

# 4-WAY BLOW CEILING MOUNTED CASSETTE (600X600mm)

Daikin air conditioners for shops, restaurants and offices



FFQ-B



indoor unit FFQ25,35,50,60B



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
twin/triple double twin	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
- These indoor units can also be connected to the super inverter RZQ-B.
- 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

- The wired remote control has following 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.
  - Limit operation (min./max.): room temperature is controlled within adjustable upper and lower limits. This can be activated manually or by schedule timer.
- 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.



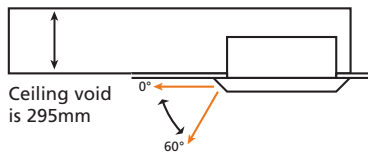


*Maximum comfort  
with whisper quiet  
multi blow air  
distribution  
throughout the room*

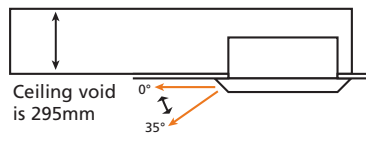
## Comfortable air flow

- **Auto swing:**

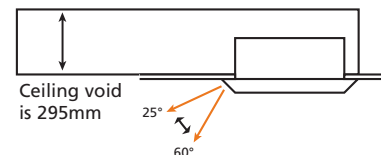
Vertical auto swing moves the discharge flaps up and down to distribute air effectively throughout the room. Since the flaps can move to a zero deg. position, virtually no draught can be experienced.



Standard setting:  
Auto swing between 0deg to 60deg



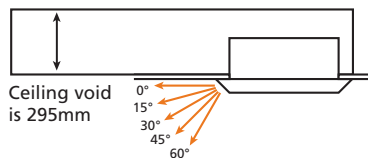
Draught prevention:  
Auto swing between 0deg and 35deg



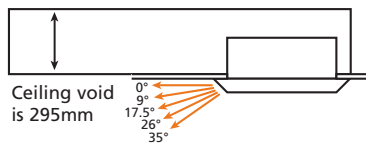
Ceiling soiling prevention:  
Auto swing between 25deg and 60deg

- **5 different air flow patterns:**

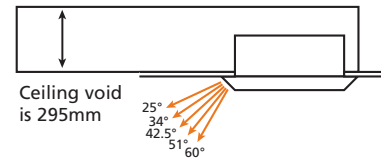
Any one of five air flow patterns can be freely selected between 0deg. and 60deg. and will then be maintained during the operational cycle of the air conditioner.



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



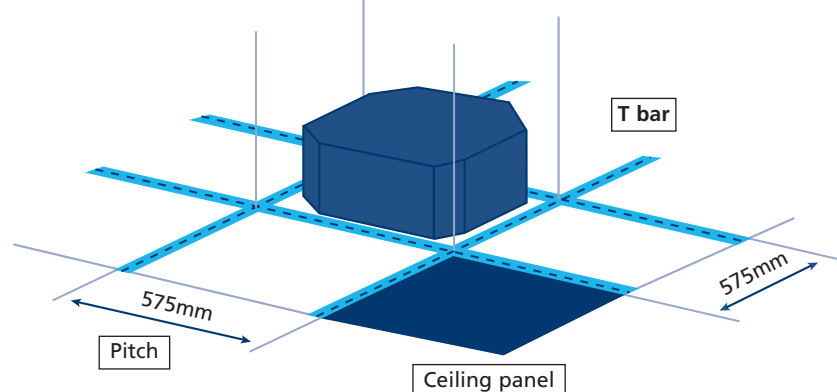
Draught prevention:  
Up to 5 different patterns can be set  
between 0deg and 35deg



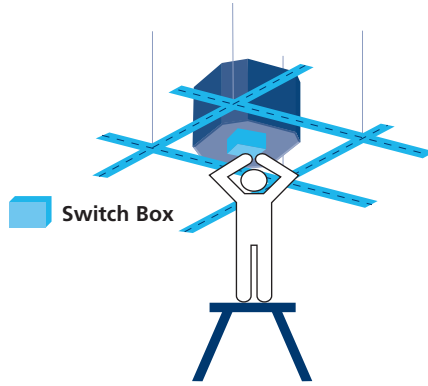
Ceiling soiling prevention:  
Up to 5 different patterns can be set  
between 25deg and 60deg

## Easy installation and maintenance

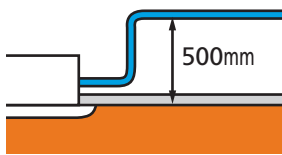
- Due to its compact casing, the unit fits flush into standard ceiling tiles – thus no ceiling tile cutting is necessary. The cassette blends unobtrusively into the ceiling.



- 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.

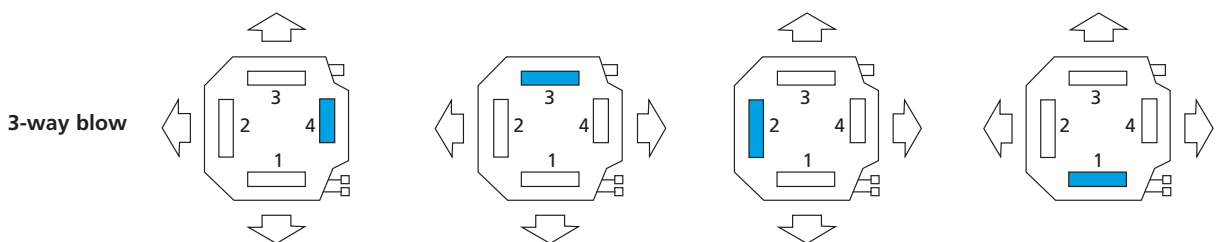
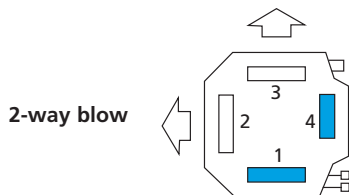


- The unit is provided with a standard 500mm lift drain pump.



## 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).



## 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		FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B	FFQ50BV1B	FFQ60BV1B
	OUTDOOR UNITS		RKS25BVMB	RKS35BVMB	RKS50BVMB9	RKS60BVMB9	RS50BVMB	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		FFQ25BV1B	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B		
	OUTDOOR UNITS		RXS25BVMB	RXS35BVMB	RXS50BVMB	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) The Energy Label Directive 2002/31/EC will enter into force once the relevant measurement standard will be published in the European Official Standard.
- 3) 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:

- 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.
- \* At least 2 indoor units should be connected to a Multi outdoor unit.

TWIN/TRIPLE/ DOUBLE TWIN APPLICATION	FFQ35BV1B	FFQ50BV1B	FFQ60BV1B
RZQ71B7V3B	2		
RZQ100B7V3B	3	2	
RZQ125B7V3B	4	3	2

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	m³/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			DCS302C51	
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

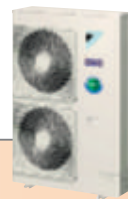


COOLING ONLY			RKS25BVMB	RKS35BVMB	RKS50BVMB9	RKS60BVMB9	RS50BVMB	RS60BVMB
Dimensions	HxWxD	mm	560x695x265		735x825x300		735x825x300	
Weight		kg	37		49	53	49	53
Casing colour			Ivory white				Ivory white	
Sound pressure level (H/L)	cooling	dB(A)	46/43	46/43	47/-	49/-	47/-	49/-
Sound power level (H)	cooling	dB(A)	59	59	63	64	63	64
Compressor			hermetically sealed swing type				Swing compressor	
Refrigerant type			R-410A				R-410A	
Refrigerant charge		g/m	20 (for piping length exceeding 10m)				20 (piping length>10m)	
Maximum piping length		m	25	25	30		30	
Maximum level difference		m	15	15	20		20	
Standard operation range	cooling	from~to °CDB	-10~46	-10~46	-10(-15*)~46		+10~46	
HEAT PUMP			RXS25BVMB	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)	46/43	46/43	47/-	49/-		
	heating	dB(A)	47/44	47/44	48/-	49/-		
Sound power level (H)	cooling	dB(A)	59	59	63	64		
	heating	dB(A)	-	-	64			
Compressor			Hermetically sealed swing type					
Refrigerant type			R-410A					
Refrigerant charge		g/m	20 (for piping length exceeding10m)					
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					

\* Possibility to extend the operation range down to -15°C by turning on the switch on the outdoor unit PCB. In this case, the unit will stop operation at -20°C or lower and will recover when temperature rises again.



RZQ71B7V3B



RZQ100-125B7V3B

## Specifications outdoor units

HEAT PUMP			RZQ71B7V3B	RZQ100B7V3B	RZQ125B7V3B
Dimensions	HxWxD	mm	770x900x320	1,345x900x320	
Weight		kg	61	106	
Casing colour	Ivory white				
Sound pressure level (H) (night quiet mode)	cooling	dB(A)	47 (43)	49 (45)	50 (45)
	heating	dB(A)	49	51	52
Sound power level (H)	cooling	dB(A)	63	65	66
Compressor			2YC63BXD	JT100FCVD	
Refrigerant type			R-410A		
Refrigerant charge		g/m	3.2 (for 30m)	4.3 (for 30m)	
Maximum piping length		m	50 (equivalent length 70)	75 (equivalent length 95)	
Minimum piping length		m	5 (3m by field setting)		
Maximum level difference		m	30		
Standard operation range	cooling	from~to	°CDB		
	heating	from~to	°CWB		
				-15~50	-20~15.5

## Optional accessories

OUTDOOR UNITS	RKS/RXS25BVMB	RKS/RXS35BVMB	RS/RKS/RXS50BVMB(9)	RS/RKS/RXS60BVMB(9)
Air direction adjustment grille	KPW937A4		KPW945A4	

OUTDOOR UNITS	RZQ71B7V3B	RZQ100B7V3B	RZQ125B7V3B
Central drain plug	KKPJ5F180		
Refrigerant branch piping	for twin	KHRQ22M20TA7	
	for triple	-	KHRQ127H7
	for double twin	-	KHRQ22M20TA7(x3)
Demand adapter kit	remote control of sound reduction and power input	KRP58M51	

### Notes:

- 1) V1 = 1~, 230V, 50Hz; VM = 1~, 220-240V/220-230V, 50Hz/60Hz; V3 = 1~, 230V, 50Hz
- 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.

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 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 conservation and reduction of waste.

Daikin products are distributed by:



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.

Specifications are subject to change without prior notice.

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