

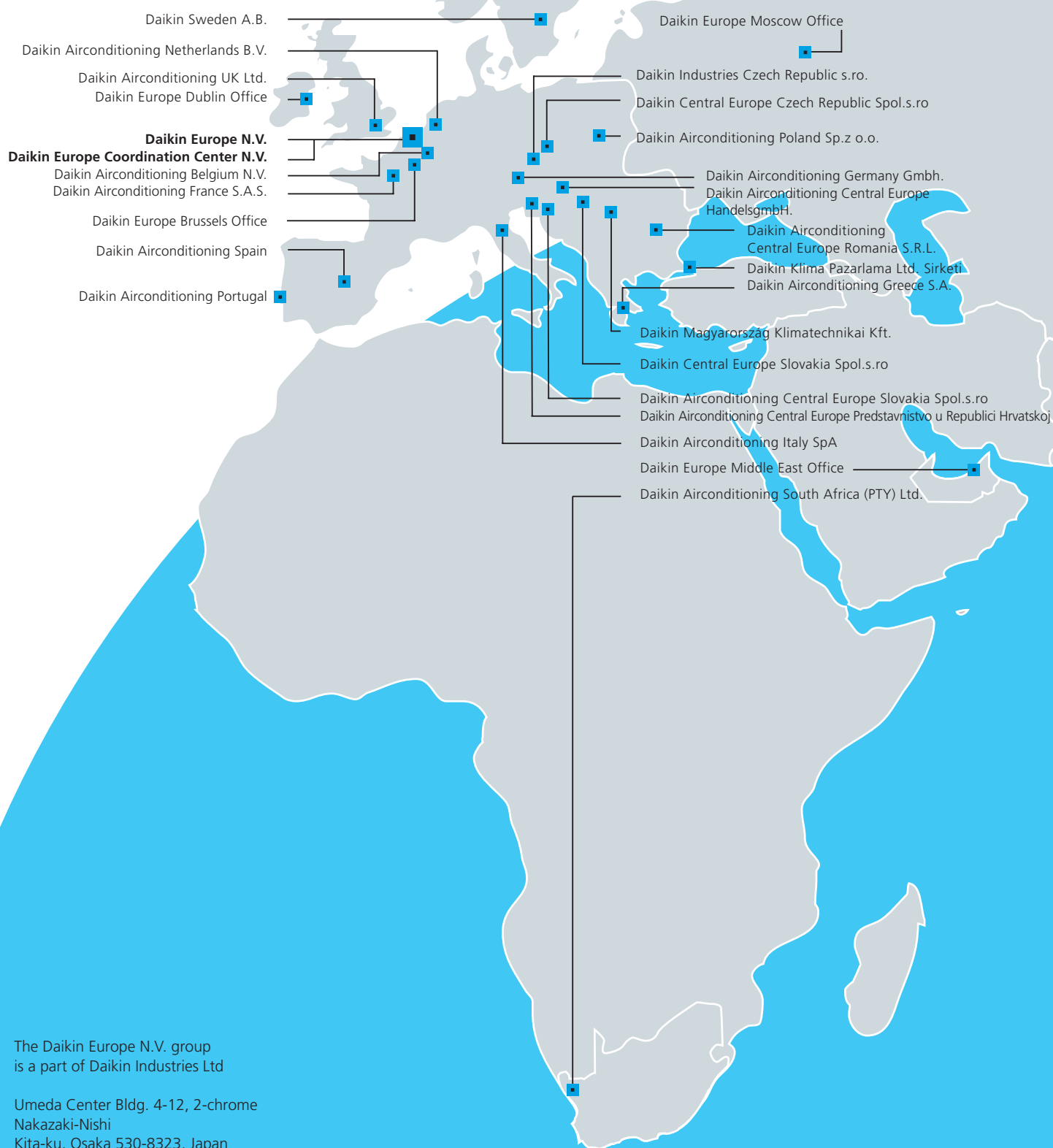


Air Conditioning Systems



RESIDENTIAL & COMMERCIAL CATALOGUE 2008

www.daikinafrica.com





Foreword

THE LEADER IN MANUFACTURING QUALITY AND CUSTOMER SERVICE

Since our establishment in Ostend (Belgium) in 1972, we have updated and expanded our manufacturing facilities, including those opened more recently in Plzen and Brno (Czech Republic) and Cecchina (Italy) – through the acquisition of McQuay - to a point where they are now acknowledged as the most advanced in their field in Europe. Furthermore, all our plants benefit from our Japanese parent's policy of zero defect production, super efficient supply chain management and unrivalled research and development support.

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, as well as numerous independent distributors throughout Europe, Africa and the Middle East supported by several head offices in Ireland, Russia, Turkey, South Africa and the Middle East. Experienced and professional support of this order enables us to maintain an enviable close relationship with international markets, tailor our product programme to suit precise regional requirements and respond quickly and efficiently to any area of potential market expansion.

THE LEADER IN PRODUCT QUALITY

Daikin produces a highly energy efficient and comprehensive range of quality indoor climate control products and systems for commercial, residential and industrial applications. Our product portfolio is based on four distinct core 'pillars':

- 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

Each pillar harnesses advanced technologies to deliver maximum energy efficiency and minimum fuel consumption and running costs throughout the equipment life cycle. The width of our product range is also extensive and embracing in its coverage of these key indoor climate control disciplines to a point where we are confident of its ability to meet the requirements of our end user, specifier, contractor and installer customer base at all times.

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. We seek to operate a zero waste and zero emissions policy in our manufacturing plants. 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 less CO₂ emissions than are achievable with fossil fuel burning systems. Also their incorporation of numerous detailed features such as inverter control, heat recovery, economy and quiet operating modes, movement sensors among others, enhance user comfort without compromise to either efficiency or the environment.

Thus, the products contained in this catalogue are designed to represent the best possible answer to your air conditioning needs. Feel free to contact your local Daikin representative for further information and assistance. We are here to serve you!

THE FUTURE LEADER

Daikin's position at the forefront of air conditioning manufacturing and marketing is well established and widely acknowledged. Nevertheless, over the last few years we widened our product portfolio in order to offer customers a more comprehensive choice of indoor climate control solutions for the home, in business and at play. The successful moves into heat pump heating for residential and commercial applications and medium to low temperature refrigeration for retail and wholesale food outlets are testament to this policy. But our search for innovative solutions is ongoing and there will certainly be many more successes to come. The common denominators however, will remain, as they are today, the provision of individual comfort allied to innovation, quality, energy efficiency and environmental acceptability.



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To consult the explanation of the *pictogrammes*, please refer to page 58 of this catalogue.

Energy Labeling

Energy labeling is part of a wider European Climate Change program that targets energy efficiency as one method of reducing CO₂ 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	$3.20 \geq EER > 3.00$
C	$3.00 \geq EER > 2.80$
D	$2.80 \geq EER > 2.60$
E	$2.60 \geq EER > 2.40$
F	$2.40 \geq EER > 2.20$
G	$2.20 \geq EER$

<h2>Energy</h2> <p>Manufacturer Outside unit Inside unit</p>		
<p>More efficient</p> <div> <div>A</div> <div>B</div> <div>C</div> <div>D</div> <div>E</div> <div>F</div> <div>G</div> </div> <p>Less efficient</p>		
<p>Annual energy consumption, kWh in cooling mode <small>(Actual consumption will depend on how the appliance is used and climate)</small></p> <p>Cooling output kW</p> <p>Energy efficiency ratio <small>Full load (the higher the better)</small></p>		
Type	<p>Cooling only —</p> <p>Cooling + Heating —</p> <p>Air cooled —</p> <p>Water cooled —</p>	
<p>Heat output kW</p> <p>Heating performance <small>A: higher G: lower</small></p>		
<p>Noise <small>(dB(A) re 1 pW)</small></p>		
<p>Further information is contained in product brochures</p>		
<p>Air-conditioner Energy Label Directive 2002/31/EC</p>		

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	$EER > 3.60$
B	$3.60 \geq EER > 3.40$
C	$3.40 \geq EER > 3.20$
D	$3.20 \geq EER > 2.80$
E	$2.80 \geq EER > 2.60$
F	$2.60 \geq EER > 2.40$
G	$2.40 \geq EER$

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.



MC707VM-W MC707VM-S

Photocatalytic Air Purifier



PURE AIR FOR FREE AND HEALTHY BREATHING

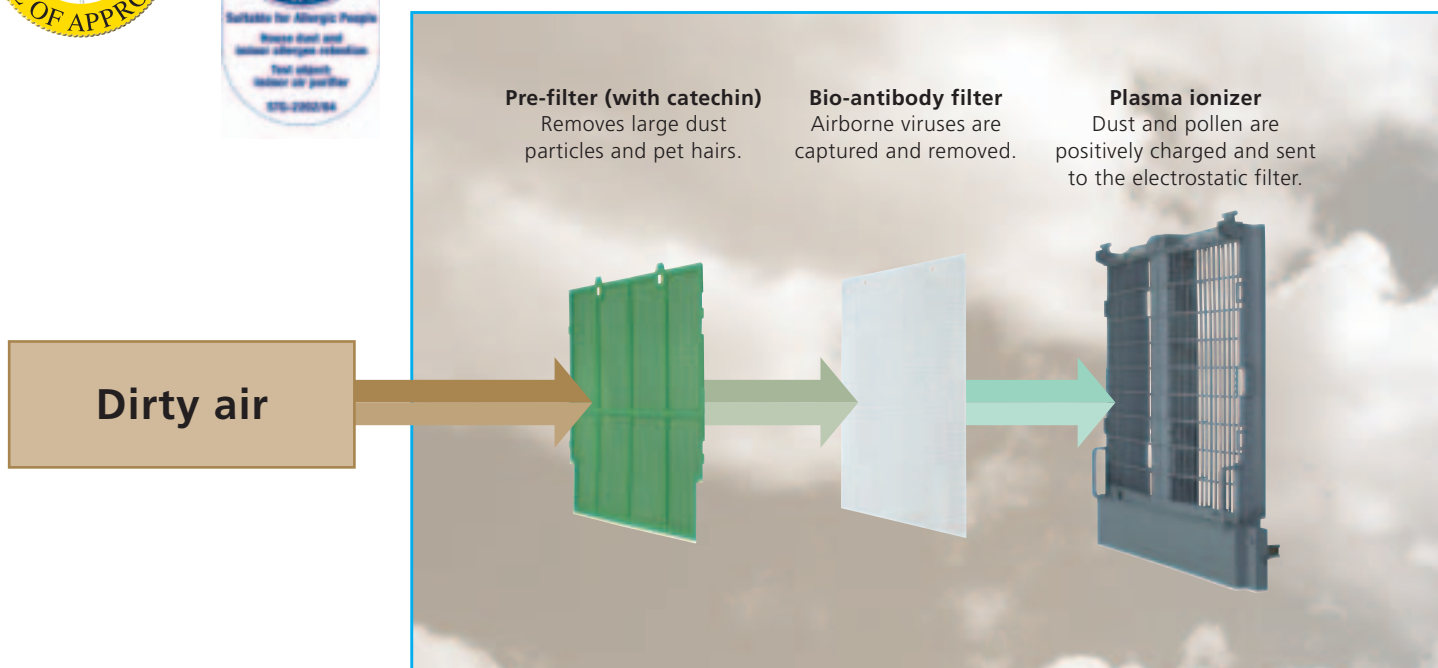
- stylish design
- improved performance
- unprecedented comfort
- super quiet operation
- easy to maintain
- portable
- no installation

THREE TIMES PURIFICATION, A GOOD DEED FOR YOUR HEALTH

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

- allergen removal
- virus and bacteria removal
- odour removal

Daikin has already received great praise for its air purifiers: a UK allergy certificate and the daikin TÜV award confirm the efficiency of our units.





MC707VM-W

MC707VM-S

MC707VM-W/S

Model			MC707VM-W/S				
Power supply			1~, 220-240/220-230V, 50/60Hz				
Dimensions		HxWxD	mm		533x425x213		
Colour			(W) = White + sparkling silver or (S) = 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		m³/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				

Flash Streamer unit

Flash Streamer

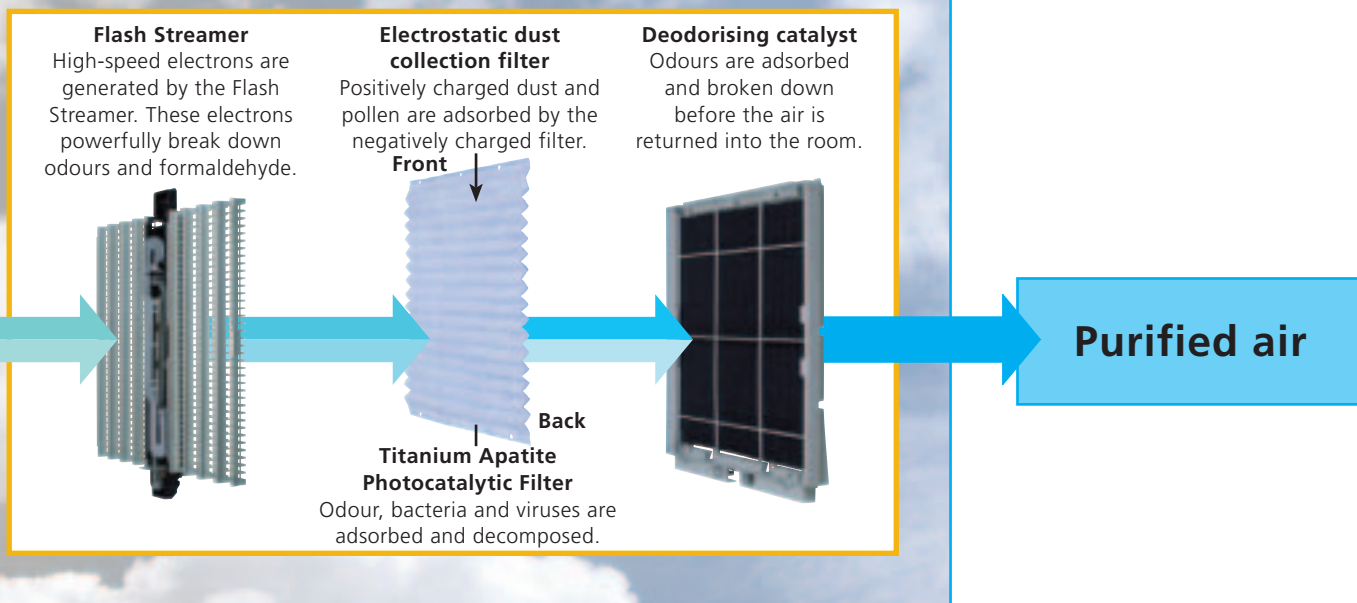
High-speed electrons are generated by the Flash Streamer. These electrons powerfully break down odours and formaldehyde.

Electrostatic dust collection filter

Positively charged dust and pollen are adsorbed by the negatively charged filter.

Deodorising catalyst

Odours are adsorbed and broken down before the air is returned into the room.





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.

Residential & Commercial

1. Wall mounted unit

FTXR-E / RXR-E
FTXG-E / RXG-E
FTKS-F / RKS-F
FTN-F / RN-E
FAQ-B / RR-B

2. Concealed ceiling units

FBQ-B / RKS-G
FBQ-B / RN-E
FBQ-B / RR-B
FBQ-B / REQ-B
FDQ-B / RR-B
FDEQ-B / REQ-B
FDYP-B / RP-B

3. Cassette units

11	FFQ-B / RKS-G	26
13	FFQ-B / RN-E	27
14	FCQ-C / RKS-G	28
15	FCQ-C / RN-E	29
16	FCQ-C / RR-B	30
	FCQ-C / REQ-B	31

4. 4-Way blow ceiling suspended cassettes

18		
19	FUQ-B / RR-B	32
20		

5. Ceiling suspended units

21		
22		
23	FHQ-B / RN-E	34
24	FHQ-B / RR-B	35
	FHQ-B / REQ-B	36

6. Rooftops

	UATP-A	37
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Ururu Sarara



URURU SARARA

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. The unit is fitted with filters that also filter dust, pollen and smoke. You can also adjust the air purification to meet your specific needs. Thanks to the ventilation system, contaminated indoor air in a space is replaced with fresh outdoor air.

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. Thanks to the perfect combination of humidification and air conditioning, your room heats evenly.

SARARA dehumidification: **Feel the difference!**

When humidity is too high, the SARARA dehumidification system ensures that it is lowered without changing the room temperature. That is ideal for you, because lower humidity means you feel more comfortable.

- The ideal humidity
- Comfortable air flow
- Powerful air purification
- Stylish design (good design award)
- Energy saving and high efficiency: one unit of energy is converted into more than five units of energy for cooling or heating



Wall Mounted Unit



FTXR28.42.50F

RXR28.42.50F

-

INVERTER

Outdoor Unit				RXR28EV1B9	RXR42EV1B9	RXR50EV1B9
Dimensions		(Height x Width x Depth)		693x795x285		
Weight				48		
Operation Range	Cooling	Min~Max	°CDB	-10~43		
	Heating	Min~Max	°CWB	-20~18		
Sound Power		Cooling	dBA	60	62	
Sound Pressure (Standard)		Cooling	dBA	46	48	
		Heating	dBA	46	48	50
Refrigerant		Type		R-410A		
Power Supply				1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.52 / 18		
Piping Length (Maximum)		m		10		



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

STYLISH AND COMPACT DESIGN

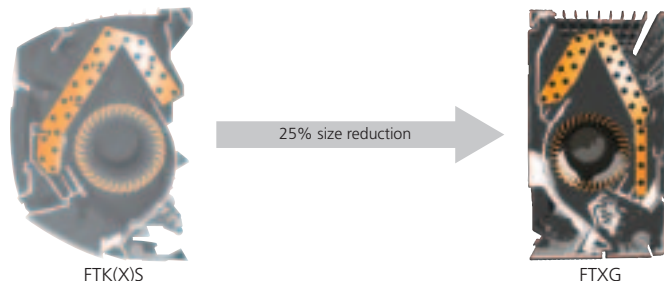
Daikin succeeded in creating an indoor unit with such a sleek profile, that you won't believe it is an air conditioning unit. In standby mode, the discharge opening is closed, resulting in a compact depth of only 15cm.

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



- 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 it realized substantial energy savings compared to conventional models by achieving an industrial top class EER of 4.03 and COP of 4.15.

These top of the class values are achieved by the following 3 technologies:

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

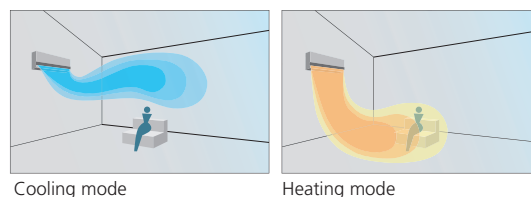


CLEAN AND COMFORTABLE AIR FLOW

For the first time in history, a titanium apatite photocatalytic air purification filter is integrated in an air conditioning unit. This to increase the active surface area for effective purification and deodorisation, even when a high volume of air is required.

Super quiet:

The indoor/outdoor unit silent operation function brings us comfort by offering an industry top-level quiet operation of 22dB(A) for the indoor unit and 43dB(A) for the outdoor unit.



COMFORT MODE

The new wide-angle distribution flap reassures draught free operation. During cooling operation the flap angle turns horizontally to prevent cold air blowing directly on the body, while during heating operation it turns downward vertically to send the warm air directly to the feet.



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.



FTXG-E / RXG-E

Wall Mounted Unit



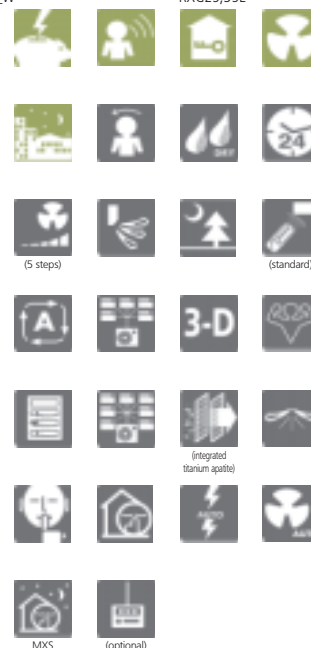
ARC433A41

FTXG25,35E_S

FTXG25,35E_W

RXG25,35E

- State of the art design: sleek, compact and stylish outlook
- Available in 2 colour variations: mat crystal white and mat crystal silver
- Lightweight and compact
- Easy to clean flat suction grille
- Superb energy efficiency
- Movement sensor saves power consumption in unoccupied rooms
- Comfort mode reassures draught free operation thanks to the new wide angle distribution flap
- 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 mode can be selected for rapid cooling or heating
- Indoor / outdoor unit silent operation



HEAT PUMP

INVERTER

Indoor Units				FTXG25EV1BW	FTXG25EV1BS	FTXG35EV1BW	FTXG35EV1BS
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	
EER / COP	Cooling / Heating			4.03 / 4.15		3.30 / 3.72	
Annual energy consumption			kWh	310		530	
Energy Label	cooling / heating			A / A			
Dimensions	(Height x Width x Depth)		mm	275x840x150			
Weight				kg 9.0			
Air Flow Rate	Cooling	High/Medium/Low/Silent Operation	m³/min	7.7 / 6.1 / 4.7 / 3.8		8.1 / 6.5 / 4.9 / 4.1	
	Heating	High/Medium/Low/Silent Operation	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	High/Medium/Low/Silent Operation	dBA	38.0 / 32.0 / 25.0 / 22.0		39.0 / 33.0 / 26.0 / 23.0	
	Heating	High/Medium/Low/Silent Operation	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	
Operation Range	Cooling	Min~Max	°CDB	10.0~46.0	
	Heating	Min~Max	°CWB	-15.0~20.0	
Sound Power	Cooling		dBA	61.0	62.0
Sound Pressure (Standard)	Cooling		dBA	46.0	47.0
	Heating		dBA	47.0	48.0
Refrigerant				Type R-410A	
Power Supply				1~/230V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain			mm 6.35 / 9.52 / 18	
Piping Length (Maximum)				m 20	
Max. internunit level difference				m 15.0	



FTKS-F / RKS-F

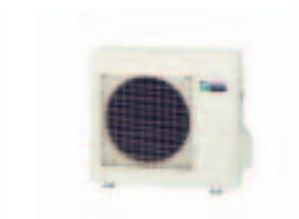
Wall Mounted Unit



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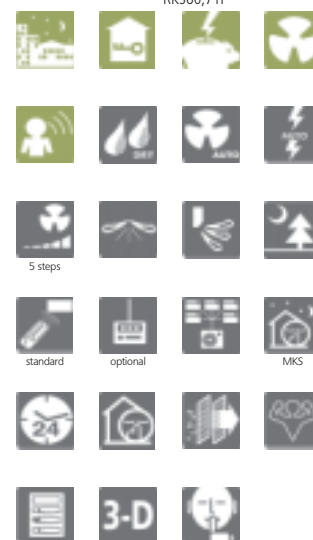


FTKS60,71F



RKS60,71F

- Flat front panel: its stylish appearance blends easily within any interior décor and is more easy to clean.
- Lightweight and compact
- Home leave operation saves energy during absence
- 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



COOLING ONLY

INVERTER

Indoor Units				FTKS60FV1B	FTKS71FV1B
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	High/Medium/Low/Silent Operation	m³/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	High/Medium/Low/Silent Operation	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				RKS60FV1B	RKS71FV1B
Dimensions	(Height x Width x Depth)		mm	735x825x300	770x900x320
Weight			kg	47	71
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46
Sound Power		Cooling	dBA	63	66
Sound Pressure (Standard)		Cooling	dBA	49 / 46	52
Sound Level (Night quiet)		Sound Pressure	dBA	-	49
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



FTN-F / RN-E

Wall Mounted Unit



ARC433A72



FTN50,60F



RN50,60E

- Flat front panel: its stylish appearance blends easily within any interior décor and is more easy to clean,
- Lightweight and compact
- Titanium apatite photocatalytic air purification filter
- Powerful mode can be selected for rapid cooling
- Auto-swing function ensures efficient air and temperature distribution,



COOLING ONLY

NON-INVERTER

Indoor Units				FTN50FV1B	FTN60FV1B
Nominal Capacity	Cooling capacity	Standard	kW	5.0	6.0
		Minimum	kW	-	-
		Maximum	kW	-	-
EER	Nominal			3.23	3.02
Annual energy consumption			kWh	775	995
Energy Label	Cooling			A	B
Dimensions		(Height x Width x Depth)		mm	290x1050x238
Weight				kg	12
Air Flow Rate	Cooling	High/Medium/Low	m³/min	14.7 / 12.4 / 10.3	16.2 / 13.6 / 11.4
Sound Power	Cooling	Medium	dBA	59	61
Sound Pressure	Cooling	High/Low	dBA	43 / 34	45 / 36
Refrigerant			Type	R-410A	R-410A
Power Supply				1 ~ /220-240V/50Hz	1 ~ /220-240V/50Hz

Outdoor Unit				RN50E3V1B	RN60E3V1B
Dimensions	(Height x Width x Depth)		mm	735x825x300	735x825x300
Weight			kg	47	47
Operation Range	Cooling	Min~Max	°CDB	47	49
Sound Power		Cooling	dBA	61	63
Sound Pressure		Cooling	dBA	-10.0~46.0	-10.0~46.0
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 / 12.7 / 18
Piping Length (Maximum)			m	30	30
Max. internunit level difference			m	20.0	20.0



FAQ-B / RR-B

Wall Mounted Unit



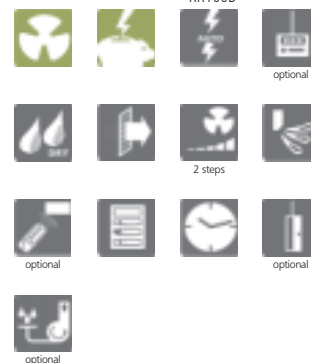
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FAQ71B

RR100B

- Fits neatly on a wall
- 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
- Both horizontal flaps and front panel can easily be removed and washed
- All maintenance operations can be carried out from the front of the unit



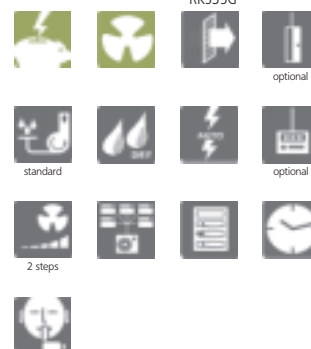
COOLING ONLY

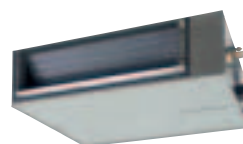
NON-INVERTER

Indoor Units				FAQ71BVV1B		FAQ100BVV1B	
Capacity	Cooling capacity	Standard	kW	7.10	7.10	10.00	10.00
EER	Nominal			2.68	2.81	2.81	2.84
Annual energy consumption			kWh	1325	1265	1780	1760
Energy Label	cooling			D	C	C	C
Dimensions	(Height x Width x Depth)		mm	290x1050x230		360x1570x200	
Weight				13.0		26.0	
Air Flow Rate	Cooling	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	
Refrigerant	Type			R-410A			
Power Supply				1~/220-240V/50Hz			

Outdoor Unit			RR71B8V3B	RR71B8W1B	RR100B8V3B	RR100B8W1B
Dimensions	(Height x Width x Depth)	mm	770x900x320		1170x900x320	
Weight		kg	83	81	102	99
Operation Range	Cooling	Min~Max	-15.0~46.0			
Sound Power		Cooling	dBA	63.0	66.0	
Sound Pressure (Standard)		Cooling	dBA	50.0	53.0	
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	70			
Max. internunit level difference		m	0.5			



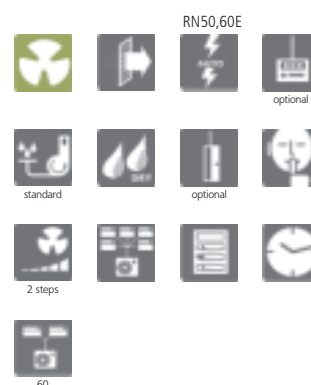




FBO60B



- Lightweight and compact
- Slim design for flexible installation
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- The position of individual air discharge grilles can be altered, enabling efficient temperature distribution, even in irregularly shaped rooms.
- Optimum air distribution
- Quiet operation
- Maximum external static pressure (ESP) is 88Pa



NON-INVERTER

Outdoor Unit				RN50E3V1B	RN60E3V1B
Dimensions	(Height x Width x Depth)		mm	735x825x300	735x825x300
Weight			kg	47	47
Operation Range	Cooling	Min~Max	°CDB	-10.0~46.0	-10.0~46.0
Sound Power		Cooling	dBA	61.0	63.0
Sound Pressure		Cooling	dBA	47.0	49.0
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 / 12.7 / 18
Piping Length (Maximum)			m	30	30
Max. internunit level difference			m	20	20



FBQ-B / RR-B

Concealed Ceiling Unit

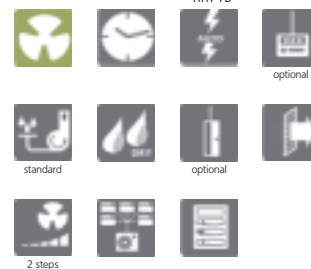


BRC1D52

FBQ71B

RR71B

- Lightweight and compact
- Slim design for flexible installation
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- The position of individual air discharge grilles can be altered, enabling efficient temperature distribution, even in irregularly shaped rooms.
- Optimum air distribution
- Quiet operation
- Maximum external static pressure (ESP) is 88Pa



COOLING ONLY

NON-INVERTER

Indoor Units				FBQ71B8V3B		FBQ100B8V3B		FBQ125B8V3B	
Capacity	Cooling capacity	Standard	kW	7.10	7.10	10.00	10.00	12.20	
EER	Nominal			2.54	2.65	2.64	2.78	2.61	
Annual energy consumption			kWh	1395	1340	1895	1800	2335	
Energy Label	cooling			E	D	D	D	D	
Dimensions	(Height x Width x Depth)		mm	300x1000x800		300x1400x800			
Weight				41.0		51.0		52.0	
Air Flow Rate	Cooling	High/Low	m³/min	19.00 / 14.00		27.00 / 20.00		35.00 / 24.00	
Sound Power	Cooling	High	dBA	60.0		62.0		63.0	
Sound Pressure	Cooling	High/Low	dBA	34.0 / 30.0		36.0 / 31.0		38.0 / 32.0	
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			

Outdoor Unit				RR71B8V3B	RR71B8W1B	RR100B8V3B	RR100B8W1B	RR125B8W1B
Dimensions	(Height x Width x Depth)		mm	770x900x320		1170x900x320		
Weight			kg	83	81	102	99	106
Operation Range	Cooling	Min~Max	°CDB	-15.0~46.0				
Sound Power		Cooling	dBA	63.0		66.0		67.0
Sound Pressure (Standard)		Cooling	dBA	50.0		53.0		
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	70				
Max. internunit level difference			m	0.5				



FBQ-B/ REQ-B*

Concealed Ceiling Unit



BRC1D52

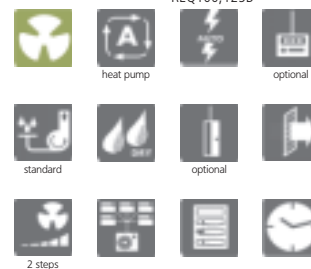


FBQ100,125B



REQ100,125B

- Lightweight and compact
- Slim design for flexible installation
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- The position of individual air discharge grilles can be altered, enabling efficient temperature distribution, even in irregularly shaped rooms.
- Optimum air distribution
- Quiet operation
- Maximum external static pressure (ESP) is 88Pa



HEAT PUMP

NON-INVERTER

Indoor Units				FBQ71B8V3B		FBQ100B8V3B		FBQ125B8V3B	
Capacity	Cooling capacity	Standard	kW	7.1 7.1		10 10		12.20	
	Heating capacity	Standard	kW	8 8		11.2 11.2		14.5	
EER / COP	Cooling / Heating			2.54 / 3.21 2.65 / 3.21		2.64 / 2.86 2.78 / 2.89		2.61 / 3.21	
Annual energy consumption			kWh	1395 1340		1895 1800		2335	
Energy Label	cooling / heating			E / C D / C		D / D D / D		D / C	
Dimensions	(Height x Width x Depth)			mm 300x1000x800		300x1400x800			
Weight				kg 41.0		51.0		52.0	
Air Flow Rate	Cooling	High/Low	m³/min	19.00 / 14.00		27.00 / 20.00		35.00 / 24.00	
	Heating	High/Low	m³/min	19.00 / 14.00		27.00 / 20.00		35.00 / 24.00	
Sound Power	Cooling	High	dBA	60.0		62.0		63.0	
Sound Pressure	Cooling	High/Low	dBA	34.0 / 30.0		36.0 / 31.0		38.0 / 32.0	
	Heating	High/Low	dBA	34.0 / 30.0		36.0 / 31.0		38.0 / 32.0	
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			

Outdoor Unit				REQ71B8V3B	REQ71B8W1B	REQ100B8V3B	REQ100B8W1B	REQ125B8W1B
Dimensions		(Height x Width x Depth)		770x900x320		1170x900x320		
Weight				83		102	100	108
Operation Range		Cooling	Min~Max	10.0~46.0				
		Heating	Min~Max	-10~15				
Sound Power		Cooling	dBA	65.0		70.0		
Sound Pressure (Standard)		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		9.52 / 15.9 / 26				
Piping Length (Maximum)			m	50				
Max. internunit level difference			m	0.5				

* Combination only available in Portugal, Greece, Cyprus and Malta



FDQ-B / RR-B

Concealed Ceiling Unit



BRC1D52



FDQ125B



RR125B

- Slim design for flexible installation
- Ideal for use in larger areas
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Maximum external static pressure (ESP) ranges from 150 till 250Pa
- Optimum air distribution



optional



3 steps: FDQ125



optional

COOLING ONLY

Indoor Units			
Capacity	Cooling capacity	Standard	kW
EER	Nominal		
Annual energy consumption			kWh
Energy Label	cooling		D
Dimensions	(Height x Width x Depth)	mm	350x1400x662
Weight		kg	59.0
Air Flow Rate	Cooling	Medium	m³/min
Sound Power	Cooling	Medium	dBA
Sound Pressure	Cooling	High	dBA
Refrigerant		Type	R-410A
Power Supply			1~/230V/50Hz

NON-INVERTER

FDQ125B8V3B9			
			12.50
			2.61
			2395
			D
			350x1400x662
			59.0
			43.0
			75.0
			44.0
			R-410A
			1~/230V/50Hz

Outdoor Unit			
Dimensions	(Height x Width x Depth)	mm	1170x900x320
Weight		kg	106
Operation Range	Cooling	Min~Max	°CDB
Sound Power	Cooling		dBA
Sound Pressure (Standard)	Cooling		dBA
Refrigerant		Type	R-410A
Power Supply			3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain	mm	9.52 / 15.9 / 26
Piping Length (Maximum)		m	70
Max. internunit level difference		m	0.5

RR125B8W1B			
			1170x900x320
			106
			-15.0~46.0
			67.0
			53.0
			R-410A
			3N~/400V/50Hz
			9.52 / 15.9 / 26
			70
			0.5



FDEQ-B / REQ-B*

Concealed Ceiling Unit

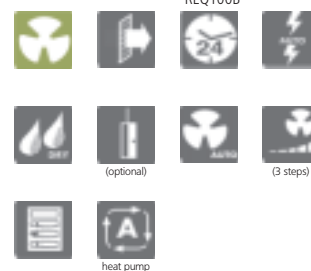


BRC1D52

FDEQ125B

REQ100B

- Lightweight and compact
- Both discharge and suction ducts can be easily connected via flanges on the unit
- The air filter is easily accessible from underneath, even after the installation of the ducts. The filter can therefore be easily washed or vacuumed
- Extremely quiet in operation.
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Maximum external static pressure (ESP) is 100Pa



HEAT PUMP

NON-INVERTER

Indoor Units				FDEQ71B8V3B		FDEQ100B8V3B		FDEQ125B8V3B
Capacity	Cooling capacity	Standard	kW	7.1	7.1	9.8	9.8	12.50
	Heating capacity	Standard	kW	8	8	11.2	11.2	14.60
EER / COP	Cooling / Heating			2.54 / 3.21	2.65 / 3.21	2.46 / 2.81	2.49 / 2.83	2.68 / 3.23
Annual energy consumption				1395	1340	1990	1970	2335
Energy Label	cooling / heating			E / C	D / C	E / D	E / D	D / C
Dimensions	(Height x Width x Depth)			279x987x750				279x1387x750
Weight				38.1				48.6
Air Flow Rate	Cooling	High/Low	m³/min	19.0 / 14.0		27.0 / 20.0		35.0 / 24.0
	Heating	High/Low	m³/min	19.0 / 14.0		27.0 / 20.0		35.0 / 24.0
Sound Power	Cooling	High	dBA	63.0		65.0		66.0
Sound Pressure	Cooling	High/Low	dBA	37.0 / 33.0		39.0 / 34.0		41.0 / 35.0
	Heating	High/Low	dBA	37.0 / 33.0		39.0 / 34.0		41.0 / 35.0
Refrigerant	Type			R-410A				
Power Supply				1~230V/50Hz				

Outdoor Unit				REQ71B8V3B	REQ71B8W1B	REQ100B8V3B	REQ100B8W1B	REQ125B8W1B
Dimensions		(Height x Width x Depth)		770x900x320		1170x900x320		
Weight				83		102	100	108
Operation Range	Cooling	Min~Max	°CDB	10.0~46.0				
	Heating	Min~Max	°CWB	-10~15				
Sound Power		Cooling	dBA	65.0		70.0		
Sound Pressure (Standard)		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)						50		
Max. internunit level difference						0.5		

* Combination only available in Portugal, Greece, Cyprus and Malta



FDYP-B / RP-B

Concealed Ceiling Unit

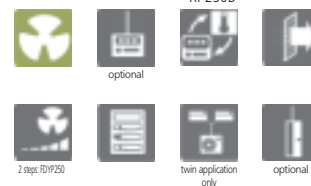


BRC1D52

FDYP200,250B

RP250B

- Slim design for flexible installation
- Ideal for use in larger areas
- Blends unobtrusively with any interior décor
- Maximum external static pressure (ESP) ranges from 150 till 250Pa
- Optimum air distribution



COOLING ONLY

NON-INVERTER

Indoor Units				FDYP200B8V19	FDYP250B8V19
Capacity	Cooling capacity	Standard	kW	20.00	25.00
EER	Nominal			2.30	2.33
COP	Nominal			-	-
EER / COP	Cooling / Heating			-	-
Annual energy consumption			kWh	4.355	5.370
Dimensions	(Height x Width x Depth)		mm	450x1400x900	
Weight			kg	89.0	94.0
Air Flow Rate	Cooling	Medium	m³/min	69.0	89.0
	Heating	Medium	m³/min	69.0	89.0
Sound Power	Cooling	High	dBA	81.0	82.0
	Heating	High	dBA	81.0	82.0
Sound Pressure	Cooling	High	dBA	45.0	47.0
	Heating	High	dBA	45.0	47.0
Refrigerant			Type	R-407C	
Power Supply				230V/50Hz	

Outdoor Unit				RP250B7W1	RP200B7W1
Dimensions	(Height x Width x Depth)		mm	1220x1290x700	1440x1290x700
Weight			kg	194	206
Operation Range	Cooling	Min~Max	°CDB	-5~46	
Sound Power	Cooling		dBA	77.0	
Sound Pressure (Standard)	Cooling		dBA	56.0	
Refrigerant			Type	R-407C	
Power Supply				400V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	12.7 / 28.6 / 26	15.9 / 28.6 / 26
Piping Length (Maximum)			m	50	





FCQ-C / RKS-G

Round Flow Cassette



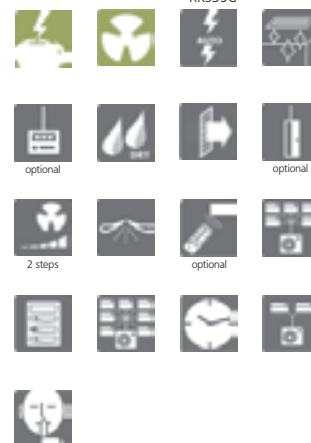
BRC1D52

BRC7E63

FCQ35C

RKS35G

- Modern style decoration panel in white (RAL9010)
- 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
- Fresh air intake: up to 20 %
- Easy visible drain check thanks to clear drain socket



COOLING ONLY

INVERTER

Indoor Units				FCQ35C7VEB	
Capacity	Cooling capacity	Minimum	kW	1.4	
		Standard	kW	3.4	
		Maximum	kW	3.7	
EER	Nominal			3.58	
Annual energy consumption			kWh	475	
Energy Label	cooling			A	
Dimensions	(Height x Width x Depth)		mm	204x840x840	
Weight			kg	19	
Air Flow Rate	Cooling	High/Low	m³/min	10.5 / 8.5	
Sound Power	Cooling	High	dBA	49	
Sound Pressure	Cooling	High/Low	dBA	31 / 27	
Refrigerant			Type	R-410A	
Power Supply				1~/220-240V/50Hz/60Hz	
Decoration Panel	Model			BYCQ140CW1	
	Colour				
	HxWxD		mm	50x950x950	
	Weight		kg	5.5	

Outdoor Unit				RKS35G2V1B	
Dimensions	(Height x Width x Depth)		mm	550x765x285	
Weight			kg	34	
Operation Range	Cooling	Min~Max	°CDB	-10~46	
Sound Power	Cooling		dBA	62	
Sound Pressure (Low)	Cooling		dBA	44	
Sound Pressure (High)	Cooling		dBA	48	
Refrigerant			Type	R-410A	
Power Supply				1~/220-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.52 / 18	
Piping Length (Maximum)			m	20	



FFQ-B / RN-E

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



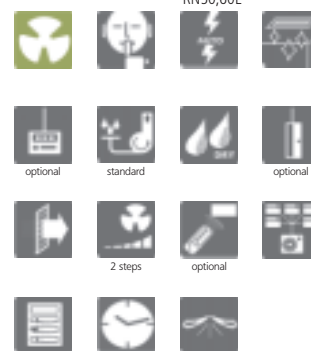
BRC1D52

BRC7E531

FFQ50,60B

RN50,60E

- 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)
- Slim design for flexible installation
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- 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.



COOLING ONLY

NON-INVERTER

Indoor Units				FFQ50B8V1B	FFQ60B8V1B
Nominal Capacity	Cooling capacity	Standard	kW	4.7	5.8
		Minimum	kW	-	-
		Maximum	kW	-	-
EER	Nominal			2.61	2.80
Annual energy consumption			kWh	900	1035
Energy Label	cooling			D	D
Dimensions	(Height x Width x Depth)		mm	286x575x575	286x575x575
Weight			kg	17.5	17.5
Air Flow Rate	Cooling	High/Low	m³/min	12.0 / 8.0	15.0 / 10.0
Sound Power	Cooling	High	dBA	53.0	58.0
Sound Pressure	Cooling	High/Low	dBA	36.0 / 27.0	41.0 / 32.0
Refrigerant			Type	R-410A	R-410A
Power Supply				1~/230V/50Hz	1~/230V/50Hz
Decoration Panel	Model			BYFQ60BAW1	BYFQ60BAW1
	Colour			Pure White (RAL 9010)	Pure White (RAL 9010)
	HxWxD		mm	55x700x700	55x700x700
	Weight		kg	2.7	2.7

Outdoor Unit				RN50E3V1B	RN60E3V1B
Dimensions	(Height x Width x Depth)		mm	735x825x300	735x825x300
Weight			kg	47	47
Operation Range	Cooling	Min~Max	°CDB	-10.0~46.0	-10.0~46.0
Sound Power	Cooling	H	dBA	61.0	63.0
Sound Pressure	Cooling	H	dBA	47.0	49.0
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 / 12.7 / 18
Piping Length (Maximum)			m	30	30
Max. internunit level difference			m	20	20



FCQ-C / RKS-G

Round Flow Cassette



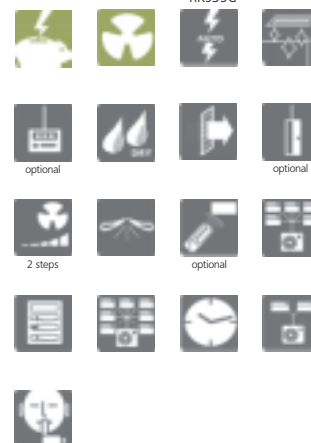
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BRC7E63

FCQ35C

RKS35G

- Modern style decoration panel in white (RAL9010)
- 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: up to 20 %
- Easy visible drain check thanks to clear drain socket



COOLING ONLY

Indoor Units				INVERTER	
Capacity	Cooling capacity	Minimum	kW	FCQ35C7VEB	
		Standard	kW	1.4	
		Maximum	kW	3.4	
				3.7	
EER	Nominal			3.58	
Annual energy consumption			kWh	475	
Energy Label	cooling			A	
Dimensions	(Height x Width x Depth)		mm	204x840x840	
Weight			kg	19	
Air Flow Rate	Cooling	High/Low	m³/min	10.5 / 8.5	
Sound Power	Cooling	High	dBA	49	
Sound Pressure	Cooling	High/Low	dBA	31 / 27	
Refrigerant			Type	R-410A	
Power Supply				1~/220-240V/50Hz/60Hz	
Decoration Panel	Model			BYCQ140CW1	
	Colour				
	HxWxD		mm	50x950x950	
	Weight		kg	5.5	

Outdoor Unit				RKS35G2V1B	
Dimensions	(Height x Width x Depth)		mm	550x765x285	
Weight			kg	34	
Operation Range	Cooling	Min~Max	°CDB	-10~46	
Sound Power	Cooling		dBA	62	
Sound Pressure (Low)	Cooling		dBA	44	
Sound Pressure (High)	Cooling		dBA	48	
Refrigerant			Type	R-410A	
Power Supply				1~/220-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 9.52 / 18	
Piping Length (Maximum)			m	20	



FCQ-C / RN-E

Round Flow Cassette

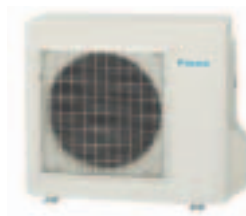


BRC1D52

BRC7F533

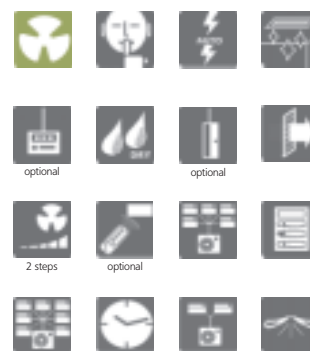


FCQ50,60C



RN50,60E

- Modern style decoration panel in white (RAL9010)
- 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
- Fresh air intake: up to 20 %
- Reduced installation height: 214mm for class 50-60
- Easy visible drain check thanks to clear drain socket



COOLING ONLY

NON-INVERTER

Indoor Units				FCQ50C7VEB	FCQ60C7VEB
Nominal Capacity	Cooling capacity	Standard	kW	5.0	5.7
EER	Nominal			3.55	3.48
Annual energy consumption			kWh	705	820
Energy Label	cooling			A	A
Dimensions	(Height x Width x Depth)		mm	204x840x840	204x840x840
Weight			kg	19	19
Air Flow Rate	Cooling	High/Low	m³/min	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
Refrigerant			Type	R-410A	R-410A
Power Supply				1~/220-240V/50/60Hz	1~/220-240V/50/60Hz
Decoration Panel	Model			BYCQ140CW1	BYCQ140CW1
	Colour			Pure White (RAL 9010)	Pure White (RAL 9010)
	HxWxD		mm	50x950x950	50x950x950

Outdoor Unit				RN50E3V1B	RN60E3V1B
Dimensions	(Height x Width x Depth)		mm	735x825x300	735x825x300
Weight			kg	47	47
Sound pressure level	Cooling	H	dBA	47	49
Sound power level	Cooling	H	dBA	61	63
Operation Range	Cooling	Min~Max	°CDB	-10.0~46.0	-10.0~46.0
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 / 12.7 / 18
Piping Length (Maximum)			m	30	30
Max. internunit level difference			m	20	20



FCQ-C / RR-B

Round Flow Cassette



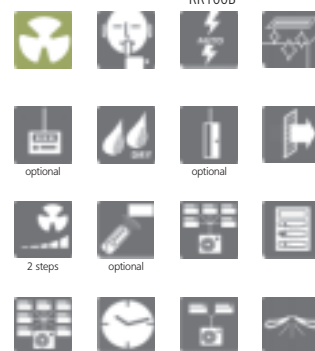
BRC1D52

BRC7F533

FCQ100,125C

RR100B

- Modern style decoration panel in white (RAL9010)
- 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 71
- Fresh air intake: up to 20 %
- Easy visible drain check thanks to clear drain socket



COOLING ONLY

NON-INVERTER

Indoor Units				FCQ71C7VEB		FCQ100C7VEB		FCQ125C7VEB
Capacity	Cooling capacity	Standard	kW	7.10	7.10	10.00	10.00	12.50
EER	Nominal			2.61	2.67	2.61	2.81	2.68
Annual energy consumption			kWh	1360	1330	1915	1780	2330
Energy Label	cooling			D	D	D	C	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
Sound Power	Cooling	High	dBA	51		54		58
Sound Pressure	Cooling	High/Low	dBA	33 / 28		37 / 32		41 / 35
Refrigerant			Type	R-410A				
Power Supply				-				
Decoration Panel	Model			BYCQ140CW1				
	Colour			Pure White (RAL 9010)				
	HxWxD		mm	50x950x950				
	Weight		kg	5.5				

Outdoor Unit			RR71B8V3B	RR71B8W1B	RR100B8V3B	RR100B8W1B	RR125B8W1B
Dimensions	(Height x Width x Depth)		770x900x320		1170x900x320		
Weight			83	81	102	99	106
Operation Range	Cooling	Min~Max	°CDB -15.0~46.0				
Sound Power	Cooling		63.0		66.0		67.0
Sound Pressure (Standard)	Cooling		50.0		53.0		
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 70				
Max. internunit level difference			m 0.5				

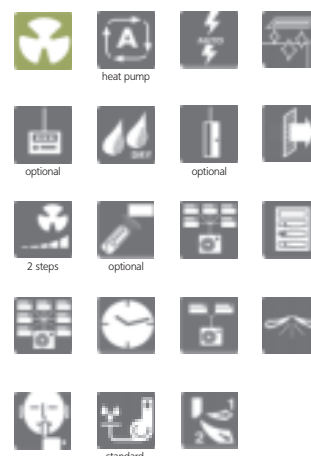


FCQ-C / REQ-B*

Round Flow Cassette



- Modern style decoration panel in white (RAL9010)
- 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
- Fresh air intake: up to 20 %
- Reduced installation height: 214mm for class 71
- Easy visible drain check thanks to clear drain socket



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		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)		770x900x320		1170x900x320		
Weight			83		102	100	108
Sound pressure level	Cooling		53	53	57	57	57
Sound power level	Cooling		65	65	70	70	70
Operation Range	Cooling	Min~Max	10.0~46.0				
	Heating	Min~Max	-10~15				
Refrigerant			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)			50				
Max. internunit level difference			0.5				

* Combination only available in Portugal, Greece, Cyprus and Malta



FUQ-B / RR-B

4-Way Blow Ceiling Suspended Cassette



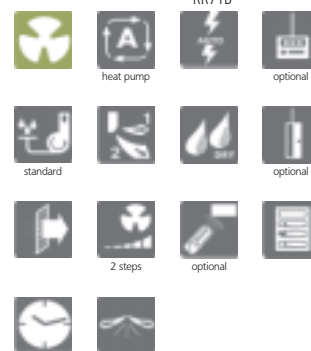
BRC1D52

BRC7C529

FUQ71B

RR71B

- Can be installed in both new and existing buildings.
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- 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



COOLING ONLY

NON-INVERTER

Indoor Units				FUQ71BVV1B		FUQ100BVV1B		FUQ125BVV1B
Capacity	Cooling capacity	Standard	kW	7.10	7.10	10.00	10.00	12.20
EER	Nominal			2.63	2.68	2.61	2.65	2.67
Annual energy consumption			kWh	1350	1325	1915	1890	2285
Energy Label	cooling			D		D		D
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
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
Refrigerant		Type		R-410A				
Power Supply				1~/220-240V/50Hz				

Outdoor Unit			RR71B8V3B	RR71B8W1B	RR100B8V3B	RR100B8W1B	RR125B8W1B
Dimensions	(Height x Width x Depth)		770x900x320		1170x900x320		
Weight			83	81	102	99	106
Operation Range	Cooling	Min~Max	-15.0~46.0				
Sound Power	Cooling		63.0		66.0		67.0
Sound Pressure (Standard)	Cooling		50.0		53.0		
Refrigerant			R-410A				
Power Supply			1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		9.52 / 15.9 / 26				
Piping Length (Maximum)			70				
Max. internunit level difference			0.5				





FHQ-B / RN-E

Ceiling Suspended Unit



BRC1D52

BRC7E66

FHQ50B

RN50,60E

- Ideal solution for shops, restaurants or offices without false ceilings
- Compact design
- Leaves maximum floor and wall space for furniture, decorations and fittings
- 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.



COOLING ONLY

NON-INVERTER

Indoor Units				FHQ50BVV1B	FHQ60BVV1B
Nominal Capacity	Cooling capacity	Standard	kW	5.0	5.7
		Minimum	kW	-	-
		Maximum	kW	-	-
EER	Nominal			2.73	2.73
Annual energy consumption			kWh	915	1075
Energy Label	cooling			D	D
Dimensions	(Height x Width x Depth)		mm	195x960x680	195x1160x680
Weight				25.0	27.0
Air Flow Rate	Cooling	High/Low	m³/min	13.0 / 10.0	17.0 / 13.0
Sound Power	Cooling	High/Low	dBA	54.0 / 49.0	55.0 / 49.0
	Heating	High/Low	dBA	54.0 / 49.0	55.0 / 49.0
Sound Pressure	Cooling	High/Low	dBA	38.0 / 33.0	39.0 / 33.0
Refrigerant				R-410A	R-410A
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz

Outdoor Unit				RN50E3V1B	RN60E3V1B
Dimensions	(Height x Width x Depth)			mm	mm
				735x825x300	735x825x300
Weight				kg	kg
				47	47
Operation Range	Cooling	Min~Max	°CDB	-10.0~46.0	-10.0~46.0
Sound Power		Cooling	dBA	61.0	63.0
Sound Pressure	Cooling		dBA	47.0	49.0
Refrigerant				Type	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 / 12.7 / 18
Piping Length (Maximum)			m	30	30
Max. internunit level difference				m	m
				20	20



FHQ-B / RR-B

Ceiling Suspended Unit



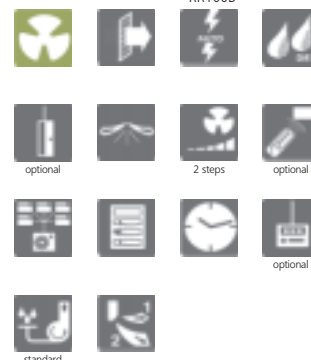
BRC1D52

BRC7E66

FHQ71B

RR100B

- Ideal solution for shops, restaurants or offices without false ceilings
- Compact design
- Leaves maximum floor and wall space for furniture, decorations and fittings
- 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.



COOLING ONLY

NON-INVERTER

Indoor Units				FHQ71BVV1B		FHQ100BVV1B		FHQ125BVV1B
Capacity	Cooling capacity	Standard	kW	7.10	7.10	9.80	9.80	12.20
EER	Nominal			2.63	2.68	2.61	2.66	2.71
Annual energy consumption			kWh	1350	1325	1875	1840	2255
Energy Label	cooling			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
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
Refrigerant			Type	R-410A				
Power Supply				1~/220-240V/50Hz				

Outdoor Unit			RR71B8V3B	RR71B8W1B	RR100B8V3B	RR100B8W1B	RR125B8W1B
Dimensions	(Height x Width x Depth)		770x900x320			1170x900x320	
Weight			83	81	102	99	106
Operation Range	Cooling	Min~Max	-15.0~46.0				
Sound Power		Cooling	63.0		66.0		67.0
Sound Pressure (Standard)		Cooling	50.0		53.0		
Refrigerant			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		70				
Max. internunit level difference	m		0.5				



FHQ-B / REQ-B*

Ceiling Suspended Unit



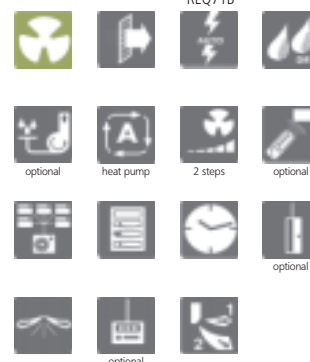
BRC1D52

BRC7E66

FHQ71B

REQ71B

- Ideal solution for shops, restaurants or offices without false ceilings
- Compact design
- Leaves maximum floor and wall space for furniture, decorations and fittings
- 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.



HEAT PUMP

NON-INVERTER

Indoor Units				FHQ71BVV1B		FHQ100BVV1B		FHQ125BVV1B
Capacity	Cooling capacity	Standard	kW	7.1	7.1	9.8	9.8	12.2
	Heating capacity	Standard	kW	8	8	11.2	11.2	14.5
EER / COP	Cooling / Heating			2.63 / 2.81 2.68 / 2.86		2.61 / 2.71 2.66 / 2.79		2.71 / 2.81
Annual energy consumption				1350	1325	1875	1840	2255
Energy Label	cooling / heating			D / D	D / D	D / E	D / E	D / D
Dimensions	(Height x Width x Depth)			195x1160x680		195x1400x680		195x1590x680
Weight				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				

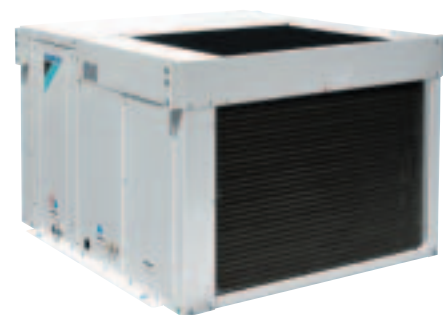
Outdoor Unit				REQ71B8V3B	REQ71B8W1B	REQ100B8V3B	REQ100B8W1B	REQ125B8W1B
Dimensions		(Height x Width x Depth)		770x900x320		1170x900x320		
Weight				83		102	100	108
Operation Range	Cooling	Min~Max	°CDB	10.0~46.0				
	Heating	Min~Max	°CWB	-10~15				
Sound Power		Cooling	dBA	65.0		70.0		
Sound Pressure (Standard)		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. internunit level difference			m	0.5				

* Combination only available in Portugal, Greece, Cyprus and Malta



UATP-A

Rooftop



UATP-A

- 'Plug and Play' installation: the single unit configuration requires no additional piping work as both the indoor and outdoor sides are pre-connected.
- 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.

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		m³/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		m³/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									



Twin / Triple / Double Twin Applications & Multi Model Applications

1. Twin, Triple, Double Twin

RR-B

40

RP-B

42

2. Multi model application

RMXS-E

44

MKS-E/G/F

48



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, ...) and even different capacities (e.g. 35 and 71 class).

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.

Connectable indoor units:

Non-inverter controlled:

- RR-B: FFQ-B, FBQ-B, FCQ-C, FHQ-B, FUQ-B, FAQ-B

- RP-B: FHYBP-B, FDYP-B

POSSIBLE COMBINATIONS

	TWIN			TRIPLE				DOUBLE TWIN
RR71	35+35 (KHRQ22M20TA)							
RR100	50+50 (KHRQ22M20TA)	50+60 (KHRQ22M20TA)	35+71 (KHRQ22M20TA)	35+35+35 (KHRQ127H)				
RR125	60+60 (KHRQ22M20TA)	50+71 (KHRQ22M20TA)		50+50+50 (KHRQ127H)				
RP200	100+100 (KHRQ22M64T)	71-125 (KHRQ22M64T)		71+71+71 (KHRQ127H)	60+60+60 (KHRQ127H)	45+71+71 (KHRQ127H)	45+45+100 (KHRQ127H)	45+45+45+45 (2 x KHRQ22M20TA + KHRQ22M64T)
				35+71+100 (KHRQ127H)	35+35+125 (KHRQ127H)	45+60+100 (KHRQ127H)	60+60+71 (KHRQ127H)	
RP250	125+125 (KHRQ22M64T)			45+100+100 (KHRQ127H)	60+60+125 (KHRQ127H)	45+71+125 (KHRQ127H)	71+71+100 (KHRQ127H)	60+60+60+60 (2 x KHRQ22M20TA + KHRQ22M64T)

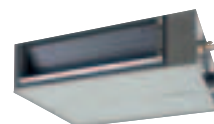


FAQ,FBQ,FCQ, FFQ,FHQ + RR



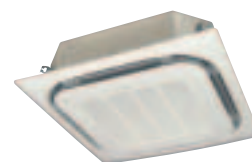
COOLING ONLY

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



COOLING ONLY

Indoor Units			FBQ60B8V1	FBQ35B8V1	FBQ50B8V1	FBQ71B8V3B
Dimensions	(Height x Width x Depth)	mm	300x1000x800		300x700x800	300x1000x800
Weight		kg	41	30	31	41.0
Air Flow Rate	Cooling	High/Low	m³/min			
Sound Power	Cooling	High	dBA			
Sound Pressure	Cooling	High/Low	dBA			
Refrigerant		Type				
Power Supply						



COOLING ONLY

Indoor Units			FCQ35C7VEB	FCQ50C7VEB	FCQ60C7VEB	FCQ71C7VEB
Dimensions	(Height x Width x Depth)	mm	214x840x840	214x840x840	214x840x840	214x840x840
Weight		kg	19	19	19	21
Air Flow Rate	Cooling	High/Low	m³/min			
Sound Power level	Cooling	High	dBA			
Sound Pressure level	Cooling	High/Low	dBA			
Refrigerant		Type				
Power Supply						



COOLING ONLY

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



COOLING ONLY

Indoor Units			FHQ35B8V1B	FHQ50B8V1B	FHQ60B8V1B	FHQ71B8V1B
Dimensions	(Height x Width x Depth)		195x960x680			195x1160x680
Weight			24.0	25.0	27.0	
Air Flow Rate	Cooling	High/Low	13.0 / 10.0		17.0 / 13.0	17.0 / 14.0
Sound Power	Cooling	High/Low	53.0 / 48.0	54.0 / 49.0	55.0 / 49.0	55.0 / 51.0
Sound Pressure	Cooling	High/Low	37.0 / 32.0	38.0 / 33.0	39.0 / 33.0	39.0 / 35.0
Refrigerant			R-410A			
Power Supply			1~/220-240V/50Hz			



COOLING ONLY

Indoor Units			FUQ71B8V1B
Dimensions	(Height x Width x Depth)		165x895x895
Weight			25
Air Flow Rate	Cooling	High/Low	19/14
Sound Power	Cooling	High/Low	40/35
Sound Pressure	Cooling	High/Low	56/51
Refrigerant			R-410A
Power Supply			1~/220-240V/50Hz



COOLING ONLY

NON-INVERTER

Outdoor Unit			RR71B8V3B	RR71B8W1B	RR100B8V3B	RR100B8W1B	RR125B8W1B
Dimensions	(Height x Width x Depth)		770x900x320			1170x900x320	
Weight			83	81	102	99	106
Sound pressure level	Cooling	H	50	50	53	53	53
Sound power level	Cooling	H	63	63	66	66	67
Operation Range	Cooling	Min~Max	-15.0~46.0				
Refrigerant			R-410A				
Power Supply			1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		9.52 / 15.9 / 26				
Piping Length (Maximum)			70				
Max. internunit level difference			0.5				



FDYP,FHYBP + RP



COOLING ONLY

Indoor Units				FDYP125B7V1	
Dimensions	(Height x Width x Depth)		mm	350x1400x662	
Weight			kg	59.0	
Air Flow Rate	Cooling	Medium	m³/min	43.00	
Sound Power	Cooling	High	dBA	75.0	
Sound Pressure	Cooling	High	dBA	44.0	
Refrigerant			Type	R-407C	
Power Supply				1~/230V/50Hz	



COOLING ONLY

Indoor Units				FHYBP71B7V1	FHYBP100B7V1	FHYBP125B7V1
Dimensions	(Height x Width x Depth)		mm	300x1000x800	300x1400x800	
Weight			kg	41.0	51.0	52.0
Air Flow Rate	Cooling	High/Low	m³/min	19.00 / 14.00	27.00 / 20.00	35.00 / 24.00
Sound Power	Cooling	High	dBA	60.0	62.0	63.0
Sound Pressure	Cooling	High/Low	dBA	34.0 / 30.0	36.0 / 31.0	38.0 / 32.0
Refrigerant			Type	R-407C		
Power Supply				1~/230V/50Hz		



COOLING ONLY

NON-INVERTER

Outdoor Unit				RP200B7W1	RP250B7W1
Dimensions	(Height x Width x Depth)		mm	1220x1290x700	1440x1290x700
Weight			kg	194	206
Operation Range	Cooling	Min~Max	°CDB	-5~46	
Sound pressure level	Cooling		dBA	56	56
Sound power level	Cooling		dBA	77	77
Refrigerant			Type	R-407C	
Power Supply				3N~/400V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	12.7 / 28.6 / 26	15.9 / 28.6 / 26
Piping Length (Maximum)			m	50	
Max. internunit level difference			m	-	





RMXS-E

Super Multi Plus



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 standing unit	-	FVXS25F	FVXS35F	-	FVXS50F	-	-
Flexi type unit	-	FLXS25B	FLXS35B	-	FLXS50B	FLXS60B	-
Slim concealed ceiling unit	-	FDXS25E	FDXS35E	-	FDXS50C	FDXS60C	-
Concealed ceiling unit	-	FDBQ25B	FBQ35B	-	FBQ50B	FBQ60B	-
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)		275x840x150			
Weight			9.0			
Air Flow Rate	Cooling	High/Medium/Low/Silent Operation	7.7 / 6.1 / 4.7 / 3.8		8.1 / 6.5 / 4.9 / 4.1	
	Heating	High/Medium/Low/Silent Operation	9.0 / 7.9 / 6.7 / 5.4		9.6 / 8.2 / 6.7 / 5.9	
Sound Power	Cooling	High	56.0		57.0	
	Heating	High	56.0		57.0	
Sound Pressure	Cooling	High/Medium/Low/Silent Operation	38.0 / 32.0 / 25.0 / 22.0		39.0 / 33.0 / 26.0 / 23.0	
	Heating	High/Medium/Low/Silent Operation	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			

HEAT PUMP

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

HEAT PUMP

Indoor Units			FTXS20G2V1B	FTXS25G2V1B	FTXS35G2V1B	FTXS42G2V1B	FTXS50G2V1B
Dimensions	(Height x Width x Depth)	mm	295x800x215				
Weight		kg	9		10		
Air Flow Rate	Cooling	High/Medium/Low/Silent Operation	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	High/Medium/Low/Silent Operation	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	54		58		59
	Heating	High	54	55	58		60
Sound Pressure	Cooling	High/Medium/Low/Silent Operation	38 / 32 / 25 / 22		42 / 34 / 26 / 23	42 / 38 / 33 / 30	43 / 39 / 34 / 31
	Heating	High/Medium/Low/Silent Operation	38 / 33 / 28 / 25	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				



HEAT PUMP

Indoor Units			FTXS60FV1B	FTXS71FV1B
Dimensions	(Height x Width x Depth)	mm	290x1050x238	
Weight		kg	12	
Air Flow Rate	Cooling	High/Medium/Low/Silent Operation	16.2 / 13.6 / 11.4 / 10.2	
	Heating	High/Medium/Low/Silent Operation	17.4 / 15.1 / 12.7 / 11.4	
Sound Power	Cooling	Medium	61	62
	Heating	Medium	60	62
Sound Pressure	Cooling	High/Medium/Low/Silent Operation	45 / 41 / 36 / 33	46 / 42 / 37 / 34
	Heating	High/Medium/Low/Silent Operation	44 / 40 / 35 / 32	46 / 42 / 37 / 34
Refrigerant		Type	R-410A	
Power Supply			1~/220-240V/50Hz	



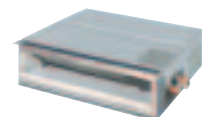
HEAT PUMP

Indoor Units			FLXS25BAVMB	FLXS35BAVMB	FLXS50BAVMB	FLXS60BAVMB
Dimensions	(Height x Width x Depth)	mm	490x1050x200			
Weight		kg	16.0		17.0	
Air Flow Rate	Cooling	High/Medium/Low/Silent Operation	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	High/Medium/Low/Silent Operation	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	53.0	54.0	63.0	64.0
	Heating	High	-	-	62.0	63.0
Sound Pressure	Cooling	High/Medium/Low/Silent Operation	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	High/Medium/Low/Silent Operation	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			



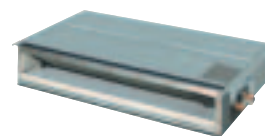
HEAT PUMP

Indoor Units			FVXS25FV1B	FVXS35FV1B	FVXS50FV1B
Dimensions	(Height x Width x Depth)	mm	600x700x210		
Weight		kg	14		
Air Flow Rate	Cooling	High/Medium/Low/Silent Operation	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	High/Medium/Low/Silent Operation	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	54	55	56
	Heating	High	54	55	57
Sound Pressure	Cooling	High/Medium/Low/Silent Operation	38 / 32 / 26 / 23	39 / 33 / 27 / 24	44 / 40 / 36 / 32
	Heating	High/Medium/Low/Silent Operation	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	High/Medium/Low/Silent Operation	8.7 / 8.0 / 7.3 / 6.2	
	Heating	High/Medium/Low/Silent Operation	8.7 / 8.0 / 7.3 / 6.2	
Sound Power	Cooling	High	53.0	
	Heating	High	53.0	
Sound Pressure	Cooling	High/Medium/Low/Silent Operation	35.0 / 33.0 / 31.0 / 29.0	
	Heating	High/Medium/Low/Silent Operation	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			FDX550CVMB	FDX560CVMB
Dimensions	(Height x Width x Depth)	mm	200x900x620	200x1100x620
Weight		kg	27.0	30.0
Air Flow Rate	Cooling	High/Medium/Low/Silent Operation	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
	Heating	High/Medium/Low/Silent Operation	12.0 / 11.0 / 10.0 / 8.4	16.0 / 14.8 / 13.5 / 11.2
Sound Power	Cooling	High	55.0	56.0
	Heating	High	55.0	56.0
Sound Pressure	Cooling	High/Medium/Low/Silent Operation	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
	Heating	High/Medium/Low/Silent Operation	37.0 / 35.0 / 33.0 / 31.0	38.0 / 36.0 / 34.0 / 32.0
Refrigerant		Type	R-410A	
Power Supply			1~/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	6.50 / 5.20
	Heating	High/Low	6.95 / 5.20
Sound Power	Cooling	High/Low	55.0 / 49.0
	Heating	High/Low	55.0 / 49.0
Sound Pressure	Cooling	High/Low	35.0 / 28.0
	Heating	High/Low	35.0 / 29.0
Refrigerant		Type	R-410A
Power Supply			1~/230V/50Hz



HEAT PUMP

Indoor Units			FBQ35B8V1	FBQ50B8V1	FBQ60B8V1
Dimensions	(Height x Width x Depth)	mm	300x700x800		300x1000x800
Weight		kg	30	31	41
Air Flow Rate	Cooling	High/Low	11.5 / 9	14 / 10	19 / 14
	Heating	High/Low	11.5 / 9	14 / 10	19 / 14
Sound Power	Cooling	High	52	53	60
	Heating	High	52	53	60
Sound Pressure	Cooling	High/Low	33 / 29		34 / 30
	Heating	High/Low	33 / 29		34 / 30
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	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
	Heating	High/Low	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0	15.0 / 10.0
Sound Power	Cooling	High	46.5	49.0	53.0	58.0
Sound Pressure	Cooling	High/Low	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0	41.0 / 32.0
	Heating	High/Low	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	10.5 / 8.5		13.5 / 8.5
	Heating	High/Low	12.5 / 10.0		13.5 / 8.5
Sound Power	Cooling	High	49		51
Sound Pressure	Cooling	High/Low	31 / 27		33 / 28
	Heating	High/Low	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		
Weight		kg	24.0	25.0	27.0
Air Flow Rate	Cooling	High/Low	13.0 / 10.0		17.0 / 13.0
	Heating	High/Low	13.0 / 10.0		16.0 / 13.0
Sound Power	Cooling	High/Low	53.0 / 48.0		55.0 / 49.0
	Heating	High/Low	53.0 / 48.0		55.0 / 49.0
Sound Pressure	Cooling	High/Low	37.0 / 32.0		39.0 / 33.0
	Heating	High/Low	37.0 / 32.0		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. connectable combination			71+71	60+71+71
Dimensions	(HeightxWidthxDepth)	mm	180x294x350	
Weight		kg	7	8



MKS-E/G/F

Multi Model Application Inverter Controlled



CONNECTABLE INDOOR UNITS

	2MKS40G	2MKS50G	3MKS50E	4MKS58E	4MKS75F	5MKS90E
Wall mounted unit	FTXS20,25,35G	FTXS20,25,35,42,50G	FTXS20,25,35,42G	FTXS20,25,35,42,50G	FTXS20,25,35,42,50G	FTXS20,25,35,42,50G
	-	-	-	-	FTKS60F	FTKS60,71F
Slim concealed ceiling unit	FDKS25,35E	FDKS25,35E	FDKS25,35E	FDKS25,35E	FDKS25,35E	FDKS25,35E
	-	FDKS50C	-	FDKS50C	FDKS50,60C	FDKS50,60C
Floor standing unit	FVXS25,35F	FVXS25,35,50F	FVXS25,35,50F	FVXS25,35,50F	FVXS25,35,50F	FVXS25,35,50F
Flexi type unit	FLKS25,35B	FLKS25,35,50B	FLKS25,35B	FLKS25,35,50B	FLKS25,35,50B	FLKS25,35,50B
Round flow cassette	-	-	-	FCQ35,50C	FCQ35,50,60C	FCQ35,50,60C
4-way blow ceiling mounted cassette (600x600)	-	FFQ25,35,50B	-	FFQ25,35,50B	FFQ25,35,50,60B	FFQ25,35,50,60B
Concealed ceiling unit	-	-	-	FDBQ25B	FDBQ25B	FDBQ25B
	-	-	FBQ35,50B	FBQ35,50,60B	FBQ35,50,60B	FBQ35,50,60B
4-way blow ceiling suspended cassette	-	-	FHQ35,50B	FHQ35,50,60B	FHQ35,50,60B	FHQ35,50,60B

COOLING ONLY

Indoor Units			FTXS20G2V1B	FTXS25G2V1B	FTXS35G2V1B	FTXS42G2V1B	FTXS50G2V1B	
Dimensions	(Height x Width x Depth)		295x800x215					
Weight			9		10			
Air Flow Rate	Cooling	HighMediumLowSilent Operation	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	HighMediumLowSilent Operation	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	54	55	58		60
Sound Pressure	Cooling	HighMediumLowSilent Operation	dBA	38 / 32 / 25 / 22		42 / 34 / 26 / 23	42 / 38 / 33 / 30	43 / 39 / 34 / 31
	Heating	HighMediumLowSilent Operation	dBA	38 / 33 / 28 / 25	39 / 34 / 28 / 25	42 / 36 / 29 / 26	42 / 38 / 33 / 30	44 / 39 / 34 / 31
Refrigerant			R-410A					
Power Supply			1~/220-230-240V/50Hz					

COOLING ONLY

Indoor Units			FTKS50FV1B	FTKS71FV1B
Dimensions	(Height x Width x Depth)	mm	290x1050x238	
Weight		kg	12	
Air Flow Rate	Cooling	High/Medium/Low/Silent Operation	m³/min	16.2 / 13.6 / 11.4 / 10.2
	Heating	High/Medium/Low/Silent Operation	m³/min	17.4 / 14.6 / 11.6 / 10.6
Sound Power	Cooling	Medium	dBA	61
Sound Pressure	Cooling	High/Medium/Low/Silent Operation	dBA	45 / 41 / 36 / 33
	Heating	High/Medium/Low/Silent Operation	dBA	46 / 42 / 37 / 34
Refrigerant		Type	R-410A	
Power Supply			1~/220-240V/50Hz	

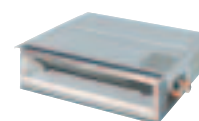
COOLING ONLY

Indoor Units			FLKS25BAVMB	FLKS35BAVMB	FLKS50BAVMB	FLKS60BAVMB
Dimensions	(Height x Width x Depth)	mm	490x1050x200			
Weight		kg	16.0		17.0	
Air Flow Rate	Cooling	High/Medium/Low/Silent Operation	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	High/Medium/Low/Silent Operation	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	High/Medium/Low/Silent Operation	dBA	48.0 / 45.0 / 41.0 / 39.0		
Refrigerant		Type	R-410A			
Power Supply			1~/220-240/220-230V/50/60Hz			



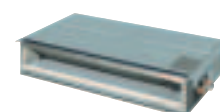
COOLING ONLY

Indoor Units			FVXS25FV1B	FVXS35FV1B	FVXS50FV1B
Dimensions	(Height x Width x Depth)	mm	600x700x210		
Weight		kg	14		
Air Flow Rate	Cooling	High/Medium/Low/Silent Operation	m³/min	8.2 / 6.5 / 4.8 / 4.1	8.5 / 6.7 / 4.9 / 4.5
	Heating	High/Medium/Low/Silent Operation	m³/min	8.8 / 6.9 / 5.0 / 4.4	9.4 / 7.3 / 5.2 / 4.7
Sound Power	Cooling	High	dBA	54	55
	Heating	High	dBA	54	55
Sound Pressure	Cooling	High/Medium/Low/Silent Operation	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24
	Heating	High/Medium/Low/Silent Operation	dBA	38 / 32 / 26 / 23	39 / 33 / 27 / 24
Refrigerant		Type	R-410A		
Power Supply			1~/220-240V/50Hz		



COOLING ONLY

Indoor Units			FDKS25EAVMB	FDKS35EAVMB
Dimensions	(Height x Width x Depth)	mm	200x700x620	
Weight		kg	21.0	
Air Flow Rate	Cooling	High/Medium/Low/Silent Operation	m³/min	
Sound Power	Cooling	High	dBA	
Sound Pressure	Cooling	High/Medium/Low/Silent Operation	dBA	
Refrigerant		Type	R-410A	
Power Supply			1~/220-240/220-230V/50/60Hz	



COOLING ONLY

Indoor Units			FDKS50CVMB	FDKS60CVMB
Dimensions	(Height x Width x Depth)	mm	200x900x620	200x1100x620
Weight		kg	27.0	30.0
Air Flow Rate	Cooling	High/Medium/Low/Silent Operation	m³/min	12.0 / 11.0 / 10.0 / 8.4
Sound Power	Cooling	High	dBA	55.0
Sound Pressure	Cooling	High/Medium/Low/Silent Operation	dBA	37.0 / 35.0 / 33.0 / 31.0
Refrigerant		Type	R-410A	
Power Supply			1~/220-240/220-230V/50/60Hz	



COOLING ONLY

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



COOLING ONLY

Indoor Units			FBQ35B8V1	FBQ50B8V1	FBQ60B8V1
Dimensions	(Height x Width x Depth)	mm	300x700x800		
Weight		kg	30	31	41
Air Flow Rate	Cooling	High/Low	m³/min	14 / 10	19 / 14
	Heating	High/Low	m³/min	14 / 10	19 / 14
Sound Power	Cooling	High	dBA	52	60
	Heating	High	dBA	52	60
Sound Pressure	Cooling	High/Low	dBA	33 / 29	34 / 30
	Heating	High/Low	dBA	33 / 29	34 / 30
Refrigerant		Type	R-410A		
Power Supply			1~/230V/50Hz		



COOLING ONLY

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
	Heating	High/Low	m³/min	9.0 / 6.5	10.0 / 6.5	12.0 / 8.0
Sound Power	Cooling	High	dBA	46.5	49.0	53.0
Sound Pressure	Cooling	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0
	Heating	High/Low	dBA	29.5 / 24.5	32.0 / 25.0	36.0 / 27.0
Refrigerant		Type	R-410A			
Power Supply			1~/230V/50Hz			



COOLING ONLY

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	13.5 / 8.5
	Heating	High/Low	m³/min	12.5 / 10.0	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		



COOLING ONLY

Indoor Units			FHQ35BVV1B	FHQ50BVV1B	FHQ60BVV1B
Dimensions	(Height x Width x Depth)	mm	195x960x680		
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	55.0 / 49.0
	Heating	High/Low	dBA	53.0 / 48.0	55.0 / 49.0
Sound Pressure	Cooling	High/Low	dBA	37.0 / 32.0	39.0 / 33.0
	Heating	High/Low	dBA	37.0 / 32.0	39.0 / 33.0
Refrigerant		Type	R-410A		
Power Supply			1~/220-240V/50Hz		



COOLING ONLY

INVERTER

Outdoor Unit			2MK540G2V1B	2MK550G2V1B
Dimensions	(Height x Width x Depth)	mm	550x765x285	
Weight		kg	38	42
Operation Range	Cooling	Min~Max	10~46	
Sound Power		Cooling	62	63
Sound Pressure (Low)		Cooling	43	44
Sound Pressure (High)		Cooling	47	48
Refrigerant		Type	R-410A	
Power Supply			1~/220-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain	mm	6.35 / 9.5 / 18	6.35 / 9.5 / 18
Piping Length (Maximum)		m	30 (for total of each room) 20 (for 1 room)	
Max. internunit level difference		m	7.5	



COOLING ONLY

INVERTER

Outdoor Unit			3MK550E2V1B	4MK558E2V1B	4MK575F2V1B	5MK590E7V3B
Dimensions	HxWxD	mm	735x936x300	735x936x300	735x936x300	770x900x320
Weight		kg	49	58	57	69
Operation range	Cooling	Min~Max	-10~46	-10~46	-10~46	-10~46
Sound Power		Cooling	59	59	61	62
Sound Pressure (low)		Cooling	-	-	-	-
Sound Pressure (high)		Cooling	46	46	48	48
Refrigerant		Type	R-410A			
Power Supply			1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz	1~/220-240V/50Hz
Piping Connection	Liquid (OD)/Gas/Drain	mm	6.35/12.7/18	6.35/12.7/18	6.35/15.9/18	6.35/15.9/18
Piping Length (Maximum)		m	50	50	60	75
Max. internunit leve difference		m	15	15	7.5	15



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 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.

AIR HANDLING APPLICATIONS

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VRV®+EXV-kit	56

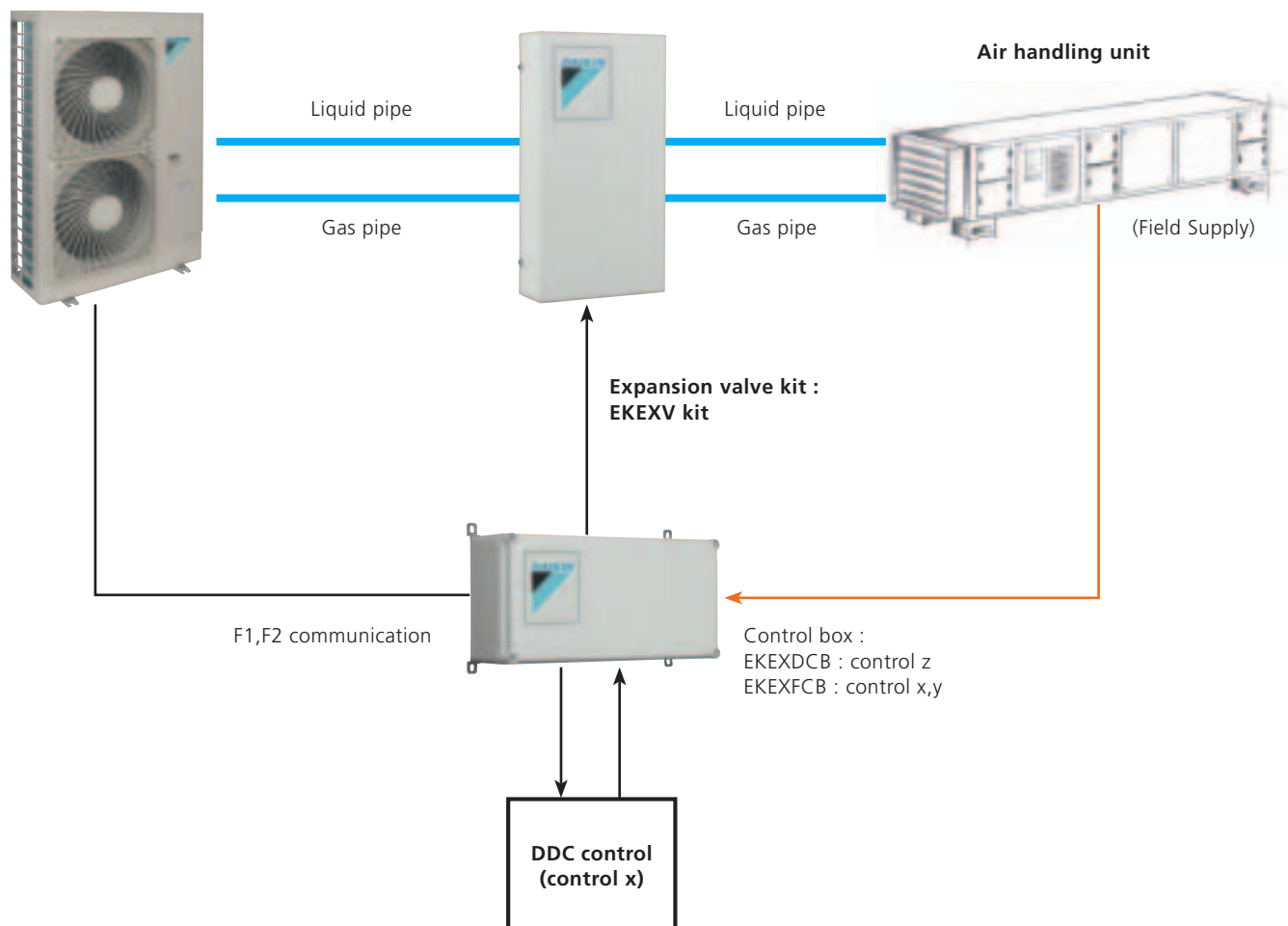


ERX

Condensing Units for Air Handling Applications (pair)

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

- Inverter controlled units
- Large capacity range (from 71 to 140 class)
- Cooling only
- R-410A
- 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
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	-

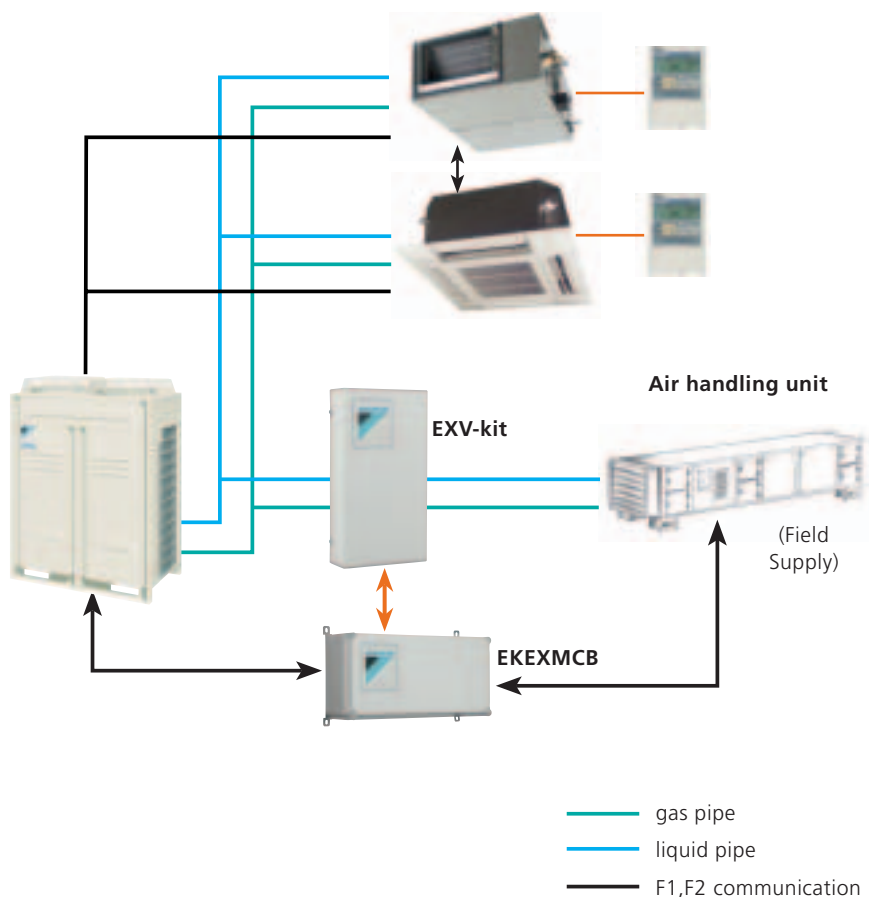
P: Pair; Combination depending on air handling units coils volume.
x: Possibility to connect.



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
- 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
- BRC 1D52 is used to set the set point temperature (connected to the EKEXMCB).



COOLING ONLY

RXQ-P(A)				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 (Nominal)	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 Pressure	Cooling	dBA	54	57	58	60		63	
Air Flow Rate (nominal at 230V)	Cooling		m³/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 unit		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
3ph	RXQ5P	X	X	X	X	X	X	X	X	X
	RXQ8P	X	X	X	X	X	X	X	X	X
	RXQ10P	X	X	X	X	X	X	X	X	X
	RXQ12P	X	X	X	X	X	X	X	X	X
	RXQ14PA	X	X	X	X	X	X	X	X	X
	RXQ16PA	X	X	X	X	X	X	X	X	X
	RXQ18PA	X	X	X	X	X	X	X	X	X

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 - 8/5m VRV®
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 - 8/5m VRV®
level difference	0m

2) nominal heating capacities are based on:

indoor temperature	20°CDB
outdoor temperature	7°CDB/6°CWB
refrigerant piping length	7.5m - 8/5m VRV®
level difference	0m

CHILLERS:

Air-cooled	cooling only	evaporator: 12°C/7°C	ambient: 35°CDB
	heat pump	evaporator: 12°C/7°C	ambient: 35°C
Water-cooled	cooling only	condenser: 40°C/45°C	ambient: 7°CDB/6°CWB
		evaporator: 12°C/7°C	
	heating only	condenser: 30°C/35°C	
		evaporator: 12°C/7°C	
Remote condenser		condenser: 40°C/45°C	
		evaporator: 12°C/7°C	
Remote evaporator	cooling capacity/power input conditions	condensing temperature: 45°C / liquid temperature: 40°C	
		suction dew point: 5°C	ambient: 35°C
Fan coil units	cooling	superheat: 10°C	
		room temperature: 27°C/19°C	
	heating	entering water temperature: 7°C/12°C	
		room temperature: 20°C	
		water inlet temperature: 50°C (2-pipe)/70°C (4-pipe)	

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 appliances that need large power consumption can be used. This function is also energy saving.



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.



Whisper quiet

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



Centralised control

Centralised control to start, stop and regulate several air conditioners from one central point.



Double thermostat function

Controls the temperature via a sensor on the air conditioner or via a sensor on the remote control.



Comfortable sleeping mode

Increased comfort function that follows a specific temperature fluctuation rhythm.



Air filter

Removes airborne dust particles to ensure a steady supply of clean air.



Timer

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



Air purification filter

Removes airborne dust particles and prevents the propagation of bacteria and viruses to ensure a steady supply of clean air.



Outdoor unit silent operation

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



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.



Indoor unit silent operation

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



Drain pump kit

Facilitates condensation draining from the indoor unit.



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.



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.



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.



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.



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.



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.



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In all of us,
a green heart



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues.

For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment.

This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



Daikin Europe N.V. 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.



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.

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Daikin units comply with the European regulations that guarantee the safety of the product.



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. Rooftops are not within the scope of the Eurovent Certification Programme.

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