



AIR CONDITIONERS

for your home

CONCEALED CEILING UNIT

R-410A



www.daikin.eu

FDEQ-B





CONCEALED CEILING UNITS ARE BUILT INTO THE FALSE CEILING, LEAVING ONLY THE SUCTION AND DISCHARGE GRILLES VISIBLE. BECAUSE OF THIS THE GRILLES CAN BE PLACED WHEREVER YOU WANT AND BLEND WITH ANY INTERIOR DÉCOR. THE GRILLES ALLOW UNIFORM TEMPERATURE DISTRIBUTION IN LARGE OR HEAVILY PARTITIONED AREAS.

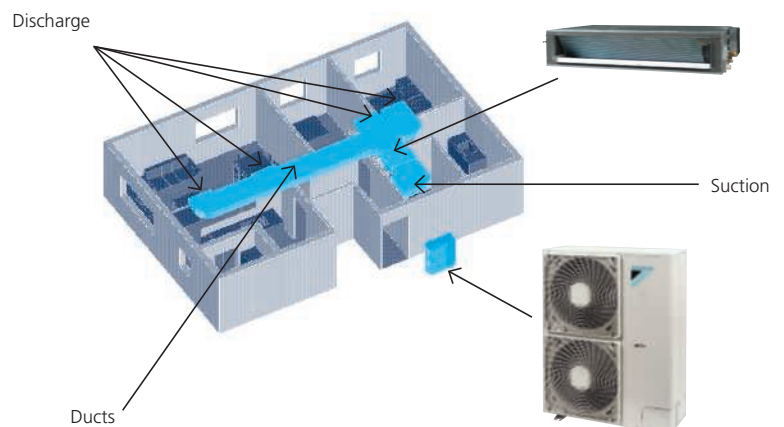
NOT ONLY ARE CONCEALED CEILING UNITS VISUALLY UNOBTRUSIVE, THEY ARE ALSO AMONG THE QUIETEST TYPES OF AIR CONDITIONING.

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.
- › Daikin's special **dry programme** reduces humidity in the room without variations in room temperature.
- › The indoor unit contains an air **filter** which removes microscopic particles and dust.

FLEXIBLE INSTALLATION AND EASY TO USE

- › Since the indoor unit has a low height it fits flush into narrow ceiling voids. The installation of the unit requires a **false ceiling** of only 279 mm.
- › The air discharge unit can be separated from the actual air conditioner for use in long, L-shaped or U-shaped rooms by means of flexible duct systems (ESP up to 88Pa). In this way even **irregularly shaped rooms** can be kept comfortable.



CAPACITY AND POWER INPUT

HEAT PUMP (air cooled)				FDEQ71B	FDEQ100B	FDEQ125B
				REQ71BV3 / W1	REQ100BV3 / W1	REQ125BW1
Cooling capacity	nominal	kW	7.1	9.8	12.2	
Heating capacity	nominal	kW	8	11.2	14.5	
Nominal input	cooling	nominal	2.79/2.68	3.98/3.94	4.67	
	heating	nominal	2.49	3.99/3.96	4.52	
EER			2.54/2.65	2.46/2.49	2.61	
COP			3.21	2.86/2.89	3.21	
Energy label	cooling		E/D	E/E	D	
	heating		C	C/D	C	
Annual energy consumption	cooling	kWh	1,395/1,340	1,990/1,970	2,335	

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)

Height	279 mm
Width	987 mm
Depth	750 mm



SPECIFICATIONS INDOOR UNITS

HEAT PUMP				FDEQ71B	FDEQ100B	FDEQ125B
Dimensions	HxWxD	mm		279x987x750		279x1,387x750
Weight		kg		38.1		48.6
Air flow rate	cooling	H/L	m ³ /min	16/12	24/17	30/20
	heating	H/L	m ³ /min	19/14	28/20	35/24
Fan speed				3 steps (direct drive)		
Sound pressure level	cooling	H/L	dB(A)	37/33	39/34	41/35
	heating	H/L	dB(A)	37/33	39/34	41/35
Sound power level	cooling	H	dB(A)	63	65	66
Piping connections	liquid		mm	ø9.52		
	gas		mm	ø15.9		
	drain		OD mm	ø32		
Heat insulation				Both liquid and gas pipes		

Height	1,170 mm
Width	900 mm
Depth	320 mm



SPECIFICATIONS OUTDOOR UNITS

HEAT PUMP				REQ71BV3 / W1	REQ100BV3 / W1	REQ125BW1
Dimensions	HxWxD	mm		770x900x320	1,170x900x320	
Weight		kg		83	102/100	108
Casing colour				Ivory white		
Sound pressure level	cooling	H	dB(A)	53	57	57
Sound power level	cooling	H	dB(A)	65	70	70
Compressor				Hermetically sealed scroll compressor		
Refrigerant type				R-410A		
Refrigerant charge		kg/m		2.5	3.6	3.6
Max. piping length		m		50 (equivalent length 70)		
Max. level difference		m		30		
Operation range	cooling	from ~ to	°CDB	+10~46		
	heating	from ~ to	°CWB	-10~15		

ACCESSORIES: CONTROL SYSTEMS

INDOOR UNITS	FDEQ71B	FDEQ100B	FDEQ125B
Wired remote control		BRC1D52	
Wiring adapter for electrical appendices		KRP4A51	
Installation box for adapters (KRP4A51, EKR1B2)		KRP1B947A	
Wiring adapter (hour meter)*		EKR1B2	
Remote ON/OFF, forced OFF		EKRORO	

* Possibility to connect an hour meter (field supply).

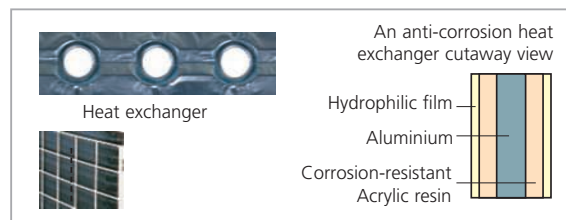
ACCESSORIES: OUTDOOR UNITS

OUTDOOR UNITS	REQ71B	REQ100B	REQ125B
Central drain plug		KKPJ5F180	

- 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 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.




- › 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 rustproof steel sheet on the underside of the unit.
- › Daikin **remote controls** give you easy control at your fingertips.
- › The **wired remote control** (optional) provides you with a schedule timer, enabling to program the air conditioning daily or weekly.
- › The optional **remote ON/OFF** enables you to start/stop the air conditioning from a mobile phone via a telephone remote control (field supply). The optional **forced OFF** enables you to switch off the unit automatically. E.g. when a window is opened, the unit switches off.



Wired remote control
(Optional)



ENERGY EFFICIENT

- ›  **Energy label:** up to class C.
- › The **'home leave'** function button should be set when the occupant leaves the room for a lengthy period of time, such as a holiday. When the function is activated, the room temperature is automatically set to a minimum of 10°C, at which point all connected indoor units will switch to heating mode. The function ceases to operate when the room temperature reaches 15°C and should also be switched off when the occupant returns home.

APPLICATION OPTIONS

- › This model can be used both in **cooling and heating (heat pump) or cooling only**.
- › It is possible to use the indoor unit in **pair** applications (connecting one indoor to one outdoor).





**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.



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.

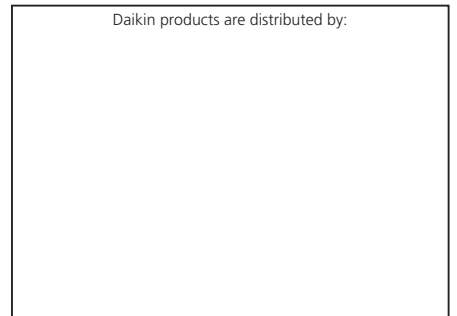


Mixed Sources

Product group from well-managed forests and other controlled sources
www.fsc.org Cert no. SGS-COC-003924
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