

4-WAY BLOW CEILING MOUNTED CASSETTE

Daikin air conditioners for shops, restaurants and offices

NEW

FCQ-B



indoor unit FCQ35/50/60B7



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

Stylish & compact

- Leaves maximum floor and wall space for furniture, decoration and fittings
- Fits flush into each ceiling
- Extremely quiet in operation both indoors and outdoors
- Air can be discharged in any of four directions
- Possibility of using 1 or 2 branches for better air distribution
- Possibility to shut off one or two flaps for easy installation in corners
- Air flow distribution for ceiling heights up to 4.2 without loss of capacity

Easy to install

- Up to 4 indoor units can be connected to 1 Multi outdoor unit. All indoor units are individually controllable with remote control and do not need to be installed in the same room.
- The outdoor unit can easily be mounted on a roof, a terrace or placed against an outside wall



outdoor unit RKS/RXS35B

Easy control at your fingertips

- The (wired) remote control has a programmable timer
- Centralised control of several units can be achieved via three wired controls:
 - Centralised remote control
 - Unified ON/OFF control
 - Schedule timer
- Set back time clock: connected to a wired remote controller. This timer can set two groups of on/off times in an increment of 30 minutes within a day. For each on/off setting a temperature setting is also possible.

* Set back time clock cannot be used in auto mode.

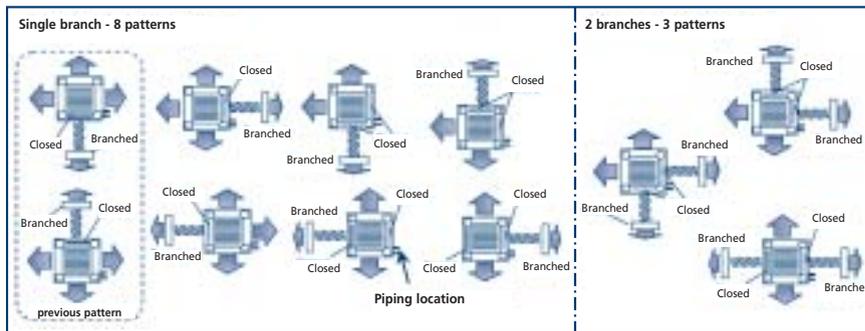




*Maximum comfort
with draught free,
whisper quiet multi
blow air distribution*

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.



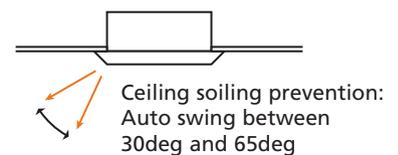
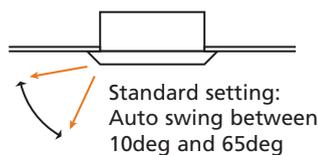
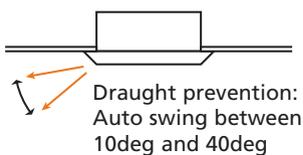
use of branches

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).

Comfortable air flow

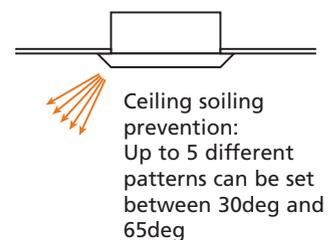
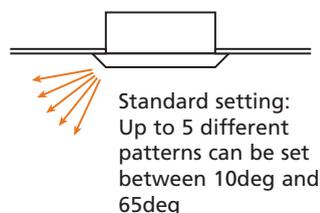
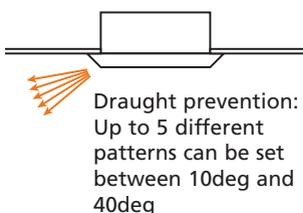
Auto swing:

Vertical auto swing automatically moves the flaps up and down to distribute air effectively throughout the whole room.



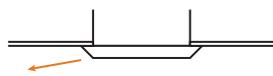
5 different airflow patterns:

Any one of five different air flow patterns can be freely selected between 0deg and 65deg. This air flow pattern will then be maintained during the operation of the air conditioner.

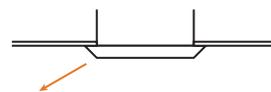


Draught prevention (heating mode):

Prevents draughts by automatically changing to horizontal air flow discharge when the heater is started up and the thermostat is switched off.



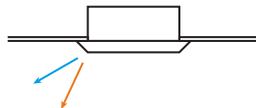
Draught prevention:
Automatically set to 10deg



Ceiling soiling prevention:
Automatically set to 30deg

Auto blow air flow control:

The last air flow pattern is memorised and automatically reset the next time the unit is turned ON.



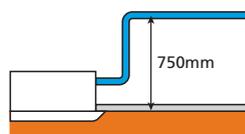
Draught prevention: Initial setting is 30deg for cooling and 65deg for heating

Extremely silent operation

These indoor units use an aerodynamically designed diffuser turbo fan. Quiet operation is achieved through the unified structure of 3 dimensional blades and air diffuser, which determines the flow of air within the unit.

Quick and easy installation

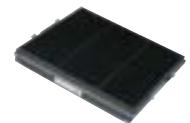
Provided with a high drain up pump with increased lift of 750mm.



Optional accessories:

Ultra long life filter:

The provision of an ultra long life filter enables maintenance to be carried out on a yearly basis, even in smoke ridden environments where the air conditioning is continuously running.



High efficiency filter:

This filter easily exceeds dust collection efficiency regulations specified in building codes.

Fresh air intake kit:

This kit is used to connect a plenum chamber directly to the indoor unit in order to increase outdoor air intake volume.

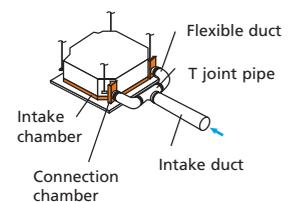
Different installation possibilities:

1. Chamber type (without T-joint pipe)

Kit name: KDDJ55B160

Notes:

- Requires an inspection port for maintenance access
- If intake ducts cannot be connected to both connection chambers due to an obstruction for example, single intake duct installation is possible.
- A single intake duct can only be installed for use with a remote control.

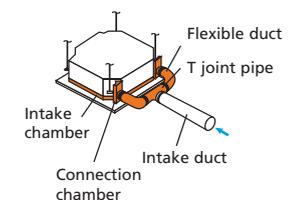


2. Chamber type (with the T joint pipe)

Kit name: KDDJ55B160K

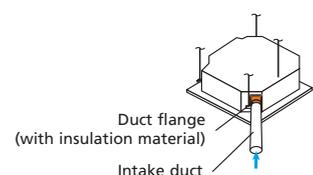
Notes:

- Requires an inspection port for maintenance access
- For dual intake duct installation only. If a single intake duct must be connected due to an obstruction etc., kit KDDJ55B160 should be used instead.
- This kit may not be used when using a remote control because single intake duct installation only is possible.



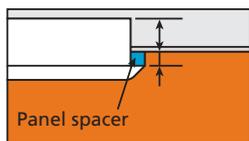
3. Direct installation type

Kit name: KDDJ55X160



Panel spacer:

Use when only minimal space is available between drop ceilings and ceiling slabs.



Capacity and power input

COOLING ONLY (air cooled)	INDOOR UNITS		FCQ35B7V1	FCQ50B7V1	FCQ60B7V1	FCQ50B7V1	FCQ60B7V1
	OUTDOOR UNITS		RKS35BVMB	RKS50BVMB	RKS60BVMB	RS50BVMB	RS60BVMB
Capacity (min.-nom.-max.)	cooling	kW	1.00~3.40~3.70	0.90~5.00~5.60	0.90~5.70~6.00	5.00 (nom.)	5.70 (nom.)
Power input (nom.)	cooling	kW	1.21	1.92	2.19	1.92	2.19
EER			2.81	2.60	2.60	2.60	2.60
Energy label	cooling		C	E	E	E	E
Annual energy consumption	cooling	kW/h	605	960	1,095	960	1,095
HEAT PUMP (air cooled)	INDOOR UNITS		FCQ35B7V1	FCQ50B7V1	FCQ60B7V1		
	OUTDOOR UNITS		RXS35BVMB	RXS50BVMB	RXS60BVMB		
Nominal capacity (min.-nom.-max.)	cooling	kW	1.00~3.40~3.70	0.90~5.00~5.60	0.90~5.70~6.00		
	heating	kW	1.00~4.10~5.00	0.90~6.00~7.00	0.90~7.00~8.00		
Nominal input (nom.)	cooling	kW	1.21	1.92	2.19		
	heating	kW	1.28	1.87	2.19		
EER			2.81	2.60	2.60		
COP			3.20	3.21	3.20		
Energy label	cooling		C	E	E		
	heating		D	C	D		
Annual energy consumption	cooling	kW/h	605	960	1,095		

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

Note: 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.



Specifications indoor units

COOLING ONLY / HEAT PUMP			FCQ35B7V1	FCQ50B7V1	FCQ60B7V1
Dimensions (HxWxD)	unit	mm	230x840x840		
	decoration panel	mm	40x950x950		
Weight	unit	kg	23		
	decoration panel	kg	5		
Colour	decoration panel		White		
Air flow rate (H/L)	cooling	m³/min	14/10	15/11	18/14
	heating	m³/min	14/10	15/11	18/14
Fan speed			2 steps (direct drive)		
Sound pressure level (H/L)	cooling	dB(A)	31/27		33/28
	heating	dB(A)	31/27		33/28
Sound power level (H)	cooling	dB(A)	48		50
	heating	dB(A)	48		50
Piping connections	liquid	mm	ø6.4		
	gas	mm	ø9.5	ø12.7	
	drain (VP25)	ID mm	ø25		
		OD mm	ø32		
Heat insulation		Both liquid and gas pipes			

Accessories: control systems

INDOOR UNITS	30	50	60
Wired remote control		BRC1C517	
Infrared remote control	cooling only	BRC7C513W	
	heat pump	BRC7C512W	
Centralised remote control		DCS302B51	
Electrical box with earth terminal (3 blocks)		KJB311A	
Unified ON/OFF control		DCS301B51	
Electrical box with earth terminal (2 blocks)		KJB212A	
Noise filter (for electromagnetic interface use only)		KEK26-1	
Schedule timer		DST301B51	
Set back time clock		BRC15A51	
Adapter for wiring		KRP1B2	
Adapter for external ON/OFF and monitoring (1)		KRP1B57	
Adapter for external ON/OFF and monitoring (2)		KRP4A53	
Remote sensor		KRCS01-1	
Installation box for adapter PCB		KRP1C98	
Interface adapter for Sky Air		DTA112B51	
Remote ON/OFF, forced OFF		EKRORO	

Optional accessories

INDOOR UNITS	35	50	60
Decoration panel		BYC125KJW1	
High-efficiency filter 65% (colorimetric method)		KAFJ556K80	
High-efficiency filter 90% (colorimetric method)		KAFJ557K80	
Replacement high-efficiency filter 65% (colorimetr. method)		KAFJ552K80	
Replacement high-efficiency filter 90% (colorimetr. method)		KAFJ553K80	
Filter chamber		KDDFJ55K160	
Replacement long-life filter (non-woven type)		KAFJ551K160	
Ultra long-life filter		KAFJ55K160	
Replacement ultra long-life filter		KAFJ55K160H	
Fresh air intake kit	Chamber type	without T-shape & fan	KDDJ55B160
		with T-shape and fan	KDDJ55B160F
		with T-shape, without fan	KDDJ55B160K
	Direct installation type	KDDJ55X160	
Sealing member of air discharge outlet		KDBHJ55B160	
Panel spacer		KDBJ55K160W	
Branch duct chamber		KDJ55B80	
Chamber connection kit		KKSJ55K160	



R(X)KS35BVMC



R(X)KS50,60BVMC



RS50,60BVMC

Specifications outdoor units

COOLING ONLY				RKS35BVMC	RKS50BVMC	RKS60BVMC	RS50BVMC	RS60BVMC
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		62	60	62	
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				RXS35BVMC	RXS50BVMC	RXS60BVMC		
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		62			
	heating	dB(A)	-	61	62			
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 1.5m 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 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.

DAIKIN EUROPE N.V.

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