

The benefits of a **Multi system**

- **Air conditioning in every room**

A Multi system allows up to 4 indoor units to operate off a single outdoor unit, thereby reducing installation space and costs. All indoor units can be individually controlled and do not need to be installed at the same time - extra units (up to a maximum of 4) can be added later.



- **The widest choice**

Different types of indoor units — wall mounted, concealed ceiling, floor standing etc - in different capacities can be mixed together in Multi system applications. Thus the ideal indoor unit can be selected for the bedroom, living room, office or wherever, according to the installation surface or personal requirements.



- **An ideal indoor climate**

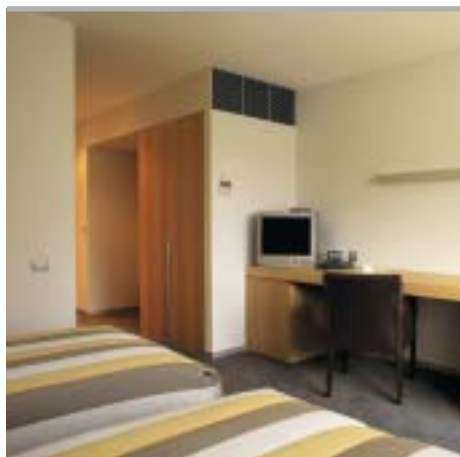
A single outdoor unit can cool down or heat up a complete house, office or small shop at different times. A pleasant climate can be enjoyed whilst working at the desk in the afternoon, as well as a constant temperature in the living room and cool bedrooms in the evening.



Indoor units

for small commercial use

In offices, hotels, department stores and most other commercial premises Daikin air conditioning improves the indoor environment and creates a basis for increased business prosperity – efficiently, economically and discreetly.



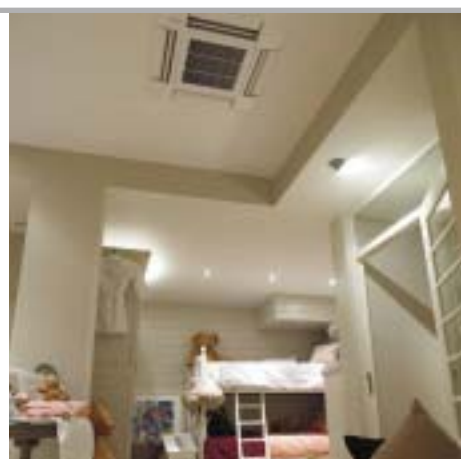
< Concealed ceiling unit

Concealed ceiling unit >



< 4-way blow ceiling mounted cassette (950x950)

4-way blow ceiling mounted cassette >
(600x600)



< Ceiling suspended unit

FDBQ-B & FBQ-B

Concealed ceiling unit



Comfort

- Leaves maximum floor and wall space for furniture, decoration and fittings
- Blends unobtrusively with any interior décor
- The position of the individual air discharge grilles can be altered, enabling a uniform temperature, even in irregularly shaped rooms
- Optimum air distribution
- Quiet in operation

Energy efficient

- Home leave operation saves energy during absence

Slim design for flexible installation

- Fits flush into narrow ceiling voids
- Only air suction and discharge grilles are visible
- The maximum external static pressure (ESP) is 88Pa for FBQ

HEAT PUMP (air cooled)				FDBQ25B7V1	FBQ35B7V1	FBQ50B7V1	FBQ60B7V1	FBQ71B7V1						
Dimensions		HxWxD		mm	230x652x502		300x700x800		300x1,000x800					
Weight				kg	17		30		31		41		41	
Fan speed				steps	2 steps (direct drive)									
Air flow rate		cooling	H/L	m³/min	6.5/5.2		11.5/9		14/10		19/14		19/14	
		heating	H/L	m³/min	6.95/5.2		11.5/9		14/10		19/14		19/14	
Sound pressure level		cooling	H/L	dB(A)	35/28		33/29		33/29		34/30		34/30	
		heating	H/L	dB(A)	35/29		33/29		33/29		34/30		34/30	
Sound power level		cooling	H/L	dB(A)	55/49		52/*		53/*		60/*		60/*	
		heating	H/L	dB(A)	55/49		52/*		53/*		60/*		60/*	
Piping connections				liquid	mm		ø6.4							
				gas	mm		ø9.5				ø12.7			
				drain	ID	mm	ø21.6		ø25.0					
				(VP 20)	OD	mm	ø27.2		ø32.0					
Heat insulation					both liquid and gas pipes									
Power supply				V1	1 ~, 230V, 50Hz									
Wired remote control					BRC1D527									
DECORATION PANEL					Not applicable		BYBS45DJW1				BYBS71DJW1			
Dimensions		HxWxD		mm	Not applicable		55x880x500				55x1,100x500			
Weight				kg	Not applicable		3.5				4.5			
Colour					Not applicable		White							

* This information was not available at the time of publication.



Concealed ceiling units are ideal for use in small rooms such as hotel bedrooms. They are built into the false ceiling, leaving only the suction and discharge grilles visible. The grilles can be placed wherever you want and blend with any interior décor. Not only are concealed ceiling units visually unobtrusive, they are also among the quietest types of air conditioning.

COMFORT

- You have the choice of 2 **fan speeds** to select: high or low. A high fan speed provides maximum reach while a low fan speed minimizes draughts.
- The indoor unit is very **quiet in operation**. The sound levels are as low as 29dB (A), comparable to rustling leaves.
- The indoor unit contains an air **filter** which removes microscopic particles and dust.

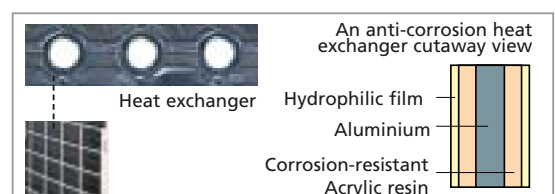
FLEXIBLE INSTALLATION AND EASY TO MAINTAIN

- Since the indoor unit is low in height it fits flush into **narrow ceiling voids**.
- The air **duct** between the indoor unit and the discharge grille can be up to 0.5m



① Can be 0.5 m long

- The **outdoor unit** can be installed on a roof or terrace or placed against an outside wall.
- Special **anti-corrosion treatment** of the outdoor unit's heat exchanger fin, gives greater resistance against acid rain and salt corrosion. Additional resistance is provided by a rust proof steel sheet on the underside of the unit.



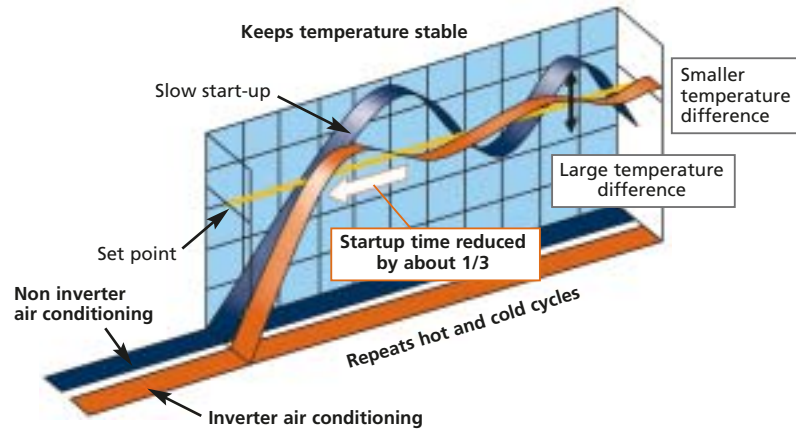
- Daikin **remote controls** give you easy control at your fingertips.
- The **wired remote control** provides you with a schedule timer, enabling to program the air conditioning daily or weekly.
- For **hotel applications** the indoor unit can be switched off at reception when a guest checks out and restarted when one checks in. It can also be operated by remote control to switch off if a window is opened and restart on its closure and similarly, to switch off when a guest leaves the room and restart when one enters.

ENERGY EFFICIENT

- **Inverter technology**

Improved energy efficiency:

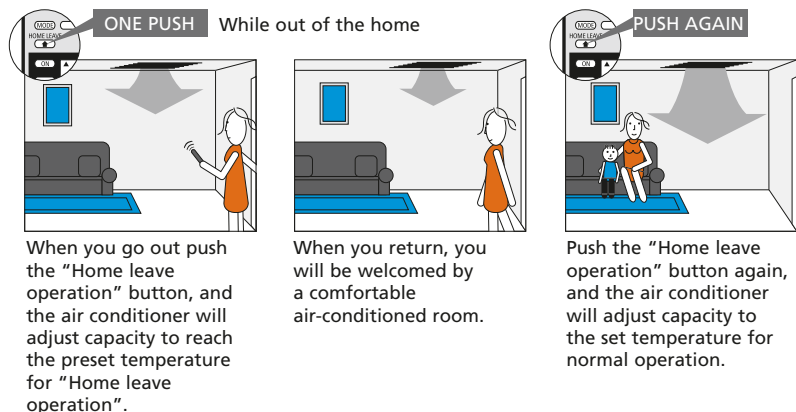
The use of integrated inverter control ensures maximum **energy efficiency** by supplying only the required heating or cooling load where a standard non inverter unit would supply maximum load in an on/off regime.



Improved comfort:

The rapid start up time provided by the inverter increases **comfort** by reducing the lead time in obtaining the required indoor temperature. As soon as the required temperature is reached, the inverter unit continuously scans the room for small changes and adjusts the room temperature in seconds, thereby increasing comfort once again.

- The **'home leave' operation** button prevents large temperature differences by continuously operating at a minimum (heating mode) or maximum (cooling mode) preset level while you're out or sleeping. It also allows the indoor temperature to return quickly to your favourite comfort level.



Wired remote control (Optional)

APPLICATION OPTIONS

- This model can be used both in **cooling only or heating**.
- It is possible to use the indoor unit in **multi** application. This system allows you to have air conditioning in several rooms. In fact, up to 9 different indoor units can be connected to 1 outdoor unit operating individually.

Capacity and power input

MULTI - COOLING ONLY	Max. n° of indoor units	Max. cooling capacities (kW)	Max. PI cooling (kW)		
4MKS58D	4	6.60	2.47		
4MKS75D	4	9.27	3.71		
4MKS90D	4	9.86	3.52		
MULTI - HEAT PUMP	Max. n° of indoor units	Max. cooling capacities (kW)	Max. PI cooling (kW)	Max. heating capacities (kW)	Max. PI heating (kW)
2MXS52D*	2	6.50	2.69	7.34	2.42
3MXS52D*	3	6.50	2.69	7.34	2.42
4MXS68D*	4	8.68	3.69	10.64	3.41
4MXS80D*	4	9.49	3.34	11.00	3.52
SUPER MULTI PLUS - HEAT PUMP	Max. n° of indoor units	Max. cooling capacities (kW)	Max. PI cooling (kW)	Max. heating capacities (kW)	Max. PI heating (kW)
RMXS112D*	7	11.20	3.57	12.50	4.01
RMXS140D*	8	14.00	5.23	16.00	5.31
RMXS160D*	9	15.50	5.55	17.50	5.56

Notes: - For more detailed information about specifications, 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.

Specifications indoor units

COOLING ONLY/HEAT PUMP				FDBQ25B7V1
Dimensions	HxWxD	mm		230x652x502
Weight		kg		17
Air flow rate	cooling	H/L	m³/min	6.5/5.2
	heating	H/L	m³/min	6.95/5.2
Fan speed				2 steps (direct drive)
Sound pressure level	cooling	H/L	dB(A)	35/28
	heating	H/L	dB(A)	35/29
Sound power level	cooling	H/L	dB(A)	55/49
	heating	H/L	dB(A)	55/49
Piping connections		liquid	mm	ø6.35
		gas	mm	ø9.52
		drain	ID mm	ø21.6
			OD mm	ø27.2
Heat insulation				Both liquid and gas pipes

Indoor unit : FDBQ-B7



FDBQ25B7V1



Specifications outdoor units

COOLING ONLY				4MKS58DVMB	4MKS75DVMB	4MKS90DVMB			
Dimensions	HxWxD	mm		735x936x300		908x900x320			
Weight		kg		55	58	66			
Casing colour				ivory white					
Sound pressure level	H	dB(A)		46	48	48			
Sound power level	H	dB(A)		59	61	61			
Compressor				hermetically sealed swing					
Refrigerant type				R-410A					
Amount of additional charge		kg/m		chargeless					
Maximum piping length	for total of each room	m		45	60	70			
	for one room	m		25					
Maximum level difference	between ind. and outd. unit	m		15					
	between indoor units	m		7.5					
Operation range	cooling	from ~ to	°CDB	-10~46					
HEAT PUMP				3MXS52DVMB	4MXS68DVMB	4MXS80DVMB	RMXS112D7V3B	RMXS140D7V3B	RMXS160D7V3B
Dimensions	HxWxD	mm		735x936x300		908x900x320	1,345x900x320		
Weight		kg		55	59	73	127		
Casing colour				ivory white			ivory white		
Sound pressure level	cooling	H	dB(A)	46	48	48	51	52	54
	heating	H	dB(A)	47	49	49	53	54	56
Sound power level	cooling	H	dB(A)	59	61	61	67	68	70
	heating	H	dB(A)	60	62	62	-	-	-
Compressor				hermetically sealed swing			Hermetically sealed scroll		
Refrigerant type				R-410A			R-410A		
Amount of additional charge		kg/m		0.02 (30m or more)	0.02(30m or more)	0.02(40m or more)	-		
Maximum piping length	for total of each room	m		45	60	70	115 (system total)	135 (system total)	145 (system total)
	for one room	m		25			55 (total outdoor unit - BP)		
Maximum level difference	between ind. and outd. unit	m		15			30		
	between indoor units	m		7.5			30 (outdoor - BP)		
	BP - BP	m		-			15		
	indoor - indoor	m		-			15		
Operation range	cooling	from ~ to	°CDB	-10~46			-5~46		
	heating	from ~ to	°CWB	-15~15.5			-15~15.5		

- Information is not available

Accessories: control systems

INDOOR UNITS	FDBQ25B7
Wired remote control	BRC1D527
Adapter for electrical heater (1)	EKRP1B2
Adapter for wiring (hour meter) (2)	KRP1B61
Remote ON/OFF, forced OFF	EKRORO

(1) Possibility to connect an electrical heater (field supply).

(2) Possibility to connect an hour meter (field supply). This part should not be installed inside the equipment.

Accessories

OUTDOOR UNITS	2MXS/3MXS/4MKS/4MXS-D	RMXS-D
Air direction adjustment grille	KPW945A4	KPW945A4
Drain plug	-	KKP945A4
Refnet joint (6-6-6,3-3-3)	-	KHRJ928A4T
Refnet joint (5-5-5)	-	KHRP26M22T

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 a certain 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 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 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.



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. Multi units are Eurovent certified for combinations up to 2 indoor units.

Specifications are subject to change without prior notice.

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