EPLE03-02A

4-WAY BLOW CEILING MOUNTED CASSETTE (600X600mm)

Daikin air conditioners for shops, restaurants and offices

600x600

FFQ-B

indoor unit FFQ25,35,50,60B

DC INVERTER

OZONE FRIENDLY R-410A

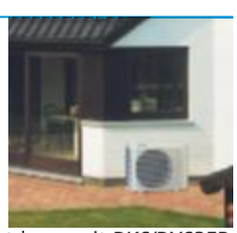
- infrared remote control (optional)
- wired remote control (optional)
- centralised control (optional)
- auto restart
- dry programme
- ceiling prevention
- automatic cooling/heating changeover
- fan only
- auto swing
- air filter
- drain pump (standard)
- fan speed 2 steps
- self diagnosis
- timer
- multi model application
- whisper quiet
- energy efficiency

Compact and slim

- Leaves maximum floor and wall space free for furniture, decoration and fittings
- New and extremely compact casing (575mm in width and depth) enables unit to fit flush into ceilings and match standard architectural modules
- Modern style decoration panel in white
- The indoor unit is extremely quiet in operation : as low as 24.5 dB(A) !
- Possibility to shut 1 or 2 flaps for easy installation in corners
- Excellent low draught characteristics
- Automatic air flow director ensures uniform air flow and temperature distribution

Easy to install

- Since the switch box is located inside the unit, it is easy to install and maintain the cassette in any ceiling type or pattern. Furthermore the switch box can be reached by simply removing the suction grill; therefore maintenance can be done very easily.
- Up to 4 indoor units can be connected to a single Multi outdoor unit. All indoor units can be individually controlled with remote control and do not need to be installed in the same room
- Outdoor units can be easily mounted on a roof or terrace or placed against an outside wall



outdoor unit RKS/RXS35B

Easy control at your fingertips

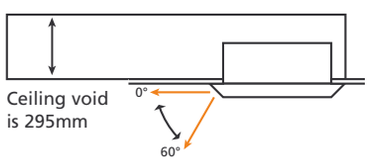
NEW

- The new wired remote control has following new features:
  - A real time clock
  - A schedule timer:
    - Possibility to program a weekly schedule timer
    - Possibility to program 5 actions for each day of the week
  - Home leave (frost protection): during absence, the indoor temperature can be maintained at a certain level. This function can also switch the unit ON/OFF.
- Remote ON/OFF, forced OFF:
  - Remote ON/OFF: e.g. your air conditioning can be started/stopped from a mobile phone via a telephone remote control (field supply).
  - Forced OFF: e.g. air conditioning is switched off automatically if a window is opened.

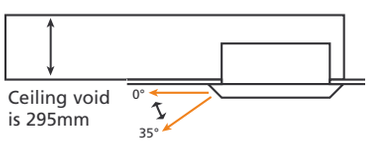
Maximum comfort with whisper quiet multi blow air distribution throughout the room

Comfortable air flow

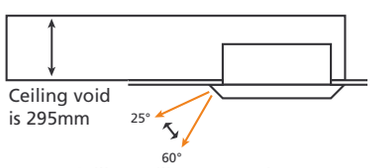
- **Auto swing:**
  Vertical auto swing moves the discharge flaps up and down to distribute air effectively throughout the room. Since the flaps can move to a zero deg. position, virtually no draught can be experienced.



Standard setting:
Auto swing between 0deg to 60deg

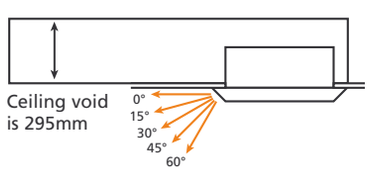


Draught prevention:
Auto swing between 0deg and 35deg

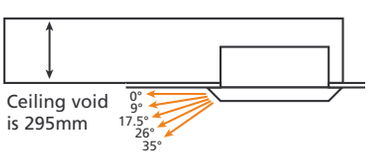


Ceiling soiling prevention:
Auto swing between 25deg and 60deg

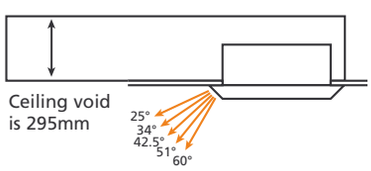
- **5 different air flow patterns:**
  Any one of five air flow patterns can be freely selected between 0deg. and 60deg. and will then be maintained during the operational cycle of the air conditioner.



Standard setting:
Up to 5 different patterns can be set between 0deg and 60deg



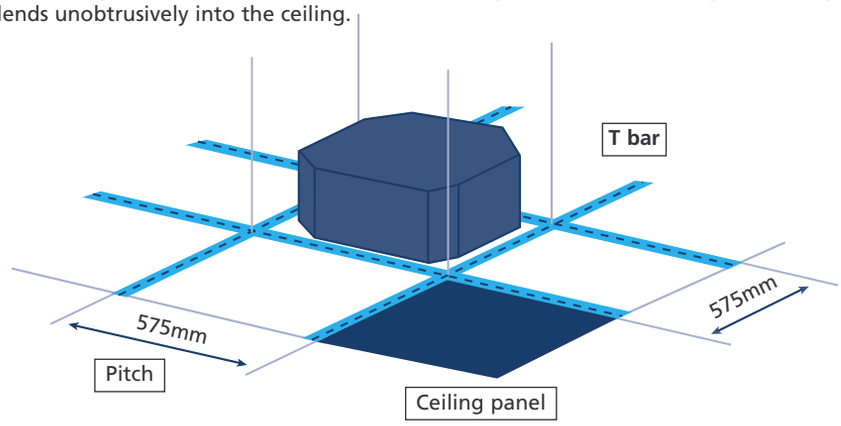
Draught prevention:
Up to 5 different patterns can be set between 0deg and 35deg



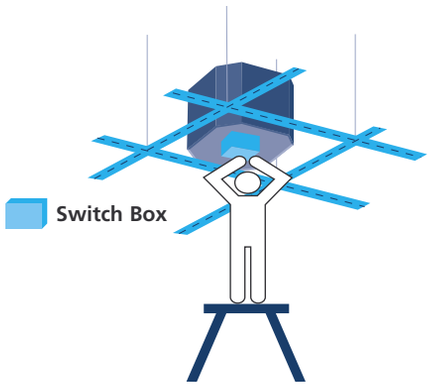
Ceiling soiling prevention:
Up to 5 different patterns can be set between 25deg and 60deg

Easy installation and maintenance

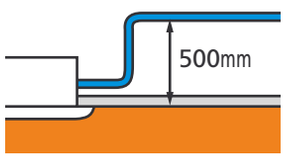
- Due to its compact casing, the unit fits flush into standard ceiling tiles – thus no ceiling tile cutting is necessary. The cassette blends unobtrusively into the ceiling.



• Since the switch box is located within the unit, it is easy to access from below for maintenance without removing ceiling tiles. Furthermore the switch box can be reached by simply removing the suction grill; therefore maintenance can be done very easily.



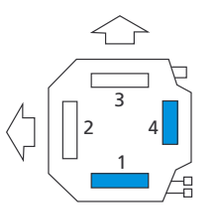
• The unit is provided with a standard 500mm lift drain pump.



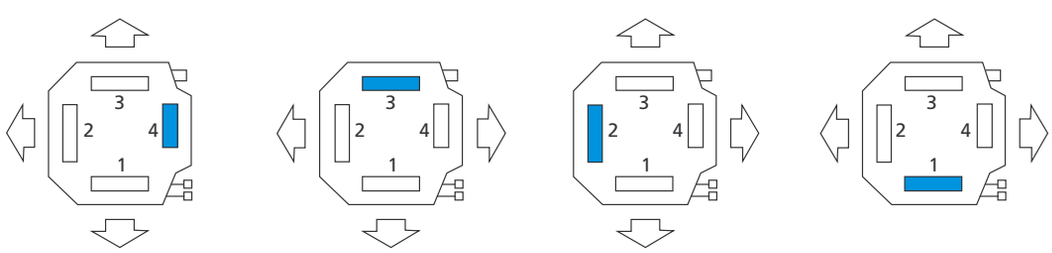
Multi flow system

Air flow rates and directions can be selected to suit varying room shapes with 2, 3 or 4-way blow air distribution. For 2-way or 3-way blow installation, the sealing component on the air discharge outlet (optional) must be used to close off the unused outlet(s).

2-way blow



3-way blow



Very silent in operation

The unit is very silent in operation as indicated by the sound pressure levels given in table below :

	High	Low
FFQ25B	29.5 dB(A)	24.5 dB(A)
FFQ35B	32 dB(A)	25 dB(A)
FFQ50B	36 dB(A)	27 dB(A)
FFQ60B	41 dB(A)	32 dB(A)

Capacity and power input

COOLING ONLY (air cooled)	INDOOR UNITS / OUTDOOR UNITS		FFQ25BV1B / RKS25BVMB	FFQ35BV1B / RKS35BVMB	FFQ50BV1B / RKS50BVMB	FFQ60BV1B / RKS60BVMB	FFQ50BV1B / RS50BVMB	FFQ60BV1B / RS60BVMB
Nominal capacity (min.~nom.~max.)	cooling	kW	1.00~2.50~3.00	1.00~3.40~3.70	0.90~4.70~5.60	0.90~5.80~6.00	4.70 (nom.)	5.80 (nom.)
Nominal input (min.~nom.~max.)	cooling	kW	0.48~0.83~1.10	0.48~1.30~1.47	0.45~1.80~2.26	0.45~2.07~2.15	1.80 (nom.)	2.07 (nom.)
EER			3.01	2.62	2.61	2.80	2.61	2.80
Energy label	cooling		B	D	D	D	D	D
Annual energy consumption	cooling	kWh	415	650	900	1,035	900	1,035

HEAT PUMP (air cooled)	INDOOR UNITS / OUTDOOR UNITS		FFQ25BV1B / RXS25BVMB	FFQ35BV1B / RXS35BVMB	FFQ50BV1B / RXS50BVMB	FFQ60BV1B / RXS60BVMB
Nominal capacity (min.~nom.~max.)	cooling	kW	1.00~2.50~3.00	1.00~3.40~3.70	0.90~4.70~5.60	0.90~5.80~6.00
	heating	kW	1.00~3.20~4.50	1.00~4.50~5.00	0.90~5.50~7.00	0.90~7.00~8.00
Nominal input (min.~nom. ~max.)	cooling	kW	0.48~0.83~1.10	0.48~1.30~1.47	0.45~1.80~2.26	0.45~2.07~2.15
	heating	kW	0.40~0.94~1.75	0.44~1.60~1.80	0.45~1.96~2.78	0.45~2.49~2.92
EER			3.01	2.62	2.61	2.80
COP			3.40	2.81	2.81	2.81
Energy label	cooling		B	D	D	D
	heating		C	D	D	D
Annual energy consumption	cooling	kWh	415	650	900	1,035

Notes:
1) Energy label : scale from A (most efficient) to G (less efficient).
2) Annual energy consumption: based on average use of 500 running hours per year at full load (= nominal conditions)

MULTI - COOLING ONLY	Max. n° of indoor units	Max. cooling capacities (kW)	Max. PI cooling (kW)
4MKS58BVMB	4	6.60	2.22
4MKS75BVMB	4	9.47	3.52
4MKS90BVMB	4	9.40	3.35

MULTI - HEAT PUMP	Max. n° of indoor units	Max. cooling capacities (kW)	Max. PI cooling (kW)	Max. heating capacities (kW)	Max. PI heating (kW)
3MXS52BVMB	3	6.50	2.42	7.34	2.44
4MXS68BVMB	4	8.67	3.47	10.64	3.07
4MXS80BVMB	4	9.45	3.04	11.00	3.04

Notes:
1) For more detailed information about capacities, power input, energy labelling and annual energy consumption, please refer to our Multi Model catalogue or check with your local dealer.
2) At least 2 indoor units should be connected to a Multi outdoor unit.

FFQ25,35,50,60BV1

Specifications indoor units

COOLING ONLY / HEAT PUMP			FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
Dimensions (HxWxD)	unit	mm	286x575x575			
	decoration panel	mm	55x700x700			
Weight	unit	kg	17.5			
	decoration panel	kg	2.7			
Colour	decoration panel		White (RAL 9010)			
Air flow rate (H/L)	cooling-heating	m^3/min	9/6.5	10/6.5	12/8	15/10
Fan speed			2 steps			
Sound pressure level (H/L)	cooling-heating	dB(A)	29.5/24.5	32/25	36/27	41/32
Sound power level (H)	cooling-heating	dB(A)	46.5	49	53	58
Piping connections	liquid	mm	ø6.4			
	gas	mm	ø9.5		ø12.7	
	drain (VP25)	ID mm	ø20			
		OD mm	ø26			
Heat insulation			Both liquid and gas pipes			

Accessories: control systems

INDOOR UNITS		25	35	50	60
Wired remote control		BRC1D527			
Infrared remote control	cooling only	BRC7E531W			
	heat pump	BRC7E530W			
Centralised remote control		DCS302B51			
Unified ON/OFF control		DCS301B51			
Schedule timer		DST301B51			
Adapter for wiring (1)		KRP1B57			
Adapter for external ON/OFF and monitoring (1)		KRP4A53			
Adapter for wiring (hour meter) (2)		EKRP1B2			
Remote sensor		KRCS01-1			
Installation box for adapter PCB		KRP1B101			
Interface adapter for Sky Air		DTA112B51			
Remote ON/OFF, forced OFF		EKRORO			

(1) Installation box for adapter PCB (KRP1B101) is necessary.
(2) Possibility to connect an hour meter (field supply). This part should not be installed inside the equipment.

Optional accessories

INDOOR UNITS		25	35	50	60
Decoration panel		BYFQ60BW1			
long-life filter		KAFQ441B60			
Fresh air intake kit	direct installation type	KDDQ44X60			
Sealing member of air discharge outlet		KDBHQ44B60			
Panel spacer		KDBQ44B60			

Specifications outdoor units


RKS/RXS35BVMB


RKS/RXS50,60BVMB


RS50,60BVMB

COOLING ONLY				RKS35BVMB	RKS50BVMB	RKS60BVMB	RS50BVMB	RS60BVMB
Dimensions	HxWxD		mm	560x695x265	735x825x300		735x825x300	
Weight			kg	37	49	53	49	53
Casing colour				Ivory white			Ivory white	
Sound pressure level (H/L)	cooling		dB(A)	47/44	47/-	49/-	47/-	49/-
Sound power level (H)	cooling		dB(A)	60	63	64	63	64
Compressor				Swing compressor			Swing compressor	
Refrigerant type				R-410A			R-410A	
Refrigerant charge			g/m	20 (piping length>10m)			20 (piping length>10m)	
Maximum piping length			m	25	30		30	
Maximum level difference			m	15	20		20	
Standard operation range	cooling	from~to	°CDB	-10~46			+10~46	

HEAT PUMP				RXS35BVMB	RXS50BVMB	RXS60BVMB
Dimensions	HxWxD		mm	560x695x265	735x825x300	
Weight			kg	37	49	53
Casing colour				Ivory white		
Sound pressure level (H/L)	cooling		dB(A)	47/44	47/-	49/-
	heating		dB(A)	48/45	48/-	49/-
Sound power level (H)	cooling		dB(A)	60	63	64
	heating		dB(A)	-	64	
Compressor				Swing compressor		
Refrigerant type				R-410A		
Refrigerant charge			g/m	20 (piping length>10m)		
Maximum piping length			m	20	30	
Maximum level difference			m	15	20	
Standard operation range	cooling	from~to	°CDB	-10~46		
	heating	from~to	°CWB	-15~20		

Optional accessories

OUTDOOR UNITS	35	50	60
Air direction adjustment grille	KPW937A4	KPW945A4	

Notes:
1) V1 = 1~,230V,50Hz; VM = 1~, 220-240V/220-230V, 50Hz/60Hz
2) Nominal cooling capacities are based on: indoor temperature 27°CDB/19°CWB • outdoor temperature 35°CDB • refrigerant piping length 7.5m • level difference 0m.
3) Nominal heating capacities are based on: indoor temperature 20°CDB • outdoor temperature 7°CDB/6°CWB • refrigerant piping length 7.5m • level difference 0m.
4) Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
5) Units should be selected on nominal capacity. Max. capacity is limited to peak periods.
6) The sound pressure level is measured at 1m distance from the unit. It is a relative value, depending on the distance and acoustic environment.
7) The sound power level is an absolute value indicating the "power" which a sound source generates.

Daikin's unique position as a manufacturer of air conditioning equipment, compressors and ozone-friendly 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 environmental friendly products. This challenge demands the eco design and development of a wide range of products and an energy management system; which involves energy conservationand reduction of waste.

Daikin products are distributed by:

Specifications are subject to change without prior notice.

DAIKIN EUROPE N.V.
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Internet: http://www.daikineurope.com

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

Daikin Europe N.V. is participating in the EUROVENT Certification Programme. Products are as listed in the EUROVENT Directory of Certified Products.

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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