1.72	4.33	---	---	2.73	7.77	8.53	0.57	2.59	3.09	3.00	C	1,295
	2.0+2.0+6.0	1.62	1.62	4.88	---	---	2.88	8.12	9.03	0.58	2.56	3.22	3.17	B	1,280
	2.0+2.0+7.1	1.53	1.53	5.45	---	---	3.04	8.51	9.30	0.61	2.82	3.36	3.02	B	1,410
	2.0+2.5+2.5	2.00	2.50	2.50	---	---	2.44	7.00	7.31	0.50	2.17	2.40	3.23	A	1,085
	2.0+2.5+3.5	1.86	2.32	3.24	---	---	2.58	7.42	7.96	0.54	2.45	2.81	3.03	B	1,225
	2.0+2.5+4.2	1.76	2.20	3.70	---	---	2.69	7.66	8.36	0.57	2.57	3.07	2.98	C	1,285
	2.0+2.5+5.0	1.67	2.09	4.18	---	---	2.80	7.94	8.65	0.57	2.71	3.15	2.93	C	1,355
	2.0+2.5+6.0	1.58	1.98	4.74	---	---	2.95	8.30	9.10	0.61	2.69	3.22	3.09	B	1,345
	2.0+2.5+7.1	1.50	1.87	5.31	---	---	3.11	8.68	9.30	0.64	2.95	3.36	2.94	C	1,475

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
5MXS90E	2.0+3.5+3.5	1.73	3.02	3.02	---	---	2.73	7.77	8.47	0.57	2.69	3.13	2.89	C	1,345
	2.0+3.5+4.2	1.65	2.89	3.47	---	---	2.83	8.01	8.48	0.60	2.81	3.13	2.85	C	1,405
	2.0+3.5+5.0	1.58	2.77	3.95	---	---	2.95	8.30	8.66	0.61	2.96	3.16	2.80	D	1,480
	2.0+3.5+6.0	1.50	2.63	4.52	---	---	3.10	8.65	9.29	0.64	2.95	3.36	2.93	C	1,475
	2.0+3.5+7.1	1.43	2.50	5.07	---	---	3.26	9.00	9.31	0.68	3.15	3.36	2.86	C	1,575
	2.0+4.2+4.2	1.58	3.34	3.34	---	---	2.94	8.26	8.49	0.60	3.00	3.13	2.75	D	1,500
	2.0+4.2+5.0	1.53	3.20	3.81	---	---	3.05	8.54	8.84	0.64	3.09	3.29	2.76	D	1,545
	2.0+4.2+6.0	1.46	3.06	4.37	---	---	3.20	8.89	9.30	0.64	3.08	3.36	2.89	C	1,540
	2.0+4.2+7.1	1.36	2.84	4.80	---	---	3.36	9.00	9.32	0.68	3.15	3.36	2.86	C	1,575
	2.0+5.0+5.0	1.46	3.68	3.68	---	---	3.17	8.82	9.02	0.64	3.18	3.32	2.77	D	1,590
	2.0+5.0+6.0	1.39	3.46	4.15	---	---	3.32	9.00	9.47	0.68	2.97	3.39	3.03	B	1,485
	2.0+5.0+7.1	1.28	3.19	4.53	---	---	3.48	9.00	9.49	0.71	2.90	3.39	3.10	B	1,450
	2.0+6.0+6.0	1.28	3.86	3.86	---	---	3.46	9.00	9.93	0.68	2.68	3.46	3.36	A	1,340
	2.0+6.0+7.1	1.19	3.58	4.23	---	---	3.63	9.00	10.40	0.71	2.61	4.00	3.45	A	1,305
	2.5+2.5+2.5	2.41	2.41	2.41	---	---	2.51	7.23	7.64	0.54	2.34	2.57	3.09	B	1,170
	2.5+2.5+3.5	2.23	2.23	3.13	---	---	2.66	7.59	8.25	0.57	2.57	3.00	2.95	C	1,285
	2.5+2.5+4.2	2.13	2.13	3.58	---	---	2.76	7.84	8.47	0.57	2.69	3.13	2.91	C	1,345
	2.5+2.5+5.0	2.03	2.03	4.06	---	---	2.88	8.12	8.65	0.61	2.83	3.15	2.87	C	1,415
	2.5+2.5+6.0	1.93	1.93	4.61	---	---	3.02	8.47	9.10	0.61	2.82	3.22	3.00	C	1,410
	2.5+2.5+7.1	1.83	1.83	5.20	---	---	3.19	8.86	9.30	0.64	3.08	3.36	2.88	C	1,540
	2.5+3.5+3.5	2.08	2.93	2.93	---	---	2.80	7.94	8.47	0.60	2.75	3.13	2.89	C	1,375
	2.5+3.5+4.2	2.01	2.81	3.37	---	---	2.91	8.19	8.48	0.60	2.94	3.13	2.79	D	1,470
	2.5+3.5+5.0	1.93	2.70	3.84	---	---	3.02	8.47	8.66	0.64	3.02	3.16	2.80	D	1,510
	2.5+3.5+6.0	1.84	2.57	4.41	---	---	3.17	8.82	9.29	0.64	3.01	3.36	2.93	C	1,505
	2.5+3.5+7.1	1.72	2.40	4.88	---	---	3.33	9.00	9.31	0.68	3.15	3.36	2.86	C	1,575
	2.5+4.2+4.2	1.94	3.25	3.25	---	---	3.01	8.44	8.44	0.64	3.13	3.13	2.70	D	1,565
	2.5+4.2+5.0	1.86	3.13	3.73	---	---	3.13	8.72	8.84	0.64	3.22	3.29	2.71	D	1,610
	2.5+4.2+6.0	1.77	2.98	4.25	---	---	3.27	9.00	9.30	0.68	3.15	3.36	2.86	C	1,575
	2.5+4.2+7.1	1.63	2.74	4.63	---	---	3.44	9.00	9.32	0.71	3.15	3.36	2.86	C	1,575
	2.5+5.0+5.0	1.80	3.60	3.60	---	---	3.24	9.00	9.02	0.67	3.32	3.37	2.71	D	1,660
	2.5+5.0+6.0	1.67	3.33	4.00	---	---	3.39	9.00	9.47	0.68	3.04	3.39	2.96	C	1,520
	2.5+5.0+7.1	1.54	3.08	4.38	---	---	3.55	9.00	9.49	0.71	2.97	3.39	3.03	B	1,485
	2.5+6.0+6.0	1.56	3.72	3.72	---	---	3.54	9.00	9.93	0.71	2.75	3.46	3.27	A	1,375
	2.5+6.0+7.1	1.44	3.46	4.10	---	---	3.70	9.00	10.40	0.71	2.68	4.00	3.36	A	1,340
	3.5+3.5+3.5	2.77	2.77	2.77	---	---	2.95	8.31	8.60	0.64	3.07	3.26	2.71	D	1,535
	3.5+3.5+4.2	2.67	2.67	3.20	---	---	3.05	8.54	8.66	0.64	3.20	3.26	2.67	D	1,600
	3.5+3.5+5.0	2.57	2.57	3.68	---	---	3.17	8.82	8.84	0.67	3.29	3.32	2.68	D	1,645
	3.5+3.5+6.0	2.42	2.42	4.16	---	---	3.32	9.00	9.30	0.68	3.08	3.36	2.92	C	1,540
	3.5+3.5+7.1	2.23	2.23	4.54	---	---	3.48	9.00	9.32	0.71	3.02	3.36	2.98	C	1,510
	3.5+4.2+4.2	2.59	3.10	3.10	---	---	3.16	8.79	8.79	0.67	3.26	3.26	2.70	D	1,630
	3.5+4.2+5.0	2.48	2.98	3.54	---	---	3.27	9.00	9.00	0.67	3.29	3.29	2.74	D	1,645
	3.5+4.2+6.0	2.30	2.76	3.94	---	---	3.42	9.00	9.31	0.71	3.15	3.36	2.86	C	1,575
	3.5+4.2+7.1	2.13	2.55	4.32	---	---	3.58	9.00	9.81	0.75	3.15	3.95	2.86	C	1,575
	3.5+5.0+5.0	2.34	3.33	3.33	---	---	3.39	9.00	9.02	0.71	3.32	3.35	2.71	D	1,660
	3.5+5.0+6.0	2.18	3.10	3.72	---	---	3.54	9.00	9.48	0.71	3.04	3.39	2.96	C	1,520
	3.5+5.0+7.1	2.02	2.88	4.10	---	---	3.70	9.00	9.94	0.75	2.97	3.91	3.03	B	1,485
	3.5+6.0+6.0	2.04	3.48	3.48	---	---	3.69	9.00	10.38	0.71	2.75	4.00	3.27	A	1,375
	4.2+4.2+4.2	3.00	3.00	3.00	---	---	3.26	9.00	9.00	0.71	3.27	3.27	2.75	D	1,635

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
5MXS90E	4.2+4.2+5.0	2.82	2.82	3.36	---	---	3.38	9.00	9.08	0.71	3.29	3.29	2.74	D	1,645
	4.2+4.2+6.0	2.63	2.63	3.74	---	---	3.52	9.00	9.32	0.71	3.15	3.36	2.86	C	1,575
	4.2+4.2+7.1	2.44	2.44	4.12	---	---	3.69	9.00	9.82	0.75	3.16	3.95	2.85	C	1,580
	4.2+5.0+5.0	2.66	3.17	3.17	---	---	3.49	9.00	9.03	0.74	3.32	3.32	2.71	D	1,660
	4.2+5.0+6.0	2.49	2.96	3.55	---	---	3.64	9.00	9.98	0.75	3.04	3.98	2.96	C	1,520
	5.0+5.0+5.0	3.00	3.00	3.00	---	---	3.61	9.00	9.78	0.75	3.21	4.07	2.80	D	1,605
	2.0+2.0+2.0+2.0	1.86	1.86	1.86	1.86	---	2.58	7.44	7.96	0.54	2.04	2.32	3.65	A	1,020
	2.0+2.0+2.0+2.5	1.79	1.79	1.79	2.22	---	2.66	7.59	8.25	0.54	2.09	2.50	3.63	A	1,045
	2.0+2.0+2.0+3.5	1.67	1.67	1.67	2.93	---	2.80	7.94	8.78	0.58	2.32	2.82	3.42	A	1,160
	2.0+2.0+2.0+4.2	1.61	1.61	1.61	3.36	---	2.91	8.19	9.12	0.61	2.63	3.22	3.11	B	1,315
	2.0+2.0+2.0+5.0	1.54	1.54	1.54	3.85	---	3.02	8.47	9.30	0.61	2.71	3.25	3.13	B	1,355
	2.0+2.0+2.0+6.0	1.47	1.47	1.47	4.41	---	3.17	8.82	9.81	0.65	2.68	3.38	3.29	A	1,340
	2.0+2.0+2.0+7.1	1.37	1.37	1.37	4.89	---	3.33	9.00	9.96	0.65	2.82	3.46	3.19	B	1,410
	2.0+2.0+2.5+2.5	1.73	1.73	2.16	2.16	---	2.73	7.78	8.53	0.58	2.21	2.69	3.52	A	1,105
	2.0+2.0+2.5+3.5	1.62	1.62	2.03	2.85	---	2.88	8.12	9.03	0.58	2.56	3.22	3.17	B	1,280
	2.0+2.0+2.5+4.2	1.56	1.56	1.96	3.29	---	2.98	8.37	9.13	0.61	2.69	3.22	3.11	B	1,345
	2.0+2.0+2.5+5.0	1.50	1.50	1.88	3.77	---	3.10	8.65	9.49	0.64	2.84	3.39	3.05	B	1,420
	2.0+2.0+2.5+6.0	1.44	1.44	1.80	4.32	---	3.24	9.00	9.94	0.65	2.81	3.46	3.20	B	1,405
	2.0+2.0+2.5+7.1	1.32	1.32	1.65	4.71	---	3.41	9.00	9.96	0.68	2.82	3.46	3.19	B	1,410
	2.0+2.0+3.5+3.5	1.54	1.54	2.70	2.70	---	3.02	8.48	9.13	0.61	2.82	3.22	3.01	B	1,410
	2.0+2.0+3.5+4.2	1.49	1.49	2.61	3.13	---	3.13	8.72	9.32	0.64	2.95	3.36	2.96	C	1,475
	2.0+2.0+3.5+5.0	1.44	1.44	2.52	3.60	---	3.24	9.00	9.49	0.64	3.04	3.39	2.96	C	1,520
	2.0+2.0+3.5+6.0	1.33	1.33	2.34	4.00	---	3.39	9.00	9.95	0.68	2.75	3.46	3.27	A	1,375
	2.0+2.0+3.5+7.1	1.23	1.23	2.16	4.38	---	3.55	9.00	9.97	0.71	2.68	3.46	3.36	A	1,340
	2.0+2.0+4.2+4.2	1.45	1.45	3.03	3.03	---	3.23	8.96	9.33	0.64	3.09	3.36	2.90	C	1,545
	2.0+2.0+4.2+5.0	1.36	1.36	2.87	3.41	---	3.35	9.00	9.50	0.68	3.04	3.39	2.96	C	1,520
	2.0+2.0+4.2+6.0	1.27	1.27	2.66	3.80	---	3.49	9.00	9.96	0.68	2.81	3.46	3.20	B	1,405
	2.0+2.0+4.2+7.1	1.18	1.18	2.47	4.17	---	3.66	9.00	10.47	0.71	2.75	4.01	3.27	A	1,375
	2.0+2.0+5.0+5.0	1.29	1.29	3.21	3.21	---	3.46	9.00	9.68	0.68	2.92	3.42	3.08	B	1,460
	2.0+2.0+5.0+6.0	1.20	1.20	3.00	3.60	---	3.61	9.00	10.45	0.71	2.70	3.88	3.33	A	1,350
	2.0+2.5+2.5+2.5	1.67	2.09	2.09	2.09	---	2.80	7.94	8.78	0.58	2.32	2.82	3.42	A	1,160
	2.0+2.5+2.5+3.5	1.57	1.98	1.98	2.77	---	2.95	8.30	9.12	0.61	2.69	3.22	3.09	B	1,345
	2.0+2.5+2.5+4.2	1.53	1.91	1.91	3.19	---	3.05	8.54	9.31	0.61	2.82	3.36	3.03	B	1,410
	2.0+2.5+2.5+5.0	1.46	1.84	1.84	3.68	---	3.17	8.82	9.49	0.64	2.90	3.39	3.04	B	1,450
	2.0+2.5+2.5+6.0	1.39	1.73	1.73	4.15	---	3.32	9.00	9.94	0.65	2.75	3.46	3.27	A	1,375
	2.0+2.5+2.5+7.1	1.27	1.60	1.60	4.53	---	3.48	9.00	9.96	0.68	2.68	3.46	3.36	A	1,340
	2.0+2.5+3.5+3.5	1.50	1.89	2.63	2.63	---	3.10	8.65	9.31	0.64	2.88	3.36	3.00	C	1,440
	2.0+2.5+3.5+4.2	1.46	1.82	2.55	3.06	---	3.20	8.89	9.32	0.64	3.08	3.36	2.89	C	1,540
	2.0+2.5+3.5+5.0	1.39	1.73	2.42	3.46	---	3.32	9.00	9.49	0.68	3.04	3.39	2.96	C	1,520
	2.0+2.5+3.5+6.0	1.28	1.61	2.25	3.86	---	3.46	9.00	9.95	0.68	2.75	3.46	3.27	A	1,375
	2.0+2.5+3.5+7.1	1.19	1.49	2.09	4.23	---	3.63	9.00	10.42	0.71	2.68	4.01	3.36	A	1,340
	2.0+2.5+4.2+4.2	1.40	1.74	2.93	2.93	---	3.30	9.00	9.33	0.68	3.15	3.36	2.86	C	1,575
	2.0+2.5+4.2+5.0	1.32	1.64	2.76	3.28	---	3.42	9.00	9.50	0.68	3.04	3.39	2.96	C	1,520
	2.0+2.5+4.2+6.0	1.23	1.53	2.57	3.67	---	3.57	9.00	10.41	0.71	2.81	4.00	3.20	B	1,405
	2.0+2.5+5.0+5.0	1.25	1.55	3.10	3.10	---	3.54	9.00	9.68	0.71	2.92	3.42	3.08	B	1,460
	2.0+2.5+5.0+6.0	1.17	1.45	2.90	3.48	---	3.69	9.00	10.49	0.71	2.70	3.96	3.33	A	1,350
	2.0+3.5+3.5+3.5	1.44	2.52	2.52	2.52	---	3.24	9.00	9.32	0.68	3.15	3.36	2.86	C	1,575
	2.0+3.5+3.5+4.2	1.36	2.39	2.39	2.86	---	3.35	9.00	9.33	0.68	3.15	3.36	2.86	C	1,575

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
5MXS90E	2.0+3.5+3.5+5.0	1.29	2.25	2.25	3.21	---	3.46	9.00	9.50	0.71	3.04	3.39	2.96	C	1,520
	2.0+3.5+3.5+6.0	1.20	2.10	2.10	3.60	---	3.61	9.00	10.40	0.71	2.75	4.01	3.27	A	1,375
	2.0+3.5+4.2+4.2	1.29	2.27	2.72	2.72	---	3.45	9.00	9.33	0.71	3.16	3.37	2.85	C	1,580
	2.0+3.5+4.2+5.0	1.23	2.14	2.57	3.06	---	3.57	9.00	10.00	0.71	3.04	3.99	2.96	C	1,520
	2.0+3.5+5.0+5.0	1.17	2.03	2.90	2.90	---	3.69	9.00	10.26	0.75	2.92	4.19	3.08	B	1,460
	2.0+4.2+4.2+4.2	1.23	2.59	2.59	2.59	---	3.55	9.00	9.34	0.71	3.16	3.37	2.85	C	1,580
	2.0+4.2+4.2+5.0	1.18	2.45	2.45	2.92	---	3.67	9.00	10.01	0.75	3.04	3.99	2.96	C	1,520
	2.5+2.5+2.5+2.5	2.03	2.03	2.03	2.03	---	2.88	8.12	9.03	0.58	2.56	3.22	3.17	B	1,280
	2.5+2.5+2.5+3.5	1.93	1.93	1.93	2.68	---	3.02	8.47	9.12	0.61	2.82	3.22	3.00	C	1,410
	2.5+2.5+2.5+4.2	1.87	1.86	1.86	3.13	---	3.13	8.72	9.31	0.64	2.95	3.36	2.96	C	1,475
	2.5+2.5+2.5+5.0	1.80	1.80	1.80	3.60	---	3.24	9.00	9.49	0.64	3.04	3.39	2.96	C	1,520
	2.5+2.5+2.5+6.0	1.67	1.67	1.67	3.99	---	3.39	9.00	9.94	0.68	2.75	3.46	3.27	A	1,375
	2.5+2.5+2.5+7.1	1.54	1.54	1.54	4.38	---	3.55	9.00	9.96	0.71	2.68	3.46	3.36	A	1,340
	2.5+2.5+3.5+3.5	1.84	1.84	2.57	2.57	---	3.17	8.82	9.31	0.64	3.02	3.36	2.92	C	1,510
	2.5+2.5+3.5+4.2	1.77	1.77	2.48	2.98	---	3.27	9.00	9.32	0.68	3.15	3.36	2.86	C	1,575
	2.5+2.5+3.5+5.0	1.67	1.67	2.33	3.33	---	3.39	9.00	9.49	0.68	3.04	3.39	2.96	C	1,520
	2.5+2.5+3.5+6.0	1.55	1.55	2.18	3.72	---	3.54	9.00	9.95	0.71	2.75	3.46	3.27	A	1,375
	2.5+2.5+3.5+7.1	1.44	1.44	2.02	4.10	---	3.70	9.00	10.42	0.71	2.68	4.01	3.36	A	1,340
	2.5+2.5+4.2+4.2	1.68	1.68	2.82	2.82	---	3.38	9.00	9.33	0.68	3.15	3.36	2.86	C	1,575
	2.5+2.5+4.2+5.0	1.58	1.58	2.67	3.17	---	3.49	9.00	9.50	0.71	3.04	3.39	2.96	C	1,520
	2.5+2.5+4.2+6.0	1.48	1.48	2.49	3.55	---	3.64	9.00	10.47	0.71	2.81	4.00	3.20	B	1,405
	2.5+2.5+5.0+5.0	1.50	1.50	3.00	3.00	---	3.61	9.00	10.25	0.71	2.92	4.18	3.08	B	1,460
	2.5+3.5+3.5+3.5	1.74	2.42	2.42	2.42	---	3.32	9.00	9.34	0.68	3.15	3.36	2.86	C	1,575
	2.5+3.5+3.5+4.2	1.64	2.30	2.30	2.76	---	3.42	9.00	9.33	0.71	3.15	3.36	2.86	C	1,575
	2.5+3.5+3.5+5.0	1.56	2.17	2.17	3.10	---	3.54	9.00	9.50	0.71	3.04	3.39	2.96	C	1,520
	2.5+3.5+3.5+6.0	1.46	2.03	2.03	3.48	---	3.69	9.00	10.40	0.71	2.75	4.01	3.27	A	1,375
	2.5+3.5+4.2+4.2	1.56	2.18	2.63	2.63	---	3.52	9.00	9.33	0.71	3.16	3.37	2.85	C	1,580
	2.5+3.5+4.2+5.0	1.48	2.07	2.49	2.96	---	3.64	9.00	10.00	0.75	3.04	3.99	2.96	C	1,520
	2.5+4.2+4.2+4.2	1.50	2.50	2.50	2.50	---	3.63	9.00	9.83	0.75	3.16	3.95	2.85	C	1,580
	3.5+3.5+3.5+3.5	2.25	2.25	2.25	2.25	---	3.46	9.00	9.32	0.71	3.15	3.36	2.86	C	1,575
	3.5+3.5+3.5+4.2	2.14	2.14	2.14	2.58	---	3.57	9.00	9.82	0.75	3.16	3.95	2.85	C	1,580
	3.5+3.5+3.5+5.0	2.03	2.03	2.03	2.91	---	3.69	9.00	9.95	0.75	3.04	3.91	2.96	C	1,520
	3.5+3.5+4.2+4.2	2.05	2.05	2.45	2.45	---	3.67	9.00	9.83	0.75	3.16	3.95	2.85	C	1,580
	2.0+2.0+2.0+2.0+2.0	1.63	1.63	1.63	1.63	1.63	2.88	8.15	9.03	0.58	2.30	2.81	3.54	A	1,150
	2.0+2.0+2.0+2.0+2.5	1.58	1.58	1.58	1.58	1.98	2.95	8.30	9.25	0.58	2.36	2.95	3.52	A	1,180
	2.0+2.0+2.0+2.0+3.5	1.50	1.50	1.50	1.50	2.65	3.10	8.65	9.64	0.61	2.55	3.24	3.39	A	1,275
	2.0+2.0+2.0+2.0+4.2	1.46	1.46	1.46	1.46	3.05	3.20	8.89	9.87	0.65	2.68	3.39	3.32	A	1,340
	2.0+2.0+2.0+2.0+5.0	1.38	1.38	1.38	1.38	3.48	3.32	9.00	10.09	0.65	2.70	3.49	3.33	A	1,350
	2.0+2.0+2.0+2.0+6.0	1.29	1.29	1.29	1.29	3.84	3.46	9.00	10.31	0.65	2.50	3.40	3.60	A	1,250
	2.0+2.0+2.0+2.0+7.1	1.19	1.19	1.19	1.19	4.24	3.63	9.00	10.46	0.68	2.47	3.48	3.64	A	1,235
	2.0+2.0+2.0+2.5+2.5	1.54	1.54	1.54	1.92	1.92	3.02	8.46	9.45	0.61	2.49	3.09	3.40	A	1,245
	2.0+2.0+2.0+2.5+3.5	1.47	1.47	1.47	1.84	2.57	3.17	8.82	9.81	0.61	2.68	3.39	3.29	A	1,340
	2.0+2.0+2.0+2.5+4.2	1.42	1.42	1.42	1.77	2.97	3.27	9.00	9.97	0.65	2.82	3.46	3.19	B	1,410
	2.0+2.0+2.0+2.5+5.0	1.33	1.33	1.33	1.67	3.34	3.39	9.00	10.15	0.65	2.70	3.49	3.33	A	1,350
	2.0+2.0+2.0+2.5+6.0	1.24	1.24	1.24	1.55	3.73	3.54	9.00	10.38	0.68	2.50	3.40	3.60	A	1,250
	2.0+2.0+2.0+2.5+7.1	1.15	1.15	1.15	1.44	4.11	3.70	9.00	10.50	0.71	2.47	3.48	3.64	A	1,235
	2.0+2.0+2.0+3.5+3.5	1.54	1.54	1.54	1.92	1.92	3.02	8.46	9.45	0.61	2.49	3.09	3.40	A	1,245
	2.0+2.0+2.0+3.5+4.2	1.31	1.31	1.31	2.31	2.76	3.42	9.00	9.98	0.68	2.75	3.46	3.27	A	1,375

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			EER	ENERGY LABEL	AEC (kWh)
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.			
5MXS90E	20+20+20+35+50	1.24	1.24	1.24	2.17	3.11	3.54	9.00	10.16	0.68	2.74	3.49	3.28	A	1,370
	20+20+20+35+60	1.16	1.16	1.16	2.03	3.49	3.69	9.00	10.49	0.71	2.46	3.48	3.66	A	1,230
	20+20+20+42+42	1.24	1.24	1.24	2.64	2.64	3.52	9.00	9.99	0.68	2.75	3.47	3.27	A	1,375
	20+20+20+42+50	1.18	1.18	1.18	2.50	2.96	3.64	9.00	10.47	0.71	2.70	3.89	3.33	A	1,350
	20+20+25+25+25	1.51	1.51	1.88	1.88	1.88	3.10	8.66	9.64	0.61	2.55	3.24	3.40	A	1,275
	20+20+25+25+35	1.44	1.44	1.80	1.80	2.52	3.24	9.00	9.96	0.65	2.82	3.46	3.19	B	1,410
	20+20+25+25+42	1.37	1.37	1.70	1.70	2.86	3.35	9.00	9.66	0.65	2.86	3.46	3.15	B	1,430
	20+20+25+25+50	1.29	1.29	1.61	1.61	3.20	3.46	9.00	10.15	0.68	2.70	3.49	3.33	A	1,350
	20+20+25+25+60	1.20	1.20	1.50	1.50	3.60	3.61	9.00	10.45	0.68	2.46	3.48	3.66	A	1,230
	20+20+25+35+35	1.33	1.33	1.68	2.33	2.33	3.39	9.00	9.97	0.68	2.82	3.46	3.19	B	1,410
	20+20+25+35+42	1.27	1.27	1.58	2.22	2.66	3.49	9.00	9.66	0.68	2.79	3.46	3.23	A	1,395
	20+20+25+35+50	1.20	1.20	1.50	2.10	3.00	3.61	9.00	10.45	0.71	2.70	3.80	3.33	A	1,350
	20+20+25+42+42	1.21	1.21	1.50	2.54	2.54	3.60	9.00	10.44	0.71	2.75	4.01	3.27	A	1,375
	20+20+35+35+35	1.23	1.23	2.18	2.18	2.18	3.54	9.00	9.98	0.68	2.82	3.46	3.19	B	1,410
	20+20+35+35+42	1.18	1.18	2.07	2.07	2.50	3.64	9.00	10.47	0.71	2.75	4.01	3.27	A	1,375
	20+25+25+25+25	1.46	1.84	1.84	1.84	1.84	3.17	8.82	9.81	0.61	2.68	3.39	3.29	A	1,340
	20+25+25+25+35	1.39	1.73	1.73	1.73	2.42	3.32	9.00	9.96	0.65	2.82	3.46	3.19	B	1,410
	20+25+25+25+42	1.32	1.64	1.64	1.64	2.76	3.42	9.00	9.97	0.68	2.82	3.46	3.19	B	1,410
	20+25+25+25+50	1.25	1.55	1.55	1.55	3.10	3.54	9.00	10.15	0.68	2.70	3.49	3.33	A	1,350
	20+25+25+25+60	1.17	1.45	1.45	1.45	3.48	3.69	9.00	10.49	0.71	2.46	3.48	3.66	A	1,230
	20+25+25+35+35	1.28	1.61	1.61	2.25	2.25	3.46	9.00	9.97	0.68	2.82	3.46	3.19	B	1,410
	20+25+25+35+42	1.23	1.53	1.53	2.14	2.57	3.57	9.00	10.41	0.71	2.75	4.01	3.27	A	1,375
	20+25+25+35+50	1.17	1.45	1.45	2.03	2.90	3.69	9.00	10.49	0.71	2.70	3.88	3.33	A	1,350
	20+25+25+42+42	1.18	1.46	1.46	2.45	2.45	3.64	9.00	10.47	0.71	2.75	4.01	3.27	A	1,375
	20+25+35+35+35	1.20	1.50	2.10	2.10	2.10	3.61	9.00	10.42	0.71	2.82	4.01	3.19	B	1,410
	25+25+25+25+25	1.80	1.80	1.80	1.80	1.80	3.24	9.00	9.95	0.65	2.81	3.46	3.20	B	1,405
	25+25+25+25+35	1.67	1.67	1.67	1.67	2.32	3.39	9.00	9.96	0.68	2.75	3.46	3.27	A	1,375
	25+25+25+25+42	1.58	1.58	1.58	1.58	2.68	3.49	9.00	9.97	0.68	2.82	3.46	3.19	B	1,410
	25+25+25+25+50	1.50	1.50	1.50	1.50	3.00	3.61	9.00	10.45	0.71	2.70	3.88	3.33	A	1,350
	25+25+25+35+35	1.56	1.56	1.56	2.16	2.16	3.54	9.00	9.97	0.68	2.82	3.46	3.19	B	1,410
	25+25+25+35+42	1.48	1.48	1.48	2.07	2.49	3.64	9.00	10.47	0.71	2.75	4.01	3.27	A	1,375
	25+25+35+35+35	1.44	1.44	2.04	2.04	2.04	3.69	9.00	10.42	0.71	2.75	4.01	3.27	A	1,375

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
5MXS90E	2.0	2.44	---	---	---	---	1.36	2.44	4.20	0.35	0.68	1.38	3.59	B
	2.5	3.05	---	---	---	---	1.42	3.05	4.65	0.37	0.90	1.48	3.39	C
	3.5	4.27	---	---	---	---	1.54	4.27	5.11	0.39	1.43	1.95	2.99	D
	4.2	5.12	---	---	---	---	1.75	5.12	5.16	0.60	1.73	1.98	2.96	D
	5.0	6.09	---	---	---	---	1.98	6.09	7.42	0.48	1.91	2.48	3.19	D
	6.0	7.31	---	---	---	---	2.28	7.31	8.53	0.60	2.30	2.89	3.18	D
	7.1	8.65	---	---	---	---	2.60	8.65	9.02	0.67	2.87	3.04	3.01	D
	2.0+2.0	2.44	2.44	---	---	---	1.69	4.88	6.85	0.39	1.21	1.87	4.03	A
	2.0+2.5	2.44	3.05	---	---	---	1.84	5.49	7.25	0.41	1.40	2.05	3.92	A
	2.0+3.5	2.44	4.26	---	---	---	2.13	6.70	7.74	0.50	1.99	2.44	3.37	C
	2.0+4.2	2.44	5.11	---	---	---	2.34	7.55	8.53	0.62	2.33	2.81	3.24	C
	2.0+5.0	2.44	6.09	---	---	---	2.57	8.53	9.09	0.63	2.45	2.66	3.48	B
	2.0+6.0	2.32	6.95	---	---	---	2.86	9.27	9.88	0.65	2.63	2.96	3.52	B
	2.0+7.1	2.20	7.83	---	---	---	3.17	10.03	10.37	0.69	3.01	3.18	3.33	C
	2.5+2.5	3.04	3.04	---	---	---	1.98	6.08	7.46	0.47	1.76	2.35	3.45	B
	2.5+3.5	3.05	4.26	---	---	---	2.28	7.31	8.53	0.60	2.34	2.94	3.12	D
	2.5+4.2	3.04	5.12	---	---	---	2.49	8.16	9.02	0.65	2.76	3.18	2.96	D
	2.5+5.0	2.98	5.95	---	---	---	2.72	8.93	9.70	0.66	2.61	2.99	3.42	B
	2.5+6.0	2.83	6.79	---	---	---	3.00	9.62	9.88	0.67	2.86	3.03	3.36	C
	2.5+7.1	2.70	7.68	---	---	---	3.31	10.38	10.77	0.72	3.22	3.46	3.22	C
	3.5+3.5	4.27	4.27	---	---	---	2.57	8.54	9.02	0.65	2.91	3.15	2.93	D
	3.5+4.2	4.12	4.94	---	---	---	2.77	9.06	9.60	0.70	3.21	3.53	2.82	D
	3.5+5.0	3.96	5.66	---	---	---	3.00	9.62	9.70	0.71	2.93	2.98	3.28	C
	3.5+6.0	3.80	6.51	---	---	---	3.28	10.31	10.75	0.72	3.19	3.43	3.23	C
	3.5+7.1	3.43	6.97	---	---	---	3.59	10.40	10.78	0.77	3.11	3.35	3.34	C
	4.2+4.2	4.77	4.77	---	---	---	2.97	9.54	9.61	0.72	3.47	3.53	2.75	E
	4.2+5.0	4.61	5.49	---	---	---	3.20	10.10	10.12	0.73	3.22	3.28	3.14	D
	4.2+6.0	4.28	6.12	---	---	---	3.48	10.40	10.76	0.75	3.24	3.42	3.21	C
	4.2+7.1	3.87	6.53	---	---	---	3.79	10.40	10.78	0.79	3.11	3.34	3.34	C
	5.0+5.0	5.20	5.20	---	---	---	3.42	10.40	10.64	0.76	3.28	3.40	3.17	D
	5.0+6.0	4.73	5.67	---	---	---	3.70	10.40	10.88	0.75	3.08	3.31	3.38	C
	5.0+7.1	4.30	6.10	---	---	---	4.01	10.40	10.51	0.83	3.01	3.06	3.46	B
	6.0+6.0	5.20	5.20	---	---	---	3.99	10.40	10.71	0.76	2.88	3.04	3.61	A
	6.0+7.1	4.76	5.64	---	---	---	4.30	10.40	10.74	0.84	2.86	3.03	3.64	A
	7.1+7.1	5.20	5.20	---	---	---	4.61	10.40	10.77	0.89	2.85	3.02	3.65	A
	2.0+2.0+2.0	2.44	2.44	2.44	---	---	2.28	7.32	8.67	0.53	1.84	2.32	3.98	A
	2.0+2.0+2.5	2.44	2.44	3.04	---	---	2.43	7.92	9.21	0.55	2.05	2.58	3.86	A
	2.0+2.0+3.5	2.38	2.38	4.17	---	---	2.72	8.93	9.89	0.60	2.42	2.89	3.69	A
	2.0+2.0+4.2	2.30	2.30	4.81	---	---	2.91	9.41	9.89	0.64	2.62	2.89	3.59	B
	2.0+2.0+5.0	2.21	2.21	5.54	---	---	3.14	9.96	10.48	0.65	2.84	3.07	3.51	B
	2.0+2.0+6.0	2.08	2.08	6.24	---	---	3.42	10.40	10.71	0.66	2.87	3.04	3.62	A
	2.0+2.0+7.1	1.87	1.87	6.66	---	---	3.73	10.40	10.75	0.70	2.86	3.03	3.64	A
	2.0+2.5+2.5	2.43	3.05	3.05	---	---	2.57	8.53	9.21	0.57	2.28	2.58	3.74	A
	2.0+2.5+3.5	2.31	2.90	4.06	---	---	2.86	9.27	9.89	0.62	2.57	2.89	3.61	A
	2.0+2.5+4.2	2.24	2.80	4.71	---	---	3.06	9.75	10.36	0.67	2.78	3.12	3.51	B
	2.0+2.5+5.0	2.17	2.71	5.43	---	---	3.28	10.31	10.48	0.67	3.02	3.07	3.41	B
	2.0+2.5+6.0	1.98	2.48	5.94	---	---	3.56	10.40	10.71	0.68	2.87	3.04	3.62	A
	2.0+2.5+7.1	1.79	2.24	6.37	---	---	3.87	10.40	10.75	0.73	2.86	3.03	3.64	A

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
5MXS90E	2.0+3.5+3.5	2.22	3.87	3.87	---	---	3.14	9.96	10.36	0.69	2.89	3.12	3.45	B
	2.0+3.5+4.2	2.14	3.75	4.51	---	---	3.34	10.40	10.55	0.72	3.18	3.23	3.27	C
	2.0+3.5+5.0	1.98	3.47	4.95	---	---	3.56	10.40	10.90	0.72	3.07	3.30	3.39	C
	2.0+3.5+6.0	1.80	3.17	5.43	---	---	3.84	10.40	10.72	0.73	2.87	3.04	3.62	A
	2.0+3.5+7.1	1.65	2.89	5.86	---	---	4.15	10.40	10.75	0.81	2.86	3.03	3.64	A
	2.0+4.2+4.2	2.00	4.20	4.20	---	---	3.53	10.40	10.56	0.74	3.12	3.23	3.33	C
	2.0+4.2+5.0	1.86	3.90	4.64	---	---	3.76	10.40	10.91	0.77	3.07	3.30	3.39	C
	2.0+4.2+6.0	1.70	3.58	5.12	---	---	4.04	10.40	10.73	0.78	2.87	3.04	3.62	A
	2.0+4.2+7.1	1.56	3.28	5.56	---	---	4.35	10.40	10.76	0.83	2.86	3.02	3.64	A
	2.0+5.0+5.0	1.74	4.33	4.33	---	---	3.99	10.40	10.63	0.80	2.96	3.08	3.51	B
	2.0+5.0+6.0	1.60	4.00	4.80	---	---	4.27	10.40	10.86	0.79	2.77	2.99	3.75	A
	2.0+5.0+7.1	1.47	3.69	5.24	---	---	4.58	10.40	10.89	0.86	2.75	2.97	3.78	A
	2.0+6.0+6.0	1.48	4.46	4.46	---	---	4.55	10.40	11.09	0.82	2.62	2.90	3.97	A
	2.0+6.0+7.1	1.38	4.13	4.89	---	---	4.86	10.40	11.12	0.87	2.61	2.89	3.98	A
	2.5+2.5+2.5	2.98	2.98	2.98	---	---	2.72	8.94	9.88	0.60	2.42	2.89	3.69	A
	2.5+2.5+3.5	2.83	2.83	3.96	---	---	3.00	9.62	9.89	0.67	2.73	2.89	3.52	B
	2.5+2.5+4.2	2.74	2.74	4.62	---	---	3.20	10.10	10.36	0.69	3.01	3.12	3.36	C
	2.5+2.5+5.0	2.60	2.60	5.20	---	---	3.42	10.40	10.89	0.70	3.07	3.30	3.39	C
	2.5+2.5+6.0	2.36	2.36	5.68	---	---	3.70	10.40	10.71	0.71	2.87	3.04	3.62	A
	2.5+2.5+7.1	2.15	2.15	6.10	---	---	4.01	10.40	10.75	0.78	2.86	3.03	3.64	A
	2.5+3.5+3.5	2.71	3.80	3.80	---	---	3.28	10.31	10.76	0.72	3.12	3.35	3.30	C
	2.5+3.5+4.2	2.55	3.57	4.28	---	---	3.48	10.40	10.77	0.74	3.18	3.35	3.27	C
	2.5+3.5+5.0	2.36	3.31	4.73	---	---	3.70	10.40	10.90	0.75	3.07	3.30	3.39	C
	2.5+3.5+6.0	2.17	3.03	5.20	---	---	3.99	10.40	10.72	0.76	2.87	3.04	3.62	A
	2.5+3.5+7.1	1.98	2.78	5.64	---	---	4.30	10.40	10.75	0.83	2.86	3.03	3.64	A
	2.5+4.2+4.2	2.38	4.01	4.01	---	---	3.68	10.40	10.77	0.77	3.12	3.35	3.33	C
	2.5+4.2+5.0	2.23	3.73	4.44	---	---	3.90	10.40	10.91	0.80	3.07	3.30	3.39	C
	2.5+4.2+6.0	2.05	3.44	4.91	---	---	4.18	10.40	10.73	0.81	2.87	3.04	3.62	A
	2.5+4.2+7.1	1.88	3.17	5.35	---	---	4.49	10.40	10.76	0.86	2.86	3.02	3.64	A
	2.5+5.0+5.0	2.08	4.16	4.16	---	---	4.13	10.40	10.63	0.83	2.96	3.08	3.51	B
	2.5+5.0+6.0	1.93	3.85	4.62	---	---	4.41	10.40	10.86	0.84	2.77	2.99	3.75	A
	2.5+5.0+7.1	1.78	3.56	5.06	---	---	4.72	10.40	10.89	0.89	2.75	2.97	3.78	A
	2.5+6.0+6.0	1.80	4.30	4.30	---	---	4.69	10.40	11.09	0.85	2.62	2.90	3.97	A
	2.5+6.0+7.1	1.67	4.00	4.73	---	---	5.00	10.40	11.12	0.90	2.61	2.89	3.98	A
	3.5+3.5+3.5	3.46	3.46	3.46	---	---	3.56	10.38	10.76	0.77	3.12	3.35	3.33	C
	3.5+3.5+4.2	3.25	3.25	3.90	---	---	3.76	10.40	10.77	0.80	3.12	3.35	3.33	C
	3.5+3.5+5.0	3.03	3.03	4.34	---	---	3.99	10.40	10.91	0.83	3.07	3.30	3.39	C
	3.5+3.5+6.0	2.80	2.80	4.80	---	---	4.27	10.40	10.73	0.84	2.87	3.04	3.62	A
	3.5+3.5+7.1	2.58	2.58	5.24	---	---	4.58	10.40	10.76	0.89	2.86	3.02	3.64	A
	3.5+4.2+4.2	3.06	3.67	3.67	---	---	3.96	10.40	10.78	0.85	3.11	3.34	3.34	C
	3.5+4.2+5.0	2.87	3.44	4.09	---	---	4.18	10.40	10.51	0.85	3.01	3.12	3.46	B
	3.5+4.2+6.0	2.66	3.19	4.55	---	---	4.46	10.40	10.74	0.87	2.87	3.03	3.62	A
	3.5+4.2+7.1	2.46	2.95	4.99	---	---	4.78	10.40	10.77	0.95	2.85	3.02	3.65	A
	3.5+5.0+5.0	2.70	3.85	3.85	---	---	4.41	10.40	10.64	0.89	2.96	3.07	3.51	B
	3.5+5.0+6.0	2.51	3.59	4.30	---	---	4.69	10.40	10.86	0.90	2.76	2.98	3.77	A
	3.5+5.0+7.1	2.34	3.33	4.73	---	---	5.00	10.40	10.90	0.95	2.75	2.97	3.78	A
	3.5+6.0+6.0	2.34	4.03	4.03	---	---	4.97	10.40	11.09	0.91	2.62	2.90	3.97	A
	4.2+4.2+4.2	3.47	3.47	3.47	---	---	4.15	10.40	10.79	0.88	3.11	3.34	3.34	C

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
5MXS90E	4.2+4.2+5.0	3.26	3.26	3.88	---	---	4.38	10.40	10.52	0.91	3.00	3.12	3.47	B
	4.2+4.2+6.0	3.03	3.03	4.34	---	---	4.66	10.40	10.75	0.92	2.86	3.03	3.64	A
	4.2+4.2+7.1	2.82	2.82	4.76	---	---	4.97	10.40	10.78	0.98	2.85	3.02	3.65	A
	4.2+5.0+5.0	3.08	3.66	3.66	---	---	4.61	10.40	10.64	0.91	2.96	3.07	3.51	B
	4.2+5.0+6.0	2.87	3.42	4.11	---	---	4.89	10.40	10.87	0.93	2.76	2.98	3.77	A
	5.0+5.0+5.0	3.46	3.46	3.46	---	---	4.83	10.38	10.77	0.95	2.85	3.02	3.64	A
	2.0+2.0+2.0+2.0	2.32	2.32	2.32	2.32	---	2.86	9.28	10.18	0.57	2.39	2.76	3.88	A
	2.0+2.0+2.0+2.5	2.26	2.26	2.26	2.84	---	3.00	9.62	10.18	0.59	2.49	2.76	3.86	A
	2.0+2.0+2.0+3.5	2.17	2.17	2.17	3.80	---	3.28	10.31	10.73	0.63	2.81	3.04	3.67	A
	2.0+2.0+2.0+4.2	2.04	2.04	2.04	4.28	---	3.48	10.40	10.74	0.66	2.87	3.03	3.62	A
	2.0+2.0+2.0+5.0	1.89	1.89	1.89	4.73	---	3.70	10.40	10.86	0.68	2.76	2.99	3.77	A
	2.0+2.0+2.0+6.0	1.73	1.73	1.73	5.21	---	3.99	10.40	11.09	0.69	2.62	2.90	3.97	A
	2.0+2.0+2.0+7.1	1.59	1.59	1.59	5.63	---	4.30	10.40	11.12	0.74	2.61	2.88	3.98	A
	2.0+2.0+2.5+2.5	2.21	2.21	2.77	2.77	---	3.14	9.96	10.72	0.61	2.65	3.04	3.76	A
	2.0+2.0+2.5+3.5	2.08	2.08	2.60	3.64	---	3.42	10.40	10.73	0.66	2.87	3.04	3.62	A
	2.0+2.0+2.5+4.2	1.94	1.94	2.44	4.08	---	3.62	10.40	10.74	0.68	2.87	3.03	3.62	A
	2.0+2.0+2.5+5.0	1.81	1.81	2.26	4.52	---	3.84	10.40	10.86	0.71	2.76	2.99	3.77	A
	2.0+2.0+2.5+6.0	1.66	1.66	2.08	5.00	---	4.13	10.40	11.09	0.72	2.62	2.90	3.97	A
	2.0+2.0+2.5+7.1	1.53	1.53	1.91	5.43	---	4.44	10.40	11.12	0.79	2.61	2.88	3.98	A
	2.0+2.0+3.5+3.5	1.89	1.89	3.31	3.31	---	3.70	10.40	10.74	0.71	2.87	3.03	3.62	A
	2.0+2.0+3.5+4.2	1.78	1.78	3.11	3.73	---	3.90	10.40	10.74	0.76	2.86	3.03	3.64	A
	2.0+2.0+3.5+5.0	1.66	1.66	2.91	4.17	---	4.13	10.40	10.87	0.76	2.76	2.98	3.77	A
	2.0+2.0+3.5+6.0	1.54	1.54	2.70	4.62	---	4.41	10.40	11.10	0.77	2.61	2.89	3.98	A
	2.0+2.0+3.5+7.1	1.42	1.42	2.49	5.07	---	4.72	10.40	11.13	0.84	2.60	2.88	4.00	A
	2.0+2.0+4.2+4.2	1.68	1.68	3.52	3.52	---	4.10	10.40	10.75	0.78	2.86	3.03	3.64	A
	2.0+2.0+4.2+5.0	1.58	1.58	3.31	3.93	---	4.32	10.40	10.88	0.81	2.76	2.98	3.77	A
	2.0+2.0+4.2+6.0	1.46	1.46	3.09	4.39	---	4.61	10.40	11.11	0.82	2.61	2.89	3.98	A
	2.0+2.0+4.2+7.1	1.36	1.36	2.85	4.83	---	4.92	10.40	11.14	0.90	2.60	2.88	4.00	A
	2.0+2.0+5.0+5.0	1.49	1.49	3.71	3.71	---	4.55	10.40	11.01	0.84	2.71	2.93	3.84	A
	2.0+2.0+5.0+6.0	1.39	1.39	3.47	4.15	---	4.83	10.40	11.23	0.85	2.51	2.90	4.14	A
	2.0+2.5+2.5+2.5	2.18	2.71	2.71	2.71	---	3.28	10.31	10.72	0.64	2.82	3.04	3.66	A
	2.0+2.5+2.5+3.5	1.97	2.48	2.48	3.47	---	3.56	10.40	10.73	0.68	2.87	3.04	3.62	A
	2.0+2.5+2.5+4.2	1.86	2.32	2.32	3.90	---	3.76	10.40	10.74	0.73	2.87	3.03	3.62	A
	2.0+2.5+2.5+5.0	1.73	2.17	2.17	4.33	---	3.99	10.40	10.86	0.73	2.76	2.99	3.77	A
	2.0+2.5+2.5+6.0	1.60	2.00	2.00	4.80	---	4.27	10.40	11.09	0.74	2.62	2.90	3.97	A
	2.0+2.5+2.5+7.1	1.48	1.84	1.84	5.24	---	4.58	10.40	11.12	0.82	2.61	2.88	3.98	A
	2.0+2.5+3.5+3.5	1.80	2.26	3.17	3.17	---	3.84	10.40	10.74	0.73	2.87	3.03	3.62	A
	2.0+2.5+3.5+4.2	1.71	2.13	2.98	3.58	---	4.04	10.40	10.74	0.78	2.86	3.03	3.64	A
	2.0+2.5+3.5+5.0	1.60	2.00	2.80	4.00	---	4.27	10.40	10.87	0.78	2.76	2.98	3.77	A
	2.0+2.5+3.5+6.0	1.48	1.86	2.60	4.46	---	4.55	10.40	11.10	0.82	2.61	2.89	3.98	A
	2.0+2.5+3.5+7.1	1.38	1.72	2.41	4.89	---	4.86	10.40	11.13	0.87	2.60	2.88	4.00	A
	2.0+2.5+4.2+4.2	1.61	2.01	3.39	3.39	---	4.24	10.40	10.75	0.81	2.86	3.03	3.64	A
	2.0+2.5+4.2+5.0	1.52	1.90	3.19	3.79	---	4.46	10.40	10.88	0.84	2.76	2.98	3.77	A
	2.0+2.5+4.2+6.0	1.42	1.77	2.97	4.24	---	4.75	10.40	11.11	0.85	2.61	2.89	3.98	A
	2.0+2.5+5.0+5.0	1.43	1.79	3.59	3.59	---	4.69	10.40	11.01	0.87	2.71	2.93	3.84	A
	2.0+2.5+5.0+6.0	1.34	1.68	3.35	4.03	---	4.97	10.40	11.23	0.88	2.51	2.90	4.14	A
	2.0+3.5+3.5+3.5	1.67	2.91	2.91	2.91	---	4.13	10.40	10.74	0.78	2.86	3.03	3.64	A
	2.0+3.5+3.5+4.2	1.58	2.76	2.76	3.30	---	4.32	10.40	10.75	0.84	2.86	3.03	3.64	A

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
5MXS90E	2.0+3.5+3.5+5.0	1.49	2.60	2.60	3.71	---	4.55	10.40	10.88	0.87	2.76	2.98	3.77	A
	2.0+3.5+3.5+6.0	1.38	2.43	2.43	4.16	---	4.83	10.40	11.11	0.87	2.61	2.89	3.98	A
	2.0+3.5+4.2+4.2	1.50	2.62	3.14	3.14	---	4.52	10.40	10.76	0.89	2.86	3.02	3.64	A
	2.0+3.5+4.2+5.0	1.41	2.48	2.97	3.54	---	4.75	10.40	10.89	0.89	2.75	2.98	3.78	A
	2.0+3.5+5.0+5.0	1.35	2.35	3.35	3.35	---	4.97	10.40	11.01	0.92	2.65	2.93	3.92	A
	2.0+4.2+4.2+4.2	1.43	2.99	2.99	2.99	---	4.72	10.40	10.77	0.92	2.85	3.02	3.65	A
	2.0+4.2+4.2+5.0	1.35	2.84	2.84	3.37	---	4.94	10.40	10.90	0.95	2.75	2.97	3.78	A
	2.5+2.5+2.5+2.5	2.60	2.60	2.60	2.60	---	3.42	10.40	10.72	0.66	2.87	3.04	3.62	A
	2.5+2.5+2.5+3.5	2.36	2.36	2.36	3.32	---	3.70	10.40	10.73	0.71	2.87	3.04	3.62	A
	2.5+2.5+2.5+4.2	2.22	2.22	2.22	3.74	---	3.90	10.40	10.74	0.76	2.87	3.03	3.62	A
	2.5+2.5+2.5+5.0	2.08	2.08	2.08	4.16	---	4.13	10.40	10.86	0.76	2.76	2.99	3.77	A
	2.5+2.5+2.5+6.0	1.93	1.93	1.93	4.61	---	4.41	10.40	11.09	0.77	2.62	2.90	3.97	A
	2.5+2.5+2.5+7.1	1.78	1.78	1.78	5.06	---	4.72	10.40	11.12	0.84	2.61	2.88	3.98	A
	2.5+2.5+3.5+3.5	2.17	2.17	3.03	3.03	---	3.99	10.40	10.74	0.76	2.87	3.03	3.62	A
	2.5+2.5+3.5+4.2	2.05	2.05	2.87	3.43	---	4.18	10.40	10.74	0.81	2.86	3.03	3.64	A
	2.5+2.5+3.5+5.0	1.93	1.93	2.70	3.84	---	4.41	10.40	10.87	0.84	2.76	2.98	3.77	A
	2.5+2.5+3.5+6.0	1.79	1.79	2.51	4.31	---	4.69	10.40	11.10	0.85	2.61	2.89	3.98	A
	2.5+2.5+3.5+7.1	1.67	1.67	2.33	4.73	---	5.00	10.40	11.13	0.90	2.60	2.88	4.00	A
	2.5+2.5+4.2+4.2	1.94	1.94	3.26	3.26	---	4.38	10.40	10.75	0.84	2.86	3.03	3.64	A
	2.5+2.5+4.2+5.0	1.83	1.83	3.08	3.66	---	4.61	10.40	10.88	0.87	2.76	2.98	3.77	A
	2.5+2.5+4.2+6.0	1.71	1.71	2.87	4.11	---	4.89	10.40	11.11	0.87	2.61	2.89	3.98	A
	2.5+2.5+5.0+5.0	1.73	1.73	3.47	3.47	---	4.83	10.40	11.01	0.90	2.71	2.93	3.84	A
	2.5+3.5+3.5+3.5	2.00	2.80	2.80	2.80	---	4.27	10.40	10.74	0.84	2.86	3.03	3.64	A
	2.5+3.5+3.5+4.2	1.90	2.66	2.66	3.18	---	4.46	10.40	10.75	0.86	2.86	3.03	3.64	A
	2.5+3.5+3.5+5.0	1.79	2.51	2.51	3.59	---	4.69	10.40	10.88	0.89	2.76	2.98	3.77	A
	2.5+3.5+3.5+6.0	1.67	2.35	2.35	4.03	---	4.97	10.40	11.11	0.90	2.61	2.89	3.98	A
	2.5+3.5+4.2+4.2	1.81	2.53	3.03	3.03	---	4.66	10.40	10.76	0.92	2.86	3.02	3.64	A
	2.5+3.5+4.2+5.0	1.72	2.39	2.87	3.42	---	4.89	10.40	10.89	0.92	2.75	2.98	3.78	A
	2.5+4.2+4.2+4.2	1.73	2.89	2.89	2.89	---	4.86	10.40	10.77	0.95	2.85	3.02	3.65	A
	3.5+3.5+3.5+3.5	2.60	2.60	2.60	2.60	---	4.55	10.40	10.75	0.89	2.86	3.03	3.64	A
	3.5+3.5+3.5+4.2	2.48	2.48	2.48	2.96	---	4.75	10.40	10.76	0.92	2.86	3.02	3.64	A
	3.5+3.5+3.5+5.0	2.35	2.35	2.35	3.35	---	4.97	10.40	10.89	0.95	2.76	2.98	3.77	A
	3.5+3.5+4.2+4.2	2.36	2.36	2.84	2.84	---	4.94	10.40	10.77	0.98	2.85	3.02	3.65	A
	2.0+2.0+2.0+2.0+2.0	2.08	2.08	2.08	2.08	2.08	3.42	10.40	11.10	0.58	2.62	2.89	3.97	A
	2.0+2.0+2.0+2.0+2.5	1.98	1.98	1.98	1.98	2.48	3.56	10.40	11.10	0.60	2.62	2.89	3.97	A
	2.0+2.0+2.0+2.0+3.5	1.81	1.81	1.81	1.81	3.16	3.84	10.40	11.11	0.67	2.61	2.89	3.98	A
	2.0+2.0+2.0+2.0+4.2	1.70	1.70	1.70	1.70	3.60	4.04	10.40	11.11	0.69	2.61	2.89	3.98	A
	2.0+2.0+2.0+2.0+5.0	1.60	1.60	1.60	1.60	4.00	4.27	10.40	11.24	0.71	2.51	2.90	4.14	A
	2.0+2.0+2.0+2.0+6.0	1.49	1.49	1.49	1.49	4.44	4.55	10.40	11.47	0.72	2.38	2.81	4.37	A
	2.0+2.0+2.0+2.0+7.1	1.38	1.38	1.38	1.38	4.88	4.86	10.40	11.50	0.79	2.36	2.79	4.41	A
	2.0+2.0+2.0+2.5+2.5	1.90	1.90	1.90	2.35	2.35	3.70	10.40	11.10	0.62	2.62	2.89	3.97	A
	2.0+2.0+2.0+2.5+3.5	1.73	1.73	1.73	2.17	3.04	3.99	10.40	11.11	0.69	2.61	2.89	3.98	A
	2.0+2.0+2.0+2.5+4.2	1.64	1.64	1.64	2.05	3.43	4.18	10.40	11.11	0.71	2.61	2.89	3.98	A
	2.0+2.0+2.0+2.5+5.0	1.54	1.54	1.54	1.93	3.85	4.41	10.40	11.24	0.74	2.51	2.90	4.14	A
	2.0+2.0+2.0+2.5+6.0	1.43	1.43	1.43	1.80	4.31	4.69	10.40	11.47	0.74	2.38	2.81	4.37	A
	2.0+2.0+2.0+2.5+7.1	1.33	1.33	1.33	1.67	4.74	5.00	10.40	11.50	0.82	2.36	2.79	4.41	A
	2.0+2.0+2.0+3.5+3.5	1.90	1.90	1.90	2.35	2.35	3.70	10.40	11.10	0.62	2.62	2.89	3.97	A
	2.0+2.0+2.0+3.5+4.2	1.52	1.52	1.52	2.66	3.18	4.46	10.40	11.12	0.79	2.55	2.89	4.08	A

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)					TOTAL CAPACITY (kW)			POWER INPUT HEATING (kW)			COP	ENERGY LABEL
		A ROOM	B ROOM	C ROOM	D ROOM	E ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.		
5MXS90E	20+20+20+35+50	1.43	1.43	1.43	2.51	3.60	4.69	10.40	11.25	0.82	2.51	2.89	4.14	A
	20+20+20+35+60	1.34	1.34	1.34	2.35	4.03	4.97	10.40	11.48	0.82	2.37	2.80	4.39	A
	20+20+20+42+42	1.44	1.44	1.44	3.04	3.04	4.66	10.40	11.13	0.81	2.55	2.88	4.08	A
	20+20+20+42+50	1.37	1.37	1.37	2.87	3.42	4.89	10.40	11.26	0.84	2.56	2.95	4.06	A
	20+20+25+25+25	1.81	1.81	2.26	2.26	2.26	3.84	10.40	11.10	0.67	2.62	2.89	3.97	A
	20+20+25+25+35	1.66	1.66	2.08	2.08	2.92	4.13	10.40	11.11	0.71	2.61	2.89	3.98	A
	20+20+25+25+42	1.58	1.58	1.97	1.97	3.30	4.32	10.40	11.11	0.74	2.56	2.89	4.06	A
	20+20+25+25+50	1.49	1.49	1.86	1.86	3.70	4.55	10.40	11.24	0.76	2.51	2.90	4.14	A
	20+20+25+25+60	1.39	1.39	1.73	1.73	4.16	4.83	10.40	11.47	0.80	2.38	2.81	4.37	A
	20+20+25+35+35	1.54	1.54	1.92	2.70	2.70	4.41	10.40	11.11	0.76	2.61	2.89	3.98	A
	20+20+25+35+42	1.46	1.46	1.84	2.56	3.08	4.61	10.40	11.12	0.82	2.55	2.89	4.08	A
	20+20+25+35+50	1.39	1.39	1.72	2.43	3.47	4.83	10.40	11.25	0.84	2.51	2.89	4.14	A
	20+20+25+42+42	1.40	1.40	1.74	2.93	2.93	4.80	10.40	11.13	0.87	2.60	2.94	4.00	A
	20+20+35+35+35	1.44	1.44	2.52	2.50	2.50	4.69	10.40	11.12	0.84	2.61	2.89	3.98	A
	20+20+35+35+42	1.37	1.37	2.40	2.39	2.87	4.89	10.40	11.13	0.87	2.60	2.94	4.00	A
	20+25+25+25+25	1.72	2.17	2.17	2.17	2.17	3.99	10.40	11.10	0.69	2.62	2.89	3.97	A
	20+25+25+25+35	1.60	2.00	2.00	2.00	2.80	4.27	10.40	11.11	0.74	2.61	2.89	3.98	A
	20+25+25+25+42	1.52	1.90	1.90	1.90	3.18	4.46	10.40	11.11	0.79	2.56	2.89	4.06	A
	20+25+25+25+50	1.44	1.79	1.79	1.79	3.59	4.69	10.40	11.24	0.82	2.51	2.90	4.14	A
	20+25+25+25+60	1.33	1.68	1.68	1.68	4.03	4.97	10.40	11.47	0.82	2.38	2.81	4.37	A
	20+25+25+35+35	1.48	1.86	1.86	2.60	2.60	4.55	10.40	11.11	0.82	2.61	2.89	3.98	A
	20+25+25+35+42	1.41	1.77	1.77	2.48	2.97	4.75	10.40	11.12	0.84	2.55	2.89	4.08	A
	20+25+25+35+50	1.34	1.68	1.68	2.35	3.35	4.97	10.40	11.25	0.87	2.51	2.89	4.14	A
	20+25+25+42+42	1.34	1.69	1.69	2.84	2.84	4.94	10.40	11.13	0.90	2.60	2.94	4.00	A
	20+25+35+35+35	1.38	1.73	2.43	2.43	2.43	4.83	10.40	11.12	0.87	2.61	2.89	3.98	A
	25+25+25+25+25	2.08	2.08	2.08	2.08	2.08	4.13	10.40	11.10	0.72	2.62	2.89	3.97	A
	25+25+25+25+35	1.93	1.93	1.93	1.93	2.68	4.41	10.40	11.11	0.77	2.61	2.89	3.98	A
	25+25+25+25+42	1.83	1.83	1.83	1.83	3.08	4.61	10.40	11.11	0.82	2.56	2.89	4.06	A
	25+25+25+25+50	1.73	1.73	1.73	1.73	3.48	4.83	10.40	11.24	0.85	2.51	2.90	4.14	A
	25+25+25+35+35	1.80	1.80	1.80	2.50	2.50	4.69	10.40	11.11	0.85	2.61	2.89	3.98	A
	25+25+25+35+42	1.71	1.71	1.71	2.40	2.87	4.89	10.40	11.12	0.87	2.61	2.89	3.98	A
	25+25+35+35+35	1.69	1.69	2.34	2.34	2.34	4.97	10.40	11.12	0.90	2.61	2.89	3.98	A

INVERTER

RMXS-E

Super Multi Plus
Inverter Heat Pump

CONNECTABLE INDOOR UNITS

	20 class	25 class	35 class	42 class	50 class	60 class	71 class
Stylish wall mounted unit	-	FTXG25E	FTXG35E	-	CTXG50E	-	-
Wall mounted unit	FTXS20G	FTXS25G	FTXS35G	FTXS42G	FTXS50G	FTXS60F	FTXS71F
Floor standinig unit	-	FVXS25F	FVXS35F	-	FVXS50F	-	-
Flexi type unit	-	FLXS25B	FLXS35B	-	FLXS50B	FLXS60B	-
Slim concealed ceiling unit	-	FDXS25E	FDXS35E	-	FDXS50C	FDXS60C	-
Concealed ceiling unit	-	FDBQ25B	FBQ35C	-	FBQ50C	FBQ60C	-
4-way blow ceiling mounted cassette (600x600)	-	FFQ25B	FFQ35B	-	FFQ50B	FFQ60B	-
Round flow cassette	-	-	FCQ35C	-	FCQ50C	FCQ60C	-
4-way blow ceiling suspended cassette	-	-	FHQ35B	-	FHQ50B	FHQ60B	-

HEAT PUMP

Indoor Units				FTXG25EV1BW	FTXG25EV1BS	FTXG35EV1BW	FTXG35EV1BS
Dimensions	(Height x Width x Depth)		mm	275x840x150			
Weight			kg	9.0			
Air Flow Rate	Cooling	H/M/L/SL	m³/min	7.7 / 6.1 / 4.7 / 3.8		8.1 / 6.5 / 4.9 / 4.1	
	Heating	H/M/L/SL	m³/min	9.0 / 7.9 / 6.7 / 5.4		9.6 / 8.2 / 6.7 / 5.9	
Sound Power	Cooling	High	dBA	56.0		57.0	
	Heating	High	dBA	56.0		57.0	
Sound Pressure	Cooling	H/M/L/SL	dBA	38.0 / 32.0 / 25.0 / 22.0		39.0 / 33.0 / 26.0 / 23.0	
	Heating	H/M/L/SL	dBA	38.0 / 33.0 / 28.0 / 25.0		39.0 / 34.0 / 29.0 / 26.0	
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			

HEAT PUMP

Indoor Units				CTXG50EV1BW	CTXG50EV1BS
Dimensions	(Height x Width x Depth)		mm	275x840x150	
Weight			kg	9.0	
Air Flow Rate	Cooling	H/M/L/SL	m³/min	11.3 / 9.1 / 7.1 / 6.7	
	Heating	H/M/L/SL	m³/min	12.6 / 10.6 / 8.7 / 7.7	
Sound Power	Cooling	High	dBA	64.0	
	Heating	High	dBA	64.0	
Sound Pressure	Cooling	H/M/L/SL	dBA	47.0 / 41.0 / 35.0 / 32.0	
	Heating	H/M/L/SL	dBA	47.0 / 41.0 / 35.0 / 32.0	
Refrigerant			Type	R-410A	
Power Supply				1~/220-240V/50Hz	

HEAT PUMP

Indoor Units				FTXS20G	FTXS25G	FTXS35G	FTXS42G	FTXS50G
Dimensions	(Height x Width x Depth)		mm	295x800x215				
Weight			kg	9	9	10	10	10
Air Flow Rate	Cooling	H/M/L/SL	m³/min	9.4 / 7.4 / 5.5 / 4.0	9.1 / 7.1 / 5.2 / 3.7	10.4 / 7.7 / 4.8 / 3.5	9.1 / 7.7 / 6.3 / 5.4	10.2 / 8.6 / 7.0 / 6.0
	Heating	H/M/L/SL	m³/min	9.9 / 8.2 / 6.5 / 5.5	9.8 / 7.9 / 6.2 / 5.2	10.6 / 8.5 / 6.4 / 5.4	11.2 / 9.4 / 7.7 / 6.8	11.0 / 9.3 / 7.6 / 6.7
Sound Power	Cooling	High	dBA	54	54	58	58	59
	Heating	High	dBA	56	56	57	58	60
Sound Pressure	Cooling	H/L/SL	dBA	38 / 25 / 22	38 / 25 / 22	42 / 26 / 23	42 / 33 / 30	43 / 34 / 31
	Heating	H/L/SL	dBA	38 / 28 / 25	39 / 28 / 25	42 / 29 / 26	42 / 33 / 30	44 / 34 / 31
Refrigerant			Type	R-410A				
Power Supply				1~/220-230-240V/50Hz				

HEAT PUMP

Indoor Units				FTXS60FV1B	FTXS71FV1B
Dimensions	(Height x Width x Depth)		mm	290x1050x238	
Weight			kg	12	
Air Flow Rate	Cooling	H/M/L/SL	m³/min	16.2 / 13.6 / 11.4 / 10.2	17.4 / 14.6 / 11.6 / 10.6
	Heating	H/M/L/SL	m³/min	17.4 / 15.1 / 12.7 / 11.4	19.7 / 16.9 / 14.3 / 12.7
Sound Power	Cooling	Medium	dBA	61	62
	Heating	Medium	dBA	60	62
Sound Pressure	Cooling	H/M/L/SL	dBA	45 / 41 / 36 / 33	46 / 42 / 37 / 34
	Heating	H/M/L/SL	dBA	44 / 40 / 35 / 32	46 / 42 / 37 / 34
Refrigerant			Type	R-410A	
Power Supply				1~/220-240V/50Hz	

HEAT PUMP

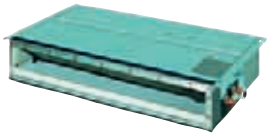
Indoor Units				FLXS25BAVMB	FLXS35BAVMB	FLXS50BAVMB	FLXS60BAVMB
Dimensions	(Height x Width x Depth)		mm	490x1050x200			
Weight			kg	16.0		17.0	
Air Flow Rate	Cooling	H/M/L/SL	m³/min	7.60 / 6.80 / 6.00 / 5.2	8.60 / 7.60 / 6.60 / 5.6	11.40 / 10.00 / 8.50 / 7.6	12.00 / 10.70 / 9.30 / 8.3
	Heating	H/M/L/SL	m³/min	9.20 / 8.30 / 7.40 / 6.6	9.80 / 8.90 / 8.00 / 7.2	12.1 / 9.8 / 7.5 / 6.8	12.80 / 10.60 / 8.40 / 7.5
Sound Power	Cooling	High	dBA	53.0	54.0	63.0	64.0
	Heating	High	dBA	-		62.0	63.0
Sound Pressure	Cooling	H/M/L/SL	dBA	37.0 / 34.0 / 31.0 / 28.0	38.0 / 35.0 / 32.0 / 29.0	47.0 / 43.0 / 39.0 / 36.0	48.0 / 45.0 / 41.0 / 39.0
	Heating	H/M/L/SL	dBA	37.0 / 34.0 / 31.0 / 29.0	39.0 / 36.0 / 33.0 / 30.0	46.0 / 41.0 / 35.0 / 33.0	47.0 / 42.0 / 37.0 / 34.0
Refrigerant			Type	R-410A			
Power Supply				1~/220-240/220-230V/50/60Hz			

HEAT PUMP

Indoor Units				FVXS25FV1B	FVXS35FV1B	FVXS50FV1B
Dimensions	(Height x Width x Depth)		mm	600x700x210		
Weight			kg	14		
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.2 / 6.5 / 4.8 / 4.1	8.5 / 6.7 / 4.9 / 4.5	10.7 / 9.2 / 7.8 / 6.6
	Heating	H/M/L/SL	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	Cooling	High	dBA	54	55	56
	Heating	High	dBA	54	55	57
Sound Pressure	Cooling	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	44 / 40 / 36 / 32
	Heating	H/M/L/SL	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24	45 / 40 / 36 / 32
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP

Indoor Units				FDXS25EAVMB	FDXS35EAVMB
Dimensions	(Height x Width x Depth)		mm	200x700x620	
Weight			kg	21.0	
Air Flow Rate	Cooling	H/M/L/SL	m³/min	8.7 / 8.0 / 7.3 / 6.2	
	Heating	H/M/L/SL	m³/min	8.7 / 8.0 / 7.3 / 6.2	
Sound Power	Cooling	High	dBA	53.0	
	Heating	High	dBA	53.0	
Sound Pressure	Cooling	H/M/L/SL	dBA	35.0 / 33.0 / 31.0 / 29.0	
	Heating	H/M/L/SL	dBA	35.0 / 33.0 / 31.0 / 29.0	
Refrigerant			Type	R-410A	
Power Supply				1~/220-240/220-230V/50/60Hz	

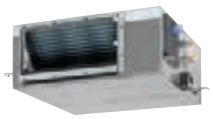


HEAT PUMP

Indoor Units				FDXS50CVMB	FDXS60CVMB
Dimensions	(Height x Width x Depth)		mm	200x900x620	200x1100x620
Weight			kg	27.0	30.0
Air Flow Rate	Cooling	H/M/L/SL	m³/min	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
	Heating	H/M/L/SL	m³/min	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
Sound Power	Cooling	High	dBA	55.0	56.0
	Heating	High	dBA	55.0	56.0
Sound Pressure	Cooling	H/M/L/SL	dBA	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
	Heating	H/M/L/SL	dBA	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
Refrigerant			Type	R-410A	
Power Supply				220-240/220-230V/50/60Hz	

HEAT PUMP

Indoor Units				FDBQ25B8V1
Dimensions	(Height x Width x Depth)		mm	230x652x502
Weight			kg	17.0
Air Flow Rate	Cooling	High/Low	m³/min	6.50 / 5.20
	Heating	High/Low	m³/min	6.95 / 5.20
Sound Power	Cooling	High/Low	dBA	55.0 / 49.0
	Heating	High/Low	dBA	55.0 / 49.0
Sound Pressure	Cooling	High/Low	dBA	35.0 / 28.0
	Heating	High/Low	dBA	35.0 / 29.0
Refrigerant			Type	R-410A
Power Supply				1~/230V/50Hz



HEAT PUMP

Indoor Units				FBQ35C7VEB	FBQ50C7VEB	FBQ60C7VEB
Dimensions	(Height x Width x Depth)		mm	300x700x700		300x1000x700
Weight			kg	25	25	34
Air Flow Rate	Cooling	High/Low	m³/min	16 / 11	16 / 11	18 / 15
	Heating	High/Low	m³/min	16 / 11	16 / 11	18 / 15
Sound Power	Cooling	High	dBA	63	63	57
Sound Pressure	Cooling	High/Low	dBA	37 / 29		37 / 29
	Heating	High/Low	dBA	37 / 29		37 / 29
Refrigerant			Type	R-410A		
Power Supply				1~/230V/50Hz		

HEAT PUMP

Indoor Units				FFQ25B8V1B	FFQ35B8V1B	FFQ50B8V1B	FFQ60B8V1B
Dimensions	(Height x Width x Depth)		mm	286x575x575			
Weight			kg	17.5			
Air Flow Rate	Cooling	High/Low	m³/min	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
	Heating	High/Low	m³/min	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
Sound Power	Cooling	High	dBA	46.5	49.0	53.0	58.0
Sound Pressure	Cooling	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
	Heating	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
Refrigerant			Type	R-410A			
Power Supply				1~/230V/50Hz			

HEAT PUMP

Indoor Units				FCQ35C7VEB	FCQ50C7VEB	FCQ60C7VEB
Dimensions	(Height x Width x Depth)		mm	204x840x840		
Weight			kg	19		
Air Flow Rate	Cooling	High/Low	m³/min	10.5 / 8.5	12.5 / 8.5	13.5 / 8.5
	Heating	High/Low	m³/min	12.5 / 10.0	12.5 / 8.5	13.5 / 8.5
Sound Power	Cooling	High	dBA	49		51
Sound Pressure	Cooling	High/Low	dBA	31 / 27		33 / 28
	Heating	High/Low	dBA	31 / 27		33 / 28
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50/60Hz		

HEAT PUMP

Indoor Units				FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B
Dimensions	(Height x Width x Depth)		mm	195x960x680		195x1160x680
Weight			kg	24.0	25.0	27.0
Air Flow Rate	Cooling	High/Low	m³/min	13.0 / 10.0		17.0 / 13.0
	Heating	High/Low	m³/min	13.0 / 10.0		16.0 / 13.0
Sound Power	Cooling	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0
	Heating	High/Low	dBA	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0
Sound Pressure	Cooling	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0
	Heating	High/Low	dBA	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0
Refrigerant			Type	R-410A		
Power Supply				1~/220-240V/50Hz		

HEAT PUMP — INVERTER

Outdoor Unit				RMXS112E8V1B	RMXS140E8V1B	RMXS160E8V1B
Dimensions	(Height x Width x Depth)		mm	1345x900x320		
Weight			kg	125		
Operation Range	Cooling	Min~Max	°CDB	-5~46		
	Heating	Min~Max	°CWB	-15~20		
Sound Power		Cooling	dBA	67	68	70
Sound Pressure		Cooling	dBA	51	52	54
		Heating	dBA	53	54	55
Sound Level (Night quiet)		Sound Pressure	dBA	47/44/41	47/44/41	
Refrigerant			Type	R-410A		
Power Supply				1~/230V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 19.1 / 26x3		
Max. internunit level difference			m	15		

BRANCH PROVIDER				BPMKS967B2	BPMKS967B3
Connectable indoor units				1~2	1~3
Max. indoor unit connectable capacity				14.2	20.8
Max. iconnectable combination				71+71	60+71+71
Dimensions	(HeightxWidthxDepth)		mm	180x294x350	
Weight			kg	7	8

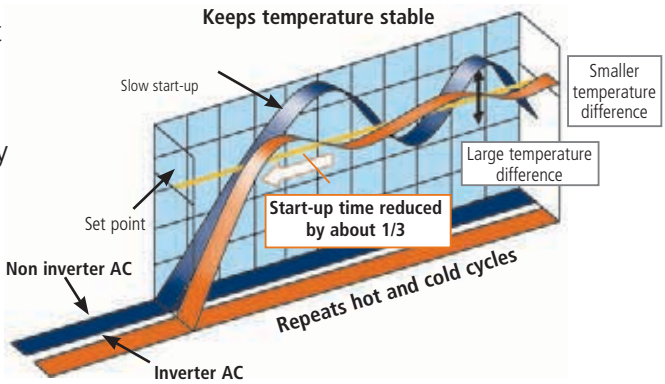

DAIKIN
VRV III

VRV® III-S
VRV® III
VRV®-WII

SHAPING THE AIR TO YOUR NEED

VRV® air conditioning, pioneered by Daikin Industries in Japan in 1982, was introduced to Europe by Daikin Europe in 1987. Already widely known in Japan for some 5 years, the system nevertheless, revolutionised European air conditioning and rapidly achieved a position of dominance within the industry. Since then, Daikin has developed the VRV®'s operational scope and performance to a point where it is now recognised throughout the industry as **the 'benchmark' in commercial air conditioning.**

The first great leap forward in system development came in 1990 when Daikin incorporated **inverter control** into its heat pump VRV®, the advent of inverter capacity control increasing system flexibility and efficiency 'at a stroke' by enabling compressor output to be modulated to match the cooling or heating demand of the conditioned space.



Hi-VRV™ A further development came in 1991 with the introduction of the first heat recovery VRV®, extended the following year by the **Hi-VRV® system**, which also incorporated fresh air supply and computerised system management.

In the late '90s, the need to phase out CFC refrigerant R-22 refrigerant began to concern the market and after considerable research and component redesign, Daikin introduced its fully optimised, **HCFC R-407C** system, a heat recovery model appearing in 2001. Perceived by Daikin solely as an interim solution to the refrigerant problem, the R-407C VRV® nevertheless, represented a valuable medium term step towards an eventual move away from HCFCs.

R-410A Commercial air conditioning technology advanced yet again in 2003 with the introduction of VRV®II – the world's first **HFC R-410A** operated system of this type. Available in both heat pump and heat recovery formats and loaded with new features, VRV®II represented a considerable advance over earlier systems.

In 2004, the **mini VRV®III-S** was launched. Operating on single-phase electricity supply, the system quickly became a firm favourite for application to smaller commercial and large residential apartment projects.

Until 2005, all VRV® systems had been air-cooled but the introduction of the **water-cooled VRV®-WII** extended the VRV®'s application potential by leaps and bounds. Designed for use in new and existing high rise commercial buildings or projects lacking roof or external space for outdoor units, the system is also ideal for use where over stringent noise regulations apply.

Even the advent of the water-cooled version however, does not bring the story up to date. At the end of 2006, Daikin introduced the third generation **VRV®III**. Available in heat pump and heat recovery variants, the system incorporates all the best features of VRV®II plus a number of innovative design, installation and maintenance refinements.

Between 2007 and 2008, Daikin launched a special **'high ambient' VRV®** for use in Middle East markets and also a **'cold region' VRV®** designed to suit the colder climates of Northern Europe.

For 2009, Daikin introduces the new High CoP Heat Recovery range and the third generation VRV-WIII water-cooled systems, the latter also suitable for geothermal applications.

- Higher performance
- wider range of product
- best reliability

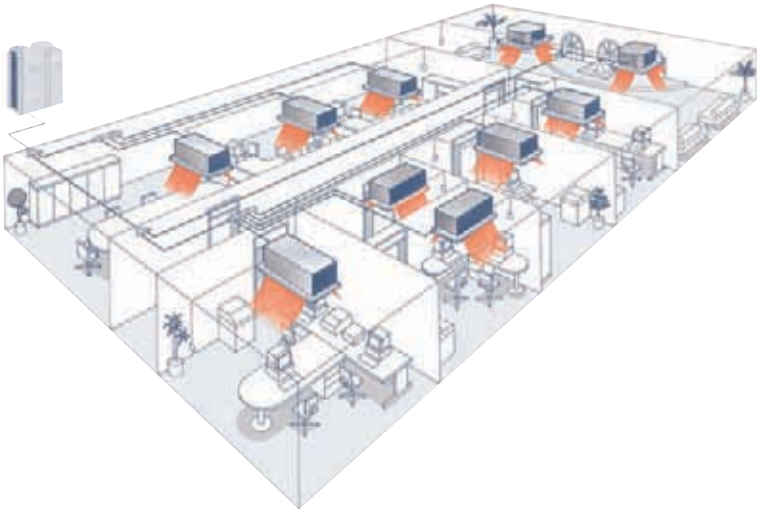
Clearly, the latest advanced VRV® system has come far since its early days and can now rightfully claim to be the most energy efficient, economic to run, user friendly, reliable and flexible air conditioning system of its type on the market today.

RXYQ5-54P(A)/P8(A)

VRV®III Inverter Heat Pump
Small Footprint Combination

RXYQ44P8
RXYQ46-48P7

- Increased EER/COP thanks to the redesigned 8HP unit
- Outdoor unit capacity up to 54 HP
- Wide range of indoor units: 13 different models in a total of 75 variations
- Flexible combination of outdoor units: small footprint combination, high COP combination or any other combination of your choice
- Compact size of outdoor units
- Increased external static pressure: up to 78.4Pa
- 2 steps in night quiet mode: eg. 10HP: 58 dBA, 1st step: 54dBA, 2nd step: 45dBA
- RoHS compliant
- Easy combination with HRV
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Refrigerant containment check function



RXYQ-P(A)/P8(A)	5	8	10	12	14	16	18	20	22	24	26	28	30
RXYQ5P7W1B	1	Not applicable											
new: RXYQ8P8W1B		1						1			1		
RXYQ10P7W1B			1						1			1	
RXYQ12P7W1B				1				1	1	2			1
RXYQ14P7W1BA					1								
RXYQ16P7W1BA						1							
RXYQ18P7W1BA							1				1	1	1

RXYQ-P(A)/P8(A)	32	34	36	38	40	42	44	46	48	50	52	54
RXYQ5P7W1B	Not applicable											
RXYQ8P8W1B				1			1					
RXYQ10P7W1B					1			1				
RXYQ12P7W1B				1	1	2			1			
RXYQ14P7W1BA	1									1		
RXYQ16P7W1BA		1									1	
RXYQ18P7W1BA	1	1	2	1	1	1	2	2	2	2	2	3

RXYQ5-54P(A)/P8(A)

VRV®III Inverter Heat Pump
Small Footprint Combination

HEAT PUMP

Outdoor Units				5	8	10	12	14	16	18
Capacity range			HP	5	8	10	12	14	16	18
Capacity	Cooling		kW	14.0	22.4	28.0	33.5	40.0	45.0	49.0
	Heating		kW	16.0	25.0	31.5	37.5	45.0	50.0	56.5
Power input (nominal)	Cooling		kW	3.52	5.22	7.42	9.62	12.4	14.2	16.2
	Heating		kW	4.00	5.56	7.70	9.44	11.30	12.90	15.30
EER				3.98	4.29	3.77	3.48	3.23	3.17	3.02
COP				4.00	4.50	4.09	3.97	3.98	3.88	3.69
Dimensions	(Height x Width x Depth)		mm	1,680x635x765	1,680x930x765			1,680x1,240x765		
Weight			kg	159	187	240		316		324
Sound Level	Sound Power	Cooling	dBA	72	78		80			83
	Sound Pressure	Cooling	dBA	54	57	58	60			63
Operation Range	Cooling	Min~Max	CDB	-5.0~43.0						
	Heating	Min~Max	CWD	-20.0~15.0						
Refrigerant				R-410A						
Power Supply				3N~/400V/50Hz						
Max n° of indoor units to be connected				8	13	16	19	23	26	29
Piping connections	Liquid (OD)/Gas		mm	9.52 / 15.9	9.52 / 19.1	9.52 / 22.2	12.7 / 28.6			15.9 / 28.6
Max. total length			m	1000						

HEAT PUMP

Outdoor Units				20	22	24	26	28	30	32	34	36
Capacity range			HP	20	22	24	26	28	30	32	34	36
Capacity	Cooling		kW	55.9	61.5	67.0	71.4	77.0	82.5	89.0	94.0	98.0
	Heating		kW	62.5	69.0	75.0	81.5	88.0	94.0	102.0	107.0	113.0
Power input (nominal)	Cooling		kW	14.7	17.0	19.2	20.9	23.6	25.8	28.6	30.4	32.4
	Heating		kW	14.9	17.1	18.9	20.7	23.0	24.7	26.6	28.2	30.6
EER				3.80	3.62	3.49	3.41	3.26	3.20	3.11	3.09	3.02
COP				4.18	4.04	3.97	3.94	3.83	3.81	3.83	3.79	3.69
Dimensions	(Height x Width x Depth)		mm	-								
Weight			kg	-								
Sound Level	Sound Power	Cooling	dBA	83	83	83	85	85	85	85	85	86
	Sound Pressure	Cooling	dBA	62	63	63	64	65	65	65	65	66
Operation Range	Cooling	Min~Max	CDB	-5.0~43.0								
	Heating	Min~Max	CWD	-20.0~15.0								
Refrigerant				R-410A								
Power Supply				3N~/400V/50Hz								
Max n° of indoor units to be connected				32	35	39	42	45	49	52	55	58
Piping connections	Liquid (OD)/Gas		mm	15.9 / 28.6		15.9 / 34.9	19.1 / 34.9					19.1 / 41.3
Max. total length			m	1000								

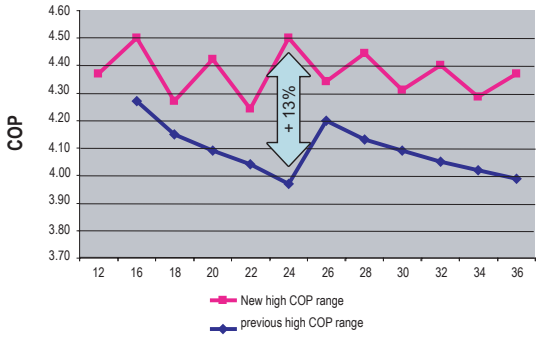
HEAT PUMP

Outdoor Units				38	40	42	44	46	48	50	52	54
Capacity range			HP	38	40	42	44	46	48	50	52	54
Capacity	Cooling		kW	105.0	111.0	116.0	120.0	126.0	132.0	138.0	143.0	147.0
	Heating		kW	119.0	126.0	132.0	138.0	145.0	151.0	158.0	163.0	170.0
Power input (nominal)	Cooling		kW	30.6	33.2	35.4	36.9	39.8	42.0	44.8	46.6	48.6
	Heating		kW	30.1	32.4	34.2	35.9	38.3	40.0	41.9	43.5	45.9
EER				3.43	3.34	3.28	3.25	3.17	3.14	3.08	3.07	3.02
COP				3.95	3.89	3.86	3.84	3.79	3.78	3.77	3.75	3.70
Dimensions	(Height x Width x Depth)		mm	-								
Weight			kg	-								
Sound Level	Sound Power	Cooling	dBA	86	86	86	87	87	87	87	87	88
	Sound Pressure	Cooling	dBA	66	66	66	67	67	67	67	67	68
Operation Range	Cooling	Min~Max	CDB	-5.0~43.0								
	Heating	Min~Max	CWD	-20.0~15.0								
Refrigerant				R-410A								
Power Supply				3N~/400V/50Hz								
Max n° of indoor units to be connected				61	64							
Piping connections	Liquid (OD)/Gas		mm	19.1/41.3								
Max. total length			m	1000								

RXYHQ12-36P8

VRV®III Inverter Heat Pump
High COP Combination

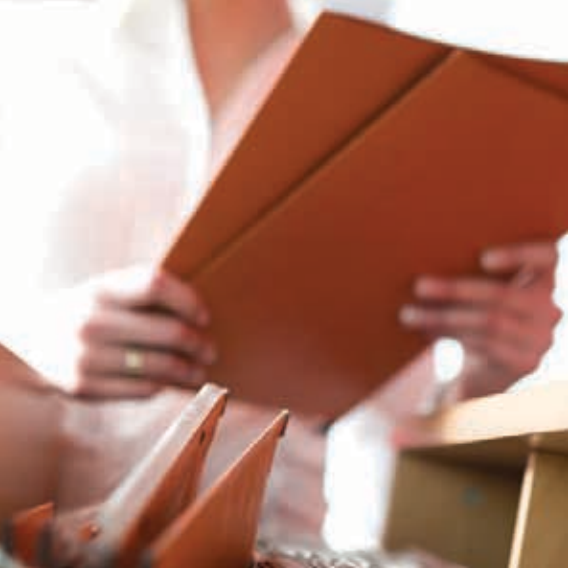
- Top energy efficiency in Daikin heat pump range, thanks to the redesigned 8HP unit and newly developed 12HP high COP unit
- Wide range of indoor units: 13 different models in a total of 75 variations
- Compact size of outdoor units
- Increased external static pressure: up to 78.4Pa
- 2 steps in night quiet mode: eg. 10HP: 58 dBA, 1st step: 54dBA, 2nd step: 45dBA
- RoHS compliant
- Easy combination with HRV
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Refrigerant containment check function



RXYQ-P8			12	16	18	20	22	24	26	28	30	32	34	36
Modules	new	RXYQ8P8W1B		2	1	1		3	2	1	1	1		
		RXYQ10P7W1B			1		1		1	2	1		1	
	new	RXYHQ12P8W1B	1			1	1				1	2	2	3

HEAT PUMP

Outdoor Units				12	16	18	20	22	24	26	28	30	32	34	36
Capacity range			HP	12	16	18	20	22	24	26	28	30	32	34	36
Capacity	Cooling		kW	33.5	44.8	50.4	56.0	61.5	67.2	72.8	78.4	84.0	89.4	95.0	101.0
	Heating		kW	37.5	50.0	56.5	63.0	69.0	75.0	81.5	88.0	94.5	100.0	107.0	113.0
Power input (nominal)	Cooling		kW	8.6	10.4	12.6	13.8	16.0	15.7	17.8	19.0	21.2	22.4	24.7	25.9
	Heating		kW	8.6	11.1	13.2	14.3	16.3	16.7	18.8	19.8	21.9	22.7	24.9	25.9
EER				3.89	4.29	4.00	4.05	3.84	4.29	4.09	4.12	3.96	3.99	3.85	3.89
COP				4.37	4.50	4.27	4.42	4.24	4.50	4.34	4.44	4.31	4.40	4.79	4.37
Dimensions	(Height x Width x Depth)		mm	1680x1240x765	-										
Sound Level	Sound Power	Cooling	dBA	80	82	82	83	83	83	83	83	83	85	85	85
	Sound Pressure	Cooling	dBA	60	60	61	62	62	62	62	63	63	64	64	65
Operation Range	Cooling	Min~Max	°CDB		-5.0~43.0										
	Heating	Min~Max	°CWB		-20.0~15.0										
Refrigerant					R-410A										
Power Supply					3N~/400V/50Hz										
Max n° of indoor units to be connected				19	26	29	32	35	39	42	45	48	52	55	58
Piping connections	Liquid (OD)/Gas		mm	12.7 / 28.6	12.7 / 28.6	15.9 / 28.6			15.9 / 34.9	19.1 / 34.9					19.1 / 41.3
Max total length			m		1000										



RXYSQ4-6PA7V(Y)1B

VRV®III-S Inverter Heat Pump

- High COP values
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Wide range of indoor units
- Power consumption limit setting
- Small capacities - 4, 5 & 6HP
- Slim & flexible design
- Space saving outdoor unit

RXYSQ4-5-6PA7V(Y)1B

HEAT PUMP

Outdoor Unit (Single Phase)				RXYSQ4PA7V1B	RXYSQ5PA7V1B	RXYSQ6PA7V1B
Capacity range			HP	4	5	6
Capacity	Cooling		kW	11.2	14.0	15.5
	Heating		kW	12.5	16.0	18.0
Power Input (Nominal)	Cooling		kW	2.81	3.51	4.53
	Heating		kW	2.74	3.86	4.57
EER				3.99	3.99	3.42
COP				4.56	4.15	3.94
Dimensions	(Height x Width x Depth)		mm	1,345x900x320		
Weight			kg	120		
Sound Level	Sound Power	Cooling	dBA	66	67	69
	Sound Pressure	Cooling	dBA	50	51	53
		Heating	dBA	52	53	55
Operation Range	Cooling	Min~Max	°CDB	-5~46		
	Heating	Min~Max	°CWB	-20~15.5		
Refrigerant				R-410A		
Power Supply				1N~/220-240V/50Hz		
Max n° of indoor units to be connected				6	8	9
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26 x 3		9.52 / 19.1 / 26 x 3
Max total length			m	300		

HEAT PUMP

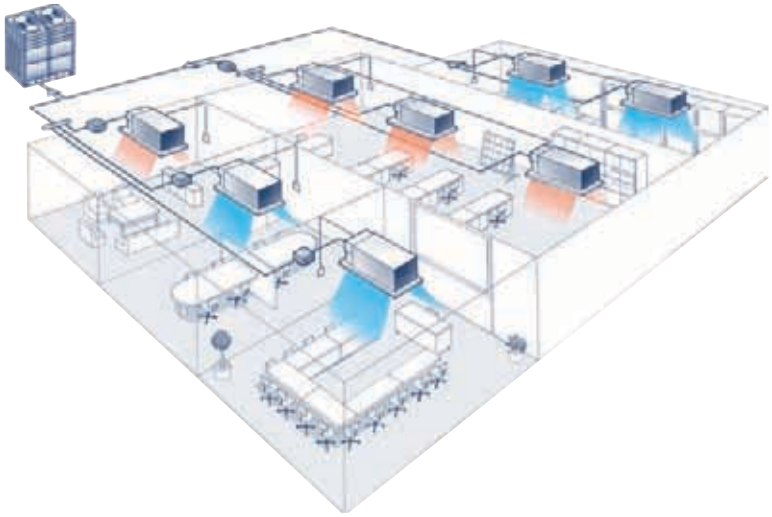
Outdoor Unit (Three Phase)				RXYSQ4PA7Y1B	RXYSQ5PA7Y1B	RXYSQ6PA7Y1B
Capacity range			HP	4	5	6
Capacity	Cooling		kW	11.2	14.0	15.5
	Heating		kW	12.5	16.0	18.0
Power Input (Nominal)	Cooling		kW	2.89	3.61	4.65
	Heating		kW	2.82	3.97	4.69
EER				3.88	3.88	3.33
COP				4.43	4.03	3.83
Dimensions	(Height x Width x Depth)		mm	1,345x900x320		
Weight			kg	120		
Sound Level	Sound Power	Cooling	dBA	66	67	69
	Sound Pressure	Cooling	dBA	50	51	53
		Heating	dBA	52	53	55
Operation Range	Cooling	Min~Max	°CDB	-5~46		
	Heating	Min~Max	°CWB	-20~15.5		
Refrigerant				R-410A		
Power Supply				3N~/380-415V/50Hz		
Max n° of indoor units to be connected				6	8	9
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26 x 3		9.52 / 19.1 / 26 x 3
Max total length			m	300		

REYQ8-48P8/P9

VRV®III Heat Recovery

- Increased EER/COP thanks to the redesigned 8 and 12HP stand alone units and 8HP modular unit
- Its operation range for example 8hp to 48hp in 2hp increment steps (21 system combinations), is wider than any of its contemporaries.
- Its ability to run no less than 64 indoor units in heat recovery format cannot at present be matched by other comparable systems.
- Continuous heating (resulting in a higher integrated heating capacity).
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Increased piping flexibility: maximum piping length: 165m, increased total piping length: 1,000m
- The ability to control each conditioned zone keeps VRV®III system running costs to an absolute minimum.
- Only those areas calling for air conditioning need to be cooled or heated and the system can be shut down completely in unoccupied rooms.
- Quick cool/heat change over.
- Improved refrigerant containment check function
- Flexible combination of outdoor units: Small footprint combination, high COP combination or any other combination of your choice

REYQ46-48P8Y1B



	REYQ-P8		8	10	12	14	16	18	20	22	24	26	28
new	Modules	REYQ8P9	1					Not Applicable					
		REYQ10P8		1									
new		REYQ12P9			1								
		REYQ14P8				1							
		REYQ16P8					1						
new	Modules	REMQ8P9	Not Applicable					1	1				
		REMQ10P8						1		1		1	
		REMQ12P8							1	1	2		1
		REMQ14P8											
		REMQ16P8										1	1
Number of outdoor units			1	1	1	1	1	2	2	2	2	2	2

	REYQ-P8		30	32	34	36	38	40	42	44	46	48
new	Modules	REYQ8P9	Not Applicable									
		REYQ10P8										
new		REYQ12P9										
		REYQ14P8										
		REYQ16P8										
new	Modules	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
Number of outdoor units			2	2	3	3	3	3	3	3	3	3

REYQ8-48P8/P9

VRV®III Heat Recovery

HEAT RECOVERY

REYQ-P8				8	10	12	14	16
Capacity range			HP	8	10	12	14	16
Capacity	Cooling		kW	22.4	28.0	33.5	40.0	45.0
	Heating		kW	25.0	31.5	37.5	45.0	50.0
Power Input (Nominal)	Cooling		kW	5.20	7.09	8.72	11.4	14.1
	Heating		kW	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
Dimensions	(Height x Width x Depth)		mm	1,680x1,300x765				
Weight			kg	331			339	
Sound Level	Sound Power	Cooling	dBA	78	78	80	83	84
	Sound Pressure	Cooling	dBA	58	58	60	62	63
Operation Range	Cooling	Min~Max	°CDD	-5~43				
	Heating	Min~Max	°CWB	-20~15				
Refrigerant				R-410A				
Power Supply				3~/380-415V/50Hz				
Max n° of indoor units to be connected				-				
Piping connections	Liquid (OD)/Gas		mm	9.52 / 19.1	9.52 / 22.2	12.7 / 28.6		
Max Total Length			m	1000				

HEAT RECOVERY

REYQ-P8				18	20	22	24	26	28	30	32
Capacity range			HP	18	20	22	24	26	28	30	32
Capacity	Cooling		kW	50.4	55.9	61.5	67.0	73.0	78.5	85.0	90.0
	Heating		kW	56.5	62.5	69.0	75.0	81.5	87.5	95.0	100.0
Power Input (Nominal)	Cooling		kW	12.7	14.9	17.0	19.2	21.6	23.8	26.6	28.4
	Heating		kW	13.4	15.2	17.1	18.9	20.6	22.3	24.2	25.8
EER				3.98	3.76	3.62	3.49	3.38	3.30	3.20	3.17
COP				4.22	4.11	4.04	3.97	3.96	3.92	3.93	3.88
Dimensions	(Height x Width x Depth)		mm	1,680x930 + 930x765				1,680x930 + 1,240x765		1,680x1,240 + 1,240x765	
Weight			kg	204 + 254		254 + 254		254 + 334		334 + 334	
Sound Level	Sound Power	Cooling	dBA	81	83	83	83	83	83	83	83
	Sound Pressure	Cooling	dBA	61	62	63	63	63	63	63	63
Operation Range	Cooling	Min~Max	°CDD	-5~43							
	Heating	Min~Max	°CWB	-20~15							
Refrigerant				R-410A							
Power Supply				3~/380-415V/50Hz							
Max n° of indoor units to be connected				-							
Piping connections	Liquid (OD)/Gas		mm	15.9 / 28.6			15.9 / 34.9	19.1 / 34.9			
Max Total Length			m	1000							

HEAT RECOVERY

REYQ-P8				34	36	38	40	42	44	46	48
Capacity range			HP	34	36	38	40	42	44	46	48
Capacity	Cooling		kW	95.4	101.0	107.0	112.0	118.0	124.0	130.0	135.0
	Heating		kW	107.0	113.0	119.0	125.0	132.0	138.0	145.0	150.0
Power Input (Nominal)	Cooling		kW	26.9	29.1	31.2	33.4	35.8	38.0	40.8	42.6
	Heating		kW	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	3.30	3.26	3.19	3.17
COP				4.07	4.02	3.97	3.93	3.94	3.92	3.91	3.88
Dimensions	(Height x Width x Depth)		mm	1,680x930 + 930 + 1,240x765				1,680x930 + 1,240 + 1,240x765		1,680x1,240 + 1,240 + 1,240x765	
Weight			kg	204 + 254 + 334		254 + 254 + 334		254 + 334 + 334		334 + 334 + 334	
Sound Level	Sound Power	Cooling	dBA	84	85	85	85	85	85	85	85
	Sound Pressure	Cooling	dBA	64	64	65	65	65	65	65	65
Operation Range	Cooling	Min~Max	°CDD	-5~43							
	Heating	Min~Max	°CWB	-20~15							
Refrigerant				R-410A							
Power Supply				3~/380-415V/50Hz							
Max n° of indoor units to be connected				-							
Piping connections	Liquid (OD)/Gas		mm	19.1 / 34.9	19.1 / 41.3						
Max Total Length			m	1000							

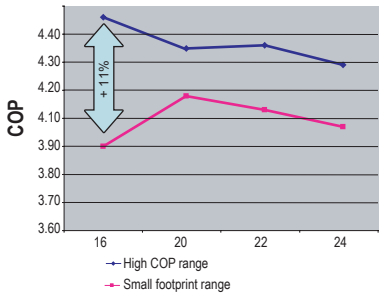
INVERTER

REYHQ16-24P

VRV®III Inverter Heat Recovery
High COP Combination

REYHQ24P

- Top energy efficiency in Daikin heat recovery range, thanks to the redesigned 8HP modular unit and newly developed 12HP high COP modular unit
- Wide range of indoor units: 13 different models in a total of 75 variations
- Continuous heating (resulting in a higher integrated heating capacity)
- Easy installation thanks to automatic refrigerant charging operation, automatic test operation
- Increased piping flexibility: maximum piping length: 165m, increased total piping length: 1,000m
- The ability to control each conditioned zone keeps VRV®III system running costs to an absolute minimum
- Only those areas calling for air conditioning need to be cooled or heated and the system can be shut down completely in unoccupied rooms
- Quick cool/heat change over
- Improved refrigerant containment check
- Extra low noise during night time operation (step 1: 50 dBA; step 2: 45 dBA)
- Possibility to extend the operation range in cooling down to -20°C



REYHQ-P		16	20	22	24
Modules	new: REMQ8P9Y1B	2	1		
	REMQ10P7Y1B			1	
	new: REMHQ12P8Y1B		1	1	2

HEAT RECOVERY

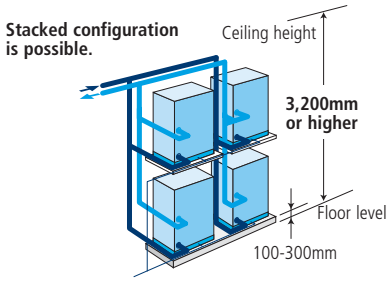
Outdoor Units				REYHQ16PY1B	REYHQ20PY1B	REYHQ22PY1B	REYHQ24PY1B
Independent unit	Outdoor Unit			REMQ8P9Y1B		REMQ10P8Y1B	REMHQ12P8Y1B
	Outdoor Unit			REMQ8P9Y1B		REMHQ12P8Y1B	
Capacity range			HP	16	20	22	24
Capacity	Cooling		kW	45.0	56.0	61.5	67.0
	Heating		kW	50.0	62.5	69.0	75.0
Power Input (Nominal)	Cooling		kW	10.5	13.9	16.0	17.2
	Heating		kW	11.5	14.3	16.3	17.2
EER	Cooling			4.29	4.04	3.84	3.89
COP	Heating			4.36		4.24	4.37
Dimensions	(Height x Width x Depth)		mm	-			
Weight	Unit		kg	-			
Sound Level	Sound Power	Cooling	dBA	82	85	85	87
	Sound Pressure	Cooling	dBA	62	64	64	66
Operation Range	Cooling	Min~Max	°CDB	-5.0~43.0			
	Heating	Min~Max	°CWB	-20.0~15.0			
Refrigerant				R-410A			
Power Supply				3~/400V/50Hz			
Piping connections	Liquid (OD)		mm	12.7	15.9		
	Gas		mm	28.6			34.9
	Max total length		m	1000			
Max n° of indoor units to be connected				26	32	35	39

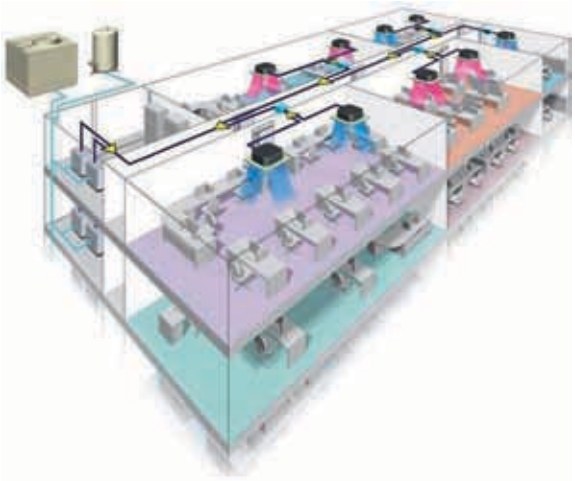
RWEYQ8-30P

Water Cooled VRV®

RWEYQ10MY1

- Wide condensing unit range: 10, 20 & 30HP via 1 single refrigerant circuit
- High COP values: 5.21 nominal value
- Up to 32 indoor units connectable to a 30HP condensing unit
- Wide range of indoor units: 13 different models in a total of 75 variations
- Compact design 1000mm (H) x 780mm (W) x 550mm (D)
- Operation range (inlet water temperature): 10-45°C
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- Flexible piping length





RWEYQ-P		8	10	16	18	20	24	26	28	30
Modules	RWEYQ8P	1		2	1		3	2	1	
	RWEYQ10P		1		1	2		1	2	3

HEAT RECOVERY

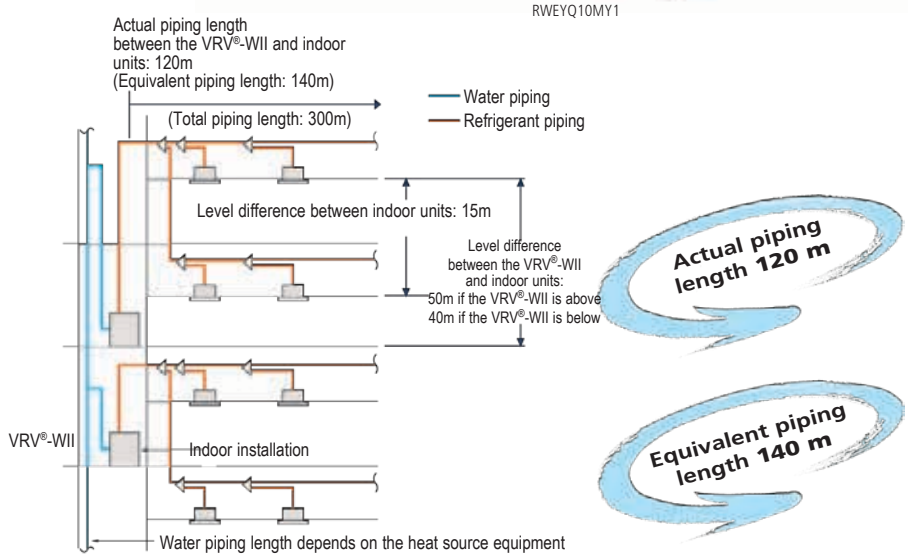
Outdoor Units				8	10	16	18	20	24	26	28	30
Capacity	Cooling		kW	22.4	26.7	44.8	49.1	53.4	67.2	71.5	75.8	80.1
	Heating		kW	25.0	31.5	50.0	56.5	63.0	75.0	81.5	88.0	94.5
Power Input (Nominal)	Cooling		kW	4.55	6.03	9.10	10.6	12.1	13.7	15.1	16.6	18.1
	Heating		kW	4.24	6.05	8.48	10.3	12.1	12.7	14.5	16.3	18.2
EER				4.92	4.43	4.92	4.63	4.41	4.91	4.74	4.57	4.43
COP				5.90	5.21	5.90	5.49	5.21	5.91	5.62	5.40	5.19
Dimensions	Unit	Height	mm	1,000								
		Width	mm	780		780+780			780+780+780			
		Depth	mm	550								
Weight	Unit		kg	149	150	149+149	150+149	150+150	149+149+149	150+149+149	150+150+149	150+150+150
Sound Pressure (Nominal)	Cooling		dBA	50	51	53	54		55			56
Inlet Water Temperature	Cooling	Min~Max	°C	10~45								
	Heating	Min~Max	°C	10~45								
Refrigerant				R-410A								
Power Supply				3~/400V/50Hz								
Piping connections	Liquid (OD)		mm	9.52		12.7	15.9		19.1			
	Gas		mm	19.1	22.2	28.6			34.9			
	Discharge gas		mm	15.9	19.1	22.2			28.6			
	Max total length		m	300								
Max n° of indoor units to be connected				13	16	26	29	32	36	36	36	36

RWEYQ8-30P

Water Cooled VRV®

- Wide condensing unit range: 10, 20 & 30HP via 1 single refrigerant circuit
- High COP values: 5.21 nominal value
- Up to 32 indoor units connectable to a 30HP condensing unit
- Wide range of indoor units: 13 different models in a total of 75 variations
- Compact design 1000mm (H) x 780mm (W) x 550mm (D)
- Operation range (inlet water temperature): 10-45°C
- Connectable to current Daikin control systems: DS-net, Intelligent Touch Controller, Intelligent Manager, BACnet Gateway, DMS-IF
- Flexible piping length

RWEYQ10MY1



RWEYQ-P		8	10	16	18	20	24	26	28	30
Modules	RWEYQ8P	1		2	1		3	2	1	
	RWEYQ10P		1		1	2		1	2	3

HEAT PUMP

Outdoor Units				8	10	16	18	20	24	26	28	30
Capacity	Cooling		kW	22.4	26.7	44.8	49.1	53.4	67.2	71.5	75.8	80.1
	Heating		kW	25.0	31.5	50.0	56.5	63.0	75.0	81.5	88.0	94.5
Power Input (Nominal)	Cooling		kW	4.55	6.03	9.10	10.6	12.1	13.7	15.1	16.6	18.1
	Heating		kW	4.24	6.05	8.48	10.3	12.1	12.7	14.5	16.3	18.2
EER				4.92	4.43	4.92	4.63	4.41	4.91	4.74	4.57	4.43
COP				5.90	5.21	5.90	5.49	5.21	5.91	5.62	5.40	5.19
Dimensions	Unit	Height	mm	1,000								
		Width	mm	780		780+780			780+780+780			
		Depth	mm	550								
Weight	Unit		kg	149	150	149+149	150+149	150+150	149+149+149	150+149+149	150+150+149	150+150+150
Sound Pressure (Nominal)	Cooling		dBA	50	51	53	54		55			56
Inlet Water Temperature	Cooling	Min~Max	°C	10~45								
	Heating	Min~Max	°C	10~45								
Refrigerant				R-410A								
Power Supply				3~/400V/50Hz								
Piping connections	Liquid (OD)		mm	9.52		12.7	15.9			19.1		
	Gas		mm	-								
	Discharge gas		mm	19.1	22.2	28.6			34.9			
	Max total length		m	300								
Max n° of indoor units to be connected				13	16	26	29	32	36	36	36	36

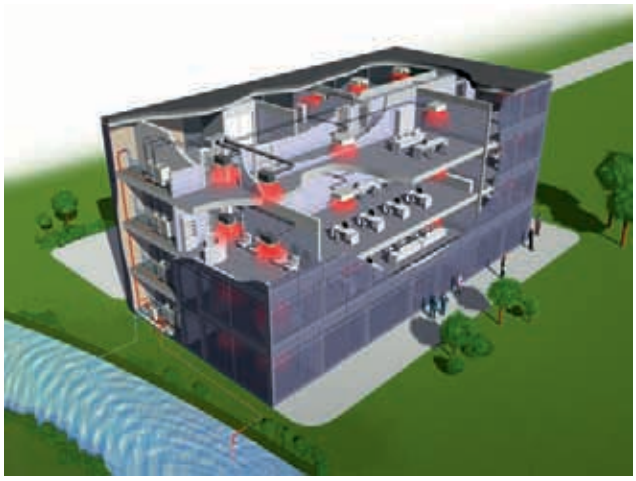
INVERTER

RWEYQ-PR

Geothermal application
VRV®III Water Cooled Inverter Heat Pump

- Heating with ground sourced water as a renewable energy source!
  - Groundwater remains at a relatively constant temperature during the year
  - Superior efficiency remains even at extreme outdoor temperatures
  - Uses renewable energy: ground water, water from a lake, water from rivers,…
- Extension of the operation range down to -10°C in heating
  - Add ethylene glycol to the water when the water inlet temperature is lower than 5°C
  - No multi combinations possible
  - Heat Pump and Heat Recovery systems

RWEYQ10PR



HEAT PUMP AND HEAT RECOVERY						
Outdoor Units					**8**	**10**
Independent Unit	Outdoor Unit				RWEYQ8PY1R	RWEYQ10PY1R
Capacity	Cooling			kW	22.4	26.7
	Heating			kW	25.0	31.5
Dimensions	Unit	Height		mm	1,000	
		Width		mm	780	
		Depth		mm	550	
Weight	Unit			kg	149	150
Sound Pressure (Nominal)	Cooling			dBA	50	51
Inlet Water Temperature	Cooling			°C	10~45	
	Heating			°C	-10~45	
Refrigerant					R-410A	
Power Supply					3~/400V/50Hz	
Piping connections	Liquid (OD)	HP / HR		mm	9.52 / 9.52	
	Gas	HP / HR		mm	- / 19.1	- / 22.2
	Discharge gas	HP / HR		mm	19.1 / 15.9	22.2 / 19.1
	Max total length			m	300	
Max n° of indoor units to be connected					13	16

ROUND FLOW

FXFQ-P8

Round Flow Cassette

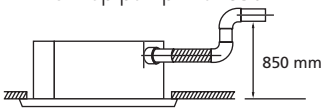
BRC1D52

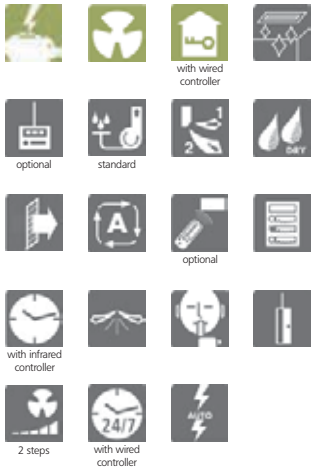
BRC7F532

FXFQ-P8

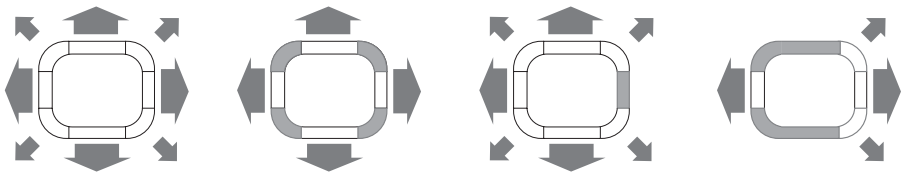
- Modern style decoration panel in pure white with grey louvres. Also available in white with white louvres
- 360° air discharge ensures uniform air flow and temperature distribution
- Air discharge from the corners avoids dead zones that may be subject to temperature differences
- Comfortable horizontal air discharge ensures draughtfree operation and prevents ceiling soiling
- 23 different air flow patterns possible
- Allows multi tenant applications (option PCB required)

- Fresh air intake: standard knockout and optional kit
- Reduced installation height: 214mm for class 20-63
- Drain-up pump with 850 mm lift fitted as standard.

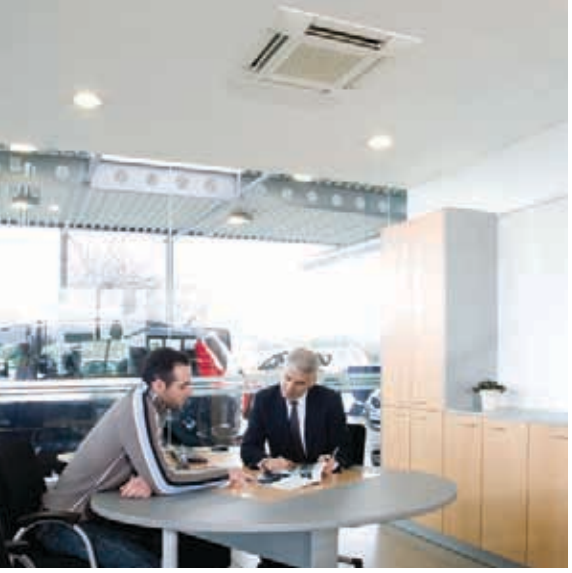




Examples of air flow patterns possible



FXFQ-P8VEB												
Indoor Units				**20**	**25**	**32**	**40**	**50**	**63**	**80**	**100**	**125**
Capacity	Cooling		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00
	Heating		kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00
Power input	Cooling		kW	0.053			0.063	0.083	0.095	0.120	0.173	0.258
	Heating		kW	0.045			0.055	0.067	0.114	0.108	0.176	0.246
Dimensions	(Height x Width x Depth)		mm	204x840x840						246x840x840		288x840x840
Weight			kg	20				21		24		26
Air Flow Rate	Cooling	High/Low	m^3/min	12.5 / 9.0			13.5 / 9.0	15.5 / 10.0	16.5 / 11.0	23.5 / 14.5	26.5 / 17.0	33.0 / 20.0
	Heating	High/Low	m^3/min	12.5 / 9.0			13.5 / 9.0	15.0 / 9.5	17.5 / 12.0	23.5 / 14.5	28.0 / 17.5	33.0 / 20.0
Sound power (nominal)	Cooling		dBA	49.0			50.0	51.0	52.0	55.0	58.0	61.0
Sound Pressure	Cooling	High/Low	dBA	31.0 / 28.0			32.0 / 28.0	33.0 / 28.0	34.0 / 29.0	38.0 / 32.0	41.0 / 33.0	44.0 / 34.0
	Heating	High/Low	dBA	31.0 / 28.0			32.0 / 28.0	33.0 / 28.0	36.0 / 30.0	38.0 / 32.0	42.0 / 34.0	44.0 / 34.0
Refrigerant				R-410A								
Power Supply				1~/220-240V/50Hz								
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.40 / 12.7 / 32					9.5 / 15.9 / 32			
Decoration Panel	Model			BYCQ140CW1 / BYCQ140CW1W								
	Colour			White panel (RAL9010) with grey louvres / White panel (RAL9010) with white louvres								
	HeightxWidthxDepth		mm	50x950x950								
	Weight		kg	5.5								



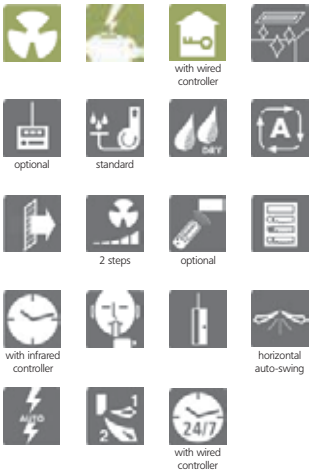
FXZQ-M9

4-Way Blow Ceiling Mounted Cassette (600mm x 600mm)

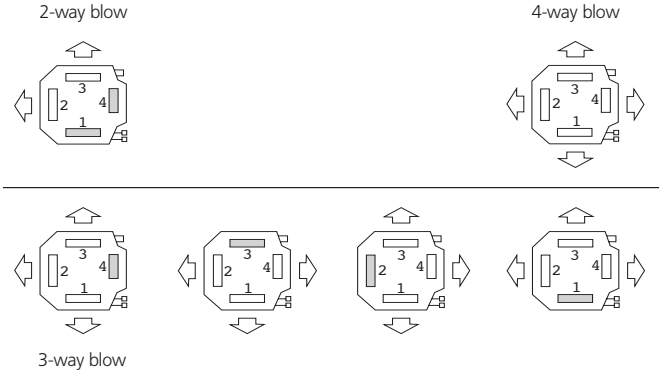
BRC1D52 BRC7E530 FXZQ-M9

- Extremely compact casing (575mm in width and depth) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles
- Modern style decoration panel in white (RAL9010)
- Low noise operation: down to 25 dBA sound pressure level
- Excellent low draught characteristics
- Vertical auto-swing function moves the discharge flaps up and down for efficient air distribution throughout the room
- Since the flaps can move to a 0 degree position, virtually no draught can be experienced

- Drain up pump with 750mm lift fitted as standard
- Allows multi tenant applications (option PCB required)
- 5 different air flow patterns: Any one of 5 air flow patterns can be freely selected between zero and 40 degrees and will then be maintained during the operational cycle of the air conditioner,
- Air can be discharged in any of 4 directions
- Possibility to shut 1 or 2 flaps for easy installation in corners



Examples of air flow patterns possible



FXZQ-M9V1B								
Indoor Units				**20**	**25**	**32**	**40**	**50**
Capacity	Cooling		kW	2.20	2.80	3.60	4.50	5.60
	Heating		kW	2.50	3.20	4.00	5.00	6.30
Power input	Cooling		kW	0.073		0.076	0.089	0.115
	Heating		kW	0.064		0.068	0.080	0.107
Dimensions	(Height x Width x Depth)		mm	286x575x575				
Weight			kg	18				
Air Flow Rate	Cooling	High/Low	m^3/min	9.00 / 7.00		9.50 / 7.50	11.00 / 8.00	14.00 / 10.00
Sound power (nominal)	Cooling		dBA	47.0		49.0	53.0	58.0
Sound Pressure	Cooling	High/Low	dBA	30.0 / 25.0		32.0 / 26.0	36.0 / 28.0	41.0 / 33.0
Refrigerant				R-410A				
Power Supply				1~/220-240V/50Hz				
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.4 / 12.7 / 32				
Decoration Panel	Model			BYFQ60B7W1				
	Colour			White (Ral 9010)				
	HeightxWidthxDepth		mm	55x700x700				
	Weight		kg	2.7				

FXCQ-M8

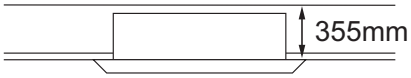
2-Way Blow Ceiling Mounted Cassette

BRC1D52

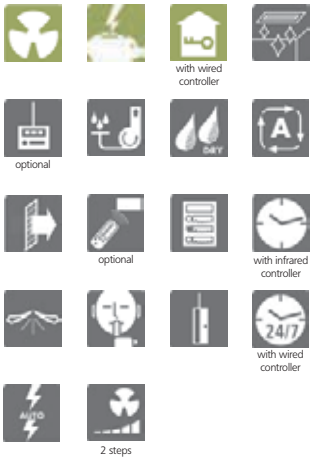
BRC7C62

FXCQ20,25,32M8

- Compact dimensions, can easily be mounted in a ceiling void of only 355mm



- Easy to install: depth of all units is 600mm
- Auto-swing function ensures efficient air and temperature distribution and prevents ceiling soiling,
- Drain up pump with 600mm lift fitted as standard
- Leaves maximum floor and wall space for furniture, decorations and fittings
- Easy to clean flat suction grille



FXCQ-M8V3B												
Indoor Units				**20**	**25**	**32**	**40**	**50**	**63**	**80**	**125**	
Capacity	Cooling		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	14.00	
	Heating		kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00	16.00	
Power input	Cooling		kW	0.077	0.092		0.130		0.161	0.209	0.256	
	Heating		kW	0.044	0.059		0.097		0.126	0.176	0.223	
Dimensions	(Height x Width x Depth)		mm	305x780x600			305x995x600		305x1,180x600	305x1,670x600		
Weight			kg	26			31	32	35	47	48	
Air Flow Rate	Cooling	High/Low	m³/min	7.0 / 5.0	9.0 / 6.5		12.0 / 9.0		16.5 / 13.0	26.0 / 21.0	33.0 / 25.0	
	Heating	High/Low	m³/min	7.0 / 5.0	9.0 / 6.5		12.0 / 9.0		16.5 / 13.0	26.0 / 21.0	33.0 / 25.0	
Sound power (nominal)	Cooling		dBA	45.0	50.0				52.0	54.0	60.0	
Sound Pressure	Cooling	High/Low	dBA	33.0 / 28.0	35.0 / 29.0		35.5 / 30.5		38.0 / 33.0	40.0 / 35.0	45.0 / 39.0	
	Heating	High/Low	dBA	33.0 / 28.0	35.0 / 29.0		35.5 / 30.5		38.0 / 33.0	40.0 / 35.0	45.0 / 39.0	
Refrigerant				R-410A								
Power Supply				1~/230V/50Hz								
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 12.7 / 32					9.5 / 15.9 / 32			
Decoration Panel	Model			BYBC32GJW1			BYBC50GJW1		BYBC63GJW1	BYBC125GJW1		
	Colour			White (10Y9/0.5)								
	HeightxWidthxDepth		mm	53x1030x680			53x1245x680		53x1430x680	53x1920x680		
	Weight		kg	8.0			8.5		9.5	12.0		

FXKQ-MA

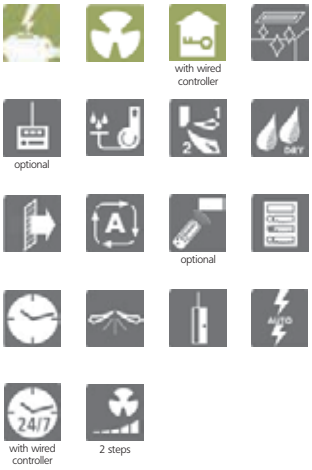
Ceiling Mounted Corner Cassette

BRC1D52 BRC4C61

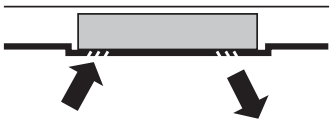
FXKQ63MA

- Slim design 215mm height
- Auto-swing function ensures efficient air and temperature distribution,
- Choice between 3 auto-swing positions for maximum comfort: standard, draught prevention, ceiling soiling prevention
- Optimum air flow conditions are created by either downward air discharge or frontal air discharge (via optional grille) or a combination of both

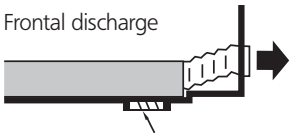
- Leaves maximum floor and wall space for furniture, decorations and fittings
- Drain up pump with 500mm lift fitted as standard



Downward discharge

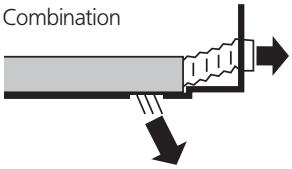


Frontal discharge



Closed decoration panel

Combination



FXKQ-MAVE							
Indoor Units				**FXKQ25MAVE**	**FXKQ32MAVE**	**FXKQ40MAVE**	**FXKQ63MAVE**
Capacity	Cooling		kW	2.80	3.60	4.50	7.10
	Heating		kW	3.20	4.00	5.00	8.00
Power input	Cooling		kW	0.066		0.076	0.105
	Heating		kW	0.046		0.056	0.085
Dimensions	(Height x Width x Depth)		mm	215x1,110x710			215x1,310x710
Weight			kg	31			34
Air Flow Rate	Cooling	High/Low	m^3/min	11.00 / 9.00		13.00 / 10.00	18.00 / 15.00
Sound Pressure	Cooling	High/Low	dBA	38.0 / 33.0		40.0 / 34.0	42.0 / 37.0
Refrigerant				R-410A			
Power Supply				1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	6.4 / 12.7 / 32			9.5 / 15.9 / 32
Decoration Panel	Model			BYK45FJW1			BYK71FJW1
	Colour			White			
	HeightxWidthxDepth		mm	70x1240x800			70x1440x800
	Weight		kg	8.5			9.5

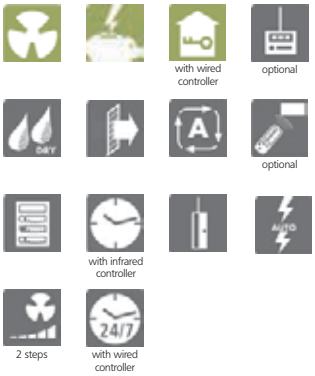
FXDQ-M9

Concealed Ceiling Unit (Small)

BRC1D52 BRC4C62

FXDQ20,25M9

- Designed for hotel bedrooms
- Compact dimensions (230mm high & 652mm deep), can easily be mounted in a ceiling void
- The air suction direction can be altered from rear to bottom suction
- Air suction filter fitted as standard
- For easy mounting, the drain pan can be located to the left or the right of the unit
- Allows multi tenant application



FXDQ-M9V3B					
Indoor Units				**20**	**25**
Capacity	Cooling		kW	2.20	2.80
	Heating		kW	2.50	3.20
Power input	Cooling		kW	0.050	
	Heating		kW	0.050	
Dimensions	(Height x Width x Depth)		mm	230x502x652	
Weight			kg	17	
Air Flow Rate	Cooling	High/Low	m^3/min	6.70 / 5.20	7.40 / 5.80
	Heating	High/Low	m^3/min	6.70 / 5.20	7.40 / 5.80
Sound power (nominal)	Cooling		dBA	50.0	
Sound Pressure	Cooling	High/Low	dBA	37.0 / 32.0	
	Heating	High/Low	dBA	37.0 / 32.0	
Refrigerant				R-410A	
Power Supply				1~/230V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.4 / 12.7 / 27.2	

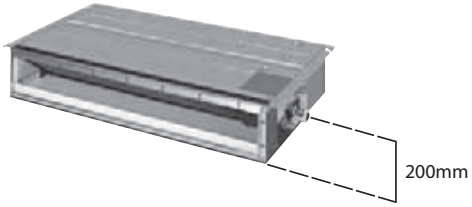
FXDQ-PB/NB

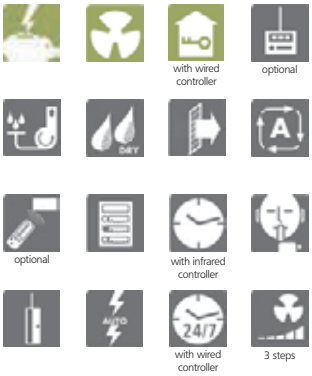
Slim Concealed Ceiling Unit

BRC1D52 BRC4C65

FXDQ20-32PB

- Slim design for flexible installation
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Low noise: down to 29 dBA sound pressure level
- Adjustable external static pressure
- Optional discharge flangers available
- Drain up pump with 750mm lift fitted as standard





FXDQ-PB/FXDQ-NB										
Indoor Units				**20PB**	**25PB**	**32PB**	**40NB**	**50NB**	**60NB**
Capacity	Cooling		kW	2.20	2.80	3.60	4.50	5.60	7.10
	Heating		kW	2.50	3.20	4.00	5.00	6.30	8.00
Power input	Cooling		kW	0.086		0.089	0.160	0.165	0.181
	Heating		kW	0.067		0.070	0.147	0.152	0.168
Dimensions	(Height x Width x Depth)		mm	200x700x620			200x900x620		200x1,100x620
Weight			kg	23.0			27.0	28.0	31.0
Air Flow Rate	Cooling	HH/H/L	m³/min	8.0 / 7.2 / 6.4			10.5 / 9.5 / 8.5	12.5 / 11.0 / 10.0	16.50 / 14.5 / 13.00
External Static Pressure	High/Standard		Pa	30 / 10			44 / 15		
Sound Pressure	Cooling	HH/H/L	dBA	33.0 / 31.0 / 29.0			34.0 / 32.0 / 30.0	35.0 / 33.0 / 31.0	36.0 / 34.0 / 32.0
Refrigerant				R-410A					
Power Supply				1~/220-240V/50Hz					
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.4 / 12.7 / 26.0					9.5 / 15.9 / 26.0

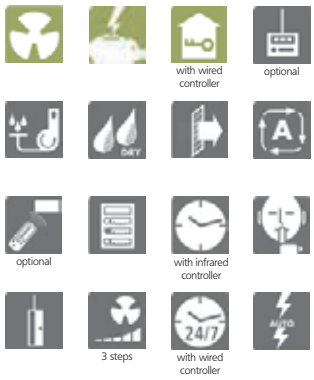
FXSQ-P

Concealed Ceiling Unit

BRC1D52 BRC4C65

FXSQ20,25,32P

- Reduction of power consumption of 20% (compared to FXSQ-M8 series) through use of new DC fan
- Improved comfort thanks to 3-step airflow control
- External static pressure up to 120 Pa facilitates the use with flexible ducts of variying lengths: ideal for shops and medium size offices
- Possibility to change ESP through wired remote control allows optimisation of the supply air volume
- Allows multi tenant applications (option PCB required)
- Easy installation thanks to automatic air flow adjustment towards nominal air flow rate
- Drain-up pump with 624mm lift fitted as standard



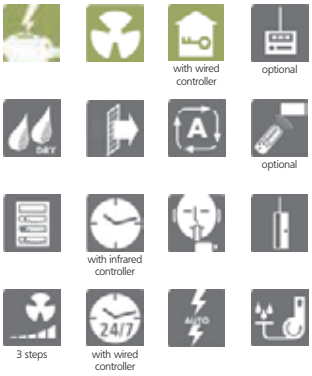
FXSQ-P7V3B												
Indoor Units				**20**	**25**	**32**	**40**	**50**	**63**	**80**	**100**	**125**
Capacity	Cooling		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00
	Heating		kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00
Power input	Cooling		kW	0.073		0.079	0.192	0.192	0.142	0.163	0.247	0.303
	Heating		kW	0.073		0.079	0.192	0.192	0.142	0.163	0.247	0.303
Dimensions	(Height x Width x Depth)		mm	300x550x700			300x700x700		300x1000x700		300x1400x700	
Weight			kg	23			26		35		46	
Air Flow Rate	Cooling	High/Low	m³/min	9.00 / 6.50		9.50 / 7.00	16.00 / 11.00		13.50 / 16.00	25.00 / 20.00	32.00 / 23.00	39.00 / 28.00
	Heating	High/Low	m³/min	9.00 / 6.50		9.50 / 7.00	16.00 / 11.00		13.50 / 16.00	25.00 / 20.00	32.00 / 23.00	39.00 / 28.00
External Static Pressure	High / Standard		Pa	70 / 30			100 / 30			100 / 40	120 / 40	120 / 50
Sound power (nominal)	Cooling		dBA	55.0		56.0	63.0		59.0	63.0	61.0	66.0
Sound Pressure	Cooling	High/Low	dBA	32.0 / 26.0		33.0 / 27.0	37.0 / 29.0		37.0 / 30.0	38.0 / 32.0		40.0 / 33.0
	Heating	High/Low	dBA	32.0 / 26.0		33.0 / 27.0	37.0 / 29.0		37.0 / 30.0	38.0 / 32.0		40.0 / 33.0
Refrigerant				R-410A								
Power Supply				1~/220-240V/50Hz								
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.35 / 12.7 / 32					9.5 / 15.9 / 32			
Decoration Panel	Model			BYBS32DJW1			BYBS45DJW1		BYBS71DJW1	BYBS125DJW1		
	Colour			White (10Y9/0,5)								
	HeightxWidthxDepth		mm	55x650x500			55x800x500		55x1100x500	55x1500x500		
	Weight		kg	3			3.5		4.5	6.5		

FXMQ-P

Concealed Ceiling Unit (Inverter Fan)

BRC1D52 BRC4C65 FXMQ40P

- Reduction of power consumption through use of new DC fan motor technology
- Improved comfort thanks to 3-step airflow control
- Compact height of 300mm, allows installation in narrow ceiling voids
- Up to 200 Pa external static pressure allows extensive ductwork runs and flexible application
- Possibility to change ESP through wired remote control allows optimisation of the supply air volume (changeble in 13 or 14 stages)
- Built-in drain pump with 700mm lift fitted as standard
- Allows multi tenant applications (option PCB required)

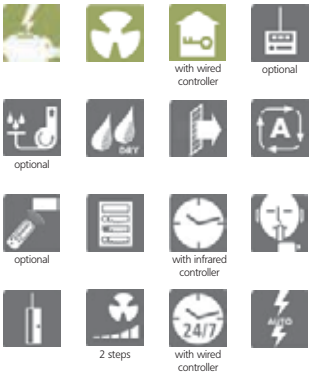


FXMQ-PVE										
Indoor Units				**40**	**50**	**63**	**80**	**100**	**125**
Capacity	Cooling		kW	4.50	5.60	7.10	9.00	11.20	14.00
	Heating		kW	5.00	6.30	8.00	10.00	12.50	16.00
Power input (Nominal)	Cooling		kW	0.194	0.215	0.23	0.298	0.376	0.461
	Heating		kW	0.182	0.203	0.218	0.286	0.364	0.449
Dimensions	(Height x Width x Depth)		mm	300x700x700	300x1000x700			300x1400x700	
Weight			kg	28	36			46	
Air Flow Rate	Cooling	HH/H/L	m³/min	16.0 / 13.0 / 11.0	18.0 / 16.5 / 15.0	19.5 / 17.5 / 16.0	25.0 / 22.5 / 20.0	32.0 / 27.0 / 23.0	39.0 / 33.0 / 28.0
External Static Pressure	H/S/L		Pa	160 / 100 / 30	200 / 100 / 50				
Refrigerant				R-410A					
Power Supply				1~/220-240V/50Hz					
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.4 / 12.7 / 32		9.5 / 15.9 / 32			

FXMQ-MA

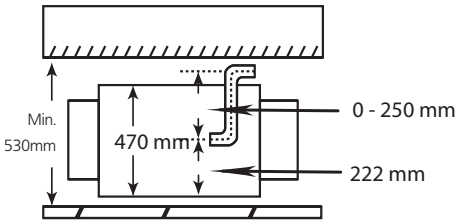
Concealed Ceiling Unit (Large)

BRC1D52 BRC4C62 FXMQ-MA



- Range of models 200-250 class
- Up to 270 Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- Optional drain pump (accessory): housing the drain pump inside the unit has reduced the required installation space
- Optional suction air filter plenums and filters

Optional drain pump accessory



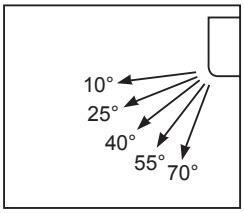
FXMQ-MAVE					
Indoor Units				**200**	**250**
Capacity	Cooling		kw	22.40	28.00
	Heating		kw	25.00	31.50
Power input (Nominal)	Cooling		kw	1.294	1.465
	Heating		kw	1.294	1.465
Dimensions	(Height x Width x Depth)		mm	470x1,380x1100	
Weight			kg	137	
Air Flow Rate	Cooling	High/Low	m^3/min	58.00 / 50.00	72.00 / 62.00
External Static Pressure	High / Standard		Pa	221 / 132	270 / 147
Sound Pressure	Cooling	High/Low	dBA	48.0 / 45.0	
Refrigerant				R-410A	
Power Supply				1~/220-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	9.5 / 19.1 / PS1B	9.5 / 22.2 / PS1B

FXAQ-MV
Wall Mounted Unit

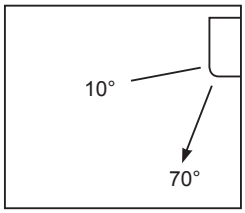
BRC1D52 BRC7E618

FXAQ40,50,63MV

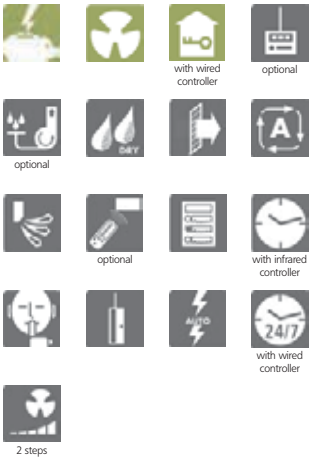
- Compact design
- Fits neatly on a wall
- Auto-swing function ensures efficient air distribution via louvers that close automatically when the unit is switched off
- 5 different discharge angles can be programmed via the remote control



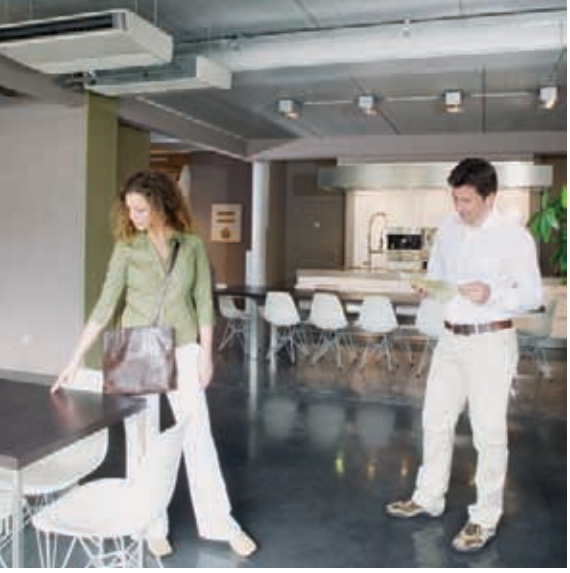
- Both horizontal flaps and front panel can easily be removed and washed
- Discharge angle automatically returns to its previous position on restart (initial setting 10 degrees for cooling and 70 degrees for heating)



- All maintenance operations can be carried out from the front of the unit
- Allows multi tenant applications (option PCB required)



FXAQ-MAVE9										
Indoor Units				**20**	**25**	**32**	**40**	**50**	**63**
Capacity	Cooling		kw	2.20	2.80	3.60	4.50	5.60	7.10
	Heating		kw	2.50	3.20	4.00	5.00	6.30	8.00
Power input	Cooling		kw	0.016	0.022	0.027	0.020	0.027	0.050
	Heating		kw	0.024	0.027	0.032	0.020	0.032	0.060
Dimensions	(Height x Width x Depth)		mm	290x795x230			290x1,050x230		
Weight			kg	11			14		
Air Flow Rate	Cooling	High/Low	m³/min	7.50 / 4.50	8.00 / 5.00	9.00 / 5.50	12.00 / 9.00	15.00 / 12.00	19.00 / 14.00
Sound Pressure	Cooling	High/Low	dBA	35.0 / 29.0	36.0 / 29.0	37.0 / 29.0	39.0 / 34.0	42.0 / 36.0	46.0 / 39.0
Refrigerant				R-410A					
Power Supply				1~/220-240V/50Hz					
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.4 / 12.7 / 18					9.5 / 15.9 / 18

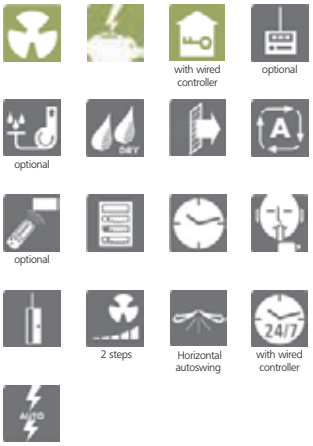


FXHQ-MA

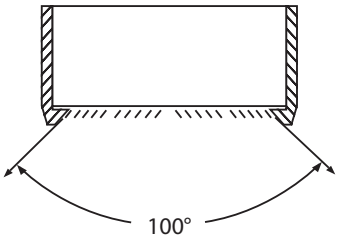
Ceiling Suspended Unit

BRC1D52 BRC7E63

FXHQ32MA



- Air flow distribution for ceiling heights up to 3.8m without loss of capacity
- Use of W-shaped Coanda flap enhances horizontal and vertical air circulation characteristics
- Wider air discharge thanks to Coanda effect: up to 100 degrees



- Easy installation and maintenance
- Long life filter fitted as standard

FXHQ-MAVE						
Indoor Units				**32**	**63**	**100**
Capacity	Cooling		kw	3.60	7.10	11.20
	Heating		kw	4.00	8.00	12.50
Power input	Cooling		kw	0.111	0.115	0.135
	Heating		kw	0.111	0.115	0.135
Dimensions	(Height x Width x Depth)		mm	195x960x680	195x1,160x680	195x1,400x680
Weight			kg	24	28	33
Air Flow Rate	Cooling	High/Low	m^3/min	12.00 / 10.00	17.50 / 14.00	25.00 / 19.50
Sound Pressure	Cooling	High/Low	dBA	36.0 / 31.0	39.0 / 34.0	45.0 / 37.0
Refrigerant				R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.4 / 12.7 / 26	9.5 / 15.9 / 26	

FXUQ-MA

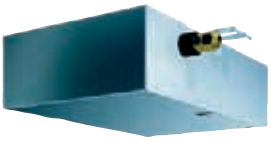
4-Way Blow Ceiling Suspended Cassette

BRC1D52 BRC7C528

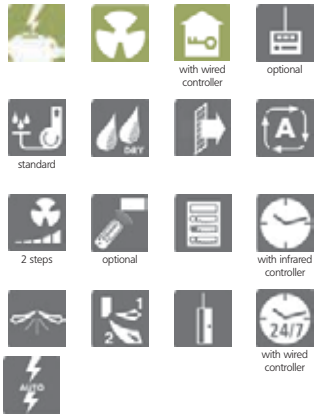
FXUQ71MA

- Group control with other VRV indoor units possible
- 5m maximum distance between FXUQ unit and junction box
- Air can be discharged in any of 4 directions
- Possibility to shut 1 or 2 flaps for easy installation in corners

- Auto-swing function ensures efficient air and temperature distribution.
- Air flow distribution for ceiling heights up to 3.5m without loss of capacity.
- Air can be discharged at 5 different angles between 0 and 60 degrees
- Air filter, drain pan and heat exchanger fin are mildew proof and anti-bacterial treated
- Drain up pump with 500mm lift fitted as standard



BEVQ-MA



FXUQ-MAV1						
Indoor Units				**71**	**100**	**125**
Capacity	Cooling		kw	8.0	11.2	14.0
	Heating		kw	9.0	12.5	14.0
Power input	Cooling		kw	0.180	0.289	
	Heating		kw	0.160	0.269	
Dimensions	(Height x Width x Depth)		mm	165x895x895	230x895x895	
Weight			kg	25	31	
Air Flow Rate	Cooling	High/Low	m^3/min	19.00 / 14.00	29.00 / 21.00	32.00 / 23.00
	Heating	High/Low	m^3/min	19.00 / 14.00	29.00 / 21.00	32.00 / 23.00
Sound power (nominal)	Cooling		dBA	56.0	59.0	60.0
Sound Pressure	Cooling	High/Low	dBA	40.0 / 35.0	43.0 / 38.0	44.0 / 39.0
	Heating	High/Low	dBA	40.0 / 35.0	43.0 / 38.0	44.0 / 39.0
Refrigerant				R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	9.5 / 15.9 / 26		
Combination with junction box				BEVQ71MA	BEVQ100MA	BEVQ125MA

BEVQ-MA			**71**	**100**	**125**
Dimensions	HxWxD	mm		100x350x225	
Weight		kg	3.0	3.0	3.5
Casing			Galvanised steel plate		
Power supply		VE	1~, 50Hz, 220-240V		

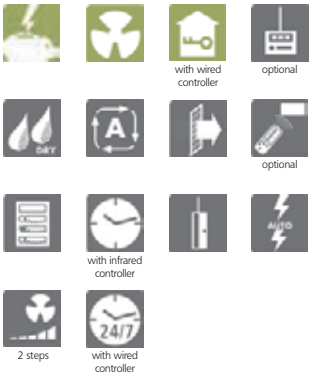
FXNQ-MA

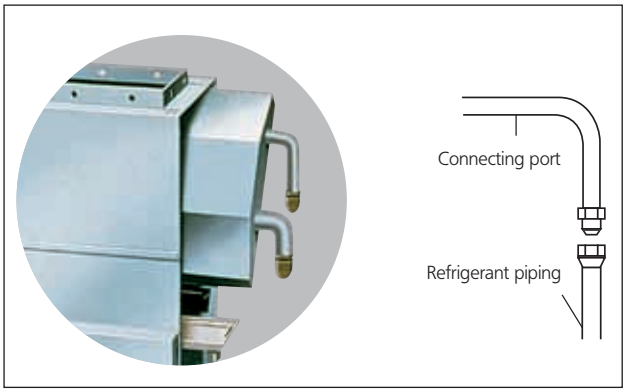
Concealed Floor Standing Unit

BRC1D52 BRC4C62

FXNQ20,25MA

- Ideal for installation beneath a window
- Long life filter fitted as standard
- Requires very little installation space, only 220mm depth
- The connecting port faces downward, eliminating the need to attach auxiliary piping



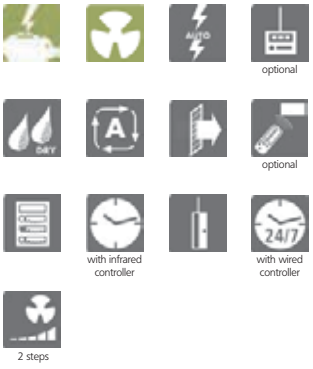


FXNQ-MAVE											
Indoor Units				**20**	**25**	**32**	**40**	**50**	**63**
Capacity	Cooling		kw	2.20	2.80	3.60	4.50	5.60	7.10
	Heating		kw	2.50	3.20	4.00	5.00	6.30	8.00
Power input	Cooling		kw	0.049		0.090		0.110	
	Heating		kw	0.049		0.090		0.110	
Dimensions	(Height x Width x Depth)		mm	610x930x220		610x1,070x220		610x1,350x220	
Weight			kg	19		23		27	
Air Flow Rate	Cooling	High/Low	m^3/min	7.00 / 6.00		8.00 / 6.00	11.00 / 8.50	14.00 / 11.00	16.00 / 12.00
Sound Pressure	Cooling	High/Low	dBA	35.0 / 32.0			38.0 / 33.0	39.0 / 34.0	40.0 / 35.0
Refrigerant				R-410A					
Power Supply				1~/220-240V/50Hz					
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.4 / 12.7 / 21					9.5 / 15.9 / 21

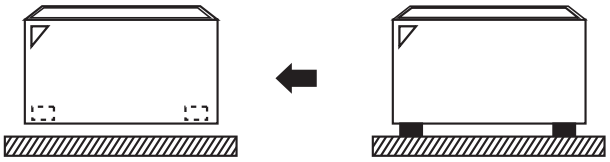
FXLQ-MA

Floor Standing Unit

BRC1D52 BRC4C62 FXLQ20,25MA

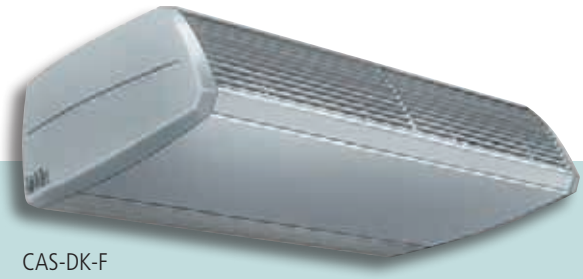


- Ideal for installation beneath a window
- Requires very little installation space
- Running the pipes from connections at the back, enables the unit to be wall mounted which in turn allows cleaning beneath the unit where dust tends to accumulate



- Long life filter fitted as standard

FXLQ-MAVE											
Indoor Units				**20**	**25**	**32**	**40**	**50**	**63**
Capacity	Cooling		kw	2.20	2.80	3.60	4.50	5.60	7.10
	Heating		kw	2.50	3.20	4.00	5.00	6.30	8.00
Power input	Cooling		kw	0.049		0.090		0.110	
	Heating		kw	0.049		0.090		0.110	
Dimensions	(Height x Width x Depth)		mm	600x1000x222		600x1,140x222		600x1,420x222	
Weight			kg	25		30		36	
Air Flow Rate	Cooling	High/Low	m³/min	7.00 / 6.00		8.00 / 6.00	11.00 / 8.50	14.00 / 11.00	16.00 / 12.00
Sound Pressure	Cooling	High/Low	dBA	35.0 / 32.0			38.0 / 33.0	39.0 / 34.0	40.0 / 35.0
Refrigerant				R-410A					
Power Supply				1~/220-240V/50Hz					
Piping connections	Liquid (OD)/Gas/Drain (OD)		mm	6.4 / 12.7 / 21					9.5 / 15.9 / 21



CAS-DK-F

AIR CURTAINS FOR VRV®III HEAT RECOVERY

Biddle CA (Constant Air Velocity) air curtains are the ideal solution for retailers and consultants to combat the issue of climate separation across their outlet or office doorway. Using a combination of rectifier technology, air velocity and temperature control they deliver greater comfort to staff and customers alike, all year round, in all weathers.

In conjunction with Biddle, Daikin now introduce the first VRV®III heat recovery air curtain to the market, coupling the benefits of the Biddle CA air curtain technology with the benefits of Daikin VRV®III with heat recovery.

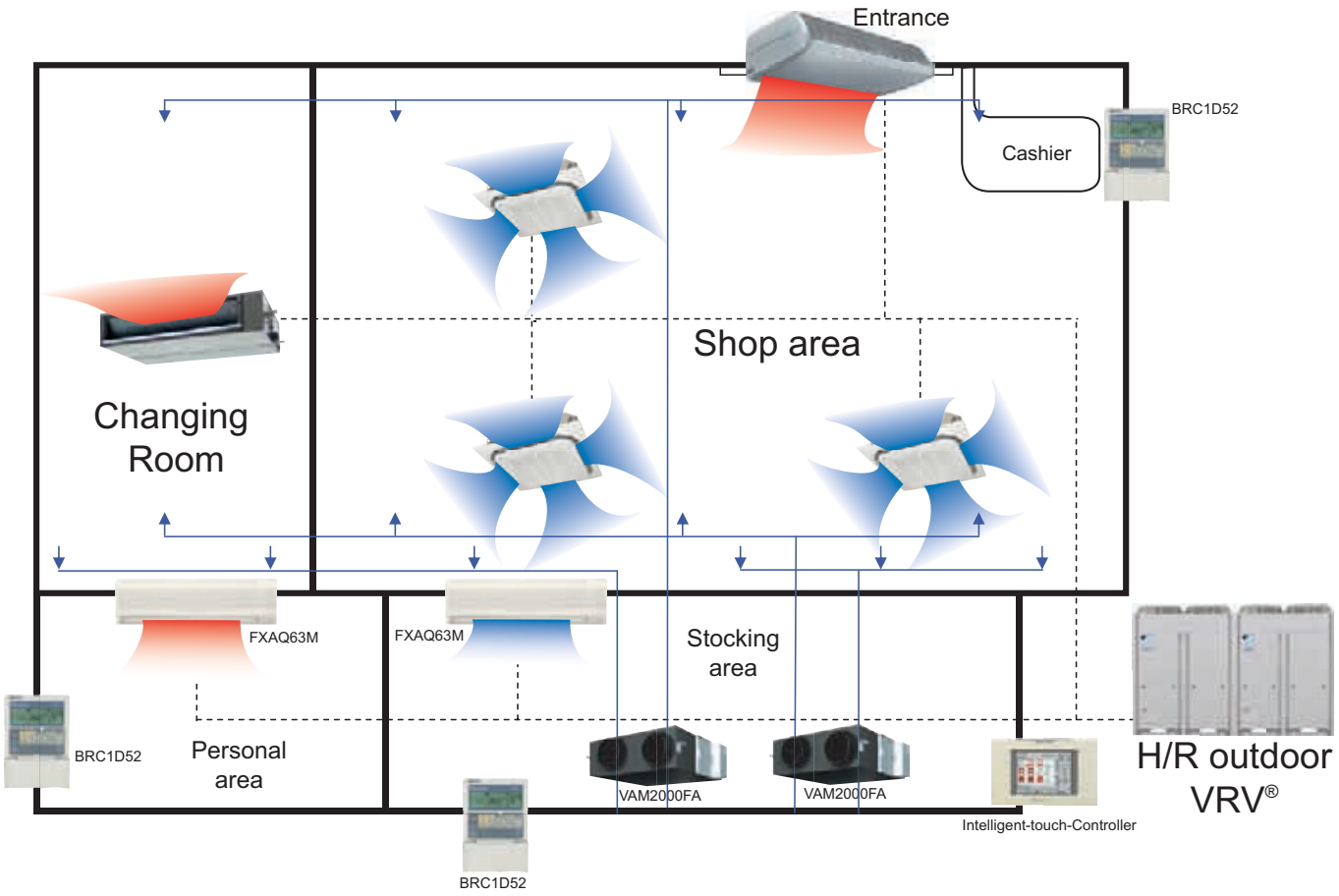
- Connects to the entire VRV®III range
- Connection to the high COP heat recovery system enables COP's of up to 4.36
- Short payback times – less than 3 years
- Air curtain Rectifier technology – deeply penetrating airstream
- Constant Air Velocity technology – all year round efficiency
- Two European Patents – Rectifier technology and Constant Air Velocity technology.

biddle CLIMATE SOLUTIONS

EUROPEAN PATENT

Total solutions - one stop shop concept:

H/R outdoor + A/C indoor + air curtain + control
= Highly energy efficient solution



The Daikin-Biddle air curtain can be connected to the entire VRV®III range. This enables the air curtain to inherit all VRV®III features.

The air curtain is connectable to:

- new: VRV®III heat recovery **high COP**
- new: VRV®III heat pump **high COP**
- new: VRV®-WIII heat recovery
- new: VRV®-WIII heat pump
- VRV®III heat recovery
- VRV®III heat pump
- VRV®III-S heat pump

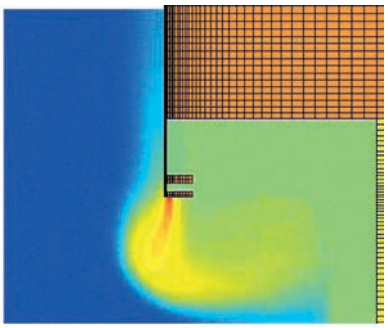
COP's of up to 4.36 in heating can be obtained, which can reduce pay-back period to less then 3 years!

DAIKIN–BIDDLE
AIR CURTAIN TECHNOLOGY

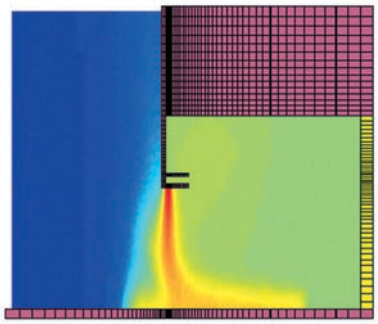
Rectifier technology (European Patent)

By reducing the air turbulence at the discharge of the air curtain, the induction of the surrounding air is also reduced, providing a deeply penetrating airstream.
In addition the design of the rectifier provides a laminar air flow right down to floor level, reducing energy consumption and increasing comfort levels all year round.

- Laminar air flow stream – Minimizes air turbulence
- Reduced energy loss
- Improved penetration – greater comfort levels.



Standard air curtain, with turbulent air stream and loss of airflow – **separation efficiency up to 50%**

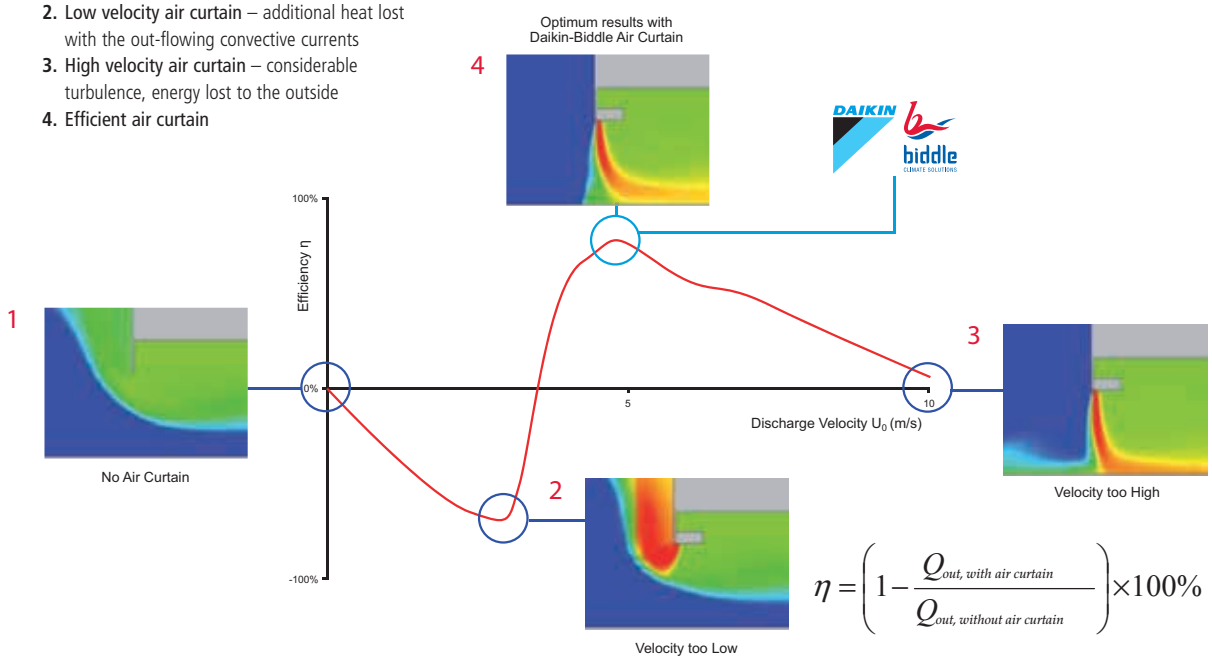


Daikin-Biddle air curtain with patented rectifier grille – **separation efficiency up to 90%**

Optimised air flow velocity

The correct air flow velocity greatly improves the air curtain efficiency and when combined with the rectifier technology, results in high separation efficiencies.

1. **Energy losses** – no air curtain fitted
2. **Low velocity air curtain** – additional heat lost with the out-flowing convective currents
3. **High velocity air curtain** – considerable turbulence, energy lost to the outside
4. **Efficient air curtain**

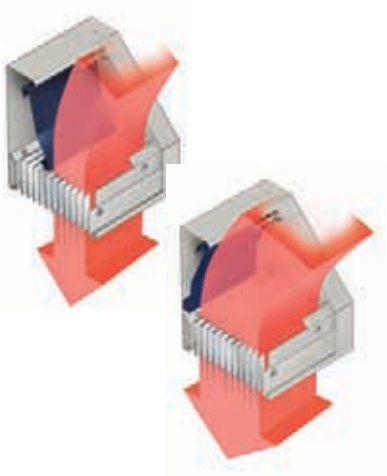


DAIKIN–BIDDLE
CONSTANT AIR TECHNOLOGY

Constant Air Velocity technology (CA)

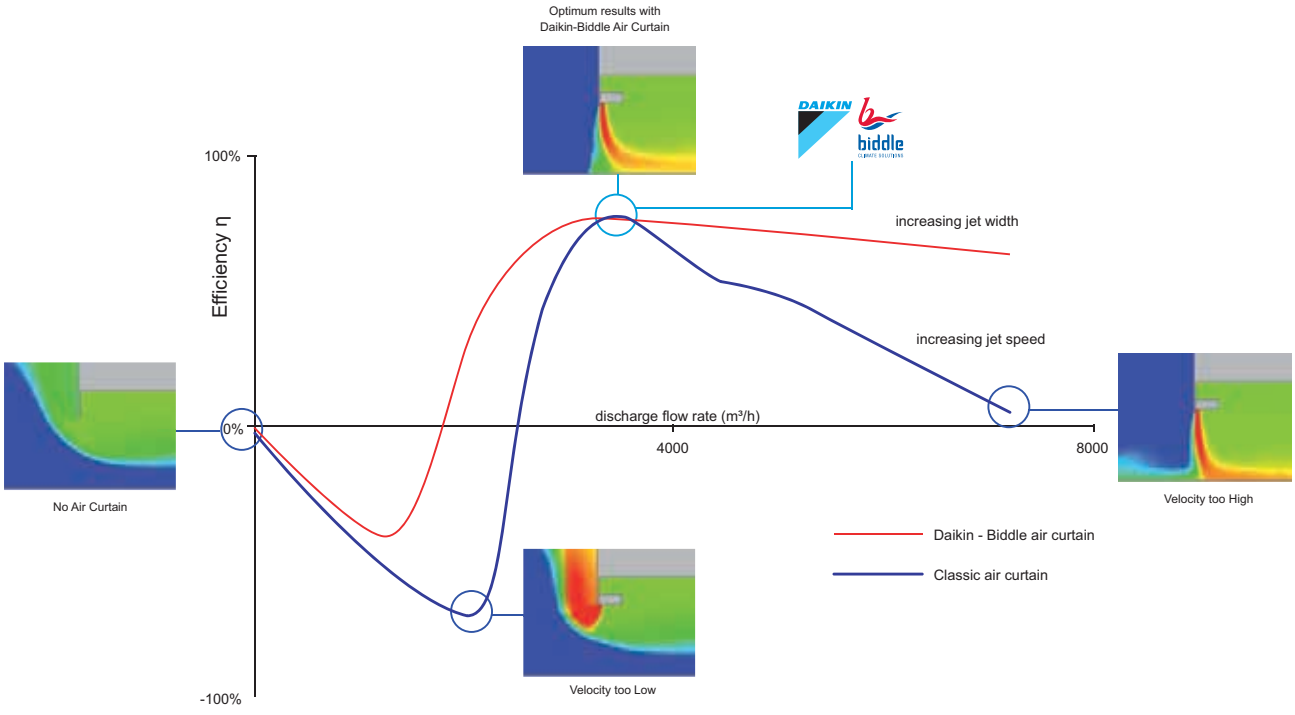
On more demanding days it is usual to increase the operational speed of the air curtain. Similarly on milder days the speed would be reduced. A standard air curtain with a fixed area discharge grille, means the air velocity increases or decreases accordingly, resulting in a drop in energy efficiency and comfort.

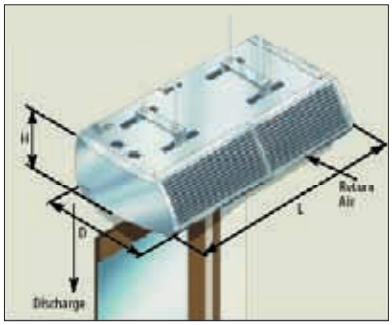
One of the important differences between the Biddle CA air curtain and a standard air curtain is the inclusion of a patented damper mechanism. This assembly helps maintain a constant velocity across all fan speeds, so the optimum air velocity for efficiency and thermal comfort is maintained regardless of the conditions outside.



Increased outlet width vs Increased air velocity

The application of CA technology generates a high separation efficiency compared to that of standard air curtains, as the Daikin-Biddle air curtain increases the airstream outlet width, rather than increasing the velocity.

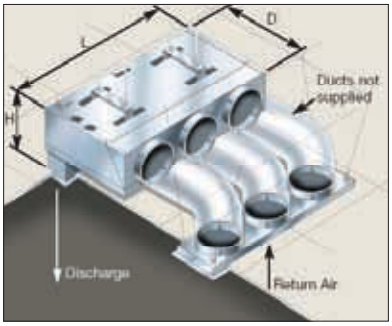




Exposed Model (F)

CAS-DK-F (Exposed Model)

Air curtain			CAS150DK-F	CAS200DK-F
Capacity	Heating (speed 1/2/3/4)	kW	3.92 / 4.94 / 6.02 / 7.46	5.31 / 6.71 / 8.17 / 10.4
Dimensions	(Height x Width x Depth)	mm	297 x 1,622x 590	297 x 2,122 x 590
Weight		kg	66	79
Air Flow Rate	(speed 1/2/3/4)	m³/h	740 / 1,000 / 1,310 / 1,850	990 / 1,340 / 1,750 / 2,470
Sound Pressure (at 3m)	(speed 1/2/3/4)	dBA	32 / 38 / 44 / 52	33 / 39 / 45 / 53
Refrigerant		Type	R-410A	R-410A
Power Supply			1~/230V/50Hz	1~/230V/50Hz
Max door width		m	1.5	2.0
Max mounting height		m	2.4	2.4

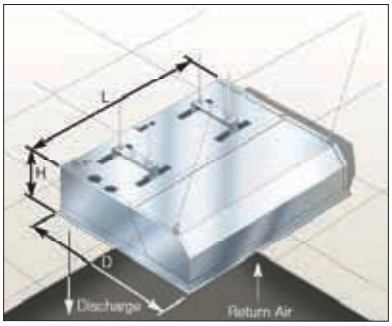


Ceiling Recessed Model (R)

CAS-DK-R (Ceiling Recessed Model)

Air curtain			CAS150DK-R	CAS200DK-R
Capacity	Heating (speed 1/2/3/4)	kW	3.92 / 4.94 / 6.02 / 7.46	5.31 / 6.71 / 8.17 / 10.4
Dimensions	(Height x Width x Depth)	mm	*297 x 1,500 x 565	*297 x 2,000 x 565
Weight		kg	89	108
Air Flow Rate	(speed 1/2/3/4)	m³/h	740 / 1,000 / 1,310 / 1,850	990 / 1,340 / 1,750 / 2,470
Sound Pressure (at 3m)	(speed 1/2/3/4)	dBA	32 / 38 / 44 / 52	33 / 39 / 45 / 53
Refrigerant		Type	R-410A	R-410A
Power Supply			1~/230V/50Hz	1~/230V/50Hz
Max door width		m	1.5	2.0
Max mounting height		m	2.4	2.4

*Plus Telescopic Discharge Section adding 80-125mm



Cassette Model (C)

CAS-DK-C (Cassette Model)

Air curtain			CAS150DK-C	CAS200DK-C
Capacity	Heating (speed 1/2/3/4)	kW	3.92 / 4.94 / 6.02 / 7.46	5.31 / 6.71 / 8.17 / 10.4
Dimensions	(Height x Width x Depth)	mm	297 x 1,500 x 821	297 x 2,000 x 821
Weight		kg	83	102
Air Flow Rate	(speed 1/2/3/4)	m³/h	740 / 1,000 / 1,310 / 1,850	990 / 1,340 / 1,750 / 2,470
Sound Pressure (at 3m)	(speed 1/2/3/4)	dBA	32 / 38 / 44 / 52	33 / 39 / 45 / 53
Refrigerant		Type	R-410A	R-410A
Power Supply			1~/230V/50Hz	1~/230V/50Hz
Max door width		m	1.5	2.0
Max mounting height		m	2.4	2.4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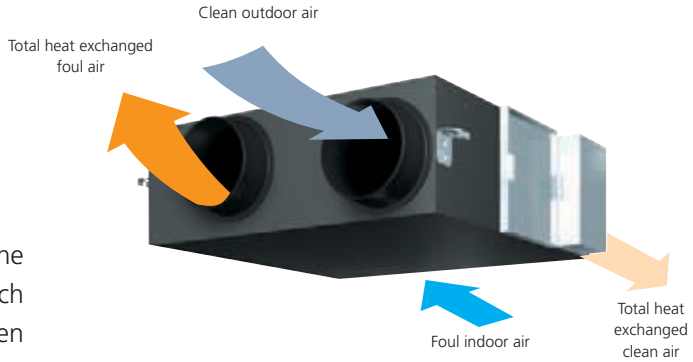
Ventilation

Air conditioning and air movement of course, are not the same. Neither actually includes the other but both are necessary components of a comfortable and energy efficient indoor climate. Ventilation by itself cannot cope with the high heat gains generated by modern office complexes and indoor temperature and humidity levels can fluctuate wildly if ventilation alone is installed. On the other hand, air conditioning cannot supply the necessary fresh air needed for a balanced system. The ideal solution therefore, requires air conditioning and ventilation in combination.

Daikin manufactures and markets a range of fresh air reclaim, treatment and handling systems, carefully designed for integration with its air conditioning systems in order to achieve the most economic, environmentally conscious and best possible indoor comfort conditions.

VAM-FA8

Heat Reclaim Ventilation



The Daikin heat recovery ventilation system modulates the temperature and humidity of incoming fresh air to match indoor conditions. A balance is thus achieved between indoor and outdoor ambients, enabling the cooling or heating load placed on the air conditioning system to be reduced significantly.
HRV units can be controlled individually or integral with the air conditioning system (Daikin VRV® or Sky Air series).

- 9 models to choose from
- Compact, energy saving ventilation
- Specially developed heat exchange element with HEP (High Efficiency Paper)
- Easy integration into the VRV® system
- Connectable to current Daikin control systems:

DS-net
intelligent touch Controller
intelligent Manager
BACnet Gateway
DMS-IF

VAM-FA8											
Ventilation			**VAM150FA8**	**VAM250FA8**	**VAM350FA8**	**VAM500FA8**	**VAM650FA8**	**VAM800FA8**	**VAM1000FA8**	**VAM1500FA8**	**VAM2000FA8**
Air flow rate		m^3/h	150	250	350	500	650	800	1,000	1,500	2,000
Sound pressure level (max.) (1)		dBA	27/28.5	28/29	32/34	33/34.5	34.5/35.5	36/37	36/37	39.5/41.5	40/42.5
External static pressure (max.)		Pa	69	64	98	98	93	137	157	137	137
Temperature exchange efficiency		%	74	72	75	74	74	74	75	75	75
Enthalpy exchange efficiency	heating	%	58	58	61	58	58	60	61	61	61
	cooling	%	64	64	65	62	63	65	66	66	66
Dimensions	H	mm	269	269	285	285	348	348	348	710	710
	W	mm	760	760	812	812	988	988	988	1,498	1,498
	D	mm	509	509	800	800	852	852	1,140	852	1,140
Weight		kg	24	24	33	33	48	48	61	132	158
Duct diameter		mm	ø 100	ø 150	ø 150	ø 200	ø 200	ø 250	ø 250	ø 350	ø 350
Power supply		VE	1 ~, 50Hz, 220-240V								

(1) Sound pressure level is measured in heat exchange mode.

VKM-GA

Heat Reclaim Ventilation with DX Coil

- Heat purge (economiser): heat accumulated indoors is discharged at night
- Integration of air conditioning into HRV unit
- Increased static pressure thanks to improved fan performance
- Integrated control with VRV system only
- Connectable to current Daikin control systems:

DS-net

intelligent touch Controller

intelligent Manager

BACnet Gateway

DMS-IF

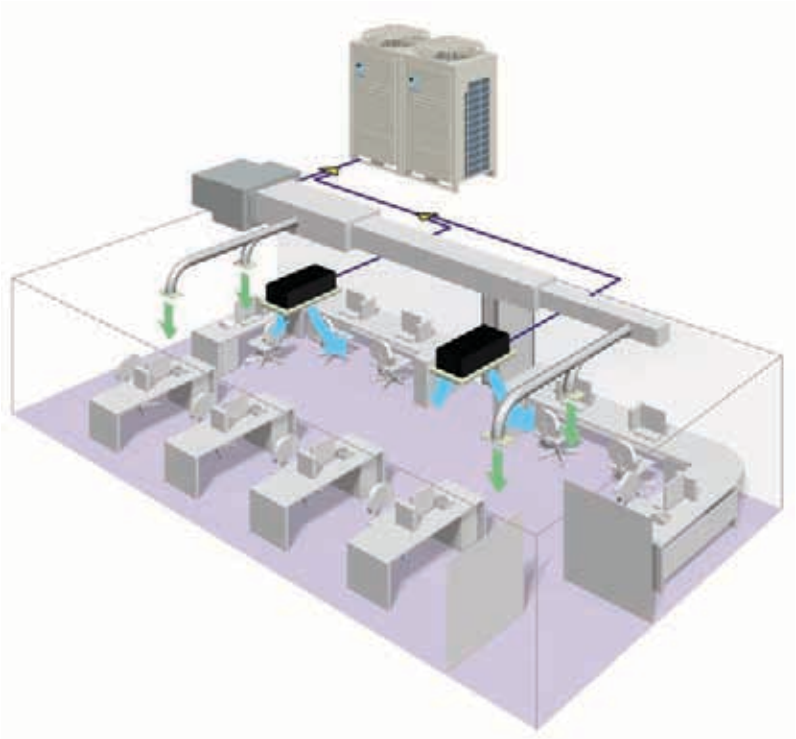
VKM-GA					
Ventilation & DX coil			**VKM50GA**	**VKM80GA**	**VKM100GA**
Fresh air conditioning load	Cooling	kW	4.71	7.46	9.12
	Heating	kW	5.58	8.79	10.69
Air flow rate	UH - H - L	m^3/h	500 - 500 - 440	750 - 750 - 640	950 - 950 - 820
Sound pressure level - 220V	UH - H - L	dBA	38 - 36 - 33.5	40 - 37.5 - 34.5	40 - 38 - 35
Sound pressure level - 240V	UH - H - L	dBA	39 -37 - 33.5	41.5 - 39 - 37	41 - 39 - 36.5
Static pressure	UH - H - L	Pa	180 - 150 - 110	170 - 120 - 80	150 - 100 - 70
Temperature exchange efficiency	UH - H - L	%	76 - 76 - 77.5	78 - 78 - 79	74 - 74 - 76.5
Enthalpy exchange efficiency - cooling	UH - H - L	%	64 - 64 - 67	66 - 66 - 68	62 - 62 - 66
Enthalpy exchange efficiency - heating	UH - H - L	%	67 - 67 - 69	71 - 71 - 73	65 - 65 - 69
Dimensions	Height	mm	387	387	387
	Width	mm	1,764	1,764	1,764
	Depth	mm	832	1,214	1,214
Weight		kg	96	109	114
Power supply		V1	1 ~, 220-240V, 50Hz		

FXMQ-MF

Outdoor Air Processing Unit

FXMQ250MF

- 100% fresh air intake possible
- Operation range: -5°C to 43°C
- 225 Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- Drain pump kit available as accessory



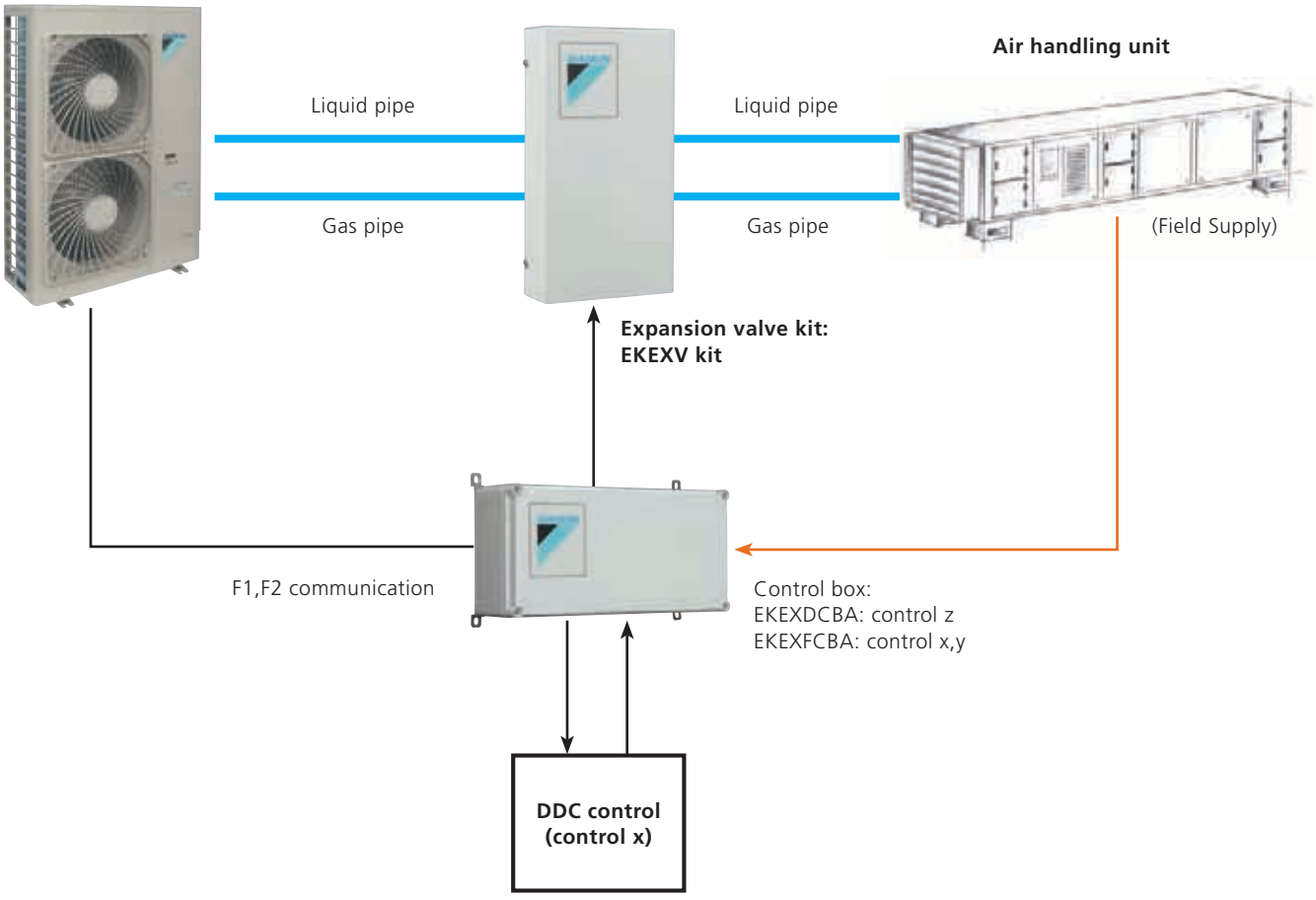
FXMQ-MFV1						
Indoor Units				**FXMQ125MFV1**	**FXMQ200MFV1**	**FXMQ250MFV1**
Capacity	Cooling		kw	14.0	22.4	28.00
	Heating		kw	8.9	13.9	17.40
Power input	Cooling		kw	0.359	0.548	0.638
	Heating		kw	0.359	0.548	0.638
Dimensions	(Height x Width x Depth)		mm	470x744x1100	470x1380x1100	
Weight			kg	86	123	
Air Flow Rate	Cooling	Medium	m³/min	18.0	28.0	35.0
	Heating	Medium	m³/min	18.0	28.0	35.0
Power Supply				220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	9.5 / 15.9 / PS1B	9.5 / 19.1 / PS1B	9.5 / 22.2 / PS1B

ERX

Condensing Units for Air Handling Applications (pair)

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

- R-410A
- Inverter controlled cooling only units
- Large capacity range (from 71 to 250 class)
- Ventilation and air conditioning in 1 solution
- EKEXV-kit and control boxes are designed for outdoor installation and can be wall mounted
- Per EKEXV-kit/control box, only 1 air handling unit coil can be connected
- Outdoor unit operation range: -5°CDB ~ -43°CDB
- Air handling unit operation range: 14°CWB ~ 35°CDB
- Flexible control possibilities:
  - 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)
- Wide range of expansion valve kits available



COOLING ONLY						
Outdoor unit				**ERX100A9V1**	**ERX125A9V1**	**ERX140A9V1**
Cooling capacity			kW	11.8	14.2	15.8
Power input			kW	3.52	4.33	4.98
EER				3.35	3.28	3.17
Dimensions		HxWxD	mm	1,345x900x320		
Weight			kg	120		
Sound pressure level	cooling	nominal	dB(A)	50	51	53
Sound power level	cooling	nominal	dB(A)	66	67	69
Operation range	cooling	min-max	°CDB	-5 ~ 46		
Refrigerant type				R-410A		
Piping connections		liquid	mm	ø9.52		
		gas	mm	ø15.9		ø19.1
		drain	mm	ø26x3		
Piping length		max	m	50		
Power supply			V3	1 ~, 220-240V, 50Hz		

COOLING ONLY						
Outdoor unit				**ERX125AW1**	**ERX200AW1**	**ERX250AW1**
Cooling capacity			kW	14.0	22.4	28.0
Power input			kW	3.52	5.56	7.42
EER				3.98	4.03	3.77
Casing	Colour			Daikin White		
	Material			Painted galvanized steel plate		
Dimensions	Unit	HxWxD	mm	1680x635x765	1680x930x765	1680x930x765
Weight	Unit		kg	157	185	238
Operation Range	Cooling	Min ~ Max	°CDB	-5.0 ~ 43.0	-5.0 ~ 43.0	-5.0 ~ 43.0
Sound level (nominal)	Sound power		dB(A)	72	78	78
	Sound pressure		dB(A)	54	57	58
Refrigerant	Type			R-410A	R-410A	R-410A
Piping Connections	Liquid	Diameter (OD)	mm	9.52	9.52	9.52
	Gas	Diameter (OD)	mm	15.9	19.1	22.2
Power Supply			W1	3N~, 50Hz, 400V		

COMBINATION TABLE											
Outdoor unit		**Control box**		**Expansion valve kit**							**Options**
		control z	**control x or y**	**class 63**	**class 80**	**class 100**	**class 125**	**class 140**	**class 200**	**class 250**	**Central drain kit**
		EKEXDCBA	**EKEXFCBA**	**EKEXV63**	**EKEXV80**	**EKEXV100**	**EKEXV125**	**EKEXV140**	**EKEXV200**	**EKEXV250**	**KKPJ5F180**
1ph	ERX100A9V1	P	P	P	P	P	P	-	-	-	X
	ERX125A9V1	P	P	P	P	P	P	P	-	-	X
	ERX140A9V1	P	P	-	P	P	P	P	-	-	X
3ph	ERX125AW1	-	-	P	P	P	P	P	-	-	-
	ERX200AW1	P	P	-	-	P	P	P	P	P	-
	ERX250AW1	P	P	-	-	-	P	P	P	P	-

P: Pair: Combination depending on air handling units coils volume.
x: Possibility to connect.

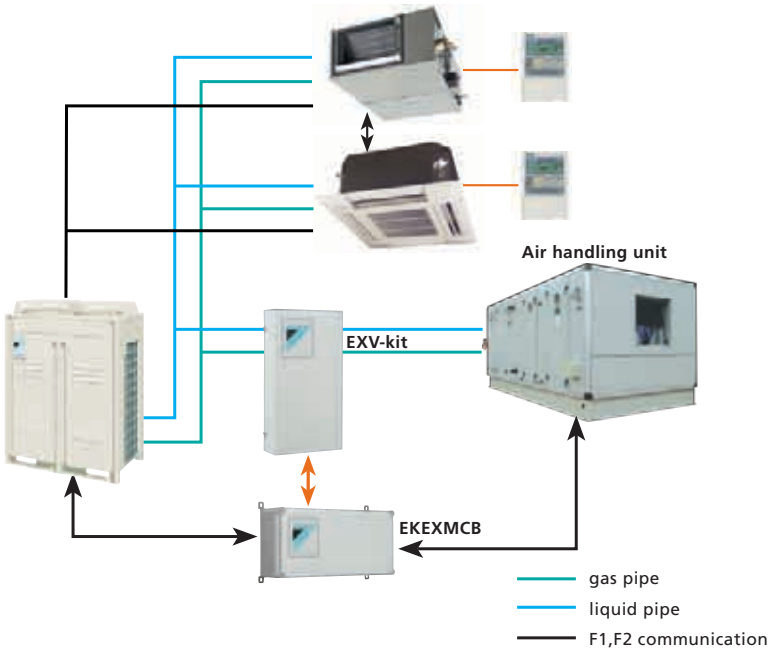
NOTE: From 1st April 2009, the ERX will be replaced by the ERQ Heat Pump

VRV®

Air Handling Applications

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

- Inverter controlled units
- Large capacity range (from 5 to 18HP)
- Cooling only and heat pump
- R-410A
- Control z:
  control of air temperature (suction temperature, room temperature) via Daikin control (no DDC controller needed)
- Large range of expansion valve kits available
- BRC1D52 is used to set the set point temperature (connected to the EKEXMCB).



Outdoor Unit

RXYQ-P(A)/P8				5	8	10	12	14	16	18
Capacity range			HP	5	8	10	12	14	16	18
Capacity	Cooling		kW	14.0	22.4	28.0	33.5	40.0	45.0	49.0
Power Input	Cooling		kW	3.52	5.56	7.42	9.62	12.4	14.2	16.2
Dimensions	(Height x Width x Depth)		mm	1,680x635x765	1,680x930x765			1,680x1,240x765		
Weight			kg	157	185	238		315		323
Sound Level	Sound Power	Cooling	dBA	72	78		80			83
	Sound	Cooling	dBA	54	57	58	60			63
Air Flow Rate (Nominal) at 230V)	Cooling		m^3/min	95	171	185	196	233		239
Operation Range	Cooling	Min~Max	°CDB	-5.0~43.0						
Refrigerant				R-410A						
Power Supply				3N~/400V/50Hz						
Max n° of indoor units to be connected				8	13	16	19	23	26	29
Piping connections	Liquid (OD)/Gas		mm	9.5 / 15.9	9.5 / 19.1	9.5 / 22.2	12.7 / 22.2	12.7 / 28.6		15.9 / 28.6

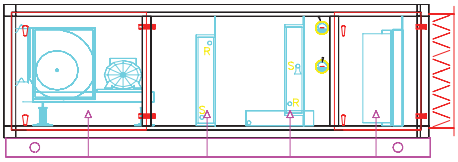
Combination Table

Outdoor units		Control box	Expansion valve kit							
		control z	class 50	class 63	class 80	class 100	class 125	class 140	class 200	class 250
		EKEXMCB	EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250
	RXYQ5P	X	X	X	X	X	X	X	X	X
	RXYQ8P8	X	X	X	X	X	X	X	X	X
	RXYQ10P	X	X	X	X	X	X	X	X	X
3ph	RXYQ12P	X	X	X	X	X	X	X	X	X
	RXYQ14PA	X	X	X	X	X	X	X	X	X
	RXYQ16PA	X	X	X	X	X	X	X	X	X
	RXYQ18PA	X	X	X	X	X	X	X	X	X

VAP(W)-L
Air Handling Units

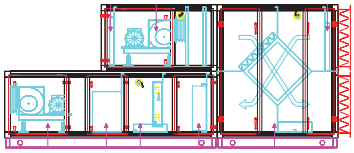
Air Handling Units
The Daikin range has 5 air flow volumes from 1750 m3/hr (0.48 m/3s) to 9000 m/3hr (2.54 m/3s) all capable of 250 pa external static.

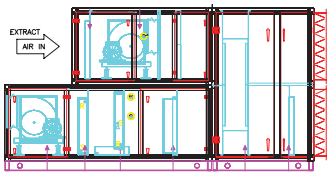
They can be broken down into 3 distinct groups all of which are available in both Internally mounted plant room - VAP and externally mounted weatherproofed types - VAW.



The range VAP/WLA-D is a straight forward supply only unit
- Type A with heating by LTHW, Type B with heating by Electric, Type C with heating by LTHW & DX cooling, Type D with heating by Electric & DX cooling,

The range VAP/WLE-H is a Supply & Extract with a Heat cube plate heat exchanger which recovers sensible heat thus reducing energy
- Type E Heat Cube with heating by LTHW, Type F Heat Cube with heating by Electric, Type G Heat Cube with heating by LTHW & DX cooling, Type H Heat Cube with heating by Electric & DX cooling,





The range VAP/WLI-L is a Supply & Extract with a Thermal Wheel heat exchanger which recovers sensible heat thus reducing energy
- Type I Thermal Wheel with heating by LTHW, Type J Thermal Wheel with heating by Electric, Type K Thermal Wheel with heating by LTHW & DX cooling, Type L Thermal Wheel with heating by Electric & DX cooling.

Capacity Conditions
The heating conditions are based on Airside - 5°C db on and 20°C db off, LTHW on 82°C & off @ 71°C
The cooling conditions are based on Airside on coil 32°C db / 22°C wb, off @ 22°C db & 18°C wb using R410A @ 6°C Evaporating

Notes
Units come as standard with left hand connections (in direction of airflow) but right hand are available at no extra charge. Filtration - All models with heating coils have G4 (panel) Class filtration all units with heating & cooling coils have G4 (panel) + F6 (bag) Class filtration.

The larger internal units are delivered in a number of sections which will assist in getting these units into plant room areas the number of sections are shown on the following pages (indicated as shipped in pcs) further details are shown on the General Arrangement drawings. These units will need bolting together on site (by others).

The noise levels shown are Sound power levels (dbA) at source you should note that the models with supply and extract fans (models E to L) may have different noise levels which is why they are shown separately.

For further details please refer to the Technical Manual, Data Sheets or General Arrangement drawings.

Type	Fan	Damper	Filter – G4 Panel	Filter - F6 Bag Rigid	Heating		Cooling DX R410A	Recoup	Wheel
					LTHW	Electric			
A	✓	✓	✓		✓				
B	✓	✓	✓			✓			
C	✓	✓	✓	✓	✓		✓		
D	✓	✓	✓	✓		✓	✓		
E	✓	✓	✓		✓			✓	
F	✓	✓	✓			✓		✓	
G	✓	✓	✓	✓	✓		✓	✓	
H	✓	✓	✓	✓		✓	✓	✓	
I	✓	✓	✓		✓				✓
J	✓	✓	✓			✓			✓
K	✓	✓	✓		✓		✓		✓
L	✓	✓	✓	✓		✓	✓		✓

Specification Tables Types A, B, C

VAP-L

Internally Mounted Air Handling Unit			Complete with LPHW heating coil Type A				
			VAPLA1750AW	VAPLA3000AW	VAPLA4000AW	VAPLA7000AW	VAPLA9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	1400	1630	1480	1830	1630
	Height	mm	790	890	890	1190	1190
	Width	mm	654	754	1054	1054	1354
Weight	Dry	kg	126	170	181	280	304
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	79.9	83.1	81.1	81.1	84.9
Capacity	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.75	1.1	1.1	2.2	3
	Run Current	A	1.79	2.5	2.5	4.59	6.19
	Start Current	A	12.26	17.5	17.5	35.8	46.42

Internally Mounted Air Handling Unit			Complete with Electric heating coil Type B				
			VAPLB1750AW	VAPLB3000AW	VAPLB4000AW	VAPLB7000AW	VAPLB9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2030	2030	2080	2380	2200
	Height	mm	790	890	890	1190	1190
	Width	mm	654	754	1054	1054	1354
Weight	Dry	kg	133	178	191	290	319
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	79.8	82.9	80.9	81.1	84.8
Capacity	Heating	kW	15	24	36	60	82.5
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.75	1.1	1.1	2.2	3
	Run Current	A	2.05	2.5	2.5	4.59	6.19
	Start Current	A	11.1	17.5	17.5	35.8	46.43

Internally Mounted Air Handling Unit			Complete with LPHW heating coil & R410a DX Cooling coil Type C				
			VAPLC1750AW	VAPLC3000AW	VAPLC4000AW	VAPLC7000AW	VAPLC9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2330	2510	2560	2670	2810
	Height	mm	790	890	990	1190	1240
	Width	mm	754	854	954	1254	1354
Weight	Dry	kg	205	248	252	383	443
Shipped in		Pcs	1	2	2	2	2
Sound Power Level	Supply Fan	dB	82.2	81.6	82.5	85.9	86
Capacity	Cooling	kW	7.68	12.57	18.10	31.80	40.42
	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.55	1.1	1.5	2.2	3
	Run Current	A	1.27	2.31	3.05	4.28	6.2
	Start Current	A	8.84	17.09	24.1	35.52	46.5
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERX100AV	ERX100AV	ERX140AV	T.B.A	2 x ERX200AV
Expansion Valve Kit			EKEXV80	EKEXV100	EKEXV140	T.B.A	2 x EKEXV200
Control box option			EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3

Specification Tables Types D, E, F

VAP-L

Internally Mounted Air Handling Unit			Complete with Electric heating coil & R410a DX Cooling coil Type D				
			VAPLD1750AW	VAPLD3000AW	VAPLD4000AW	VAPLD7000AW	VAPLD9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2440	2600	2630	2820	2970
	Height	mm	790	890	990	1190	1240
	Width	mm	754	854	954	1254	1354
Weight	Dry	kg	214	259	297	395	458
Shipped in		Pcs	1	2	2	2	2
Sound Power Level	Supply Fan	dB	82	81.5	82.3	85.9	85.9
Capacity	Cooling	kW	7.68	12.57	18.10	31.80	40.42
	Heating	kW	15	24	36	60	82.5
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.55	1.1	1.5	2.2	3
	Run Current	A	1.27	2.31	3.05	4.28	6.19
	Start Current	A	8.84	17.01	24.1	35.52	46.43
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERX100AV	ERX100AV	ERX140AV	T.B.A	2 x ERX200AV
Expansion Valve Kit			EKEXV80	EKEXV100	EKEXV140	T.B.A	2 x EKEXV200
Control box option			EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3

Internally Mounted Air Handling Unit			Heat Recovery (Plate Heat Exchanger) Complete with LPHW heating coil Type E				
			VAPLE1750AW	VAPLE3000AW	VAPLE4000AW	VAPLE7000AW	VAPLE9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2580	2780	2630	3280	3010
	Height	mm	1480	1680	1680	2280	2280
	Width	mm	654	754	1054	1054	1354
Weight	Dry	kg	538	548	616	810	910
Shipped in		Pcs	3	3	3	3	3
Sound Power Level	Supply Fan	dB	82.3	85.2	83.5	82.9	86.5
	Return Fan	dB	82.1	85.1	83.4	82.8	86.5
Capacity	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	1.1	1.5	1.5	3	4
	Run Current	A	2.31	3.19	3.19	6.19	7.81
	Start Current	A	17.09	22.6	22.6	46.42	56.23
	Return Fan	kW	1.1	1.1	1.5	3	4
	Run Current	A	2.31	2.5	3.19	6.19	7.81
	Start Current	A	17.09	17.5	22.6	46.42	56.23

Internally Mounted Air Handling Unit			Heat Recovery (Plate Heat Exchanger) Complete with Electric heating coil Type F				
			VAPLF1750AW	VAPLF3000AW	VAPLF4000AW	VAPLF7000AW	VAPLF9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2580	2780	2730	3280	3060
	Height	mm	1480	1680	1680	2280	2280
	Width	mm	654	754	1054	1054	1354
Weight	Dry	kg	538	548	627	822	923
Shipped in		Pcs	3	3	3	3	3
Sound Power Level	Supply Fan	dB	82.1	85	83.3	82.6	86.4
	Return Fan	dB	82.1	85.1	83.4	82.8	86.5
Capacity	Heating	kW	15	24	36	60	82.5
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	1.1	1.5	1.5	3	4
	Run Current	A	2.31	3.19	3.19	6.19	7.81
	Start Current	A	17.09	22.65	22.65	46.43	56.23
	Return Fan	kW	1.1	1.1	1.5	3	4
	Run Current	A	2.31	2.5	3.19	6.19	7.81
	Start Current	A	17.09	17.5	22.65	46.43	56.23

Specification Tables Types G, H, I

VAP-L

Internally Mounted Air Handling Unit			Heat Recovery Plate Heat Exchanger LPHW heating & R410a DX Cooling				Type G
			VAPLG1750AW	VAPLG3000AW	VAPLG4000AW	VAPLG7000AW	VAPLG9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	3330	3650	3230	4480	4290
	Height	mm	1480	1680	1680	2280	2380
	Width	mm	754	854	1154	1254	1354
Weight	Dry	kg	503	603	659	990	1080
Shipped in		Pcs	3	3	3	4	4
Sound Power Level	Supply Fan	dB	82.6	83.6	87.4	87.2	87.2
	Return Fan	dB	82.1	85.1	83.7	82.7	86.5
Capacity	Cooling	kW	4.02	6.47	10.02	17.83	21.82
	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	0.75	1.1	2.2	3	4
	Run Current	A	1.79	2.31	4.28	5.6	7.81
	Start Current	A	12.28	17.09	35.52	40.88	56.23
	Return Fan	kW	1.1	1.1	1.5	3	4
	Run Current	A	2.5	2.5	3.19	6.19	7.81
	Start Current	A	17.5	17.5	22.65	46.53	56.23
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERX100AV	ERX100AV	ERX140AV	ERX250AW	ERX250AW
Expansion Valve Kit			EKEXV63	EKEXV100	EKEXV140	EKEXV250	EKEXV250
Control box option			EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3

Internally Mounted Air Handling Unit			Heat Recovery Plate Heat Exchanger Electric heating & R410a DX Cooling				Type H
			VAPLH1750AW	VAPLH3000AW	VAPLH4000AW	VAPLH7000AW	VAPLH9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	3580	3830	3480	4480	4340
	Height	mm	1480	1680	1680	2280	2380
	Width	mm	754	854	1154	1254	1354
Weight	Dry	kg	510	620	670	990	1080
Shipped in		Pcs	3	3	3	4	4
Sound Power Level	Supply Fan	dB	82	84.8	87.3	87.2	88.4
	Return Fan	dB	84	82.5	83.7	84.2	83.1
Capacity	Cooling	kW	4.02	6.47	10.02	17.83	21.82
	Heating	kW	15	24	36	60	82.5
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	0.75	1.1	2.2	3	4
	Run Current	A	1.79	2.31	4.28	6.19	7.11
	Start Current	A	12.28	17.09	26.96	46.42	50.48
	Return Fan	kW	1.1	1.1	1.5	3	3
	Run Current	A	2.5	2.5	3.19	6.19	6.19
	Start Current	A	17.5	17.5	22.6	46.42	46.53
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERX100AV	ERX100AV	ERX140AV	ERX250AW	ERX250AW
Expansion Valve Kit			EKEXV63	EKEXV100	EKEXV250	EKEXV250	EKEXV250
Control box option			EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3

Internally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) Complete with LPHW heating coil		Type I
			VAPLI4000AW	VAPLI7000AW	VAPLI9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	2630	2840	2960
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Dry	kg	649	826	997
Shipped in		Pcs	3	3	3
Sound Power Level	Supply Fan	dB	83.6	91.1	86.4
	Return Fan	dB	83.2	91.2	86.2
Capacity	Heating	kW	34.24	60	76.97
Filter	Grade		G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.6	46.43	56.23
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.6	46.43	56.23

Specification Tables Types J, K, L

VAP-L

Internally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) Complete with Electric heating coil Type J		
			VAPLJ4000AW	VAPLJ7000AW	VAPLJ9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	2630	2840	2960
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Dry	kg	649	872	997
Shipped in		Pcs	3	3	3
Sound Power Level	Supply Fan	dB	83.4	82.1	86.3
	Return Fan	dB	83.2	82	86.2
Capacity	Heating	kW	36	60	82.5
Filter	Grade		G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.65	46.43	56.23
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.65	46.43	56.23

Internally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) LPHW heating & R410a DX Cooling coil Type K		
			VAPLK4000AW	VAPLK7000AW	VAPLK9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	3330	3540	3610
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Dry	kg	649	948	1065
Shipped in		Pcs	3	3	4
Sound Power Level	Supply Fan	dB	87.3	86.9	91.2
	Return Fan	dB	83.2	82	86.2
Capacity	Cooling	kW	5.15	9.02	11.6
	Heating	kW	34.24	60	76.97
Filter	Grade		F6 + G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	2.2	3	4
	Run Current	A	4.28	5.6	7.11
	Start Current	A	35.52	40.88	50.48
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.6	46.43	56.23
			Recommendation for connection to Daikin condensing units		
Condensing Unit			ERX100AV	ERX125AV/W	ERX140AW
Expansion Valve Kit			EKEXV63	EKEXV125	EKEXV140
Control box option			EKEX-----	EKEX-----	EKEX-----

Internally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) Electric heating & R410a DX Cooling coil Type L		
			VAPLL4000AW	VAPLL7000AW	VAPLL9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	3610	3680	3730
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Dry	kg	649	971	1065
Shipped in		Pcs	3	3	4
Sound Power Level	Supply Fan	dB	87.3	86.9	91.1
	Return Fan	dB	83.2	82	86.2
Capacity	Cooling	kW	5.15	9.02	11.6
	Heating	kW	36	60	82.5
Filter	Grade		F6 + G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	2.2	3	4
	Run Current	A	4.28	5.6	7.11
	Start Current	A	35.52	40.88	50.48
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.65	46.43	56.23
			Recommendation for connection to Daikin condensing units		
Condensing Unit			ERX100AV	ERX125AV/W	ERX140AW
Expansion Valve Kit			EKEXV63	EKEXV125	EKEXV140
Control box option			EKEX-----	EKEX-----	EKEX-----

Specification Tables Types A, B, C

VAW-L

Externally Mounted Air Handling Unit			Complete with LPHW heating coil Type A				
			VAWLA1750AW	VAWLA3000AW	VAWLA4000AW	VAWLA7000AW	VAWLA9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	1600	1670	1750	1900	1700
	Height	mm	790	890	890	1190	1190
	Width	mm	654	754	1054	1054	1354
Weight	Delivered Dry	kg	176	176	222	289	315
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	79.9	83.4	81.3	81.3	85
Capacity	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.75	1.1	1.5	2.2	3
	Run Current	A	2.06	2.5	3.19	4.59	6.19
	Start Current	A	11.1	17.5	22.6	35.8	46.42

Externally Mounted Air Handling Unit			Complete with Electric heating coil Type B				
			VAWLB1750AW	VAWLB3000AW	VAWLB4000AW	VAWLB7000AW	VAWLB9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2070	2130	2090	2380	2310
	Height	mm	790	890	890	1190	1190
	Width	mm	654	754	1054	1054	1354
Weight	Delivered Dry	kg	137	182	203	289	330
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	80.2	83.2	81.1	81.1	84.9
Capacity	Heating	kW	15	24	36	60	82.5
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.75	1.1	1.1	2.2	3
	Run Current	A	2.06	2.5	2.5	4.59	6.19
	Start Current	A	11.1	17.5	17.5	35.8	46.42

Externally Mounted Air Handling Unit			Complete with LPHW heating coil & R410a DX Cooling coil Type C				
			VAWLC1750AW	VAWLC3000AW	VAWLC4000AW	VAWLC7000AW	VAWLC9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2350	2400	2400	2550	2700
	Height	mm	790	890	990	1190	1240
	Width	mm	754	854	954	1254	1354
Weight	Delivered Dry	kg	213	252	290	385	447
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	82.3	81.8	82.6	86	86.1
Capacity	Cooling	kW	7.68	12.57	18.10	31.80	40.42
	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.55	1.1	1.5	2.2	3
	Run Current	A	1.27	2.31	3.05	4.28	6.19
	Start Current	A	8.84	17.09	24.1	35.52	46.43
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERX100AV	ERX100AV	ERX140AV	T.B.A	2 x ERX200AV
Expansion Valve Kit			EKEXV80	EKEXV100	EKEXV140	T.B.A	2 x EKEXV200
Control box option			EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3

Specification Tables Types D, E, F

VAW-L

Externally Mounted Air Handling Unit			Complete with Electric heating coil & R410a DX Cooling coil Type D				
			VAWLD1750AW	VAWLD3000AW	VAWLD4000AW	VAWLD7000AW	VAWLD9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2560	2630	2680	2850	2980
	Height	mm	790	890	990	1190	1240
	Width	mm	754	854	954	1254	1354
Weight	Delivered Dry	kg	219	259	298	385	447
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	82.2	81.7	82.5	86	86
Capacity	Cooling	kW	7.68	12.57	18.10	31.80	40.42
	Heating	kW	15	24	36	60	82.5
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Fan	kW	0.55	1.1	1.5	2.2	3
	Run Current	A	1.27	2.31	3.05	4.59	6.19
	Start Current	A	8.84	17.09	24.1	35.8	46.43
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERX100AV	ERX100AV	ERX140AV	T.B.A	2 x ERX200AV
Expansion Valve Kit			EKEXV80	EKEXV100	EKEXV140	T.B.A	2 x EKEXV200
Control box option			EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3

Externally Mounted Air Handling Unit			Heat Recovery (Plate Heat Exchanger) with LPHW heating coil Type E				
			VAWLE1750AW	VAWLE3000AW	VAWLE4000AW	VAWLE7000AW	VAWLE9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2550	2900	2750	3480	3130
	Height	mm	1480	1680	1680	2280	2280
	Width	mm	654	754	1054	1054	1354
Weight	Delivered Dry	kg	380	555	655	830	940
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	82.7	85.5	83.7	83.2	86.7
	Return Fan	dB	82.4	85.4	83.6	83	86.7
Capacity	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	1.1	1.5	2.2	3	4
	Run Current	A	2.31	3.19	4.59	6.19	7.81
	Start Current	A	17.09	22.33	35.6	46.42	56.23
	Return Fan	kW	1.1	1.5	1.5	3	4
	Run Current	A	2.31	3.19	3.19	6.19	7.81
	Start Current	A	17.09	22.65	22.6	46.42	56.23

Externally Mounted Air Handling Unit			Heat Recovery (Plate Heat Exchanger) with Electric heating coil Type F				
			VAWLF1750AW	VAWLF3000AW	VAWLF4000AW	VAWLF7000AW	VAWLF9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	2600	2900	2850	3400	3180
	Height	mm	1480	1680	1680	2280	2280
	Width	mm	654	754	1054	1054	1354
Weight	Delivered Dry	kg	382	570	645	850	960
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	82.5	85.3	83.5	82.9	86.6
	Return Fan	dB	82.4	85.4	90.1	83	86.7
Capacity	Heating	kW	15	24	36	60	82.5
Filter	Grade		G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	1.1	1.5	1.5	3	4
	Run Current	A	2.31	3.19	3.19	6.19	7.81
	Start Current	A	17.09	22.65	22.65	46.43	56.23
	Return Fan	kW	1.1	1.5	1.5	3	4
	Run Current	A	2.31	3.19	3.19	6.19	7.81
	Start Current	A	17.09	22.65	22.65	46.43	56.23

Specification Tables Types G, H, I

VAW-L

Externally Mounted Air Handling Unit			Heat Recovery Plate Heat Exchange LPHW heating & R410a DX Cooling				Type G
			VAWLG1750AW	VAWLG3000AW	VAWLG4000AW	VAWLG7000AW	VAWLG9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	3350	3750	3350	4350	4350
	Height	mm	1480	1680	1680	2280	2380
	Width	mm	754	854	1154	1254	1354
Weight	Delivered Dry	kg	522	630	683	1005	1105
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	84.2	83.8	87.5	87.3	87.3
	Return Fan	dB	82.5	85.3	83.8	82.9	86.7
Capacity	Cooling	kW	4.02	6.47	10.02	17.83	21.82
	Heating	kW	14.54	23.94	34.24	60	76.97
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	0.75	1.1	2.2	3	4
	Run Current	A	1.79	2.31	4.28	5.6	7.81
	Start Current	A	12.28	17.09	35.52	40.88	56.23
	Return Fan	kW	1.1	1.5	1.5	3	4
	Run Current	A	2.5	3.19	3.19	6.19	7.81
	Start Current	A	17.5	22.65	22.65	46.53	56.23
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERX100AV	ERX100AV	ERX140AV	ERX250AV	ERX250AV
Expansion Valve Kit			EKEXV63	EKEXV100	EKEXV140	EKEXV250	EKEXV250
Control box option			EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3

Externally Mounted Air Handling Unit			Heat Recovery Plate Heat Exchanger Electric heating & R410a DX Cooling				Type H
			VAWLH1750AW	VAWLH3000AW	VAWLH4000AW	VAWLH7000AW	VAWLH9000AW
Air flow		m3/hr	1750	3000	4000	7000	9000
External Static		pa	250				
Dimensions	Length	mm	3600	3950	3600	4450	4500
	Height	mm	1480	1680	1680	2280	2380
	Width	mm	754	854	1154	1254	1354
Weight	Delivered Dry	kg	525	640	695	1030	1220
Shipped in		Pcs	1	1	1	1	1
Sound Power Level	Supply Fan	dB	84.2	85	87.4	87.3	85.6
	Return Fan	dB	82.2	82.8	83.8	84.2	83.3
Capacity	Cooling	kW	4.02	6.47	10.02	17.83	21.82
	Heating	kW	15	24	36	60	82.5
Filter	Grade		F6 + G4				
Electrical Details	Power Supply	V	400				
		Hz	50				
		ph	3				
	Supply Fan	kW	0.75	1.5	2.2	3	4
	Run Current	A	1.79	3.05	4.28	6.19	7.81
	Start Current	A	12.28	24.01	26.96	46.42	56.23
	Return Fan	kW	1.1	1.1	1.5	3	4
	Run Current	A	2.5	2.5	3.19	6.19	7.81
	Start Current	A	17.5	17.5	22.6	46.42	56.23
			Recommendation for connection to Daikin condensing units				
Condensing Unit			ERX100AV	ERX100AV	ERX140AV	ERX250AV	ERX250AV
Expansion Valve Kit			EKEXV80	EKEXV100	EKEXV140	EKEXV250	EKEXV250
Control box option			EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3

Externally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) Complete with LPHW heating coil		Type I
			VAWLI4000AW	VAWLI7000AW	VAWLI9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	2650	2860	2980
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Delivered Dry	kg	705	930	1060
Shipped in		Pcs	1	1	1
Sound Power Level	Supply Fan	dB	83.8	82.4	86.5
	Return Fan	dB	83.3	82.1	86.3
Capacity	Heating	kW	34.24	60	76.97
Filter	Grade		G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	2.2	3	4
	Run Current	A	4.59	6.19	7.81
	Start Current	A	35.8	46.43	56.23
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.6	46.43	56.23

Specification Tables Types J, K, L

VAW-L

Externally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) Complete with Electric heating coil Type J		
			VAWLJ4000AW	VAWLJ7000AW	VAWLJ9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	2650	2860	2980
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Delivered Dry	kg	664	940	1070
Shipped in		Pcs	1	1	1
Sound Power Level	Supply Fan	dB	83.6	82.2	86.4
	Return Fan	dB	83.3	82.1	86.3
Capacity	Heating	kW	36	60	82.5
Filter	Grade		G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.6	46.43	56.23
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.6	46.43	56.23

Externally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) LPHW heating & R410a DX Cooling coil Type K		
			VAWLK4000AW	VAWLK7000AW	VAWLK9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	3350	2560	3630
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Delivered Dry	kg	758	992	1130
Shipped in		Pcs	1	1	1
Sound Power Level	Supply Fan	dB	87.5	87	91.2
	Return Fan	dB	83.3	82.1	86.3
Capacity	Cooling	kW	5.15	9.02	11.6
	Heating	kW	34.24	60	76.97
Filter	Grade		F6 + G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	2.2	3	4
	Run Current	A	4.28	5.6	7.11
	Start Current	A	35.52	40.88	50.48
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.6	46.43	56.23
			Recommendation for connection to Daikin condensing units		
Condensing Unit			ERX100AV	ERX125AV/W	ERX140AW
Expansion Valve Kit			EKEXV63	EKEXV125	EKEXV140
Control box option			EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3

Externally Mounted Air Handling Unit			Heat Recovery (Thermal Wheel) Electric heating & R410a DX Cooling coil Type L		
			VAWLL4000AW	VAWLL7000AW	VAWLL9000AW
Air flow		m3/hr	4000	7000	9000
External Static		pa	250		
Dimensions	Length	mm	3630	3700	3750
	Height	mm	1680	2080	2280
	Width	mm	1154	1354	1454
Weight	Delivered Dry	kg	762	971	1133
Shipped in		Pcs	1	1	1
Sound Power Level	Supply Fan	dB	87.4	86.9	91.2
	Return Fan	dB	83.3	82.1	86.3
Capacity	Cooling	kW	5.15	9.02	11.6
	Heating	kW	36	60	82.5
Filter	Grade		F6 + G4		
Electrical Details	Power Supply	V	400		
		Hz	50		
		ph	3		
	Supply Fan	kW	2.2	3	4
	Run Current	A	4.28	5.6	7.11
	Start Current	A	35.52	40.88	50.48
	Return Fan	kW	1.5	3	4
	Run Current	A	3.19	6.19	7.81
	Start Current	A	22.65	46.43	56.23
			Recommendation for connection to Daikin condensing units		
Condensing Unit			ERX100AV	ERX125AV/W	ERX140AW
Expansion Valve Kit			EKEXV63	EKEXV125	EKEXV140
Control box option			EKEXFCBAV3	EKEXFCBAV3	EKEXFCBAV3

In order to realise maximum efficiency, commercial air conditioning systems must be subject to precise, 24 hour control.

Daikin manufactures and markets a complete suite of advanced computerised central control and monitoring systems designed to simplify air conditioning management and reduce energy usage running costs.

Daikin computerised control systems not only provide the highly sophisticated regulation and day to day monitoring necessary for modern, hi tech air conditioning installations – they also provide owners, landlords and tenants of commercial buildings with valuable performance data on consumption as well as a wide range of operating parameters.

Dedicated Daikin central control can be applied to both VRV® and mixed VRV®/Sky Air and Split installations with up to 1,024 indoor units and can also be integrated with building management systems.

Control Systems

INDIVIDUAL CONTROL SYSTEMS


BRC1D52


BRC4*/BRC7*


BRC2C51


BRC3A61

BRC1D52

Wired remote control

- Limit operation (min/max): room temperature is controlled within adjustable upper and lower limits. Limit operation can be activated manually or by schedule timer
- Real time clock: indicates real time and day
- Schedule timer:
  - It is possible to programme a weekly schedule timer
  - It is possible to programme the remote control for each day of the week.
- Home Leave operation: in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- Different levels of user access can be selected as follows:
  - Level 1: all buttons are accessible
  - Level 2: all buttons are disabled except for: ON/OFF, set temperature up/down, fan speed, cooling/heating mode, enable/disable schedule timer, air flow direction adjustment button
  - Level 3: all buttons are disabled except for: ON/OFF, set temperature up/down, fan speed
- 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

Operation buttons: ON/OFF, timer mode start/stop, timer on/off, programmed time, temperature setting, air flow direction adjustment, operating mode selection, fan speed control, filter sign reset, inspection test/operation

Display: Operating mode, Heat Recovery Ventilation (HRV) in operation, cool/heat changeover control, centralised control indication, group control indication, set temperature, air flow direction, programmed time, inspection/test operation, fan speed, clean air filter, defrost/hot start, malfunction

BRC4*/BRC7*

Infrared remote control

Operation buttons: ON/OFF, timer mode start/stop, timer mode on/off, programme time, temperature setting, air flow direction (FXHQ, FXFQ, FXCQ and FXAQ models only), operating mode, fan speed control, filter sign reset, inspection / test indication

Display: Operating mode, battery change, set temperature, air flow direction (FXHQ, FXFQ, FXCQ and FXAQ models only), programmed time, inspection/test operation, fan speed

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

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

CENTRALISED CONTROL SYSTEMS

Centralised control of the 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

DCS301B51

DST301B51

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

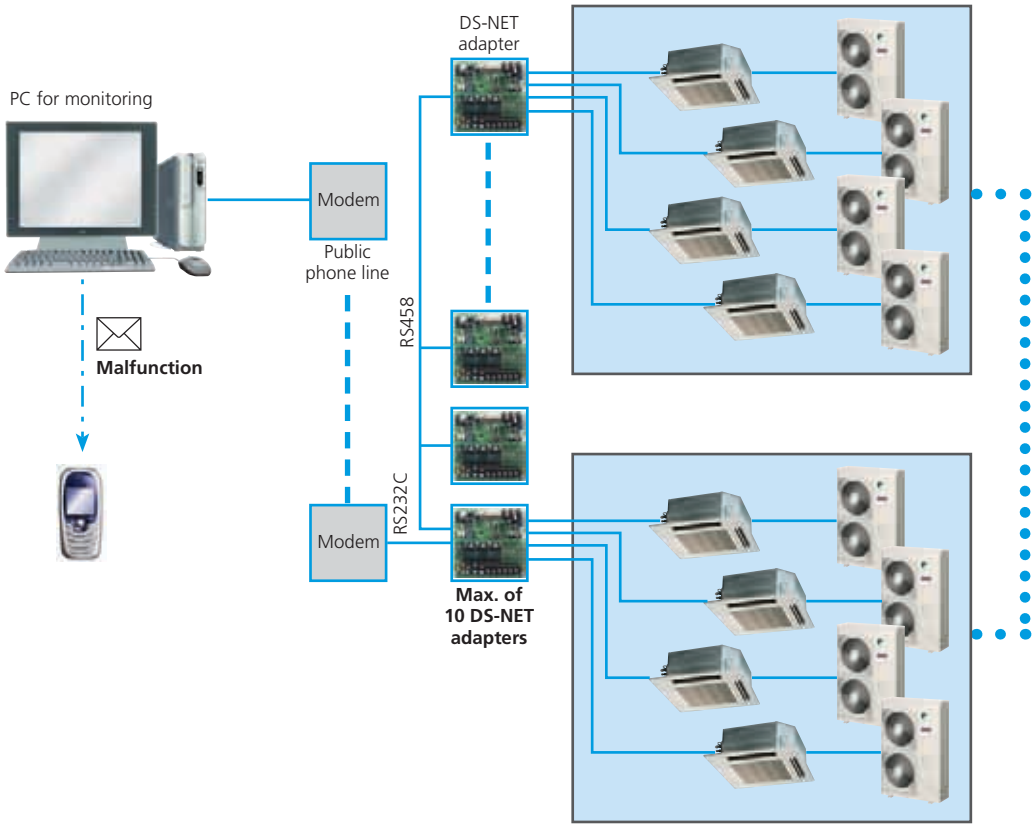
Enabling 64 groups to be programmed.

- 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)

NETWORK SOLUTIONS

DS-net

The ideal solution for control and management up to 2,000 Sky Air and/or VRV® indoor units



Application area

- A small commercial area of less than 40 indoor units.
- Critical applications for centralized monitoring.

System layout

- Allows monitoring and control of up to 50 stores or sites and 2,000 indoor units with just one modem and phone line.
- Automates daily air conditioning operation in order to free users from the hassle of air conditioning operation/management.
- The daily schedule setting allows automatic operation afterward.
- Automates alarm (report messages) for any malfunctions / errors. Immediate report of any indoor unit breakdown to the servicing company.
- Automatic report of breakdown/ malfunction information.
- Minimizes the inconvenience of not having air conditioning via rapid messages

Functions

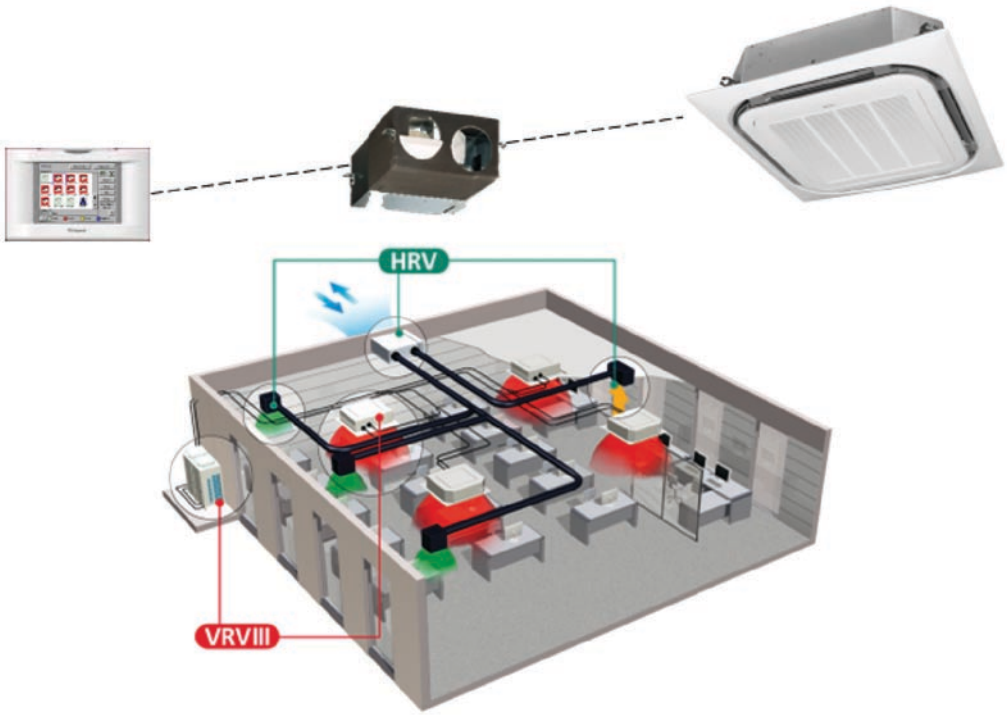
- Schedule setup (Daily schedule)
  - Start/Stop
- Air conditioning malfunction report
  - Send message to monitoring system
- Manual operation
  - Start/Stop, Set temperature, Operation mode, Fan speed
- Status monitoring (Start/Stop, Set temperature, Operation mode, Room temperature, Operation time, Error code)

Free Cooling function

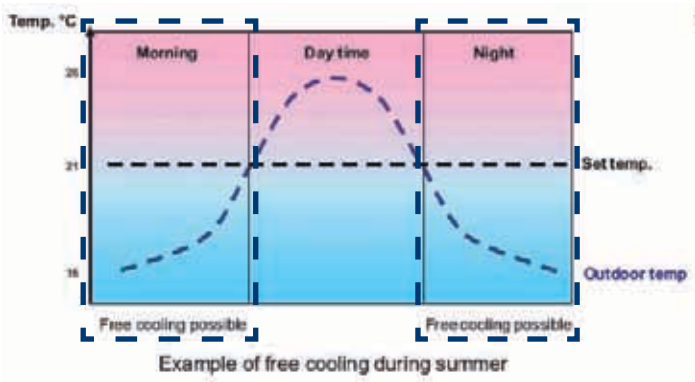
The combined application of the VRV system with VAM Heat Recovery Ventilation units can be greatly enhanced with the use of the Intelligent Touch Controller with it's optional software which can support free cooling interlock with the VAM units providing cooling whilst restricting the VRV Indoor Units whenever the external temperature is within free cooling limits.

Advantages

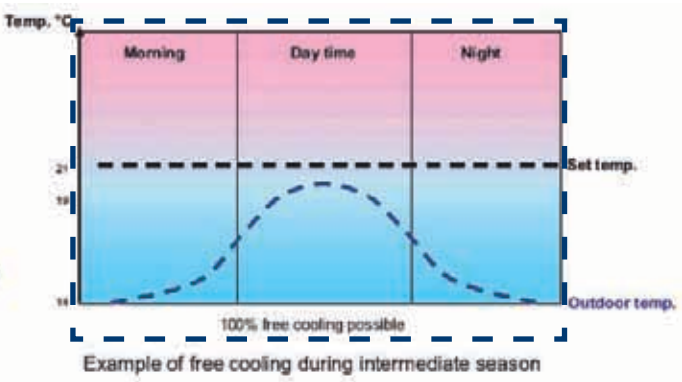
- Reduces the energy consumption and uses energy in a more efficient way, by directly introduction of fresh air into rooms.
- Maintains indoor comfort through the introduction of low temperature outdoor air.



Free cooling function is possible when the outdoor temperature is less than the indoor room temperature



Example of free cooling during summer



Example of free cooling during intermediate season

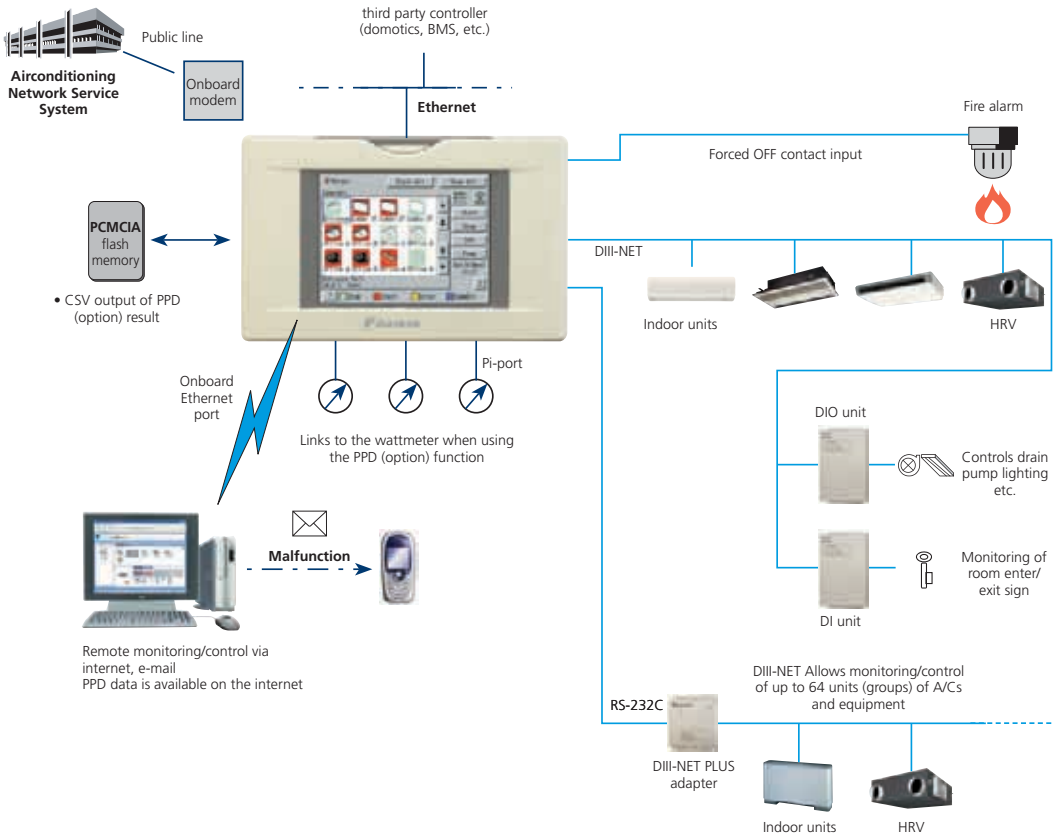
To perform this feature the Intelligent Touch Controller is required with the Free Cooling Software Update and also the use of the optional Outdoor Temperature Sensor Kit DAM101A51.

NEW

NETWORK SOLUTIONS

intelligent touch Controller

Allows detailed & easy monitoring and operation of VRV® systems (max. 2 X 64 groups/indoor units).



Languages

- English
- German
- Portuguese
- French
- Italian
- Spanish
- Dutch

System layout

- Up to 2 x 64 indoor units can be controlled
- Onboard Ethernet port (web browser + e-mail)
- Digital i/o contacts (option)
- Touch panel (full colour LCD via icon display)

Management

- Web application & internet compatibility
- Monitoring & control according to user
- Remote monitoring & control of more than one building
- Remote monitoring & control of more than one building via internet
- Power Proportional Distribution: PPD (option)
- PPD data is available on the internet
- Easy management of electricity consumption
- Enhanced history function

Control

- Individual control (set point, start/stop, fan speed) (max. 2 x 64 groups/indoor units)
- 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
- Set back schedule new

Monitoring

- Visualisation via Graphical User Interface (GUI)
- Icon colour display change function
- Indoor units operation mode
- Error messages via e-mail & mobile phone (option)
- Indication filter replacement
- Multi PC

Cost performance

- Free cooling function new
- 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

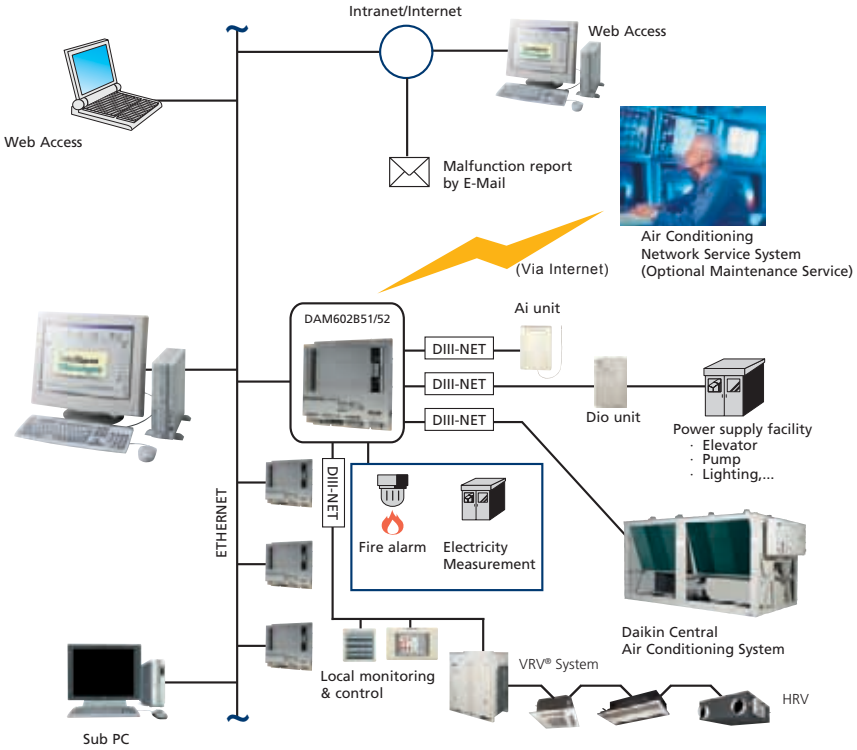
Connectable to:

- VRV®
- HRV
- Sky Air (via interface adapter)
- Split (via interface adapter)

NETWORK SOLUTIONS

intelligent Manager

The ideal solution for control and management of maximum 1,024 VRV® indoor units.



Languages
- English
- French
- German
- Italian
- Spanish
- Dutch
- Portuguese

System layout
- Up to 1,024 indoor units can be controlled (by 4 iPUs)
- Ethernet TCPIP / 10 base / T communication
- Integrated digital contacts on the Intelligent Processing Unit (iPU)
  · 20 general input ports
  · 2 digital outputs
- Stand alone operation of the iPU for minimum 48 hours
- Compatible with UPS shutdown software

Management
- Web access (option)
- Power Proportional Distribution (option)
- Operational history management (start/stop, malfunction, operation hours)
- Generation of reports (graphics & tables) (daily, weekly, monthly)
- Peak load shedding
- Advanced tenant management
- Sliding temperature
- Eco mode (option)
- Pre cooling and heating function new

Control
- Individual control (setpoint, start/stop, fan speed) (max. 1,024 indoor units)
- Group control (100 groups)
- Schedule control (128 programs)
- Fire emergency stop control (32 programs)
- Interlocking control
- Setpoint limitation
- Automatic cooling/heating change-over
- Power failure/release control
- Temperature limit (automatic start)
- Timer extension

Monitoring
- Visualisation via a Graphical User Interface (GUI) featuring free layout
- Operation mode of indoor units
- Fault indication
- Indication filter replacement
- Setpoint indication
- Operation time monitoring
- Multi PC
- On-line help

Cost performance
- Labour saving
- Easy installation
- Compact design: limited installation space
- Overall energy saving

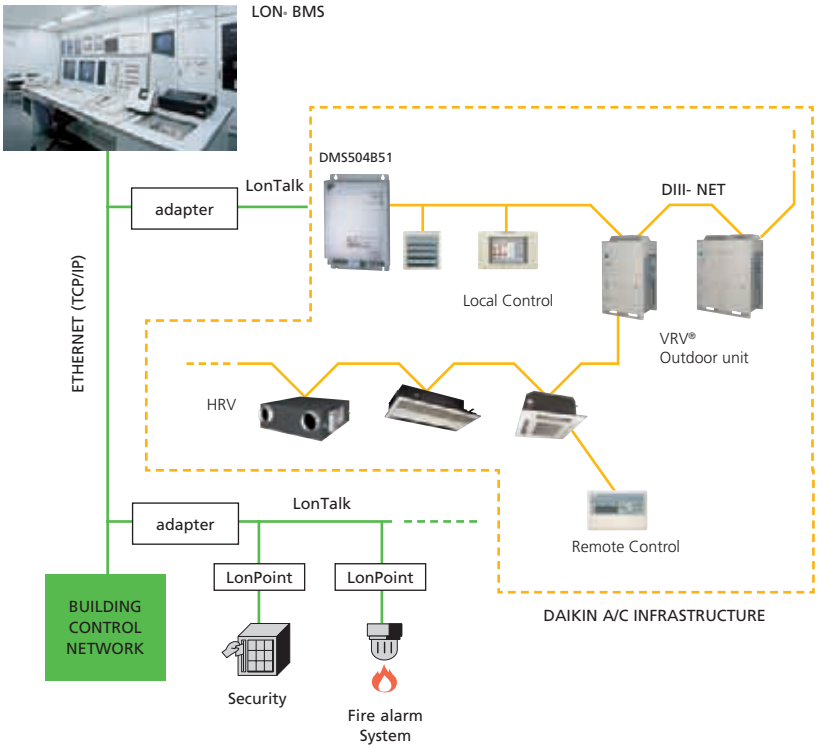
Connectable to:
- VRV®
- HRV
- Sky Air (via interface adapter)
- Split (via interface adapter)

NETWORK SOLUTIONS

DMS-IF

LonWorks® Networks Compatible Gateway

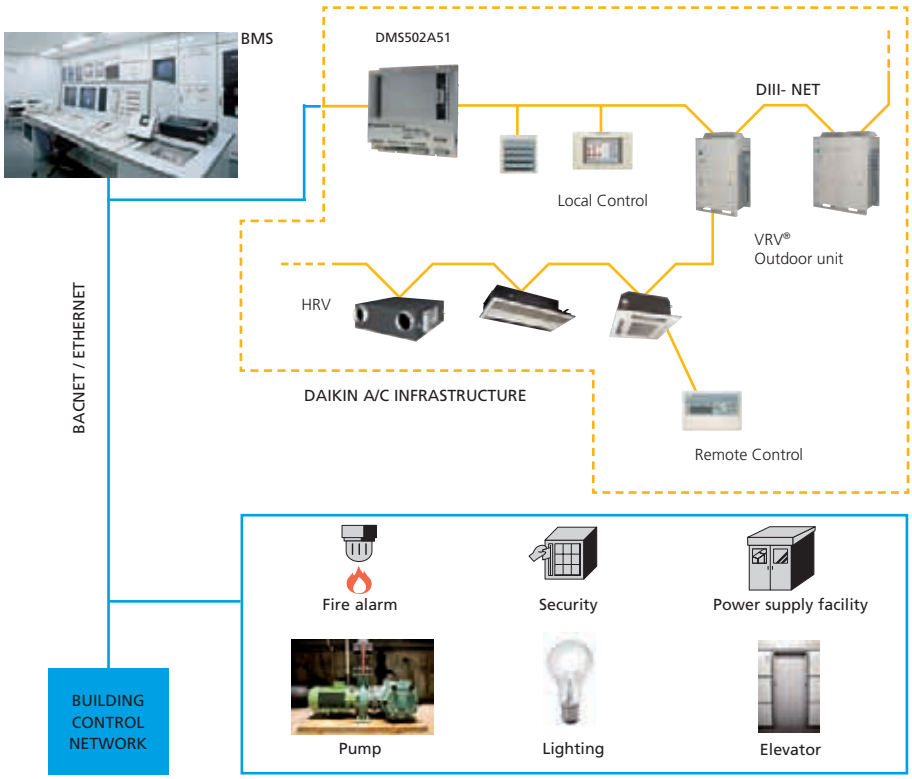
- Interface for Lon connection to LonWorks® networks
- Communication via Lon® protocol (twisted pair wire)
- 64 units connectable per DMS-IF
- Unlimited sitesize
- Quick and easy installation



BACnet Gateway

Integrated control system connecting VRV® system with BMS system

- PPDdata is available on BMS system
- Interface for BMS system
- Communication via BACnet protocol (connection via Ethernet)
- 256 units connectable per BACnet gateway
- Unlimited sitesize
- Easy and fast installation



Precise environmental control is vital in many industrial and commercial applications. Daikin offers an outstanding range of powerful air cooled, water cooled and condenserless chiller systems that will maintain ideal conditions in even the largest premises. Daikin water chillers are of advanced design, compact and easy to install and maintain.

They prove flexible and effective in multiple process cooling applications in for example, fish farms, wine cellars, maritime transport, agricultural, pharmaceutical or industrial processes. When combined with air handling units or Daikin fan coil units of course, they are ideal for air conditioning offices, hotels, restaurants and even domestic premises.

Matched and flexible equipment/refrigerant combinations enable Daikin to offer a complete range of chillers, genuinely optimised for use with R-134a, R-407C and R-410A. All chiller components -evaporator, condenser, dryer, oil etc - have been specially selected for use with either R-407C, R-410A or R-134a refrigerants. The end result is a range of hi tech, high performance units, indicated by published EUROVENT data to be among the most energy efficient of their type on the market.

Advanced technology allied unsurpassed product reliability and quality, make Daikin chillers the first choice for professionals.

Applied Systems

INVERTER

EWA(Y)Q-ACV3

Air Cooled

EWA(Y)Q005ACV3

BRC1D52

STRENGTHS

- Inverter chiller
- Extended range: new 009~011 sizes
- Optimised for use with R-410A
- Daikin swing compressor (005~007 sizes)
- Daikin scroll compressor (009~011 sizes)
- Integrated hydronics
- No buffer tank needed
- Advanced control possibilities
- Precise temperature control
- Single phase power supply
- PE treated condenser coil

OPTIONS

- Evaporator heater

AVAILABLE INPUT'S

- Remote on/off

COOLING ONLY				INVERTER					
				005	006	007	009	010	011
Capacity	Cooling		kW	5.2	6.0	7.1	8.5	9.5	11.0
Nominal input	Cooling		kW	1.89	2.35	2.95	2.99	3.37	4.14
EER				2.75	2.55	2.41	2.84	2.82	2.66
Dimensions	(Height x Width x Depth)		mm	805 x 1190 x 360			1420 x 1420 x 384		
Unit			kg	100			145		
Operating Weight			kg	104			160		
Water Heat Exchanger	Type			Brased plate			Brased plate		
	Minimum water volume in the system		l	10			TBC		
	Water flow rate	Min	l/min	12			TBC		
Air heat exchanger	Type			Tube type			Tube type		
Expansion vessel	Volume		l	6			10		
Sound Power		Cooling	dBA	62		63	64	64	64
Compressor	Type			Hermetically sealed swing compressor			Hermetically sealed scroll compressor		
	Model	Quantity		1			1		
Refrigerant circuit	Refrigerant type			R-410A			R-410A		
	Refrigerant charge		kg	1.7			<3		
	No of circuits			1			1		
	Refrigerant control			Inverter			Inverter		
Power Supply				1~/230V/50Hz			1~/230V/50Hz		
Piping connections	Water heat exchanger inlet / outlet			1" mbsp			TBC		
	Water heat exchanger drain			hose nipple 1/2" fbsp			TBC		

*** Note: grey cells contain preliminary data**

HEAT PUMP				INVERTER					
				005	006	007	009	010	011
Capacity	Cooling		kW	5.2	6.0	7.1	8.5	9.5	11.0
	Heating		kW	6.83	8.13	8.73	10.0	11.5	13.0
Nominal input	Cooling		kW	1.89	2.35	2.95	2.99	3.37	4.14
	Heating		kW	1.97	2.24	2.83	2.97	3.39	3.88
EER				2.75	2.55	2.41	2.84	2.82	2.66
COP				3.47	3.63	3.08	3.37	3.39	3.35
Dimensions	(Height x Width x Depth)		mm	805 x 1190 x 360			1420 x 1420 x 384		
Unit			kg	100			145		
Operating Weight			kg	104			160		
Water Heat Exchanger	Type			Brased plate			Brased plate		
	Minimum water volume in the system		l	10			TBC		
	Water flow rate	Min	l/min	12			TBC		
Air heat exchanger	Type			Tube type			Tube type		
Expansion vessel	Volume		l	6			10		
Sound		Cooling	dBA	62		63	64	64	64
Compressor	Type			Hermetically sealed swing compressor			Hermetically sealed scroll compressor		
	Model	Quantity		1			1		
Refrigerant circuit	Refrigerant type			R-410A			R-410A		
	Refrigerant charge		kg	1.7			<3		
	No of circuits			1			1		
	Refrigerant control			Inverter			Inverter		
Power Supply				1~/230V/50Hz			1~/230V/50Hz		
Piping connections	Water heat exchanger inlet / outlet			1" mbsp			TBC		
	Water heat exchanger drain			hose nipple 1/2" fbsp			TBC		

*** Note: grey cells contain preliminary data**

INVERTER

EWA(Y)Q-ACW1

Air Cooled

EWA(Y)Q009ACW1

BRC1D52

STRENGTHS

- Inverter chiller
- New 3 phase range from 9 to 13 kW
- Optimised for use with R-410A
- Daikin scroll compressor
- Integrated hydronics
- No buffer tank needed
- Advanced control possibilities
- Precise temperature control
- PE treated condenser coil

OPTIONS

- Evaporator heater

AVAILABLE INPUT'S

- Remote on/off

COOLING ONLY				INVERTER		
				009	011	013
Capacity	Cooling		kW	9.0	11.0	13.0
Nominal input	Cooling		kW	3.06	3.78	5.49
EER				2.94	2.91	2.37
Dimensions	(Height x Width x Depth)		mm	1420 x 1420 x 384		
Unit			kg	145		
Operating Weight			kg	160		
Water Heat Exchanger	Type			Brased plate		
	Minimum water volume in the system		l	TBC		
	Water flow rate	Min	l/min	TBC		
Air heat exchanger	Type			Tube type		
Expansion vessel	Volume		l	10		
			bar	1		
Sound Power		Cooling	dBA	64		69
Compressor	Type			Hermetically sealed scroll compressor		
	Model	Quantity		1		
Refrigerant circuit	Refrigerant type			R-410A		
	Refrigerant charge		kg	<3		
	No of circuits			1		
	Refrigerant control			Inverter		
Power Supply				3N~/400V/50Hz		
Piping connections	Water heat exchanger inlet / outlet			TBC		
	Water heat exchanger drain			TBC		

*** Note: grey cells contain preliminary data**

HEAT PUMP				INVERTER		
				009	011	013
Capacity	Cooling		kW	9.0	11.0	13.0
	Heating		kW	11.0	12.5	14.0
Nominal input	Cooling		kW	3.06	3.78	5.49
	Heating		kW	3.16	3.79	4.36
EER				2.94	2.91	2.37
COP				3.48	3.30	3.21
Dimensions	(Height x Width x Depth)		mm	1420 x 1420 x 384		
Unit			kg	145		
Operating Weight			kg	160		
Water Heat Exchanger	Type			Brased plate		
	Minimum water volume in the system		l	TBC		
	Water flow rate	Min	l/min	TBC		
Air heat exchanger	Type			Tube type		
Expansion vessel	Volume		l	10		
			bar	1		
Sound Power		Cooling	dBA	64		69
		Heating	dBA	64		66
Compressor	Type			Hermetically sealed scroll compressor		
	Model	Quantity		1		
Refrigerant circuit	Refrigerant type			R-410A		
	Refrigerant charge		kg	<3		
	No of circuits			1		
	Refrigerant control			Inverter		
Power Supply				3N~/400V/50Hz		
Piping connections	Water heat exchanger inlet / outlet			TBC		
	Water heat exchanger drain			TBC		

*** Note: grey cells contain preliminary data**

EUWA-KAZW

Air Cooled

EUWAN16KAZW

MICRO CHILLER

STRENGTHS

- Integrated hydraulic module (models B and P).
- Built-in buffer tank (model B).
- Daikin scroll compressor.
- Standard main isolator switch.
- Standard water flow switch.
- Standard filter (delivered as a kit with the unit).
- Operation down to -15°C ambient temperature.
- Standard reverse phase protection.
- Standard condenser protection grille.
- Freeze-up protection and prevention.
- PE treated condenser coil.

OPTIONS (factory mounted)

- Chilled water temperature down to - 5°C (OPZH) or -10°C (OPZL).
- High ESP fans (50Pa) (OPHF).
- Pump size up (OPHP).

ACCESSORIES (kit)

- Refrigerant pressure gauges.
- BMS gateway (MODBUS/J-BUS/BACNET protocol).
- Remote user interface.
- 200l buffer tank.
- Soft starter (single circuit).

CONTROL

- Microprocessor control.
- Water inlet temperature control.

AVAILABLE INPUTS / OUTPUTS

Input

- Remote ON/OFF.
- Pump contact.

Output

- Compressor operation.
- Pump relay contact.
- Summary alarm.

COOLING ONLY

				N5	P5	B5	N8	P8	B8	N10	P10	B10	N12	P12	B12	N16	P16	B16	N20	P20	B20	N24	P24	B24
Capacity	Cooling		kW	11.30			17.90			22.50			26.50			37.00			46.60			55.30		
Nominal input	Cooling		kW	4.64	4.52	4.64	7.39	7.38	7.39	8.74	8.79	8.74	11.50			15.00	15.20	15.00	17.90	18.10	17.90	24.00		
EER				2.44	2.5	2.44	2.42	2.43	2.42	2.57	2.56	2.57	2.3			2.47	2.43	2.47	2.6	2.57	2.6	2.3		
Capacity Steps			%	0-100						0-100						0-50-100						0-50-100		
Dimensions	(Height x Width x Depth)		mm	1,230x1,290x734						1,450x1,290x734						1,321x2,580x734			1,541x2,580x734			1,541x2,580x734		
Unit			kg	150	168	180	215	229	241	245	259	271	248	262	274	430	448	446	490	508	520	496	514	526
Operating Weight			kg	152	171	239	218	232	300	248	262	330	251	265	335	436	457	525	496	518	586	503	524	592
Water Heat Exchanger	Type			Brased plate																				
	Minimum water volume in the system		l	54			85			108			126			88			111			132		
	Water flow rate	Min	l/min	16			26			32			38			53			67			79		
		Nominal	l/min	32			51			64			76			106			134			158		
		Max	l/min	65			102			129			152			212			267			317		
Air heat exchanger	Type			Cross fin coil/Hi-X tubes and PE coated waffle louvre fins																				
Buffer tank volume	Volume		l	-		55	-		55	-		55	-		55	-		55	-		55	-		55
Sound Power		Cooling	dBA	67			76			78						79			81					
Compressor	Type			Hermetically sealed scroll compressor																				
	Model	Quantity		1												2								
Refrigerant circuit	Refrigerant type			R-407C																				
	Refrigerant charge		kg	3.9			4.6						6.0			4.6			5.9			6.0		
	No of circuits			1												2								
	Refrigerant control			Thermostatic expansion valve																				
Power Supply				3N~/400V/50Hz																				
Piping connections	Evaporator water inlet/outlet			1-1/4''15 mm												2''15 mm								

EUWY-KAZW
Air Cooled

EUWYN16KAZW

MICRO CHILLER

STRENGTHS
- **Integrated hydraulic module (models B and P).**
- Built-in buffer tank (model B).
- Daikin scroll compressor.
- Standard main isolator switch.
- Standard water flow switch.
- Standard filter (delivered as a kit with the unit).
- Operation down to -15°C ambient temperature.
- Standard reverse phase protection.
- Standard condenser protection grille.
- Freeze-up protection and prevention.
- PE treated condenser coil.

OPTIONS (factory mounted)
- Chilled water temperature down to - 5°C (OPZH) or -10°C (OPZL).
- High ESP fans (50Pa) (OPHF).
- Pump size up (OPHP).

ACCESSORIES (kit)
- Refrigerant pressure gauges.
- BMS gateway (MODBUS/J-BUS/BACNET protocol).
- Remote user interface.
- 200l buffer tank.
- Soft starter (single circuit).

CONTROL
- microprocessor control.
- Water inlet temperature control.

AVAILABLE INPUTS / OUTPUTS
Input
- Remote ON/OFF.
- Pump contact.
- Remote cool/heat selection.

Output
- Compressor operation.
- Summary alarm.
- Pump relay contact.

HEAT PUMP

				N5	P5	B5	N8	P8	B8	N10	P10	B10	N12	P12	B12	N16	P16	B16	N20	P20	B20	N24	P24	B24
Capacity	Cooling		kW	9.10			17.10			21.00			25.00			34.20			40.00			50.00		
	Heating		kW	11.90			18.50			24.00			27.00			37.00			46.00			54.00		
Nominal input	Cooling		kW	3.78			7.45	7.46		8.57			11.40			14.90			16.30			22.80		
	Heating		kW	4.59			7.10			9.10			10.80			14.20			17.40			21.60		
EER				2.41			2.3	2.29		2.45			2.19			2.3			2.45			2.19		
COP				2.59			2.61			2.64			2.5			2.61			2.64			2.5		
Capacity Steps			%	0-100												0-50-100								
Dimensions	(Height x Width x Depth)		mm	1,230x1,290x734						1,450x1,290x734						1,321x2,580x734			1,541x2,580x734					
Unit			kg	163	181	193	227	241	253	258	272	284	258	272	284	455	473	485	516	534	546	516	534	546
Operating Weight			kg	165	184	252	230	244	312	261	275	343	261	275	343	461	482	550	522	544	612	522	544	612
Water Heat Exchanger	Type			Brased plate																				
	Minimum water volume in the system		l	43			82			100			119			82			96			119		
	Water flow rate	Min	l/min	21			31			38			45			61			72			89		
		Max	l/min	68			106			137			155			212			263			309		
	Nominal Water Flow	Cooling	kPa	10			25			24			33			12						19		
		Heating	kPa	17			29			31			38			14			16			22		
Air heat exchanger	Type			Cross fin coil/Hi-X tubes and PE coated waffle louvre fins																				
Buffer tank volume	Volume		l	-		55	-		55	-		55	-		55	-		55	-		55	-		55
Sound Power		Cooling	dBA	67			76			78						79			81					
Compressor	Type			Hermetically sealed scroll compressor																				
	Model	Quantity		1												2								
Refrigerant circuit	Refrigerant type			R-407C																				
	Refrigerant charge		kg	4.6			4.7			5.4						10.2			10.8			11.2		
	No of circuits			1												2								
	Refrigerant control			Thermostatic expansion valve																				
Power Supply				3N~/400V/50Hz																				
Piping connections	Evaporator water inlet/outlet			1-1/4''15mm												2''15mm								

EWAQ-DAYN
Air Cooled

EWAQ130-150DAYN


PCASO

STRENGTHS
- Integrated hydraulic module
- Standard main isolator switch
- Standard water flow switch
- Filter
- Operation down to 0°C ambient temperature (-15°C with option inverter fans (OPIF))
- Standard reverse phase protection
- Freeze-up protection and prevention
- PE treated condenser coil
- R-410A refrigerant
- Multiple refrigerant circuits and multiple compressors per circuit
- Reliable and efficient scroll with high EER values
- Good part load efficiency (seasonal EER)
- Anti-corrosion treated aluminium coils
- Low operating noise levels
- 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
- Increased reliability via 2 independent refrigerant circuits
- Non hermetic filter/dryer
- New Daikin controller (Pcaso) with user friendly and powerful LCD interface

OPTIONS (factory mounted)
- Hydraulic module with single pump
- Hydraulic module with double pump
- Low noise
- Double pump
- Single / Double pump contactors
- Inverter fans
- Evaporator heater tape
- AV meter
- Service values
- Pressure relief valve
- Ultra-low operation outdoor temperature (-18°C)
- Condenser protection grilles
- Chilled water temperature down to -10°C (OPZL)

CONTROL
- Microprocessor control
- New Daikin controller (Pcaso) with user friendly and powerful LCD interface
- Water outlet temperature control
- Water inlet temperature control

AVAILABLE INPUTS / OUTPUTS
Input
- ON / OFF (per circuit)
- Dual setpoint
- Floating setpoint

Output
- Compressor operation
- Summary alarm (per circuit)
- Pump relay contact
- General operation

COOLING ONLY

				080	100	130	150	180	210	240	260
Capacity	Cooling		kW	80	105	131	152	182	209	236	254
Nominal input	Cooling		kW	26.4	36.2	46.6	56.3	64.5	74.6	82.8	94.0
EER				3.03	2.90	2.81	2.70	2.82	2.80	2.85	2.70
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
Dimensions	(Height x Width x Depth)		mm	2,311x2,000x2,566		2,311x2,000x2,631		2,311x2,000x3,081		2,311x2,000x4,850	
Unit			kg	1,350	1,400	1,500	1,550	1,800	1,850	3,150	3,250
Operating Weight			kg	1,315	1,415	1,517	1,569	1,825	1,877	3,189	3,292
Water Heat Exchanger	Type			Brased plate							
	Minimum water volume in the system		l	358	470	295	341	408	468	529	569
	Water flow rate	Min	l/min	115	151	188	218	261	300	339	364
		Max	l/min	459	602	754	871	1,043	1,198	1,355	1,456
	Nominal Water Flow	Cooling	kPa	59	58	52	49	52	53	51	47
Air heat exchanger	Type			Cross fin coil / Hi-Xss tubes and PE coated							
Sound Power		Cooling	dBA	86		88	89	90		91	
Compressor	Type			Scroll compressor							
	Model	Quantity		2		4		2	4	2	4
Refrigerant circuit	Refrigerant type			R-410A							
	Refrigerant charge		kg	33		19	25	29	28	39	
	No of circuits			1		2					
	Refrigerant control			Electronic expansion valve							
Power Supply				3~/400V/50Hz							
Piping connections	Water heat exchanger inlet / outlet			3"od						3"	
	Water heat exchanger drain			1/2"g							

EWYQ-DAYN
Air Cooled

EWYQ130-150DAYN


PCASO

STRENGTHS
- Integrated hydraulic module
- Standard main isolator switch
- Standard water flow switch
- Filter
- Operation down to 0°C ambient temperature (-15°C with option inverter fans (OPIF))
- Standard reverse phase protection
- Freeze-up protection and prevention
- PE treated condenser coil
- R-410A refrigerant
- Multiple refrigerant circuits and multiple compressors per circuit
- Reliable and efficient scroll with high EER values
- Good part load efficiency (seasonal EER)
- Anti-corrosion treated aluminium coils
- Low operating noise levels
- 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
- Increased reliability via 2 independent refrigerant circuits
- Non hermetic filter/dryer

OPTIONS (factory mounted)
- Hydraulic module with single pump
- Hydraulic module with double pump
- Low noise
- Double pump
- Single / Double pump contactors
- Inverter fans
- Evaporator heater tape
- AV meter
- Service values
- Pressure relief valve
- Ultra-low operation outdoor temperature (-18°C)
- Condenser protection grilles
- Chilled water temperature down to -10°C (OPZL)

CONTROL
- Microprocessor control
- New Daikin controller (Pcaso) with user friendly and powerful LCD interface
- Water outlet temperature control
- Water inlet temperature control

AVAILABLE INPUTS / OUTPUTS
Input
- ON / OFF (per circuit)
- Dual setpoint
- Floating setpoint

Output
- Compressor operation
- Summary alarm (per circuit)
- Pump relay contact
- General operation

HEAT PUMP

				080	100	130	150	180	210	230	250
Capacity	Cooling		kW	77	100	136	145	183	211	231	252
	Heating		kW	87.7	114	149	165	199	225	258	281
Nominal input	Cooling		kW	26.5	36.2	47.6	55.7	63.8	75.3	82.2	93.5
	Heating		kW	30.0	38.1	49.6	58.8	68.0	77.0	84.2	96.6
EER				2.91	2.76	2.86	2.6	2.87	2.8	2.81	2.70
COP				2.92	2.99	3	2.81	2.93	2.92	3.06	2.91
Capacity Steps			%	0-50-100		0-25-50-75-100		21/29-43/50/57-71/79-100	0-25-50-75-100	22/28-44/50/56-72/78-100	0-25-50-75-100
Dimensions	(Height x Width x Depth)		mm	2,311x2,000x2,566		2,311x2,000x2,631		2,311x2,000x3,081		2,311x2,000x4,850	
Unit			kg	1,400	1,450	1,550	1,600	1,850	1,900	3,200	3,300
Operating Weight			kg	1,415	1,465	1,567	1,619	1,875	1,927	3,239	3,342
Water Heat Exchanger	Type			Brased plate							
	Minimum water volume in the system		l	393	511	334	370	446	504	578	629
	Water flow rate	Min	l/min	110	143	195	208	262	302	331	361
		Max	l/min	503	654	854	946	1,141	1,290	1,479	1,611
	Nominal Water Flow	Cooling	kPa	36		43	38	41	44	39	38
Air heat exchanger	Type			Cross fin coil / Hi-Xss tubes and PE coated							
Sound Power		Cooling	dBA	86		88	89	90		91	
Compressor	Type			Scroll compressor							
	Model	Quantity		2		4		2	4	2	4
Refrigerant circuit	Refrigerant type			R-410A							
	Refrigerant charge		kg	33	37	22		32		39	
	No of circuits			1		2					
	Refrigerant control			Electronic expansion valve							
Power Supply				3~/400V/50Hz							
Piping connections	Water heat exchanger inlet / outlet			3"od						3"	
	Water heat exchanger drain			1/2"g							

EUWAC-FZW
Air Cooled

EUWAC8FZW1

MICRO CHILLER

STRENGTHS
- Daikin scroll compressor.
- Standard reverse phase protection.
- High static pressure (up to 150Pa).
- Operation down to -10°C ambient temperature.
- Pressure gauges.

OPTIONS (factory mounted)
- Chilled water temperature down to - 5°C (ZH) or -10°C (ZL).

ACCESSORIES (kit)
- Filter
- BMS gateway (MODBUS / J-BUS / BACNET protocol).
- Remote user interface.
- Hydraulic module.

CONTROL
- Microprocessor control.
- Water inlet temperature control.

AVAILABLE INPUTS / OUTPUTS
Input
- ON / OFF (per circuit).
- Pump / flow switch.

Output
- Compressor operation.
- Summary alarm.
- Pump relay contact.

COOLING ONLY						
				5	**8**	**10**
Capacity	Cooling		kW	11.60	18.40	23.80
Nominal input	Cooling		kW	5.25	7.78	9.85
EER				2.21	2.37	2.42
Capacity Steps			%	100-0		
Dimensions	(Height x Width x Depth)		mm	1,345x856x630	1,290x1,180x630	1,395x1,330x630
Unit			kg	164	224	261
Operating Weight			kg	166	228	266
Water Heat Exchanger	Type			Brased plate, one per circuit		
	Minimum water volume in the system		l	101	153	212
	Water flow rate	Min	l/min	16	23	28
		Nominal	l/min	33	53	68
		Max	l/min	64	92	112
Air heat exchanger	Type			Cross fin coil/Hi-X tubes and PE coated waffle louvre fins		
Sound Power		Cooling	dBA	63	66	69
Compressor	Type			Hermetically sealed scroll compressor		
	Model	Quantity		1		
Refrigerant circuit	Refrigerant type			R-407C		
	Refrigerant charge		kg	2.1	3.9	4.7
	No of circuits			1		
	Refrigerant control			Thermostatic expansion valve		
Power Supply				3N~/400V/50Hz		
Piping connections	Evaporator water inlet/outlet			fbsp 1"field installation		

EWAD-MBYN

Air Cooled

EWAD170MBYN

pCO²

STRENGTHS

- DAIKIN stepless single screw compressor.
- Operation down to -15°C ambient temperature.
- Standard reverse phase protection.
- Freeze-up protection and prevention.
- PE treated condenser coil.
- VICTAULIC joints.
- Standard discharge shut-off valve.
- DICN operation as standard within same series.
- Flow switch.
- Modular design.
- High energy efficiency ratio.

OPTIONS (factory mounted)

- Main isolator switch.
- Condenser protection grilles.
- Low noise (-5 to -7dB(A)).
- Compressor suction stop valve.
- Ampere & Voltmeter (read-out on switchbox).
- Chilled water temperature down to - 5°C (ZH) or -10°C (ZL).
- Hi-ESP fans.
- Dual pressure relief valve.

ACCESSORIES (kit)

- Leaving water control sensor for DICN.
- BMS gateway. (MODBUS/J-BUS/BACNET protocol).
- Remote user interface (EKRUPC).

CONTROL

- Microprocessor control.
- Water inlet or outlet temperature control.
- Leaving water control sensor for DICN.

AVAILABLE INPUTS / OUTPUTS

Input

- ON / OFF (per circuit).
- Dual setpoint.
- Pump / flow switch.

Output

- Compressor operation.
- Summary alarm (per circuit).
- Pump relay contact.

COOLING ONLY

				120	150	170	240	300	340	380	460	520	600
Capacity				121	149	171	226	286	330	372	449	525	605
Nominal input	Cooling		kW	41.1	54.1	64.9	83.7	105	136	130	170	210	263
EER				2.94	2.75	2.63	2.7	2.72	2.43	2.86	2.64	2.5	2.3
Capacity Steps			%	30-100			15-100						
Dimensions	(Height x Width x Depth)		mm	2,221x3,973x1,109			2,250x4,280x2,238			2,250x5,901x2,238			
Unit			kg	1,391	1,600	1,705	2,710	3,210	3,260	5,335	5,595	5,775	5,855
Operating Weight			kg	1,441	1,663	1,768	2,790	3,340	3,390	5,497	5,779	5,959	6,039
Water Heat Exchanger	Type			Shell and tube									
	Minimum water volume in the system		l	590	730	840	550	700	810	910	1,100	1,280	1,480
	Water flow rate	Min	l/min	150	200		300	395		540	640		870
		Max	l/min	490	725		930	1,165		1,580	1,880		
	Nominal Water Flow	Cooling	kPa	40.1	18.6	24.8	41	36.6	49.1	20.8	25.6	35.1	46.6
Air heat exchanger	Type			Cross fin coil/Hi-X tubes and PE coated waffle louvre fins									
Sound Power		Cooling	dBA	87	94	92	90	97	95	97	98	100	101
Compressor	Type			Semi-hermetic single screw compressor									
	Model	Quantity		1			2						
Refrigerant circuit	Refrigerant type			R-134a									
	Refrigerant charge		kg	26	37	42	30	41	44	65	70		
	No of circuits			1			2						
	Refrigerant control			Thermostatic expansion valve						Electronic expansion valve			
Power Supply				3~/400V/50Hz									
Piping connections	Evaporator water inlet/outlet			3" vic 1/2" g-f uni-iso 228/1	4'' victaulic coupling 1/2'' g-f uni-iso 228/1			5" victaulic coupling 1/2" g-f uni-iso 228/1		6'' victaulic coupling 1/2'' g-f uni-iso 228/1			

EWAD-AJYNN

Air Cooled

EWAD-AJYNN

pCO²

STRENGTHS

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 184–600kW
- Eurovent class A: EER up to 2,84
- 2 truly independent refrigerant circuits
- DX shell and tube evaporator – one pass
- Refrigerant side to minimize pressure drops
- Several operating sound levels down to 93dB

STANDARD AVAILABLE

- Glycol application
- Evaporator heater
- Suction stop valve
- Main switch

OPTIONS (factory mounted)

- Single pump
- Twin pump
- High ESP pump
- High ESP twin pump
- Total heat recovery
- Partial heat recovery
- Reduced noise (440-480-500-550-600) / Low noise
- Fan silent
- Low ambient
- Power factor 0.9
- Gauges
- Coil guards
- Soft starter (400-440-480-500-550-600)
- Blank CU/al coils
- Electronic expansion valve

ACCESSORIES

- Communication cards (EKAC200J – EKACBAC - EKACLON)
- Remote user interface (EKRUPCJ)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

COOLING ONLY

				190	200	230	260	280	300	320	340	360	400	440	480	500	550	600
Capacity	Cooling		kW	184.0	197.8	225.0	245.0	261.0	275.0	298.4	321.0	370.0	401.3	451.0	478.7	510.1	551.0	588.0
Nominal input	Cooling		kW	81.3	79.6	84.6	93.5	101.3	108.3	119.4	123.4	133.4	155.7	167.0	177.6	186.9	195.6	202.9
EER				2.26	2.48	2.66	2.62	2.58	2.54	2.50	2.60	2.77	2.58	2.70	2.69	2.73	2.82	2.90
Capacity Steps			%	12.5 - 100														
Dimensions	(Height x Width x Depth)		mm	2,340x2,235x2,240		2,340x2,235x3,140					2,340x2,235x4,040		2,340x2,235x3,140	2,340x2,235x4,040				
Unit			kg	2,380	2,466	2,766		2,806	2,846		3,166	3,186	3,552	3,932	3,997	4,052	4,092	4,122
Operating Weight			kg	2,405	2,497	2,859		2,896	2,936		3,279	3,299	3,680	4,102	4,161	4,216	4,252	4,282
Water Heat Exchanger	Type			Plate to plate heat exchanger		Shell and tube												
	Minimum water volume in the system		l	25	31	93		90			113		128	170	164		160	
	Water flow rate	Min	l/min	311	374	327	333	361	368		503	512	920.32	1,240.87	1,317.08	1,403.20	1,516.00	1,617.81
		Nominal	l/min	527	567	645	702	748	788	855	920	1,061	1,150.41	1,292.57	1,371.96	1,461.67	1,579.17	1,685.22
		Max	l/min	985	1,182	1,033	1,053	1,141	1,162	1,164	1,590	1,618	1,380.49	1,551.09	1,646.35	1,754.00	1,895.01	2,022.26
Air heat exchanger	Type			Grooved tubes and ALU coated louvred fins														
Sound Power		Cooling	dBA	75								77.5	76.5	77.0			78.5	79.0
Compressor	Type			Semi-hermetic single screw compressor														
	Model	Quantity		2		1	2	1	2	1	2		1	2	1	2	1	2
Refrigerant circuit	Refrigerant type			R-134a														
	Refrigerant charge		kg	44	60			70	80				70	80	78	76		
	No of circuits			2														
Power Supply				3~/400V/50Hz														
Piping connections	Evaporator water inlet/outlet			3''1/2'' gas		4''1/2'' gas							1/2'' gas					

EWAD-AJYNN/A

Air Cooled

EWAD-AJYNN/A

pCO²

STRENGTHS

- **High Efficiency**
- Eurovent class A: EER up to 3,21
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 247-626,6kW
- 2 truly independent refrigerant circuits
- DX shell and tube evaporator – one pass
- Refrigerant side to minimize pressure drops
- Several operating sound levels down to 96dB

STANDARD AVAILABLE

- Glycol application
- Evaporator heater
- Suction stop valve
- Main switch

OPTIONS (factory mounted)

- Single pump
- Twin pump
- High ESP pump
- High ESP twin pump
- Total heat recovery
- Partial heat recovery
- Fan silent
- Low ambient
- Power factor 0.9
- Low noise
- Gauges
- Coil guards
- Soft starter (500-550-600-650)
- Blank cu/al coils
- Electronic expansion valve

ACCESSORIES

- Communication cards (EKAC200J – EKACBAC - EKACLON)
- Remote user interface (EKRUPCJ)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

COOLING ONLY

				260	280	320	340	360	380	420	500	550	600	650
Capacity	Cooling		kW	247.0	275.0	301.5	327.0	351.0	376.0	401.0	501.4	531.5	582.2	626.6
Nominal input	Cooling		kW	79.2	87.3	94.2	103.8	112.8	120.2	127.5	160.6	170.9	183.5	195.4
EER				3.12	3.15	3.20	3.15	3.11	3.13	3.15	3.12	3.11	3.17	3.21
Capacity Steps			%	12.5 - 100										
Dimensions	(Height x Width x Depth)		mm	2,340x2,235x3,140	2,340x2,235x4,040							2,340x2,235x4,940		
Unit			kg	2,866	3,186	3,286	3,366	3,376	3,321	3,386	4,252	4,642	4,652	
Operating Weight			kg	2,959	3,299	3,399	3,530	3,535	3,480	3,545	4,515	4,905	4,908	
Water Heat Exchanger	Type			Shell and tube										
	Minimum water volume in the system		l	93	113		164	159			263		256	
	Water flow rate	Min	l/min	373	489	495	537	586	593	598	1,152.09	1,221.25	1,337.75	1,439.77
		Nominal	l/min	708	788	864	937	1,006	1,078	1,150	1,440.11	1,526.57	1,672.19	1,799.71
		Max	l/min	1,180	1,546	1,565	1,697	1,853	1,876	1,890	1,728.14	1,831.88	2,006.63	2,159.66
Air heat exchanger	Type			Grooved tubes and ALU coated louvred fins										
Sound Power		Cooling	dBA	77.5					80		79.0			
Compressor	Type			Semi-hermetic single screw compressor										
	Model	Quantity		2	1	2	1	2	1	2	1	2	1	2
Refrigerant circuit	Refrigerant type			R-134a										
	Refrigerant charge		kg	80		100	110		95	110	80	104		
	No of circuits			2										
Power Supply				3~/400V/50Hz										
Piping connections	Evaporator water inlet/outlet			4''1/2'' gas							1/2'' gas			

EWAD-AJYNN/Q

Air Cooled

EWAD-AJYNN/Q

pCO²

STRENGTHS

- **Standard efficiency extra low noise**
- Several operating sound levels down to 84dB
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 203–500,8kW
- Eurovent class A: EER up to 2,7
- 2 truly independent refrigerant circuits
- DX shell and tube evaporator – one pass
- Refrigerant side to minimize pressure drops

STANDARD AVAILABLE

- Glycol application
- Evaporator heater
- Suction stop valve
- Main switch

OPTIONS (factory mounted)

- Total heat recovery
- Partial heat recovery
- Fan silent
- Power factor 0.9
- Gauges
- Coil guards
- Soft starter (400-440-460-500)
- Blank cu/al coils
- Electronic expansion valve

ACCESSORIES

- Communication cards (EKAC200J – EKACBAC - EKACLON)
- Remote user interface (EKRUPCJ)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

COOLING ONLY

				210	240	260	280	300	320	340	400	440	460	500
Capacity	Cooling		kW	203.0	231.1	252.7	270.8	286.1	299.4	308.8	400.5	428.5	458.4	500.8
Nominal input	Cooling		kW	79.8	85.2	93.7	104.5	114.5	126.1	136.3	156.0	173.8	182.4	189.9
EER				2.54	2.71	2.70	2.59	2.50	2.37	2.27	2.57	2.47	2.51	2.64
Capacity Steps			%	12.5 - 100										
Dimensions	(Height x Width x Depth)		mm	2,340x2,235x3,140	2,340x2,235x4,040								2,340x2,235x4,940	
Unit			kg	3,046	3,366	3,466	3,546	3,556			3,567	3,722	3,912	3,972
Operating Weight			kg	3,136	3,479	3,579	3,710	3,715			3,737	3,892	4,076	4,136
Water Heat Exchanger	Type			Shell and tube										
	Minimum water volume in the system		l	90	113		164	159			170		164	
	Water flow rate	Min	l/min	364	474	483	518	566	572	571	918.27	982.47	1,051.02	1,148.24
		Nominal	l/min	582	662	724	776	820	858	885	1,147.84	1,228.09	1,313.78	1,435.30
		Max	l/min	1,152	1,500	1,527	1,637	1,790	1,809	1,807	1,377.41	1,473.70	1,576.54	1,722.36
Air heat exchanger	Type			Grooved tubes and ALU coated louvred fins										
Sound Power		Cooling	dBA	65									65.5	66.0
Compressor	Type			Semi-hermetic single screw compressor										
	Model	Quantity		2	1	2	1	2	1	2	1	2	1	2
Refrigerant circuit	Refrigerant type			R-134a										
	Refrigerant charge		kg	80		100	110				72	80	83	86
	No of circuits			2										
Power Supply				3~/400V/50Hz										
Piping connections	Evaporator water inlet/outlet			1/2'' gas										

EWAD-AJYNN/H

Air Cooled

EWAD-AJYNN/H

pCO²

STRENGTHS

- **High ambient**
- Up to 48°
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 194,6–600,4kW
- Eurovent class A: EER up to 3,10
- 2 truly independent refrigerant circuits
- DX shell and tube evaporator – one pass
- Refrigerant side to minimize pressure drops
- Several operating sound levels down to 96dB

STANDARD AVAILABLE

- Glycol application
- Evaporator heater
- Suction stop valve
- Main switch

OPTIONS (factory mounted)

- Single pump
- Twin pump
- High ESP pump
- High ESP twin pump
- Total heat recovery
- Partial heat recovery
- Fan silent
- Power factor 0.9
- Gauges
- Coil guards
- Soft starter (420-460-480-500-550-600)
- Blank cu/al coils
- Electronic expansion valve

ACCESSORIES

- Communication cards (EKAC200J – EKACBAC - EKACLON)
- Remote user interface (EKRUPCJ)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

COOLING ONLY

				200	210	240	260	280	300	320	340	400	420	460	480	500	550	600
Capacity	Cooling		kW	194.6	208.3	233.5	256.1	273.7	289.3	306.4	335.6	381.2	426.0	468.1	502.1	529.5	561.0	600.4
Nominal input	Cooling		kW	77.2	75.6	83.0	91.0	97.8	103.9	112.1	120.3	127.4	146.5	160.3	170.8	180.1	192.2	198.4
EER				2.52	2.76	2.81		2.80	2.78	2.73	2.79	2.99	2.91	2.92	2.94		2.92	3.03
Capacity Steps			%	12.5 - 100														
Dimensions	(Height x Width x Depth)		mm	2,340x2,235x2,240		2,340x2,235x3,140					2,340x2,235x4,040			2,340x2,235x4,940				
Unit			kg	2,380	2,466	2,766		2,806	2,846		3,166	3,186	3,942	4,202	4,277	4,332	4,392	4,402
Operating Weight			kg	2,405	2,497	2,859		2,896	2,936		3,279	3,299	4,112	4,372	4,441	4,496	4,552	4,562
Water Heat Exchanger	Type			Plate to plate heat exchanger		Shell and tube												
	Minimum water volume in the system		l	25	31	93		90			113		170		164		160	
	Water flow rate	Min	l/min	314	378	331	337	366	369	373	507	518	976.74	1,073.26	1,151.22	1,214.04	1,286.27	1,376.60
		Nominal	l/min	558	597	669	734	785	829	878	962	1,093	1,220.92	1,341.58	1,439.03	1,517.55	1,607.83	1,720.75
		Max	l/min	994	1,194	1,045	1,065	1,157	1,167	1,179	1,603	1,638	1,465.11	1,609.90	1,726.83	1,821.07	1,929.40	2,064.90
Air heat exchanger	Type			Grooved tubes and ALU coated louvred fins														
Sound Power		Cooling	dBA	-								80	77.0	77.5			79.0	79.5
Compressor	Type			Semi-hermetic single screw compressor														
	Model	Quantity		2		1	2	1	2	1	2		1	2	1	2	1	2
Refrigerant circuit	Refrigerant type			R-134a														
	Refrigerant charge		kg	44	60			70	80				76	86	95	104		
	No of circuits			2														
Power Supply				3~/400V/50Hz														
Piping connections	Evaporator water inlet/outlet			1/2'' gas														

INVERTER

EWYD-AJYNN

Air Cooled

EWYD-AJYNN

pCO²

STRENGTHS

- All models are PED pressure vessel approved
- Stepless single-screw inverter compressor
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass
- Excellent EER and COP values
- Extremely low operating noise during part load cycles
- No electric current surge
- Optimized defrost cycles
- Optimum ESEER values
- Power factor up to 0.95
- Substantial cost savings compared to a traditional gas boiler installation
- Twin independent refrigerating circuits ensure operational back up and unit reliability
- Anti corrosion treated coils

STANDARD AVAILABLE

- Glycol application
- Evaporator heater
- Main switch
- Electronic expansion valve

OPTIONS (factory mounted)

- Suction stop valve
- Single pump
- Twin pump
- Partial heat recovery
- Low noise
- Fan silent
- Low ambient
- Power factor 0.9
- Guages
- Coil guards
- Soft starter

ACCESSORIES

- Communication cards (EKAC200J – EKACLON)
- Bacnet gateway (EKBMSBNJ)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

HEAT PUMP				INVERTER						
				260	280	300	320	340	360	380
Capacity	Cooling		kW	255	275	298	321	343	368	385
	Heating		kW	274	306	330	341	361	397	412
Nominal input	Cooling		kW	89.8	99.3	108	116	123	132	142
	Heating		kW	89.5	99.1	108	117	123	131	139
EER				2.84	2.77	2.76	2.77	2.79		2.71
COP				3.06	3.09	3.06	2.91	2.93	3.03	2.96
Dimensions	(Height x Width x Depth)		mm	2,335x2,254x3,547			2,335x2,254x4,783			
Unit			kg	3,370			4,020			
Operating Weight			kg	3,500			4,150			
Water Heat Exchanger	Type			Shell and tube						
	Nominal Water Flow	Cooling	kPa	60	65	74	50	53	60	65
		Heating	kPa	69	79	90	56	58	69	74
Air heat exchanger	Type			Grooved tubes and ALU coated louvred fins						
Sound Power		Cooling	dBA	73.7			74.1			
		Heating	dBA	76.1			76.3			
Compressor	Type			Semi-hermetic single screw compressor						
	Model	Quantity		2						
Refrigerant circuit	Refrigerant type			R-134a						
	Refrigerant charge		kg	76		84	96	104		
	No of circuits			2						
Power Supply				3~/400V/50Hz						
Piping connections	Evaporator water inlet/outlet			5"						

EWAD-BJYNN

Air Cooled

EWAD-BJYNN

pCO²

STRENGTHS

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 640–1772kW
- EER range up to 2,93
- 2-3-4 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass
- Refrigerant side to minimize pressure drops
- Several operating sound levels down to 100dB

STANDARD AVAILABLE

- Glycol application
- Evaporator heater
- Main switch
- Electronic expansion valve

OPTIONS (factory mounted)

- Suction stop valve
- Single pump (650-700-750-850-900-950-10-11-12-13)
- Twin pump (650-700-750-850-900-950-10-11-12-13)
- Total heat recovery
- Partial heat recovery
- High ESP fans
- Reduced noise / Low noise
- Fan silent
- Low ambient
- Power factor 0.9
- A/V meter
- Gauges
- Coil guards
- Soft starter
- Blank cu/al coils

ACCESSORIES

- Communication cards (EKAC200J – EKACLON)
- Bacnet gateway (EKBMSBNJ)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

COOLING ONLY

				650	700	750	850	900	950	C10	C11	C12	C13	C14	C15	C16	C18
Capacity	Cooling		kW	640	700	761	817	886	988	1057	1109	1166	1226	1322	1520	1641	1772
Nominal input	Cooling		kW	233	250	271	290	302	358	372	396	417	435	452	540	580	604
EER				2.75	2.8	2.81	2.82	2.93	2.76	2.84	2.8		2.82	2.92	2.81	2.83	2.93
Capacity Steps			%	stepless 12.5 - 100					stepless 8.3 - 100						stepless 6,25 - 100		
Dimensions	(Height x Width x Depth)		mm	2,520x2,230x5,310		2,520x2,230x6,210			2,520x2,230x7,400	2,520x2,230x8,270		2,520x2,230x9,200			2,520x2,230x1000	2,520x2,230x11,900	
Unit			kg	4,910	4,990	5,256	5,480	5,580	7,550	7,830		8,420		8,570	9,552	10,632	10,832
Operating Weight			kg	5,130	5,200	5,520	5,734	5,834	7,970	8,250		8,830		8,980	10,024	11,140	11,340
Water Heat Exchanger	Type			Shell and tube													
	Minimum water volume in the system		l	254		246			415		402				254 + 246	246 + 246	
	Water flow rate	Min	l/min	960	962	840	844	1,136	1,011	1,015	1,408	1,406	1,412	1,413	1,867	1,684	2,295
		Nominal	l/min	1,834	2,007	2,182	2,343	2,540	2,832	3,029	3,180	3,341	3,515	3,791	4,359	4,704	5,081
		Max	l/min	3,035	3,043	2,655	2,670	3,593	3,197	3,210	4,453	4,445	4,464	4,467	5,904	5,327	7,258
Air heat exchanger	Type			Grooved tubes and ALU coated louvred fins													
Sound Power		Cooling	dBA	79		79.5		80	79		79.5			80	79.5		80
Compressor	Type			Semi-hermetic single screw compressor													
	Model	Quantity		1	2	1	2		3		1		3		2	4	
Refrigerant circuit	Refrigerant type			R-134a													
	Refrigerant charge		kg	99	108	118	128		153	162	172	182	192		236	256	
	No of circuits			2					3						4		
	Refrigerant control			Electronic expansion valve													
Power Supply				3~/400V/50Hz													
Piping connections	Evaporator water inlet/outlet			victaulic, diameter 168.3mm1/2'' gas					victaulic, diameter 219.1mm1/2'' gas						victaulic, diameter 168.3mm1/2'' gas		

EWAD-BJYNN/A

Air Cooled

EWAD-BJYNN/A

pCO²

STRENGTHS

- **High efficiency**
- EER range up to 3,32
- High ambient up to 48°(standard noise version)
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 667–1920kW
- 2-3-4 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass
- Refrigerant side to minimize pressure drops
- Several operating sound levels down to 100dB

STANDARD AVAILABLE

- Glycol application
- Evaporator heater
- Main switch
- Electronic expansion valve

OPTIONS (factory mounted)

- Suction stop valve
- Single pump (650-700-800-850-900-950-1 0-11-12-13-14-15)
- Twin pump (650-700-800-850-900-950-1 0-11-12-13-14-15)
- Total heat recovery
- Partial heat recovery
- High ESP fans
- Reduced noise / Low noise
- Fan silent
- Low ambient
- Power factor 0.9
- A/V meter
- Gauges
- Coil guards
- Soft starter
- Blank cu/al coils

ACCESSORIES

- Communication cards (EKAC200J – EKACLON)
- Bacnet gateway (EKBMSBNJ)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

COOLING ONLY

				650	700	800	850	900	950	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21
Capacity	Cooling		kW	667	723	800	855	903	926	974	1,038	1,094	1,177	1,222	1,282	1,354	1,430	1,557	1,710	1,806	1,920
Nominal input	Cooling		kW	223	237	259	278	292	287	294	343	355	377	399	415	433	430	520	558	584	603
EER				2.99	3.05	3.09	3.08	3.09	3.23	3.31	3.03	3.08	3.12	3.06	3.09	3.13	3.33	2.99	3.06	3.09	3.18
Capacity Steps			%	stepless 12.5 - 100							stepless 8.3 - 100							stepless 6.25 - 100			
Dimensions	(Height x Width x Depth)		mm	2,520x2,230x6,210		2,520x2,230x7,110			2,520x2,230x8,300		2,520x2,230x9,200		2,520x2,230x10,100		2,520x2,230x11,000		2,520x2,230x12,800		2,520x2,230x13,670		
Unit			kg	5,205	5,419	5,660	5,790	5,890	6,333	6,563	8,420		8,950		9,390	9,540	10,355	10,960	11,168	11,368	12,144
Operating Weight			kg	5,410	5,624	5,910	6,040	6,140	6,589	6,967	8,830		9,360		9,800	9,950	10,931	11,420	11,678	11,878	13,036
Water Heat Exchanger	Type			Shell and tube																	
	Minimum water volume in the system		l	254		246			244	392	415		402				533	254+246	246+246		392+392
	Water flow rate	Min	l/min	956	966	843	845	1,141	1,266	1,861	1,015	1,017	1,407		1,410	1,418	1,988	1,861	1,697	2,293	3,711
		Nominal	l/min	1,911	2,072	2,293	2,450	2,589	2,656	2,792	2,976	3,136	3,375	3,504	3,676	3,882	4,099	4,463	4,903	5,178	5,504
		Max	l/min	3,022	3,055	2,666	2,673	3,608	4,004	5,885	3,209	3,217	4,450		4,458	4,483	6,287	5,886	5,366	7,250	11,734
Air heat exchanger	Type			Grooved tubes and ALU coated louvred fins																	
Sound Power		Cooling	dBA	79		79.5		80	79.5		79		79.5			80		79.5		80	
Compressor	Type			Semi-hermetic single screw compressor																	
	Model	Quantity		1	2	1	2				1	3	1		3			2	4		
Refrigerant circuit	Refrigerant type			R-134a																	
	Refrigerant charge		kg	107	116	126	136		146	156	165	174	184	194	204	214	224	252	272		282
	No of circuits			2							3							4			
Power Supply				3~/400V/50Hz																	
Piping connections	Evaporator water inlet/outlet			victaulic, diameter 168.3mm1/2'' gas							victaulic, diameter 219.1mm1/2'' gas							victaulic, diameter 168.3mm1/2" gas			victaulic, diameter 219.1mm1/2" gas

EWAD-BJYNN/Q

Air Cooled

EWAD-BJYNN/Q

pCO²

STRENGTHS

- **Standard efficiency extra low noise**
- Several operating sound levels down to 86dB
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 538–1197kW
- EER range up to 2,76
- 2-3-4 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass
- Refrigerant side to minimize pressure drops

STANDARD AVAILABLE

- Glycol application
- Evaporator heater
- Main switch
- Electronic expansion valve

OPTIONS (factory mounted)

- Suction stop valve
- Single pump
- Twin pump
- Total heat recovery
- Partial heat recovery
- High ESP fans (550-600-650-700-750-900-950-10-11-12)
- Power factor 0.9
- A/V meter
- Gauges
- Coil guards
- Soft starter
- Blank cu/al coils

ACCESSORIES

- Communication cards (EKAC200J – EKACLON)
- Bacnet gateway (EKBMSBNJ)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

COOLING ONLY

					550	600	650	700	750	800	850	900	950	C10	C11	C12
Capacity	Cooling			kW	538	604	667	725	780	805	893	944	1,015	1,056	1,102	1,197
Nominal input	Cooling			kW	223	235	249	267	286	335	347	361	371	390	407	434
EER					2.41	2.57	2.68	2.72	2.73	2.4	2.57	2.61	2.74	2.71		2.76
Capacity Steps				%	stepless 12.5 - 100					stepless 8.3 - 100						
Dimensions	(Height x Width x Depth)			mm	2,520x2,230x6,310	2,520x2,230x6,210		2,520x2,230x7,110		2,520x2,230x8,300		2,520x2,230x9,200		2,520x2,230x10,100		25,20x2,230x11,000
Unit				kg	5,230	5,445	5,659	5,900	6,030	8,190		8,725		9,310		9,750
Operating Weight				kg	5,440	5,650	5,864	6,150	6,280	8,610		9,150		9,720		10,160
Water Heat Exchanger	Type				Shell and tube											
	Minimum water volume in the system			l	261	254		246		424	415			402		
	Water flow rate	Min		l/min	716	953	956	841	839	1,053	1,008	1,012	1,013	1,397	1,406	1,413
		Nominal		l/min	1,543	1,731	1,912	2,078	2,235	2,307	2,559	2,705	2,909	3,028	3,160	3,431
		Max		l/min	2,263	3,013	3,023	2,661	2,652	3,330	3,187	3,199	3,203	4,417	4,447	4,467
Air heat exchanger	Type				Grooved tubes and ALU coated louvred fins											
Sound Power		Cooling		dBA	65			65.5	66	65.5				66.0		66.5
Compressor	Type				Semi-hermetic single screw compressor											
	Model	Quantity			2	1	2	1	2	3	1		3	1		3
Refrigerant circuit	Refrigerant type				R-134a											
	Refrigerant charge			kg	98	107	116	126	136	147	156	165	174	184	194	204
	No of circuits				2					3						
	Refrigerant control				Electronic expansion valve											
Power Supply					3~/400V/50Hz											
Piping connections	Evaporator water inlet/outlet				victaulic, diameter 168.3mm1/2'' gas					victaulic, diameter 219.1mm1/2'' gas						

EWAD-BJYNN/Z

Air Cooled

EWAD-BJYNN/Z

pCO²

STRENGTHS

- High efficiency and extra low noise
- EER range up to 2.75
- Several operating sound levels down to 86dB
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 569–1013kW
- 2-3-4 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass
- Refrigerant side to minimize pressure drops

STANDARD AVAILABLE

- Glycol application
- Evaporator heater
- Main switch
- Electronic expansion valve

OPTIONS (factory mounted)

- Single pump
- Twin pump
- Total heat recovery
- Partial heat recovery
- High ESP fans (600-650-700-950-10)
- Fan silent
- Power factor 0.9
- Suction stop valve
- A/V meter
- Gauges
- Coil guards
- Soft starter
- Blank cu/al coils

ACCESSORIES

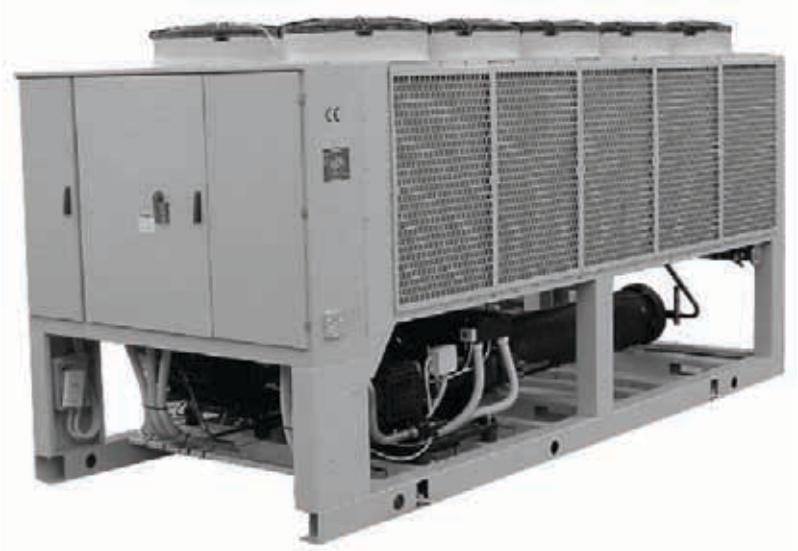
- Communication cards (EKAC200J – EKACLON)
- Bacnet gateway (EKBMSBNJ)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

COOLING ONLY

				600	650	700	850	900	950	C10
Capacity	Cooling		kW	569	631	668	840	914	953	1013
Nominal input	Cooling		kW	220	241	268	328	342	367	368
EER				2.59	2.62	2.49	2.56	2.67	2.6	2.75
Capacity Steps			%	stepless 12.5 - 100			stepless 8.3 - 100			
Dimensions	(Height x Width x Depth)		mm	2520x2230x6210	2520x2230x7110		2520x2230x9200	2520x2230x10100		2520x2230x11000
Unit			kg	5659	5900	6030	8725	9310		9750
Operating Weight			kg	5864	6150	6280	9150	9720		10160
Water Heat Exchanger	Type			Shell and tube						
	Minimum water volume in the system		l	254	246		415	402		
	Water flow rate	Min	l/min	958	843		1032	1318	1317	1325
		Nominal	l/min	1631	1808	1914	2409	2620	2731	2903
		Max	l/min	3028	2665	2666	3263	4169	4164	4189
Air heat exchanger	Type			Grooved tubes and ALU coated louvred fins						
Sound Power		Cooling	dBA	65.0			65.5			
Compressor	Type			Semi-hermetic single screw compressor						
	Model	Quantity		2	1	2	3	1		3
Refrigerant circuit	Refrigerant type			R-134a						
	Refrigerant charge		kg	106	115	124	159	168	177	186
	No of circuits			2			3			
Power Supply				3~/400V/50Hz						
Piping connections	Evaporator water inlet/outlet			victaulic, diameter 168.3mm1/2'' gas			victaulic, diameter 219.1mm1/2'' gas			

EWAP-AJYNN

Air Cooled



EWAP-AJYNN

pCO²

STRENGTHS

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-407C
- Cooling range: 790–1650kW
- EER range up to 2,35
- 2 -3 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass
- Refrigerant side for easy oil circulation and return
- Several operating sound levels down to 101dB

STANDARD AVAILABLE

- Glycol application
- Evaporator heater
- Main switch
- Electronic expansion valve

OPTIONS (factory mounted)

- Single pump (800-900-950-10-11-12-13-14)
- Twin pump (800-900-950-10-11-12-13-14)
- Total heat recovery
- Partial heat recovery
- High ESP fans
- Reduced noise / Low noise
- Fan silent
- Low ambient
- Power factor 0.9
- Suction stop valve
- A/V meter
- Gauges
- Coil guards
- Soft starter
- Blank cu/al coils

ACCESSORIES

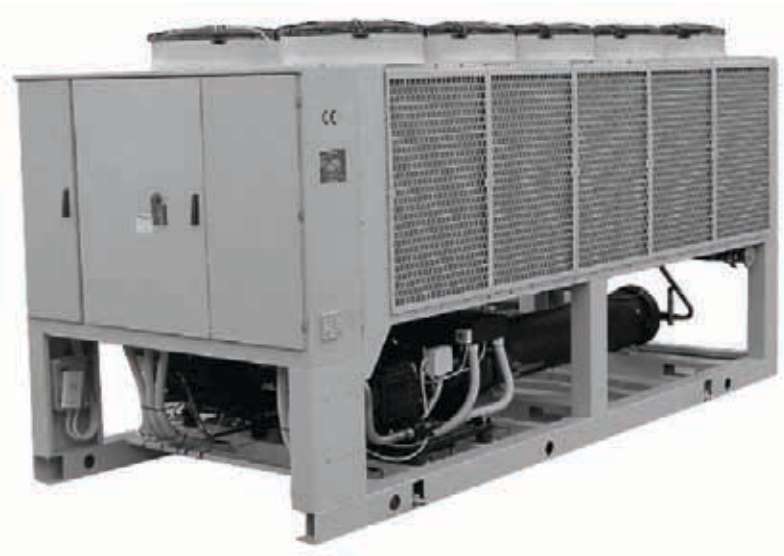
- Communication cards (EKAC200J – EKACLON)
- Bacnet gateway (EKBMSBNJ)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

COOLING ONLY

				800	900	950	C10	C11	C12	C13	C14	C15	C16	C17	C18
Capacity	Cooling		kW	790	875	944	1026	1092	1158	1284	1354	1426	1516	1583	1650
Nominal input	Cooling		kW	340	373	405	442	476	507	546	578	609	647	682	717
EER				2.32	2.35	2.33	2.32	2.29	2.28	2.35	2.34			2.32	2.3
Capacity Steps			%	stepless 12.5-100					stepless 8.3-100						
Dimensions	(Height x Width x Depth)		mm	2520x6210x2230	2520x7110x2230		2520x8010x2230		2520x9170x2230	2520x10070x2230		2520x10970x2230		2520x11870x2230	
Unit			kg	5165	5425	5555	5795	5905	7990	8305	8435	8890	8905	9155	9265
Operating Weight			kg	5430	5710	5840	6070	6180	8270	8775	8905	9360	9350	9600	9710
Water Heat Exchanger	Type			Shell and tube											
	Minimum water volume in the system		l	278	271		256		263	432			419		
	Water flow rate	Min	l/min	882	1090	1096	1371	1373	1212	1614	1626	1642	2357	2359	2365
		Nominal	l/min	2265	2508	2706	2941	3130	3320	3681	3882	4088	4346	4538	4730
		Max	l/min	2788	3445	3465	4337	4341	3833	5104	5141	5192	7453	7460	7479
Air heat exchanger	Type			Grooved tubes and ALU coated louvred fins											
Sound Power		Cooling	dBA	80.5		81				81.5					
Compressor	Type			Semi-hermetic single screw compressor											
	Model	Quantity		2	1	2	1	2	3	1		3	1		3
Refrigerant circuit	Refrigerant type			R-407C											
	Refrigerant charge		kg	120	130	140	150	160	180	190	200	210	220	230	240
	No of circuits			2					3						
	Refrigerant control			Electronic expansion valve											
Power Supply				3~/400V/50Hz											
Piping connections	Evaporator water inlet/outlet			victaulic, diameter 219.1mm1/2'' gas						victaulic, diameter 273mm1/2'' gas					

EWAP-AJYNN/A

Air Cooled



EWAP-AJYNN/A

pCO²

STRENGTHS

- All models are PED pressure vessel approved
- Stepless single-screw inverter compressor
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass
- Excellent EER and COP values
- Extremely low operating noise during part load cycles
- No electric current surge
- Optimized defrost cycles
- Optimum ESEER values
- Power factor up to 0.95
- Substantial cost savings compared to a traditional gas boiler installation
- Twin independent refrigerating circuits ensure operational back up and unit reliability
- Anti corrosion treated coils

STANDARD AVAILABLE

- Glycol application
- Evaporator heater
- Main switch
- Electronic expansion valve

OPTIONS (factory mounted)

- Suction stop valve
- Single pump
- Twin pump
- Partial heat recovery
- Low noise
- Fan silent
- Low ambient
- Power factor 0.9
- Guages
- Coil guards
- Soft starter

ACCESSORIES

- Communication cards (EKAC200J – EKACLON)
- Bacnet gateway (EKBMSBNJ)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

COOLING ONLY

				850	900	950	C10	C11	C12	C13	C14	C15	C16	C17	C18
Capacity	Cooling		kW	854	954	1028	1124	1196	1253	1357	1427	1497	1595	1644	1729
Nominal input	Cooling		kW	319	354	386	424	458	476	512	542	575	611	654	678
EER				2.67	2.69	2.66	2.65	2.61	2.63	2.65	2.63	2.60	2.61	2.51	2.55
Capacity Steps			%	stepless 12.5-100					stepless 8.3-100						
Dimensions	(Height x Width x Depth)		mm	2520x8010x2230	2520x8910x2230		2520x9810x2230		2520x11870x2230	2520x12770x2230		2520x13670x2230		2520x14570x2230	
Unit			kg	5900	6170	6290	6525	6645	9050	9505	9625	10060	10075	10410	10470
Operating Weight			kg	6185	6440	6560	6780	6900	9320	9980	10100	10530	10520	10860	10920
Water Heat Exchanger	Type			Shell and tube											
	Minimum water volume in the system		l	271	256		270		278	432			419		
	Water flow rate	Min	l/min	1084	1351	1374	1169	1176	1560	1629	1643	1634	2346	2356	2390
		Nominal	l/min	2448	2735	2947	3222	3429	3592	3890	4091	4291	4572	4713	4957
		Max	l/min	3428	4271	4345	3696	4934		5153	5195	5166	7417	7452	7559
Air heat exchanger	Type			Grooved tubes and ALU coated louvred fins											
Sound Power		Cooling	dBA	80.5		81				81.5					
Compressor	Type			Semi-hermetic single screw compressor											
	Model	Quantity		2	1	2	1	2	3	1		3	1		3
Refrigerant circuit	Refrigerant type			R-407C											
	Refrigerant charge		kg	160	170	180	190	200	240	250	260	270	280	290	300
	No of circuits			2					3						
	Refrigerant control			Electronic expansion valve											
Power Supply				3~/400V/50Hz											
Piping connections	Evaporator water inlet/outlet			victaulic, diameter 219.1mm1/2'' gas						victaulic, diameter 273mm1/2'' gas					

EWAP-MBYN
Air Cooled

EWAP200MBYN

pCO²

STRENGTHS
- DAIKIN stepless single screw compressor.
- Operation down to -15°C ambient temperature.
- Standard reverse phase protection.
- Freeze-up protection and prevention.
- PE treated condenser coil.
- VICTAULIC joints and filter as standard.
- DICN operation as standard within same series.
- Chilled water temperature down to - 5°C(ZH) or -10°C(ZL) (user setting).
- Standard discharge shut-off valve.
- Standard flow switch.
- Modular design.

OPTIONS (factory mounted)
- Dual pressure relief valve on the condenser.
- Main isolator switch.
- Condenser protection grilles.
- Low noise (-5 to -7dB(A)).
- Compressor suction stop valve.
- Ampere & Voltmeter (read-out on switchbox).
- Hi-ESP fans.
- Inverter fans.
- Heat Recovery.

ACCESSORIES (kit)
- Leaving water control sensor for DICN.
- BMS card.
- BMS gateway (MODBUS/J-BUS/BACNET protocol).
- Remote user interface (EKPUPC).

CONTROL
- Microprocessor control.
- Water inlet or outlet temperature control.
- Weekly operating schedule.

AVAILABLE INPUTS / OUTPUTS

Input
- ON / OFF (per circuit).
- Dual setpoint through analog signal.
- Floating setpoint.
- Pump / flow switch.

Output
- Compressor operation.
- Summary alarm (per circuit).
- Pump relay contact.

COOLING ONLY

				110	140	160	200	280	340	400	460	540
Capacity	Cooling		kW	111.00	144.00	164.00	199.00	285.00	349.00	395.00	468.00	541.00
Nominal input	Cooling		kW	41.90	51.80	64.30	78.10	108.00	140.00	156.00	189.00	222.00
EER				2.65	2.78	2.55		2.64	2.49	2.53	2.48	2.44
Capacity Steps			%	30-100						15-100		
Dimensions	(Height x Width x Depth)		mm	2250x2346x2238			2250x4280x2238			2250x5901x2238		
Unit			kg	1417	1571	1660	2203	2583	2633	4865	4988	5111
Operating Weight			kg	1425	1584	1676	2223	2610	2667	4939	5069	5199
Water Heat Exchanger	Type			Brased plate, one per circuit								
	Minimum water volume in the system		l	540	700	800	970	1390	1710	970	1140	1320
	Water flow rate	Min	l/min	160	205	235	285	410	500	565	670	775
		Max	l/min	640	825	940	1140	1640	2000	2265	2680	3100
	Nominal Water Flow	Cooling	kPa	50.0	48.0	41.0	31.0	42.0	52.0	35.0	39.0	44.0
Air heat exchanger	Type			Cross fin coil/Hi-X tubes and PE coated waffle louvre fins								
Sound Power		Cooling	dBA	91	96		97	99	100	101		
Compressor	Type			Semi-hermetic single screw compressor								
	Model	Quantity		1								
Refrigerant circuit	Refrigerant type			R-407C								
	Refrigerant charge		kg	27.0	39.0	42.0	58.0	84.0		128.0	129.0	130.0
	No of circuits			1						2		
	Refrigerant control			Thermostatic expansion valve								
Power Supply				3~/400V/50Hz								
Piping connections	Evaporator water inlet/outlet			flexible coupling + counterpipe for welding 3"od field installation			flexible coupling + counterpipe for welding 3"1/4"g			flexible coupling + counterpipe for welding 5"1/4"g		
	Relief device outlet			compressor: 1"npt				compressor: 2x1"npt		compressor: 2x(1"npt)	compressor: 1x(1"npt)+1x(2x1"npt)	compressor: 2x(2x1"npt)

EWTP-MBYN

Heat Recovery

EWTP280MBYN

pCO²

In many applications there often exists a simultaneous cooling and heating demand requirement alongside one another. To benefit from this Daikin offer the full range of R-407C EWTP110-540MBYN chillers with heat recovery. This option further increases the application flexibility and extends possibilities in the hotel and leisure industry as well as the industrial and process sectors.

By energetically recovering useful heat from the cooling cycle that would otherwise be rejected to outside COPs of up to 5.62 can be realized in heat recovery mode. The heat recovery unit aims to achieve an optimum balance between cooling and heat recovery to maximize the unit efficiency and offer savings in hot water production.

For full heat recovery both sensible and latent heat exchange will occur in the recovery exchanger. Inverter fans will be used to control the recovery outlet water temperature, by throttling back the airflow and maintaining the required condensing temperature.

As a desuperheater the sensible heat from the hot discharge gas will be recovered, while the latent heat exchange will occur in the air-cooled condenser. The units efficiency is maintained as condensing pressure can be reduced due to air-cooled condenser becoming oversized. Hot water temperatures up to 70°C can be achieved.

HEAT RECOVERY

				110	140	160	200	280	340	400	460	540
Capacity	Cooling		kW	107.00	138.00	158.00	191.00	274.00	335.00	379.00	449.00	520.00
	Cooling during heat recovery		kW	97.70	126.00	144.00	171.00	251.00	311.00	337.00	401.00	465.00
	Heat recovery		kW	116.00	148.00	176.00	208.00	301.00	377.00	407.00	434.00	441.00
Nominal input	Cooling		kW	43.70	54.00	67.00	81.30	113.00	146.00	163.00	197.00	232.00
	Heat recovery		kW	39.40	47.80	62.40	73.20	103.00	132.00	142.00	177.00	214.00
EER				2.45	2.56	2.36	2.35	2.42	2.29	2.33	2.28	2.24
COP				5.44	5.73	5.13	5.17	5.36	5.21	5.24	4.71	4.24
Capacity Steps			%	30-100 (stepless)						15-100 (stepless)		
Dimensions	(Height x Width x Depth)		mm	2250x2346x2238			2250x4280x2238			2250x5901x2238		
Unit			kg	1465	1629	1723	2266	2646	2727	4990	5113	5236
Operating Weight			kg	1483	1654	1752	2299	2692	2784	5090	5220	5350
Water Heat Exchanger	Type			Brased plate, one per circuit								
	Minimum water volume in the system		l	520	680	770	930	1340	1640	930	1100	1270
	Water flow rate	Min	l/min	160	205	235	285	410	500	565	670	775
		Max	l/min	640	825	940	1140	1640	2000	2265	2680	3100
Air heat exchanger	Type			Cross fin coil/Hi-X tubes and chromate coated waffle louvre fins								
Sound Power		Cooling	dBA	89	94		95	96	98	99		
Compressor	Type			Semi-hermetic single screw compressor								
	Model	Quantity		1								
Refrigerant circuit	Refrigerant type			R-407C								
	Refrigerant charge		kg	32.0	46.0	49.0	70.0	110.0		79.0	80.0	
	No of circuits			1						2		
	Refrigerant control			Thermostatic expansion valve								
Power Supply				3~/400V/50Hz								
Piping connections	Evaporator water inlet/outlet			flexible coupling + counterpipe for welding 3" od field installation			flexible coupling + counterpipe for welding 3"1/4"g			flexible coupling 5"1/4"g		
	Heat recovery condenser inlet/outlet			2"g								

ERAP-MBYN

Remote Evaporator

ERAP150MBYN

pCO²

STRENGTHS

- DAIKIN stepless single screw compressor.
- Operation down to -15°C ambient temperature.
- Standard reverse phase protection.
- Freeze-up protection and prevention.
- PE treated condenser coil.
- Liquid stop valve.
- Discharge stop valve.
- Standard suction stop valve.

OPTIONS (factory mounted)

- Main isolator switch.
- Condenser protection grilles.
- Low noise (down to -6dB(A)).
- Ampere & Voltmeter (read-out on switchbox).
- Hi-ESP fans.

ACCESSORIES (kit)

- BMS gateway (MODBUS/J-BUS/BACNET protocol).
- Remote user interface.

CONTROL

- Return air or room temperature control.
- Weekly operating schedule.

AVAILABLE INPUTS / OUTPUTS

Input

- ON / OFF.
- Dual setpoint through analog signal.
- Air flow switch.
- Capacity limit.

Output

- Compressor operation.
- Summary alarm.

COOLING ONLY						
				110	**150**	**170**
Capacity	Cooling		kW	114.00	150.00	171.00
Nominal input	Cooling		kW	42.10	52.40	65.20
EER				2.71	2.86	2.62
Capacity Steps			%	30-100		
Dimensions	(Height x Width x Depth)		mm	2250x2346x2238		
Unit			kg	1326	1440	1516
Air heat exchanger	Type			Cross fin coil/Hi-X tubes and PE coated waffle louvre fins		
Sound Power		Cooling	dBA	91	96	
Compressor	Type			Semi-hermetic single screw compressor		
	Model	Quantity		1		
Refrigerant circuit	Refrigerant type			R-407C		
	Refrigerant charge		kg	5.5		7.5
	No of circuits			1		
Power Supply				3~/400V/50Hz		
Piping connections	Suction line connection			2'' 1/8		
	Liquid line connection			7/8''		
	Relief device outlet			compressor: 1''npt		

EWWP-KAW1N

Water Cooled

EWWP014KAW1N

pCO²

STRENGTHS

- One of the most compact units in the market (60cm x 60cm x 60cm for models 014 to 035).
- Daikin scroll compressor.
- Standard reverse phase protection.
- Extension possible up to 195kW.

For single module units

- Standard main isolator switch.
- Basic hydraulic components for KA-series included with the unit as a kit: flow switch, air purge, filter + shut-off valves for both condenser and evaporator.

OPTIONS (factory mounted)

- Chilled water temperature down to - 5°C (OPZH) or -10°C (OPZL).

ACCESSORIES (kit)

- Compressor soundproof material (-3dBA).
- Hydraulic module (see page 28).
- BMS gateway (MODBUS/J-BUS / BACNET protocol).
- Remote user interface.

CONTROL

- Microprocessor control.
- Water inlet temperature control.
- Cold water or hot water regulation.

AVAILABLE INPUTS/OUTPUTS

Input
Remote ON/OFF.
Pump contact.
Cool/heat selection.

Output
Compressor operation.
Summary alarm.
Pump relay contact.

The range of chillers EWWP014-065KAW1 can be extended up to 195kW in a modular way.

Units EWWP090-195KAW1 is a combination of up

to 3 modules EWWP045-065KAW1, combined with control box ECB2/3MUW.

For configuration guidelines, see below table or contact your local DAIKIN supplier.

COOLING ONLY/HEATING ONLY

				014	022	028	035	045	055	065	090	100	110	120	130	145	155	165	175	185	195
Capacity	Cooling		kW	13.0	21.5	28.0	32.5	43.0	56	65.0	86.0	99.0	112	121	130	142	155	168	177	186	195
Nominal input	Cooling		kW	3.61	5.79	7.48	8.75	12.1	16	18.3	23.6	27.3	31.0	33.1	35.2	39.1	42.8	46.5	48.6	50.7	52.8
EER				3.60	3.71	3.74	3.71	3.55	3.5	3.55	3.64	3.63	3.61	3.66	3.69	3.63	3.62	3.61	3.64	3.67	3.69
Capacity Steps			%	1				2			4					6					
Dimensions	(Height x Width x Depth)		mm	600x600x600				600x600x1200			1200x600x1200					1800x600x1200					
Unit			kg	118	155	165	172	300	320	334	600	620	640	654	668	920	940	960	974	988	1002
Water Heat Exchanger	Type			Brased plate																	
	Minimum water volume in the system		l	62	103	134	155	205	268	311	205	268		311		205		268			311
	Water flow rate	Min	l/min	24	39	51	59	79	102	118	157	181	205	221	237	260	283	307	323	339	355
		Nominal	l/min	48	78	102	118	157	205	237	314	362	410	442	474	519	567	614	647	679	711
		Max	l/min	95	157	203	237	314	410	474	629	724	819	883	948	1038	1133	1229	1293	1357	1422
Sound Power		Cooling	dBA	64			71	67		74	71			75	77	73			76	78	79
Compressor	Type			Hermetically sealed scroll compressor																	
	Model	Quantity		1				2			4	2	4	2	4	2		6	2		6
Refrigerant circuit	Refrigerant type			R-407C																	
	Refrigerant 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
	No of circuits			1				2			4					6					
	Refrigerant control			Thermostatic expansion valve																	
Power Supply				3N~/400V/50Hz																	
Piping connections	Evaporator water inlet/outlet			fbsp 25 field installation				fbsp 40 field installation			2 x 2 x fbsp 38 field installation					3 x 2 x fbsp 38 field installation					
	Condensor water inlet/outlet			fbsp 25 field installation				fbsp 40 field installation			2 x 2 x fbsp 38 field installation					3 x 2 x fbsp 38 field installation					

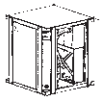
EWWP-KAW1N

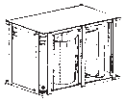
Water Cooled

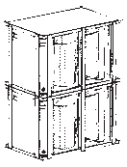
EWWP014-035KAW1N

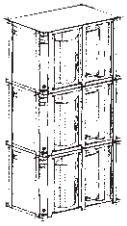
EWWP090-130KAW1N

EWWP145-195KAW1N









SELECTION TABLE		1 MODULE (KA-SERIES)							2 MODULES (KA-SERIES)					3 MODULES (KA-SERIES)					
Capacity index		014	022	028	035	045	055	065	090	100	110	120	130	145	155	165	175	185	195
Cooling capacity (kW)		**13**	**21.5**	**28**	**32.5**	**43**	**56**	**65**	**86**	**99**	**112**	**121**	**130**	**142**	**155**	**168**	**177**	**186**	**195**
Heating capacity (kW)		**16**	**26.2**	**35.3**	**41**	**52.5**	**71**	**81**	**105**	**124**	**142**	**153**	**164**	**176**	**195**	**213**	**224**	**235**	**246**
UNIT + CONTROL (factory mounted)	EWWP014KAW1N	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP022KAW1N	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP028KAW1N	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP035KAW1N	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP045KAW1N	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP055KAW1N	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	EWWP065KAW1N	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
UNIT ONLY (Without Control)	EWWP045KAW1M	-	-	-	-	1	-	-	2	1	-	-	-	2	1	-	-	-	-
	EWWP055KAW1M	-	-	-	-	-	1	-	-	1	2	1	-	1	2	3	2	1	-
	EWWP065KAW1M	-	-	-	-	-	-	1	-	-	-	1	2	-	-	-	1	2	3
CONTROL (Kit)	ECB 1 MUW	-	-	-	-	1	1	1		-	-	-	-	-	-	-	-	-	-
	ECB 2 MUW	-	-	-	-	-	-	-	1	1	1	1	1	-	-	-	-	-	-
	ECB 3 MUW	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1

For example: for a 121 kW -HP system, select :
EWWP055KAW1
+ EWWP065KAW1

EWWD-MBYN

Water Cooled

EWWD120MBYN

pCO²

STRENGTHS

- Compact and modular design.
- DAIKIN stepless single screw compressor.
- Standard reverse phase protection.
- VICTAULIC joints.
- DICN operation as standard within same series.
- Standard discharge shut-off valve.
- Standard filter, flow switch.

OPTIONS (factory mounted)

- Main isolator switch.
- Low noise (-5 to -7dB(A)).
- Compressor suction stopvalve.
- Ampere & Voltmeter (read-out on switchbox).
- Chilled water temperature down to - 5°C (ZH) or -10°C (ZL).
- Dual pressure relief valve.

ACCESSORIES (kit)

- BMS gateway (MODBUS/J-BUS / BACNET protocol).
- Remote user interface (EKRUPC).

CONTROL

- Microprocessor control.
- Water inlet or outlet temperature control.
- Weekly operating schedule.

AVAILABLE INPUTS/OUTPUTS

Input

- ON / OFF.
- Pump contact.
- Dual setpoint through analog signal.
- Floating setpoint.

Output

- Compressor operation.
- Summary alarm (per circuit).
- Pump relay contact.

COOLING ONLY/HEATING ONLY

				120	180	240	280	360	440	500	520	540
Capacity	Cooling		kW	123.00	183.00	249.00	273.00	366.00	432.00	498.00	522.00	546.00
	Heating		kW	147.00	216.00	290.00	327.00	431.00	505.00	580.00	617.00	655.00
Nominal input	Cooling		kW	28.70	45.20	61.60	69.20	90.50	107.00	123.00	131.00	138.00
	Heating		kW	34.50	54.00	72.80	83.40	108.00	127.00	146.00	156.00	167.00
EER				4.29	4.05	4.04	3.95	4.04		4.05	3.98	3.96
COP				4.26	4	3.98	3.92	3.99	3.98	3.97	3.96	3.92
Capacity Steps			%	30-100 stepless				15-100 stepless				
Dimensions	(Height x Width x Depth)		mm	1018x2681 (3051)x930	1018x2681 (3254)x930			2000x2681 (3254)x930				
Unit			kg	1000	1273	1527	1623	2546	2800	3034	3150	3346
Operating Weight			kg	1032	1318	1588	1693	2636	2906	3156	3281	3485
Water Heat Exchanger	Type			Shell and tube								
	Minimum water volume in the system		l	600	890	1220	1330	895	1055	1215	1275	1335
	Water flow rate	Min	l/min	217	336	450	520	670	790	900	970	1040
		Nominal	l/min	435	654	890	981	1309	1545	1781	1871	1962
		Max	l/min	800	1050	1230	1370	2100	2290	2470	2600	2730
Sound Power		Cooling	dBA	87	93	94	93	96				
Compressor	Type			Semi-hermetic single screw compressor								
	Model	Quantity		1				2	1	2	1	2
Refrigerant circuit	Refrigerant type			R-134a								
	Refrigerant charge		kg	18.0	35.0	37.0	38.0	70.0	72.0	74.0	75.0	76.0
	No of circuits			1				2				
	Refrigerant control			Thermostatic expansion valve		Electronic expansion valve		Thermostatic expansion valve	Electronic expansion valve			
Power Supply				3~/400V/50Hz								
Piping connections	Evaporator water inlet/outlet			3" od vc field installation	3" victaulic coupling field installation							
	Condensor water inlet/outlet			2" 1/2 victaulic m6	3'' victaulic m6							
	Relief device outlet			1x1''		2x1''			3x1''	4x1''		

EWWD-DJYNN

Water Cooled

EWWD-DJYNN

pCO²

STRENGTHS

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 165.5–555.7kW
- EER range up to 4
- 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

STANDARD AVAILABLE

- Glycol application
- Suction stop valve
- Main switch
- Gauges
- Electronic expansion valve

OPTIONS (factory mounted)

- Total heat recovery
- Partial heat recovery
- Power factor 0.9
- A/V meter
- Low noise
- Soft starter
- Cu/ni heat exchanger

ACCESSORIES

- Communication cards (EKAC200J – EKACLON)
- Bacnet gateway (EKBMSBNJ)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

COOLING ONLY

				170	210	260	300	320	380	420	460	500	600
Capacity	Cooling		kW	165.5	201.2	252.8	280.4	333.9	372.2	402.5	448.3	493.7	555.7
Nominal input	Cooling		kW	42.1	50.7	64.9	75.4	84.3	93.1	101.4	115.1	129.0	150.2
EER				3.93	3.97	3.9	3.72	3.96	4	3.97	3.89	3.83	3.7
Capacity Steps			%	stepless 25-100				stepless 12.5-100					
Dimensions	(Height x Width x Depth)		mm	1860x3435x920				1880x4305x860					
Unit			kg	1393	1410	1503		2687	2697	2702	2757	2762	
Operating Weight			kg	1470	1480	1650		2840	2850	2860	2970		
Water Heat Exchanger	Type			Shell and tube									
	Minimum water volume in the system		l	13	15			26	28	30			
	Water flow rate	Min	l/min	303	357	363	368	603	659	718	726	729	741
		Nominal	l/min	595	722	911	1020	1199	1334	1445	1615	1785	2024
		Max	l/min	959	1128	1147	1162	1908	2083	2270	2296	2305	2344
Sound Power		Cooling	dBA	69.7				71.7					
Compressor	Type			Semi-hermetic single screw compressor									
	Model	Quantity		1				2	1	2	1	2	
Refrigerant circuit	Refrigerant type			R-134a									
	Refrigerant charge		kg	50				100					
	No of circuits			1				2					
	Refrigerant control			Electronic expansion valve									
Power Supply				3~/400V/50Hz									
Piping connections	Evaporator water inlet/outlet			1/2'' gas									

EWWD-DJYNN/A

Water Cooled

EWWD-DJYNN/A

pCO²

STRENGTHS

- High efficiency
- EER range up to 4,7
- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 186.4–603.9kW
- 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

STANDARD AVAILABLE

- Glycol application
- Suction stop valve
- Main switch
- Gauges
- Electronic expansion valve

OPTIONS (factory mounted)

- Total heat recovery (190-230-28-320-380-400-460-500)
- Partial heat recovery
- Power factor 0.9
- A/V meter
- Low noise
- Soft starter
- Cu/ni heat exchanger

ACCESSORIES

- Communication cards (EKAC200J – EKACLON)
- Bacnet gateway (EKBMSBNJ)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

COOLING ONLY

				190	230	280	320	380	400	460	500	550	650
Capacity	Cooling		kW	186.4	223.3	276.5	306.7	366.3	408.2	443.6	496	540.5	603.9
Nominal input	Cooling		kW	39.7	48.1	59.3	71.4	79.3	87.2	95	104.8	114.4	137.7
EER				4.7	4.64	4.66	4.3	4.62	4.68	4.67	4.73	4.72	4.39
Capacity Steps			%	stepless 25-100				stepless 12.5-100					
Dimensions	(Height x Width x Depth)		mm	1860x3435x920				1880x4305x860					
Unit			kg	1650	1665	1680		2800	2945	2955	2975	2990	
Operating Weight			kg	1800	1810	1820		3020	3280	3290	3315	3340	
Water Heat Exchanger	Type			Shell and tube									
	Minimum water volume in the system		l	22	25			44	47	50	59	68	
	Water flow rate	Min	l/min	497	550	609	648	994	1089	1202	1362	1533	1542
		Nominal	l/min	648	778	963	1084	1277	1420	1544	1722	1877	2126
		Max	l/min	1572	1740	1925	2048	3145	3444	3801	4306	4847	4877
Sound Power		Cooling	dBA	69.7				71.7					
Compressor	Type			Semi-hermetic single screw compressor									
	Model	Quantity		1				2	1	2	1	2	
Refrigerant circuit	Refrigerant type			R-134a									
	Refrigerant charge		kg	50				100					
	No of circuits			1				2					
	Refrigerant control			Electronic expansion valve									
Power Supply				3~/400V/50Hz									

EWWD-CJYNN

Water Cooled

EWWD-CJYNN

pCO²

STRENGTHS

- All models are PED pressure vessel approved
- Stepless single-screw compressor
- Optimised for use with R-134a
- Cooling range: 334–1893kW
- EER up to 4.64
- 1-2-3-4 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass
- Refrigerant side to minimize pressure drops

STANDARD AVAILABLE

- Glycol application
- Main switch
- Gauges
- Electronic expansion valve

OPTIONS (factory mounted)

- Total heat recovery
- Partial heat recovery
- Power factor 0.9
- Suction stop valve
- A/V meter
- Soft starter
- Cu/ni heat exchanger

ACCESSORIES

- Communication cards (EKAC200J – EKACLON)
- Bacnet gateway (EKBMSBNJ)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

COOLING ONLY

				340	400	480	550	700	750	800	900	950	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19
Capacity	Cooling		kW	334	399	462	510	666	735	792	871	934	1074	1139	1205	1268	1331	1394	1525	1629	1761	1893
Nominal input	Cooling		kW	81.1	90.1	102	109	160	170	180	194	207	250	261	273	284	297	309	344	366	391	416
EER				4.12	4.43	4.53	4.68	4.16	4.32	4.4	4.49	4.51	4.3	4.36	4.41	4.46	4.48	4.51	4.43	4.45	4.5	4.55
Capacity Steps			%	stepless 25-100				stepless 12.5-100					stepless 8.3-100						stepless 6.25-100			
Dimensions	(Height x Width x Depth)		mm	1970x3310x900				2070x4300x1290					2320x3770x2160						2320x5151x2240			
Unit			kg	1830	1855	1886	1965	3395	3495	3515	3560	3590	4960	4980	5110	5135	5175	5205	6790	6830	6890	6940
Operating Weight			kg	2000	2030	2050	2160	3640	3910	3940	3990	4020	5410	5430	5630	5660	5710	5740	7580	7630	7690	7730
Water Heat Exchanger	Type			Shell and tube																		
	Minimum water volume in the system		l	30	35	34	36	60	63	70	75	80	95	100	105	110	115	120	135	140	150	160
	Water flow rate	Min	l/min	626	720	817	936	1232	1348	1447	1527	1635	1974	2059	2173	2284	2364	2473	2749	2895	3164	3268
		Max	l/min	1980	2278	2584	2960	3896	4261	4577	4829	5170	6244	6512	6872	7222	7475	7821	8692	9156	10006	10336
		Nominal	l/min	1188	1404	1614	1776	2370	2592	2784	3054	3270	3798	4014	4236	4452	4668	4884	5358	5718	6168	6618
Sound Power		Cooling	dBA	75.2	76.2	78.2		77.8	78.2	78.7	79.8	80.7	79.2	79.5	79.8	80.6	81.2	81.8	80.3		81.9	82.8
Compressor	Type			Semi-hermetic single screw compressor																		
	Model	Quantity		1											2	1		2	1	3	1	3
Refrigerant circuit	Refrigerant type			R-134a																		
	Refrigerant charge		kg	53	63	73	77	106	116	126	136	146	169	179	189	199	209	219	232	252	272	292
	No of circuits			1				2					3						4			
	Refrigerant control			Electronic expansion valve																		
Power Supply				3~/400V/50Hz									3~/380-440V/50Hz									
Piping connections	Evaporator water inlet/outlet			1/2'' gas																		

EWWD-BJYNN

Water Cooled

EWWD-BJYNN

pCO²

STRENGTHS

- All models are PED pressure vessel approved
- 1 and 2 stepless single-screw compressors
- Optimised for use with R-134a
- Cooling range: 369–1050kW
- Super high efficiency: EER up to 5,83
- Very high EER values at part loads condition
- Flooded evaporator
- Expansion valve with liquid level control

STANDARD AVAILABLE

- Main switch
- Gauges
- Electronic expansion valve

OPTIONS (factory mounted)

- Glycol application
- Suction stop valve
- A/V meter
- Soft starter
- Cu/ni heat exchanger

ACCESSORIES

- Communication cards (EKAC200J – EKACLON)
- Bacnet gateway (EKBMSBNJ)
- Remote user interface (EKRUPCK)
- Buffer tanks (EKBT500N - EKBTC10N - EKBT500C - EKBTC500C)
- Sequencing panel (EKCSCII)
- Plant visor (EKPV2J)
- Modem (EKMODEM – EKGSMOD)
- Converter RS485 to RS 232 (EKCON)

COOLING ONLY

				380	460	550	750	850	900	C10	C11
Capacity	Cooling		kW	369	445	521	734	816	895	976	1050
Nominal input	Cooling		kW	65	77.9	90	129	142	155	167	180
EER				5.68	5.71	5.79	5.69	5.75	5.77	5.84	5.83
Capacity Steps			%	stepless 25-100			stepless 12.5-100				
Dimensions	(Height x Width x Depth)		mm	2250x3625x1551	2250x3860x1551		2300x4145x1743		2300x4145x1808	2300x4145x1910	
Unit			kg	3089	3370	3603	5546	5636	6007	6448	6598
Operating Weight			kg	3250	3588	3870	5911	6045	6460	6972	7163
Water Heat Exchanger	Type			Flooded shell and tube							
	Minimum water volume in the system		l	83	111	133	181	199	243		263
	Water flow rate	Min	l/min	665	948	1086	1478	1703	1904	1924	2146
		Nominal	l/min	1244	1499	1752	2474	2746	3010	3277	3526
		Max	l/min	2103	2998	3435	4675	5386	6020	6085	6786
Sound Power		Cooling	dBA	78	79	80	81	81.5	82	82.5	83
Compressor	Type			Semi-hermetic single screw compressor							
	Model	Quantity		1			2				
Refrigerant circuit	Refrigerant type			R-134a							
	Refrigerant charge		kg	130	165	180	200	215	230	274	290
	No of circuits			1							
	Refrigerant control			Electronic expansion valve							
Power Supply				3~/400V/50Hz							
Piping connections	Evaporator water inlet/outlet			1/2'' gas							

EWWQ-AJYNN

Water Cooled – Standard Efficiency

EWWQ400AJYNN

pCO²

STRENGTHS

- All models are PED pressure vessel approved
- Cooling range: 388-2,093kW
- EER range up to 4.62
- ESEER up to 5.37
- 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

COOLING ONLY

				400	480	600	650	750	800	850	900	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20
Capacity (Eurovent)	Cooling		kW	387.96	474.13	574.36	651.45	742.14	812.53	880.09	891.19	980.45	1,028.15	1,077.43	1,210.09	1,281.09	1,352.09	1,488.14	1,620.34	1,783.43	1,928.13	2,092.73
Nominal input (Eurovent)	Cooling		kW	87.37	106.27	130.44	147.86	169.73	175.22	206.4	194.02	212.97	245.47	236.90	261.72	279.05	296.39	339.95	375.37	408.72	441.58	475.47
Capacity Steps			%	25-100 (stepless)					12.5-100 (stepless)	25-100 (stepless)	12.5-100 (stepless)		25-100 (stepless)	12.5-100 (stepless)								
EER				4.44	4.46	4.4	4.41	4.37	4.64	4.26	4.59	4.6	4.19	4.55	4.62	4.59	4.56	4.38	4.32	4.36	4.37	4.40
ESEER				4.95	4.98	4.97		4.72	5.37	4.60	5.36	5.34	4.53	5.33	5.36	5.35	5.29	4.93		4.82	4.89	4.87
Dimensions	(Height x Width x Depth)		mm	1,846x1,065x3,431		2,000x1,226x3,440			1,846x1,266x3,351	2,170x1,350x4,902	1,846x1,266x3,351	2,170x1,350x4,902	1,846x1,266x3,351	2,319x1,350x4,912	2,455x1,350x4,835			2,547x1,350x4,844			2,547x1,350x4,809	
Weight	Machine weight		kg	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
	Operating weight		kg	2,135	2,169	2,543	2,628	2,777	4,422	2,795	4,463	4,496	2,812	4,780	5,186	5,200	5,280	5,602	5,615	5,670	5,881	5,970
Water Heat Exchanger Evaporator	Type			Shell and tube																		
	Water volume		l	124	118	176	170	274	344	266	344	325	251	325	538			505		495	539	527
	Water flow rate	Min	l/min	664	812	986	1,118	1,225	1,385	1,279	1,522	1,673	1,283	1,845	2,062	2,188	2,314	2,391	2,501	2,925	3,267	3,667
		Max	l/min	1,258	1,354	1,860	2,108	2,415	2,649	2,859	2,898	3,189	3,342	3,492	3,937	4,160	4,383	4,840	5,255	5,785	6,238	6,768
	Nominal water pressure drop	Cooling	kPa	49.43	64.65	45.04	47.92	54.74	53.80	50.22	63.54	59.07	57.23	70.01	45.37	50.28	55.40	59.86	69.74	89.42	98.78	122.57
Water Heat Exchanger Condenser	Type			Shell and tube																		
	Water volume		l	79	92	84	162	97	79	102	79	92	104	52	60	60	68	54	54	61	61	77
	Water volume		l	-					79	-	92		-	60		68		54	57	61	77	
	Water flow rate	Min	l/min	813	994	1,210	1,371	1,506	1,683	1,579	1,854	2,037	1,589	2,251	2,508	2,664	2,821	2,937	3,080	3,595	4,015	4,500
		Max	l/min	1,541	1,878	2,282	2,587	2,968	3,220	3,530		3,882	4,139	4,260	4,789	5,066	5,345	5,945	6,472	7,112	7,666	8,307
	Nominal water pressure drop	Cooling	kPa	60.15	64.35	67.91	66.02	16.46	64.44	20.43	66.55	67.64	25.92	70.09	73.40		69.77	16.52	19.31	16.93	17.08	15.02
Compressor	Type			Semi hermetic single screw compressor																		
	Model	Quantity		1					2	1	2		1	2								
Sound Power		Cooling	dBA	100.2	101.2	102.3		101.5	104.7	102.3	104.7	105.1	103.2	104.7	105.2	106.5		105.8	106.2	106.6	107.1	107.5
Operation Range	Evaporator	Min~Max	°C	-4~10																		
	Condenser	Min~Max	°C	25~45																		
Refrigerant circuit	Refrigerant type			R-410A																		
	Refrigerant charge		kg	80		90		100	85+85	100	85+85		100	95+95	100+100			130+130				
	No of circuits			1					2	1	2		1	2								
	Refrigerant control			Electronic expansion valve																		
Power Supply				3~/400V/50Hz																		
Piping connections	Evaporator water inlet/outlet			168.30		219.10									273.00							
	Condenser water inlet/outlet			5''		5"	5''	6"	5''	6"	5"		6"	5"				6"				

EWWQ-AJYNN/A

Water Cooled – High Efficiency

EWWQC22AJYNN/A

pCO²

STRENGTHS

- All models are PED pressure vessel approved
- Cooling range: 431-2,196kW
- EER range up to 5.09
- ESEER up to 5.98
- 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

COOLING ONLY

				440	550	650	750	800	950	C10	C11	C12	C13	C14	C15	C16	C18	C19	C20	C22
Capacity (Eurovent)	Cooling		kW	431	527	653	740	818	993	1,059	1,139	1,182	1,297	1,397	1,479	1,605	1,769	1,901	2,061	2,196
Nominal input (Eurovent)	Cooling		kW	86.67	104.72	128.28	145.95	162.04	196.57	209.49	232.06	233.11	257.54	274.77	291.86	321.48	356.36	390.31	425.94	460.72
Capacity Steps			%	25-100 (stepless)						12.5-100 (stepless)	25-100 (stepless)	12.5-100 (stepless)								
EER				4.97	5.03	5.09	5.07	5.05		5.06	4.91	5.07	5.04	5.08	5.07	4.99	4.96	4.87	4.84	4.77
ESEER				5.58	5.61	5.69	5.67	5.64	5.39	5.89	5.28	5.87	5.88	5.98	5.93	5.67	5.71	5.48	5.50	5.38
Dimensions	(Height x Width x Depth)		mm	2,000x1,211x3,987			2,001x1,218x3,855	2,000x1,266x3,854	2,001x1,448x3,891	2,453x1,350x4,985	2,001x1,448x3,891	2,453x1,350x4,985				2,547x1,350x4,844		2,547x1,350x4,809		
Weight	Machine weight		kg	2,322	2,403		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
	Operating 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
Water Heat Exchanger Evaporator	Type			Shell and tube																
	Water volume		l	220	213	200	334	325	538	587	538	575	563	551		495	484	535	527	
	Water flow rate	Min	l/min	733	898	1,114	1,262	1,438	1,733	1,805	1,994	2,016	2,213	2,383	2,523	2,811	3,097	3,334	3,617	3,862
		Max	l/min	1,407	1,718	2,133	2,419	2,651	3,234	3,462	3,695	3,862	4,237	4,563	4,823	5,219	5,749	6,158	6,671	7,094
	Nominal water pressure drop	Cooling	kPa	55.77	68.81	71.54	64.27	57.46	53.85	53.69	68.89	64.23	55.13	67.85	75.14	70.1	89.12	91.3	113.04	126.77
Water Heat Exchanger Condenser	Type			Shell and tube																
	Water volume		l	52	69	81	86	83	91	69	91	73	76	75	86	91	91	91	91	91
	Water volume		l	-						70	-	76		86		91				
	Water flow rate	Min	l/min	881	1,076	1,332	1,511	1,723	2,076	2,162	2,400	2,414	2,652	2,852	3,021	3,374	3,721	4,019	4,365	4,672
		Max	l/min	1,691	2,552		2,896	3,176	3,875	4,147	4,447	4,624	5,077	5,461	5,774	6,264	6,908	7,422	8,049	8,581
	Nominal water pressure drop	Cooling	kPa	50.16	39.75	42.38	46.94	59.79	64.73	40.10	83.56	47.93	48.17	49.20	46.82	44.26	61.21	60.50	79.00	
Compressor	Type			Semi-hermetic single screw compressor																
	Model	Quantity		1						2	1	2								
Sound Power		Cooling	dBA	100.9	101.7	102.6	102.7	102.0	102.9	105.2	103.8	105.6	106.1	106.5		105.8	106.2	106.6	107.1	107.5
Operation Range	Evaporator	Min~Max	°C	-4~10																
	Condenser	Min~Max	°C	25~45																
Refrigerant circuit	Refrigerant type			R-410A																
	Refrigerant charge		kg	95				110	130	120+120	130	120+120				130+130				
	No of circuits			1						2	1	2								
	Refrigerant control			Electronic expansion valve																
Power Supply				3~/400V/50Hz																
Piping connections	Evaporator water inlet/outlet			219.10						273.00										
	Condenser water inlet/outlet			5"						5"										


DAIKIN

EWLP-KAW1N

Remote Condenser

EWLP014KAW1N

MICRO CHILLER

STRENGTHS

- One of the most compact units in the market (60cm x 60cm x 60cm for models 012 to 030).
- Daikin scroll compressor.
- Standard main isolator switch.
- Basic hydraulic components : included as a kit with the unit: flow switch, air purge, filter + shut-off valves.
- Standard reverse phase protection.

OPTIONS (factory mounted)

- Chilled water temperature down to - 5°C (ZH) or -10°C (ZL).

ACCESSORIES (kit)

- Compressor soundproof material (-3dBA).
- Hydraulic module (see page 28).
- BMS gateway (MODBUS/J-BUS / BACNET protocol).
- Remote user interface.

CONTROL

- Microprocessor control.
- Water inlet temperature control.

AVAILABLE INPUTS/OUTPUTS

Input

- Remote ON / OFF.
- Pump contact.

Output

- Compressor operation.
- Summary alarm.
- Pump relay contact.

COOLING ONLY											
				012	020	026	030	040	055	065
Capacity	Cooling		kW	12.1	20.0	26.8	31.2	40.0	53.7	62.4
Nominal input	Cooling		kW	4.2	6.6	8.5	10.1	13.4	17.8	20.3
EER				2.88	3.03	3.15	3.09	2.99	3.02	3.07
Capacity Steps			%	1				2		
Dimensions	(Height x Width x Depth)		mm	600x600x600				600x600x1200		
Unit			kg	108	141	147	151	252	265	274
Water Heat Exchanger	Type			Brased plate						
	Minimum water volume in the system		l	62	103	134	155	205	268	311
	Water flow rate	Min	l/min	17	29	38	45	57	77	89
		Nominal	l/min	35	57	77	89	115	154	179
		Max	l/min	69	115	153	179	229	307	358
Sound Power		Cooling	dBA	64			71	67		74
Compressor	Type			Hermetically sealed scroll compressor						
	Model	Quantity		1				2		
Refrigerant circuit	Refrigerant type			R-407C						
	No of circuits			1				2		
	Refrigerant control			Thermostatic expansion valve						
Power Supply				3N~/400V/50Hz						
Piping connections	Evaporator water inlet/outlet			fbsp 25field installation				fbsp 40field installation		
	Liquid line connection			9.52 flare	12.7 flare			2x12.7 flare		
	Discharge line connection			12.7 flare	19.1 flare			2x19.1 flare		

EWLD-MBYN

Remote Condenser

EWLD120MBYN

pCO²

STRENGTHS

- DAIKIN stepless single screw compressor.
- Compact and modular design.
- Standard phase sequence controller.
- VICTAULIC joints.
- DICN operation as standard within same series.
- Standard discharge shut-off valve.
- Standard flow switch.
- Standard filter.

OPTIONS (factory mounted)

- Main isolator switch.
- Low noise (-6dB(A)).
- Compressor suction stop valve.
- Ampere and Voltmeter (read-out on switchbox).
- Chilled water temperature down to - 5°C (ZH) or -10°C (ZL).
- Dual pressure relief valve.

ACCESSORIES (kit)

- BMS gateway (MODBUS/J-BUS / BACNET protocol).
- Remote user interface.

CONTROL

- Microprocessor control.
- Water inlet or outlet temperature control.
- Weekly operating schedule.

AVAILABLE INPUTS/OUTPUTS

Input

- ON / OFF.
- Pump contact.
- Dual setpoint through analog signal.
- Floating set point.

Output

- Compressor operation.
- Summary alarm.
- Fan-condenser relay contacts.
- Pump relay contact.

COOLING ONLY

				120	170	240	260	340	400	480	500	540
Capacity	Cooling		kW	116.00	170.00	235.00	265.00	340.00	405.00	470.00	500.00	530.00
Nominal input	Cooling		kW	32.00	49.80	66.50	77.90	99.60	116.00	133.00	144.00	156.00
EER				3.63	3.41	3.53	3.4	3.41	3.49	3.53	3.47	3.4
Capacity Steps			%	30-100 stepless				15-100 stepless				
Dimensions	(Height x Width x Depth)		mm	1018x2681 (3051)x930	1018x2681 (3254)x930			2000x2681 (3254)x930				
Unit			kg	891	1110	1342	1428	2220	2452	2684	2770	2856
Operating Weight			kg	907	1130	1369	1462	2260	2497	2738	2831	2924
Water Heat Exchanger	Type			Brased plate, one per circuit								
	Minimum water volume in the system		l	570	830	1150	1300	830	990	1150	1220	1295
	Water flow rate	Min	l/min	175	265	350	400	525	625	700	750	800
		Nominal	l/min	333	487	674	760	975	1161	1347	1434	1520
		Max	l/min	700	1070	1400	1600	2100	2500	2800	3000	3200
Sound Power		Cooling	dBA	87	93	94	93	96				
Compressor	Type			Semi-hermetic single screw compressor								
	Model	Quantity		1				2	1	2	1	2
Refrigerant circuit	Refrigerant type			R-134a								
	No of circuits			1				2				
	Refrigerant control			Thermostatic expansion valve		Electronic expansion valve		Thermostatic expansion valve	Electronic expansion valve			
Power Supply				3~/400V/50Hz								
Piping connections	Evaporator water inlet/outlet			3" od vc field installation	3" victaulic coupling field installation							
	Liquid line connection			7/8"	1" 1/8	1" 3/8		2x1/8"	1"1/8 + 1"3/8	2x1" 3/8		
	Discharge line connection			2" 1/8			2" 5/8	2x(2"1/8)			2" 1/8 + 2" 5/8	2x(2"5/8)

EWLD-DJYNN

Water Cooled – Condenserless Chiller

EWWD260DJYNN

pCO²

STRENGTHS

- Cooling range: 161 - 526 kW
- 1-2 truly independent refrigerant circuits
- Optimised for use with R-134a
- Stepless single-screw compressor
- All models are PED pressure vessel approved
- DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- Electronic expansion device as standard

COOLING ONLY

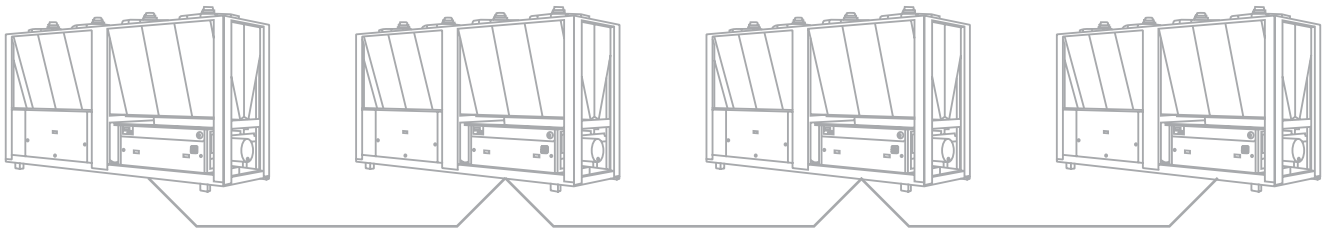
				160	190	240	270	320	360	400	420	480	550
Capacity (Eurovent)	Cooling		kW	160.6	189	244	270.4	315.5	352.2	381.1	428.3	475.7	525.9
Nominal input (Eurovent)	Cooling		kW	45.4	54.3	65.9	74.6	90.6	99.7	108.6	120	131.5	148
Capacity Steps			%	25-100 (stepless)				12.5-100 (stepless)					
EER				3.54	3.48	3.7	3.62	3.48	3.53	3.51	3.57	3.62	3.55
Dimensions	(Height x Width x Depth)		mm	1,860x1,000x3,700				1,942x1,100x4,400					
Weight	Machine weight		kg	1,280		1,398		2,442	2,446		2,501	2,506	
	Operating weight		kg	1,337		1,516		2,560			2,670		
Water Heat Exchanger Evaporator	Type			Shell and tube - direct expansion									
	Water volume		l	1,151	1,354	1,749	1,938	1,130	1,262	1,365	1,535	1,704	1,884
	Water flow rate	Min	l/min	230.20	270.90	349.74	387.58	452.22	504.83	546.25	613.90	681.84	753.80
		Nominal	l/min	460.39	541.81	699.47	775.16	904.44	1,009.65	1,092.50	1,227.81	1,363.69	1,507.60
		Max	l/min	649.15	763.95	986.26	1,092.97	1,275.27	1,423.61	1,540.42	1,731.21	1,922.80	2,125.71
	Nominal water pressure drop	Cooling	kPa	48	69	43	53	64	63	72	54		68
Compressor	Type			Semi-hermetic single screw compressor									
	Model	Quantity		1				2					
Sound Power		Cooling	dBA	88				90.5					
Operation Range	Evaporator	Min~Max	°C	-8 ~ 15									
	Condensing temperature	Min~Max	°C	25 ~ 50									
Refrigerant circuit	Refrigerant type			R-134a									
	Refrigerant charge		kg	5				10					
	No of circuits			1				2					
	Refrigerant control			Electronic expansion valve									
Power Supply				3~/400V/50Hz									
Piping connections	Evaporator water inlet/outlet			88.9		114.3					139.7		

D.I.C.N.

Daikin Integrated Chiller Network

Applicable Series:

- EWAQ080-260DAYN (R-410A)
- EWYQ080-250DAYN (R-410A)
- EWAP110-540MBYN (R-407C)
- EWTP110-540MBYN (R-407C)
- EWAD120-340MBYN (R-134a)
- EWWD120-540MBYN (R-134a)
- EWLD120-540MBYN (R-134a)



Daikin chillers can be equipped with DICN which allows the simultaneous operation of up to 4 chillers on the MB range and up to 5 chillers on the DA range as if they were a single unit, in order to deliver the required cooling capacity. This results in precise and efficient capacity control and is also useful for back up purposes, ensuring that the necessary amount of cooling is available and guaranteeing reliable operation of the chiller plant.
This function enables a Daikin 2MW chiller plant to be operated via a single controller.
Please note that DICN is only possible within the same series.

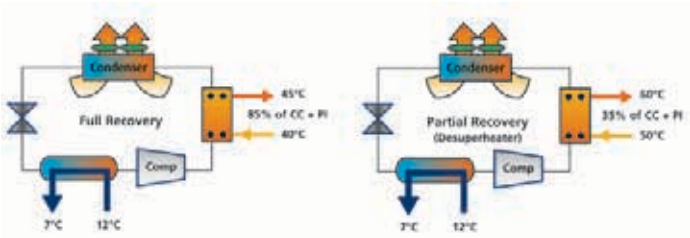
EHMC

Hydraulic Module

EHMC10-15-30AV1010

STRENGTHS

- 100l buffer tank.
- Freeze-up protection (heater tape).
- Single pump.
- 12l expansion vessel.
- Standard dual pressure ports.



Pump characteristics
1 - EHMC30AV1080
2 - EHMC10AV1080 & EHMC15AV1080
3 - EHMC30AV1010
4 - EHMC10AV1010 & EHMC15AV1010

Hydraulic module + filter pressures losses
5 - EHMC15/30AV1010 & EHMC15/30AV1080
6 - EHMC10AV1010 & EHMC10AV1080

HYDRAULIC MODULE									
			10		15		30		
			1010	1080	1010	1080	1010	1080	
Nominal flow		l/min	62		88		187		
Nominal static height		mH_2O	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		
Sond pressure		dBA	52		52		52		
Power supply		V1	230V/1~/50Hz						
Operation range	Water side	°CDB	-10°C ~ 55°C						
	Air side	°CDB	-10°C ~ 43°C						
Piping connections	Evaporator water inlet/outlet		1" BSPF		2" BSPF		2-1/2" BSPF		
	Drain connection		1/2"						

Fan coil units

- 8 models, of which 3 in flexible application
- available in 2-pipe and 4-pipe
- fashionable design
- wide range of options
- to be combined with water chiller or boiler
- washable air filter

FWB-AT Concealed Ceiling

FWD-AA Flexi Type

FWV-CA Floor Standing

FWL-CA Flexi Type

FWM-CA Flexi Type

FWT-AT Wall Mounted

FWF-AT Ceiling Mounted Cassette (600x600mm)

FWC-A Ceiling Mounted Cassette

FWB02-10AT				02	03	04	05	06	07	08	09	10
2-pipes	**COOLING**	Total Capacity (H)	kW	2.61	3.14	3.49	5.08	5.45	6.47	7.57	8.67	10.34
		Sensible Capacity (H)	kW	1.88	2.16	2.34	3.6	3.87	4.40	5.23	5.96	6.90
		Water Flow	l/h	448	539	598	873	936	1111	1299	1488	1774
		Pressure Drop	kPa	8	14	11	15	8	14	21	21	26
	HEATING	Total Capacity (H)	kW	5.47	6.01	6.47	10.31	11.39	12.28	15.05	16.85	18.78
		Water Flow	l/h	480	527	567	904	999	1077	1319	1479	1647
		Pressure Drop	kPa	7	10	8	12	7	10	16	15	18
	Power Input	H	W	106			192			294		
	Water Volume	(Std. Heat Exchanger)	l	1.1	1.5	2.2	1.6	2.1	3.2	2.1	2.8	4.2
	Fan	Air Flow Rate (H/M/L)	m3/h	400/300/180			800/600/300			1200/800/600		
		Available Pressure (H)	Pa	71			65			59		
		Speed	no.	7 speeds (high = 7, medium = 4, low = 1)								
	Sound Power Level	H/M/L	dBA	58/46/36			60/52/37			69/58/53		
	Sound Pressure Level	H/M/L	dBA	46.5/34.5/24.5			48.5/40.5/25.5			57.5/46.5/41.5		
	Dimensions	HxWxD	mm	239x1039x609			239x1389x609			239x1739x609		
	Weight		Kg	23	24	26	31	33	35	43	45	48
	Current Input	Max	A	0.51			0.94			1.28		
	Power Supply		V/~/Hz	230/1/50								
	Water Connections	(Std. Heat Exchanger)	inch.	3/4								
4-pipes	**HEATING***	Total Capacity (H)	kW	3.14			5.99			12.8		
		Water Flow Add. Heat Exchanger	l/h	275			526			1123		
		Pressure Drop Add. Heat Exchanger	kPa	3			5			8		
		Water Volume Add. Heat Exchanger	l	0.4			0.6			1.7		
		Water Connections Add. Heat Exchanger	inch.	3/4						1		
	Electronical Remote Controller + Water Probe			ECFWER6								

* Heating module available as option

FWD04-18AA*				04	06	08	10	12	16	18
2-pipe (*=TN)	COOLING	Total capacity	kW	3.90	6.20	7.80	8.82	11.90	16.4	18.3
		Sensible capacity	kW	3.08	4.65	6.52	7.16	9.36	12.8	14.1
		Water flow (H)	l/h	674	1,064	1,339	1,514	2,056	2,833	3,140
		Pressure drop (H)	kPa	17	24	24	16	26	34	45
	HEATING	Heating capacity	kW	4.05	7.71	9.43	10.79	14.45	19.81	21.92
		Water flow (H)	l/h	674	1,064	1,339	1,514	2,056	2,833	3,140
		Pressure drop (H)	kPa	14	20	20	13	21	28	37
	Available static pressure		Pa	66	58	68	64	97	145	134
	Weight		kg	33	41	47	49	65	77	80
4-pipe (*=FN)	COOLING	Total capacity	kW	3.90	6.20	7.80	8.82	11.90	16.4	18.3
		Sensible capacity	kW	3.08	4.65	6.52	7.16	9.36	12.8	14.1
		Water flow (H)	l/h	674	1,064	1,339	1,514	2,056	2,833	3,140
		Pressure drop (H)	kPa	17	24	24	16	26	34	45
	HEATING	Heating capacity	kW	4.49	6.62	9.21	9.21	15.86	21.15	21.15
		Water flow (H)	l/h	349	581	808	808	1,392	1,856	1,856
		Pressure drop (H)	kPa	9	15	13	13	12	16	16
	Available static pressure		Pa	63	53	63	59	92	138	128
	Weight		kg	35	43	50	52	71	83	86
2- pipe / 4-pipe	Air flow rate		m^3/h	800	1,250	1,600	1,600	2,200	3,000	3,000
	Power input		W	234	349	443	443	714	1,197	1,197
	Water connections		inch	3/4	3/4	3/4	3/4	1	1	1
	Max. absorbed current		A	0.95	1.58	1.97	1.97	3.21	5.37	5.37
	Dimensions (HxWxD)		mm	280x754x559	280x964x559	280x1,174x559		352x1,174x718	352x1,384x718	
	Sound power level		dBA	66	69	72	72	74	78	78
	Power supply		V/ ~ /Hz	230/1/50						
	Electronical Remote Controller + Water Probe		FWV/FWL/FWM	ECFWDER6						

FWV/FWL/FWM01-10CA**				01	02	03	04	06	08	10
2-pipe (**=TN or TV)	COOLING	Total capacity (H)	kW	1.54	2.09	2.93	4.33	4.77	6.71	8.02
		Sensible capacity (H)	kW	1.20	1.51	2.11	3.15	3.65	4.91	5.96
		Water flow	l/h	265	359	504	745	820	1,154	1,343
		Pressure drop	kPa	13	13	11	12	14	12	19
	HEATING	Total capacity (H)	kW	2.14	2.57	3.81	5.63	6.36	7.83	10.03
		Water flow	l/h	265	359	504	745	820	1,154	1,343
		Pressure drop	kPa	9	10	9	9	10	9	16
	Power input	H	W	37	53	56	98	98	182	244
	Water volume		l	0.5	0.7	1	1.4	1.4	2.1	2.1
	Air flow	H/M/L	m^3/h	319/233/178	344/271/211	442/341/241	706/497/361	785/605/470	1,011/771/570	1,393/1,022/642
	Sound power level	H/M/L	dBA	45/39/33	50/44/38	47/41/33	52/43/35	56/49/43	61/54/47	66/59/49
	Weight	FWV	kg	19	20	25	30	31	41	41
		FWM	kg	14	15	19	23	23	32	32
		FWL	kg	20	21	27	32	33	44	44
4-pipe(**=FN or FV)	COOLING	Total capacity (H)	kW	1.46	1.90	2.87	4.33	4.67	6.64	7.88
		Sensible capacity (H)	kW	1.14	1.51	2.07	3.15	3.57	4.85	5.85
		Water flow	l/h	251	327	494	745	803	1,142	1,355
		Pressure drop	kPa	13	13	11	12	14	12	19
		Water volume	l	0.5	0.7	1	1.4	1.4	2.1	2.1
	HEATING	Heating capacity (H)	kW	1.90	2.10	3.08	5.05	5.30	7.91	9.30
		Water flow	l/h	196	182	286	396	465	694	816
		Pressure drop	kPa	7	8	5	10	10	8	9
		Water volume	l	0.2	0.2	0.3	0.4	0.4	0.6	0.6
	Power input	H	W	37	53	56	98	98	182	244
	Air flow	H/M/L	m^3/h	307/225/174	327/261/205	431/332/238	690/490/356	763/593/460	998/765/565	1,362/1,007/636
	Sound power level	H/M/L	dBA	45/39/33	50/44/38	47/41/33	52/43/35	56/49/43	61/54/47	66/59/49
	Weight	FWV	kg	20	21	26	32	33	44	44
		FWM	kg	15	16	20	25	25	34	34
		FWL	kg	21	22	28	34	35	46	46
2- pipe / 4-pipe	Water connections		inch	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"
	Max. absorbed current		A	0.17	0.24	0.25	0.44	0.43	0.80	1.12
	Dimensions	FWV/FWL (HxWxD)	mm	564x774x226		564x984x226	564x1,194x226		564x1,404x251	
		FWM (HxWxD)	mm	535x584x224		535x794x224	535x1,004x224		535x1,214x249	
	Power supply		V/ ~ /Hz	230/1/50						
	Electronical Remote Controller + Water Probe		FWV/FWL/FWM	ECFWER6						
	Electronical Built-in Controller + Water Probe		FWV/FWL	ECFWEB6						

** = TN (2-pipe, without valves), TV (2-pipe, with valves), FN (4-pipe, without valves), FV (4-pipe, with valves).

FWT02-06AT

				02	03	04	05	06
2-pipes	**COOLING**	Total Capacity (H)	kW	2.34	2.78	3.22	4.54	5.28
		Sensible Capacity (H)	kW	1.74	2.03	2.35	3.65	4.33
		Water Flow	l/h	402	478	554	781	908
		Pressure Drop	kPa	48.3	64.7	69.3	50.3	69.3
	HEATING	Total Capacity (H)	kW	3.02	3.75	4.1	6.01	6.74
		Water Flow	l/h	402	478	554	781	908
		Pressure Drop	kPa	42.0	58.6	60.6	50.6	70.6
	Power Input	H	W	24.0	25.0	29.0	66.0	69.0
	Water Volume	(Std. Heat Exchanger)	l	0.49	0.57	0.57	0.85	0.85
	Fan	Air Flow Rate (H/M/L)	m3/h	467/382/297	510/425/340	586/484/374	1070/833/748	1121/985/799
		Speed	no.	3 speeds (High, Medium, Low)				
	Sound Power Level	H/M/L	dBA	53/48/44	53/47/43	55/49/44	61/57/55	64/61/59
	Sound Pressure Level	H/M/L	dBA	40/35/29	39/34/28	42/36/29	49/44/42	50/48/45
	Dimensions	HxWxD	mm	260x799x198	260x899x198		304x1062x222	
	Weight		Kg	10	12		16	
	Current Input	Max	A	0.11	0.11	0.13	0.29	0.3
	Power Supply		V/~/Hz	220-240/1/50				
	Water Connections	(Std. Heat Exchanger)	inch.	1/2				
	Remote Control	Wired		MERCA				
		Infrared (Cooling Only / Heat Pump)		WRC COA/WRC HPA				

FWF02-04AT

				02	03	04
2-pipes	**COOLING**	Total Capacity (H)	kW	2.34	4.1	4.25
		Sensible Capacity (H)	kW	1.97	3.06	3.24
		Water Flow	l/h	402	705	731
		Pressure Drop	kPa	67.3	68.6	68.8
	HEATING	Total Capacity (H)	kW	3.22	5.12	5.42
		Water Flow	l/h	402	705	731
		Pressure Drop	kPa	61.9	70.5	71.2
	Power Input	H	W	51.0	75.0	78.0
	Water Volume	(Std. Heat Exchanger)	l	0.56	1.15	1.15
	Fan	Air Flow Rate (H/M/L)	m3/h	662/630/594	662/630/594	731/695/662
		Speed	no.	3 speeds (High, Medium, Low)		
	Sound Power Level	H/M/L	dBA	54/53/51	53/52/50	56/55/53
	Sound Pressure Level	H/M/L	dBA	44/43/42	44/42/41	47/46/44
	Dimensions	HxWxD	mm	250x550x550		
	Weight		Kg	22	23	
	Current Input	Max	A	0.22	0.3	0.34
	Power Supply		V/~/Hz	220-240/1/50		
	Water Connections	(Std. Heat Exchanger)	inch.	3/4		
	Remote Control	Wired		MERCA		
		Infrared (Cooling Only / Heat Pump)		WRC COA/WRC HPA		

FWC07-12AT

				07	08	10	11	12
2-pipes	**COOLING**	Total Capacity (H)	kW	6.63	7.50	8.80	9.95	10.80
		Sensible Capacity (H)	kW	4.90	5.40	6.40	7.10	7.70
		Water Flow	l/h	1140	1290	1514	1711	1858
		Pressure Drop	kPa	24.8	30.8	41.6	52.2	69.3
	HEATING	Total Capacity (H)	kW	8.40	9.50	11.00	12.00	12.90
		Water Flow	l/h	1140	1290	1514	1711	1858
		Pressure Drop	kPa	21.4	26.8	35.3	45.2	64.1
	Power Input	H	W	127	151	164	192	253
	Water Volume	(Std. Heat Exchanger)	l	2.69				
	Fan	Air Flow Rate (H/M/L)	m3/h	1310/1130/1070	1380/1180/1070	1560/1320/1210	1740/1530/1340	1840/1680/1540
		Speed	no.	3 speeds (High, Medium, Low)				
	Sound Power Level	H/M/L	dBA	52/50/49	55/52/50	60/56/54	61/59/57	64/63/61
	Sound Pressure Level	H/M/L	dBA	42/39/37	45/42/40	49/45/43	51/48/46	53/52/50
	Dimensions	HxWxD	mm	335x820x821				
	Weight		Kg	31	32	35	38	40
	Current Input	Max	A	0.52	0.64	0.68	0.79	1.06
	Power Supply		V/~/Hz	220-240/1/50				
	Water Connections	Std. Heat Exchanger	inch.	3/4				
	Remote Control	Wired		MERCA				
		Infrared (Cooling Only / Heat Pump)		WRC COA/WRC HPA				

FWC02-06AF

				02	03	04	05	06
4-pipes	**COOLING**	Total Capacity (H)	kW	3.81	3.96	4.63	5.01	5.16
		Sensible Capacity (H)	kW	3.4	3.52	4.07	4.4	4.54
		Water Flow	l/h	655	681	796	862	888
		Pressure Drop	kPa	3.56	3.78	4.94	5.70	5.96
	HEATING	Total Capacity (H)	kW	10.55	10.99	12.51	13.48	13.77
		Water Flow Heat Exchanger	l/h	907	945	1076	1159	1184
		Pressure Drop Heat Exchanger	kPa	4.80	5.50	7.20	8.60	8.90
	Power Input	H	W	122	138	153	184	232
	Water Volume	(Std. Heat Exchanger)	l	2.69				
	Fan	Air Flow Rate (H/M/L)	m3/h	1310/1130/1070	1380/1180/1070	1560/1320/1210	1740/1530/1340	1840/1680/1540
		Speed	no.	3 speeds (High, Medium, Low)				
	Sound Power Level	H/M/L	dBA	52/50/49	55/52/50	60/56/54	61/59/57	64/63/57
	Sound Pressure Level	H/M/L	dBA	42/39/37	45/42/40	49/45/43	51/48/46	53/52/50
	Dimensions	HxWxD	mm	335x820x821				
	Weight		Kg	31	32	35	38	40
	Current Input	Max	A	0.53	0.61	0.67	0.80	1.02
	Power Supply		V/~/Hz	220-240/1/50				
	Water Connections	Std. Heat Exchanger	inch.	3/4				
		Additional Heat Exchanger	inch.	3/4				
	Remote Control	Wired		MERCA				
		Infrared (Cooling Only / Heat Pump)		WRC COA/WRC HPA				

Ururu Air Purifier

MCK75JVM-K

MCK75JVM-K

Humidification and airpurification in one

There are many substances in the air we breathe such as allergens, bacteria, virus and tobacco smoke, which can cause health to suffer. During the wintertime, dryness is especially a big issue

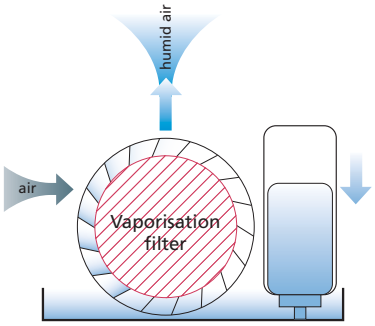
The Daikin Ururu Air Purifier moisturises the air inside your home and relieves the effects of dry air. Just fill the 4 litre tank occasionally and it will humidify your room with a maximum volume of 600ml/h.

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

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.



The 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.

It has a low noise level making it ideal for use in bedrooms during the night. The unit includes a pleated filter, with 6 spares.

MCK75JVM-K							
Model			MCK75JVM-K				
Type			Humidifying air purifier				
Power supply			1~/220-240/220-230V/50/60Hz				
Dimensions	HxWxD	mm	590x395x268				
Colour			Black (Panel colour: silver)				
Weight		kg	11				
Dust collecting method			Plasma ionizer + Electrostatic dust collection filter				
Deodorising method			Flash Streamer + Titanium apatite photocatalytic filter + Deodorising catalyst				
Air filter			Polypropylene net with catechin				
Air purifying operation			**Turbo**	**H**	**M**	**L**	**Silent**
Power input		kW	0.081	0.035	0.018	0.011	0.008
Sound pressure level		dBA	50	43	36	26	17
Air flow rate		m^3/h	450	330	240	150	60
Applicable room area		m^2	46				
Humidifying operation			**Turbo**	**H**	**M**	**L**	**Silent**
Power input		kW	0.084	0.037	0.020	0.013	0.012
Sound pressure level		dBA	50	43	36	26	23
Air flow rate		m^3/h	450	330	240	150	120
Humidification		ml/h	600	470	370	290	240
Water tank capacity		l	4				

Photocatalytic Air Purifier

MC707VM-S

MC707VM-S

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

Pure air for free and healthy breathing

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

Flash Streamer unit

polluted air >

Pre-filter (with catechin*)
Removes large dust particles and pet hairs.

>

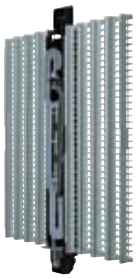
Bio-Antibody Filter
Airborne viruses are captured and removed.

>

Plasma Ionizer
Dust and pollen are positively charged and sent to the Electrostatic Filter.

>

Flash Streamer
High-speed electrons are generated by the Flash Streamer. These electrons powerfully break down odours and formaldehyde.



>

Electrostatic Dust Collection Filter (front)
Positively charged dust and pollen are adsorbed by the negatively charged filter.

Titanium Apatite Photocatalytic Filter (back)
Odour, bacteria and viruses are adsorbed and decomposed.

PLEATED FILTER*

>

Deodorising Catalyst
Odours are adsorbed and broken down before the air is returned to the room.

> **purified air**

* Catechin is a natural anti-bacterial substance derived from tea leaves that kills germs that can attach to these particles.

* The filtering surface of a pleated filter is approximately 1.5 times larger than that of a conventional flat filter.

MC707VM-S								
Model			MC707VM-S					
Power supply			1~, 220-240/220-230V, 50/60Hz					
Dimensions	HxWxD	mm	533x425x213					
Colour			Sparkling silver + metallic ocean blue					
Weight		Kg	8.7					
Mode (50Hz)			**Turbo**	**H**	**M**	**L**	**Silent**	
Power input		kW	0.055	0.023	0.014	0.010	0.008	
Sound pressure level		dB(A)	47	38	31	24	16	
Sound power level		dB(A)	62	52	40	39	31	
Air flow rate		m^3/h	420	285	180	120	60	
Dust collecting method			Plasma ionizer (electrostatic dust collection) + Electrostatic dust collection filter					
Deodorising	Method		Flash Streamer + Titanium apatite photocatalytic filter + Deodorising catalyst					
	Deodorising performance (%)		95					
	Regenerate method		The Flash Streamer activates the photocatalytic reaction					
Bacteria filtering method			Bio-Antibody filter + Flash Streamer + Titanium apatite photocatalytic filter					
Filter	Dust collection and deodorisation	Form	Pleated filter					
		Function	Deodorisation + disinfection + dust collection + adjuvant removal					
		Lifetime	1 filter/1 year					
	Bio-Antibody filter		New					
	Pre-filter		Catechin pre-filter					

POWER SUPPLY

T1 = 3~, 220V, 50HZ
V1 = 1~, 220-240V, 50HZ
VE = 1~, 220-240V, 50HZ/60HZ
V3 = 1~, 230V, 50HZ
VM = 1~, 220~240V/220~230V, 50HZ/60HZ
W1 = 3N~, 400V, 50HZ
Y1 = 3~, 400V, 50HZ

MEASURING CONDITIONS

COOLING ONLY	
1) nominal cooling capacities are based on:	
indoor temperature	27°CDB/19°CWB
outdoor temperature	35°CDB
refrigerant piping length	7.5m
level difference	0m

HEAT PUMP	
1) nominal cooling capacities are based on:	
indoor temperature	27°CDB/19°CWB
outdoor temperature	35°CDB
refrigerant piping length	7.5m
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
level difference	0m

CHILLERS:			
Air-cooled	cooling only	evaporator: 12°C/7°C	ambient: 35°C
	heat pump	evaporator: 12°C/7°C	ambient: 35°C
		condenser: 40°C/45°C	ambient: 7°CDB/6°CWB
Water-cooled	cooling only	evaporator: 12°C/7°C	
		condenser: 30°C/35°C	
	heating only	evaporator: 12°C/7°C	
		condenser: 40°C/45°C	
Remote condenser		evaporator: 12°C/7°C	
		condensing temperature: 45°C / liquid temperature: 40°C	
Remote evaporator	cooling capacity/power input conditions	suction dew point: 5°C	ambient: 35°C
		superheat: 10°C	
Fan coil units	cooling	room temperature: 27°C/19°C	
		entering water temperature: 7°C/12°C	
	heating	room temperature: 20°C	
		water inlet temperature: 50°C (2-pipe) / 70°C (4-pipe)	
		water inlet temperature: 70°C (2-pipe & 4-pipe) FWB only	

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.

'We Care' Icons

A number of 'We Care' icons are highlighted in green throughout the catalogue to indicate product features that have an impact on reducing energy consumption:

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

Fan only
The air conditioner can be used as fan, blowing air without cooling or heating.

Econo mode
This function decreases the power consumption so that other applicances that need large power consumption can be used.

Energy efficiency
Daikin air conditioners are energy efficient and economical.

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.

Vertical auto swing
Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.

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

Horizontal auto swing
Possibility to select automatic horizontal moving of the air discharge louvre, for uniform air flow and temperature distribution.

Infrared remote control
Infrared remote control with LCD to start, stop and regulate the air conditioner from a distance.

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.

Ceiling soiling prevention
A special function prevents air blowing out too long in horizontal position, to prevent ceiling stains.

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

Self-diagnosis
Simplifies maintenance by indicating system faults or operating anomalies.

Auto cooling-heating changeover
Automatically selects cooling or heating mode to achieve the set temperature (heat pump types only).

Scroll compressor
Silent, reliable Daikin compressor used in medium sized outdoor units.

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

Single screw compressor
Compact, high efficient, silent reliable Daikin compressor.
Maintenance free (inspection only after 40,000 hours of operation)

Auto fan speed
Automatically selects the necessary fan speed to reach or maintain the set temperature.

Wired remote control
Wired remote control to start, stop and regulate the air conditioner from a distance.

Fan speed steps
Allows to select up to the given number of fan speed.

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.

Low noise
Daikin indoor and outdoor units have some of the lowest noise levels available.

Double thermostat function
Controls the temperature via a sensor on the air conditioner or via a sensor on the remote control.

Air filter
Removes airborne dust particles to ensure a steady supply of clean air.

Air purification filter
Removes airborne dust particles and prevents the propagation of bacteria and viruses 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.

Drain pump kit
Facilitates condensation draining from the indoor unit.

Twin/triple/double twin application
2, 3 or 4 indoor units can be connected to only 1 outdoor unit 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.

Super multi plus
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.

Centralised control
Centralised control to start, stop and regulate several air conditioners from one central point.

Comfortable sleeping mode
Increased comfort function that follows a specific temperature fluctuation rhythm.

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

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

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.

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.

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.

New Icons for 2009

2 area intelligent eye
The air flow is sent to a zone other than where the person is located at that moment. If two people are detected in the room, the movement sensor, together with the comfort mode (cooling directed at the ceiling, heating directed at the floor), will see to it that the air flow is projected away from the occupants. If no people are detected, 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.

Weekly timer
Timer can be set to start heating or cooling anytime on a daily or weekly basis

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

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

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

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DAIKIN UK
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UNITS

Visit **www.eca.gov.uk/etl** and type 'Daikin' in the quick search box for details of the latest ECA qualifying Daikin units

Daikin UK is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

Daikin units comply with the European regulations that guarantee the safety of the product.

ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.

Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units. VRV products, Rooftops, FWB-J and FWD-units are not within the scope of the Eurovent Certification Programme.

UKEPCEN09-500 / 02.09 / Swim / La Movida. Copyright 2008 Daikin.
The present publication supersedes UKEPCEN08-500_P
Printed in the UK on paper that is 50% recycled and 50% from sustainable sources.