

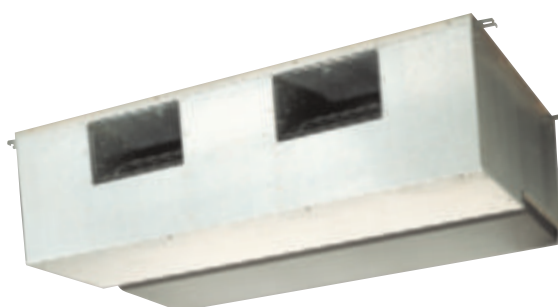
Daikin air conditioners
for shops, restaurants and offices

CONCEALED CEILING UNIT



www.daikineurope.com

FDYP-B





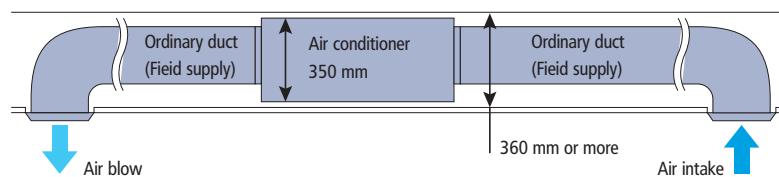
Concealed ceiling units are built into the false ceiling, leaving only the suction and discharge grilles visible. Because the compact suction and discharge grilles can be placed wherever you want, they are ideal for achieving uniform temperature distribution in large and heavily partitioned areas. Not only are concealed ceiling units visually the most unobtrusive, they are also among the quietest type of air conditioning.

COMFORT

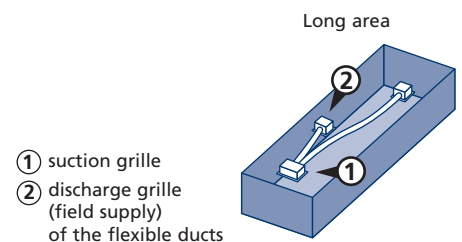
- The indoor unit is **quiet in operation**. The sound levels are as low as 44dB (A), comparable to refrigerator humming or a quiet conversation.
- You have the choice of 3 **fan speeds** to select: high, standard or low. A high fan speed provides maximum reach while a low fan speed minimizes drafts.
- The indoor unit contains an air **filter** which removes microscopic particles and dust.

FLEXIBLE INSTALLATION, EASY TO USE AND MAINTAIN

- Since the unit has a low height it fits flush into a narrow ceiling void. The installation of the unit only requires a **false ceiling** of only 360mm.



- The air discharge unit can be separated from the actual air conditioner for use in long or large areas by means of **flexible duct systems** (ESP up to 250Pa). In this way even very big areas can be kept comfortable.



- The **outdoor unit** can be installed on a roof or terrace or placed against an outside wall.

Capacity and power input

COOLING ONLY (air cooled)			INDOOR UNIT	FDYP125B7V1	FDYP200B7V1	FDYP250B7V1
			OUTDOOR UNIT	RP125L7W1•RP125B7T1	RP200B7W1	RP250B7W1
Cooling capacity		kW		12.20/12.40	20.00	25.00
Nominal input		kW		4.68/4.70	8.71	10.74
EER				2.61/2.64	-	-
Energy label				D/D	-	-
Annual energy consumption	cooling	kWh		2,340/2,350	-	-
HEAT PUMP (air cooled)			INDOOR UNIT	FDYP125B7V1	FDYP200B7V1	FDYP250B7V1
			OUTDOOR UNIT	RYP125L7W1•RYP125L7W1	RYP200B7W1	RYP250B7W1
Cooling capacity		kW		12.20	19.50	25.00
Heating capacity		kW		14.60	23.10	27.00
Nominal input	cooling	kW		4.68	8.69	10.20
	heating	kW		4.51	7.59	8.76
EER				2.61	-	-
COP				3.24	-	-
Energy label	cooling			D	-	-
	heating			C	-	-
Annual energy consumption	cooling	kWh		2,340	-	-

1) Energy label : Scale from A (most efficient) to G (less efficient).

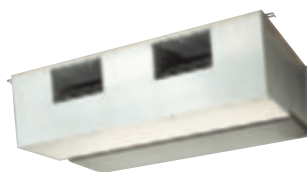
2) Annual energy consumption: based on average use of 500 running hours per year at full load (= nominal conditions).

3) The Energy Label Directive 2002/31/EC will enter into force once the relevant measurement standard will be published in the European Official Standard.

Specifications indoor units

COOLING ONLY / HEAT PUMP				FDYP125B7V1	FDYP200B7V1	FDYP250B7V1
Dimensions	HxWxD		mm	350x1,400x662	450x1,400x900	
Weight			kg	59	90	92
Air flow rate	cooling	M	m³/min	43	69	89
	heating	M	m³/min	43	69	89
Fan speed				3 steps	2 steps	
Sound pressure level	cooling		dB(A)	44	45	47
	heating		dB(A)	44	45	47
Sound power level	cooling		dB(A)	75	81	82
	heating		dB(A)	75	81	82
Piping connections	liquid		mm	Ø 9.52 (flare)	Ø 12.7 (flare)	Ø 15.9 (flare)
	gas		mm	Ø 19.1 (flare)	Ø 28.6	
	drain		ID mm	Ø 23		
			OD mm	Ø 25		
Heat insulation				both liquid and gas pipes		

Indoor units : FDYP-B



FDYP125B7



FDYP200-250B7

Specifications outdoor units

COOLING ONLY			RP125L7W1	RP125B7T1	RP200B7W1	RP250B7W1
Dimensions	HxWxD	mm	1,170x900x320	1,215x880x320	1,220x1,290x700	1,440x1x290x700
Weight		kg	104	100	194	206
Casing colour			ivory white			
Sound pressure level	H	dB(A)	53	53	56	56
Sound power level	H	dB(A)	67	67	77	77
Compressor		type	hermetically sealed scroll			
Refrigerant charge	R-407C	kg	3.7	3.9	7.5	9.2
Maximum piping length		m	70		50 (70 m equivalent)	50 (70 m equivalent)
Maximum level difference		m	30			
Standard operation range	from~to	°CDB	-15 ~ 46		-5 ~ 46	

Accessories: control systems

INDOOR UNITS	FDYP125B7	FDYP200B7	FDYP250B7
Wired remote control		BRC1D527	
Central remote control		DCS302C51	
Unified ON/OFF control		DCS301B51	
Schedule timer		DST301B51	
Wiring adapter for electrical appendices		KRP4A51	
Adapter for wiring (interlock for fresh air intake)		KRP1B54	
Interface adapter for sky air series		DTA102A52	
Option PCB for ext. elec. heater, humidifier and/or hour meter*		EKRP1B2	
Drain pump		EKDU125A1	
Remote ON/OFF, forced OFF		EKRORO	

*Electrical heater, humidifier and hour meter are field supply. These parts should not be installed inside the unit.

Accessories outdoor units

COOLING ONLY		RY(E)P125L7	RYP200B7	RYP250B7
Central drain plug		KKPJ5F180	-	-
Refrigerant branch piping	twin	KHRP79BA7	-	-
	triple	KHRP96H7	-	-
Fan motor size up		-	NFM22C5	NFM22C10
Kit for discharge duct		-	EKND26A10	
Refnet*		-	KHRQ22M20T7/KHRQ22M64T7/KHRP127HB7	
HEAT PUMP		RY(E)P125	RYP200B7	RYP250B7
Central drain plug		KKPJ5F180	-	-
Refrigerant branch piping	twin	KHRP79BA7	-	-
	triple	KHRP96H7	-	-
Fan motor size up		-	NFM22C5	
Kit for discharge duct		-	EKND26A10	
Refnet*		-	KHRQ22M20T7/KHRQ22M64T7/KHRP127HB7	

* Refnets vary according to the possible indoor unit combinations. To know the correct refnet, please refer to the Split/Sky air technical databook or check with your local dealer.

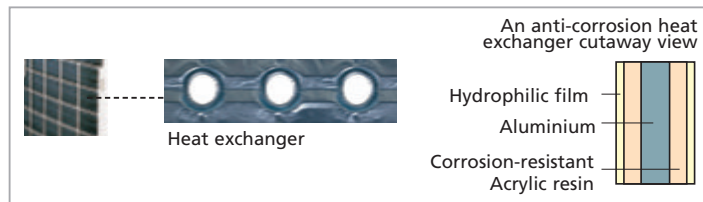
- Not applicable

Note:

- 1) V1 = 1~, 230V, 50Hz; W1 = 3N~, 400V, 50Hz; T1 = 3~, 230V, 50Hz
- 2) Nominal cooling capacities are based on: indoor temperature 27°CDB/19°CWB • outdoor temperature 35°CDB • refrigerant piping length 75m • level difference 0m.
- 3) Nominal heating capacities are based on: indoor temperature 20°CDB • outdoor temperature 7°CDB/6°CWB • refrigerant piping length 75m • 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 via a microphone at a certain distance from the unit (for measuring conditions: please refer to the technical databooks).
- 7) The sound power is an absolute value indicating the "power" which a sound source generates.



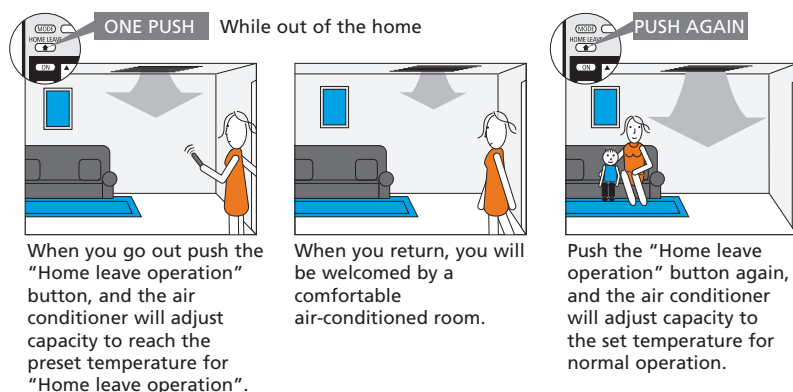
- Special **anti-corrosion treatment** of the outdoor unit's heat exchanger fin, gives greater resistance against acid rain and salt corrosion. Additional resistance is provided by a rust proof steel sheet on the underside of the unit.



- Daikin **remote controls** give you easy control at your fingertips.
- The **wired remote control** provides you with a schedule timer, enabling the air conditioning to be programmed 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.

ENERGY EFFICIENT

- Energy label: up to class C
- 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 (Standard)

APPLICATION OPTIONS

- This model can be used for **cooling only or heating**.
- It is possible to use the indoor unit in **pair** (connecting one indoor to one outdoor) or **twin** application (connecting up to 2 indoors in the same room to a single outdoor).



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.

Specifications are subject to change without prior notice.

Daikin products are distributed by:



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