



AIR CONDITIONERS, HEATING & COOLING

*for your home*

SLIM CONCEALED CEILING UNIT

air to air heat pumps



[www.daikin.eu](http://www.daikin.eu)

FDXS-E  
FDXS-C





## COMFORTABLE AIR, THE WHOLE YEAR THROUGH

A comfortable living space provides a pleasant temperature, clean air and the right level of humidity. An indoor climate that fulfils these requirements has a strongly positive effect on us: it influences the performances that we deliver and our feeling of well-being.

The quality air conditioning from Daikin allows you to adjust the temperature and air humidity to a level that makes you feel good. Without drafts or noise nuisance. The whole year through. Furthermore, high-quality Daikin systems do not only offer the possibility of cooling, they can also provide warmth. That way you can adjust the indoor temperature perfectly to your own personal needs, during every season.

### CONCEALED UNIT WITH DAIKIN FEATURES

- » **Slim design for flexible installation**
- » **Home leave operation**
- » **Powerful mode**

### CONCEALED CEILING MODELS FROM DAIKIN

This slim unit is installed within the ceiling. It's barely noticeable, only the suction and discharge grilles are visible.

Therefore this system blends unobtrusively within any interior décor, leaving maximum floor and wall space for furniture, decoration and fittings.

### OPTIMAL COMFORT, DAY AND NIGHT

#### > **Vertical auto swing**

The vertical auto swing system automatically makes the outflow louvers move up and down, thereby ensuring the even distribution of air and a homogeneous temperature in the room.

#### » **Powerful operation**

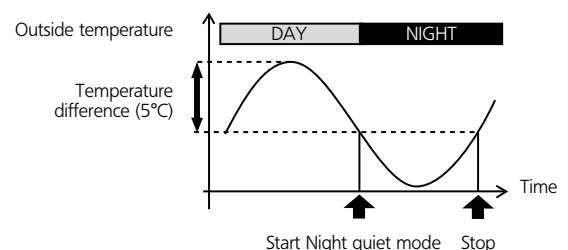
The 'powerful operation' activates the maximum air volume for 20 minutes, for example when you come home on a hot day and want to cool down the room quickly. After this, the air conditioner automatically returns to its original setting.

#### > **Night set mode**

If the timer is switched on, the air conditioner will automatically set the temperature - an increase of 0.5°C when cooling and a decrease of 2°C when heating - to prevent the room from rapidly cooling or heating so that you sleep more comfortably.

#### > **Silent function and night quiet mode**

With a sound level ranging from 29 dB(A), the indoor unit is exceptionally quiet. The outdoor unit's silent function allows you to reduce sound emissions by 3 dB(A). In night quiet mode, the sound level of the multi-split outdoor unit is automatically reduced by 3 dB(A).



# YOUR AIR CONDITIONING DISCRETELY CONCEALED IN THE CEILING

- » **Compact**
- » **Discreetly concealed in the ceiling**
- » **Floor and wall space kept free**

for furnishings and decoration



A CONSTANT TEMPERATURE

AND HUMIDITY LEVEL

WILL WORK WONDERS

FOR YOUR LIVING COMFORT.

## FILTER

- > This slim concealed ceiling unit is equipped as standard with a suction filter, which removes airborne dust particles to ensure a steady supply of clean air.

## FLEXIBLE INSTALLATION, EASY CONTROL

- > The indoor unit is easy to control with the infrared remote control. It is delivered as standard with a specially developed holder. Should there be a malfunction in the air conditioner, you can read the error code on the screen of the remote control and easily find the appropriate solution.

### > **One room or multiple rooms**

Depending on the type of climate you want, you can choose between heating and cooling (heat pump). The indoor unit can be used for a pair application – one indoor unit connected to one outdoor unit - or a multi application – a maximum of nine indoor units in different rooms connected to one outdoor unit.



Infrared remote control (Standard)  
ARC 433 A8

# MINIMAL ENERGY CONSUMPTION

> **A** Energy label: up to class A

## > Inverter technology

The inverter technology, developed by Daikin is a true innovation in the area of climate control. The principle is simple: inverters adjust the power used to suit the actual requirement. No more, no less. This technology provides you with two concrete benefits:

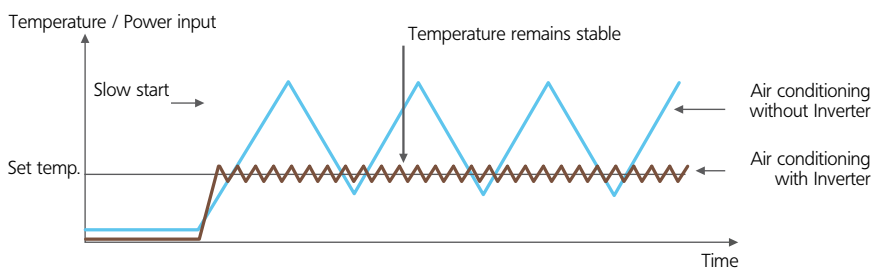
### 1. Comfort:

The inverter repays its investment many times over by improving comfort. An air conditioning system with an inverter continuously adjusts its cooling and heating output to suit the temperature in the room. The inverter shortens system start-up time enabling the required room temperature to be reached more quickly. As soon as that temperature is reached, the inverter ensures that it is constantly maintained.

### 2. Energy efficient:

Because an inverter monitors and adjusts ambient temperature whenever needed, energy consumption drops by 30% compared to a traditional on/off system!

#### Heating operation:



#### » Home leave operation

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 are out or sleeping. It also allows the indoor temperature to return quickly to your favourite comfort level.

1. When you go out push the "Home leave operation" button, and the air conditioner will adjust capacity to reach the preset temperature for "Home leave operation".
2. When you return, you will be welcomed by a comfortable air conditioned room.
3. Push the "Home leave operation" button again, and the air conditioner will adjust capacity to the set temperature for normal operation.





DID YOU KNOW *that* ...

an air conditioning system contributes to the good hygiene of the space for which it regulates the temperature? Through the system's operation, condensation is limited and the air is dehumidified when this becomes necessary.



3/4 kW  
ambient temperature

+



1/4 kW  
electricity



4/4 kW  
energy



## DID YOU KNOW *that* ...



Air to air heat pumps use 3/4th of energy from renewable sources: the ambient air. This energy source is renewable and inexhaustible\*. Of course, heat pumps also use 1/4th of electricity to transform the ambient air into comfort heat, but increasingly this electricity can also be generated from renewable energy sources (solar energy, wind energy, hydropower, biomass).

\* EU objective COM (2008)/30

## CAPACITY AND POWER INPUT

HEATING & COOLING			FDXS25E	FDXS35E	FDXS50C	FDXS60C
			RXS25G	RXS35G	RXS50G	RXS60F
Cooling capacity	min~nom~max	kW	1.3~2.4~3.0	1.4~3.4~3.8	1.7~5.0~5.3	1.7~6.0~6.5
Heating capacity	min~nom~max	kW	1.3~3.2~4.5	1.4~4.0~5.0	1.7~5.8~6.0	1.7~7.0~8.0
Nominal input	cooling	min~nom~max	0.69	1.09	1.65	0.44~2.13~2.49
	heating	min~nom~max	0.91	1.18	1.92	0.40~2.32~3.18
EER			3.48	3.12	3.03	2.82
COP			3.52	3.39	3.02	3.02
Energy label	cooling		A	B	B	C
	heating		B	C	D	B
Annual energy consumption	cooling	kWh	345	545	825	1065

Note:

- 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).

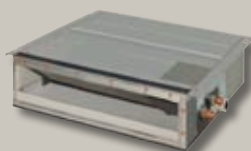
POSSIBLE COMBINATIONS		2MXS40G* (1)	2MXS50G* (2)	3MXS52E* (3)	3MXS68G* (2)	4MXS68F* (4)	4MXS80E* (5)	5MXS90E* (5)	RMXS112EV**	RMXS140EV**	RMXS160EV**
Max n° of indoor units		2	2	3	3	4	4	5	6	8	9
Heating & cooling	FDXS25E	.	.	.	.	.	.	.	.	.	.
	FDXS35E	.	.	.	.	.	.	.	.	.	.
	FDXS50C	.	.	.	.	.	.	.	.	.	.
	FDXS60C	.	.	.	.	.	.	.	.	.	.
Max. cooling capacity	kW	4.50	5.40	7.30	8.42	8.73	9.60	10.50	11.2	14.0	15.5
Max. heating capacity	kW	4.70	6.30	8.30	10.63	10.68	11.00	11.50	12.5	16.0	17.5
Max. PI cooling	kW	1.35	1.73	2.25	3.33	2.95	3.56	4.01	3.50	5.09	5.40
Max. PI heating	kW	1.18	1.68	2.51	3.30	2.58	3.11	3.46	3.93	5.21	5.43

Note:

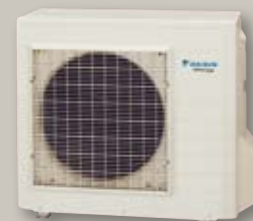
- 1 For more detailed information, please consult our multi model/combination tables catalogue or your local dealer.
- 2 (1) The indicated cooling, heating capacities and power input are indicative and are those connected to wall mounted D,E (20,25,35 class) series.
- (2) The indicated cooling, heating capacities and power input are indicative and are those connected to wall mounted G (20,25,35,42,50 class)/F (60 class) series.
- (3) The indicated cooling, heating capacities and power input are indicative and are those connected to wall mounted D (20,25,35 class)/E (50 class) series.
- (4) The indicated cooling, heating capacities and power input are indicative and are those connected to wall mounted D (20,25,35,50 class)/F (60,71 class) series.
- (5) The indicated cooling, heating capacities and power input are indicative and are those connected to wall mounted D (20,25,35,50 class)/E (60,71 class) series.
- 3 N/A means not applicable since this unit is a cooling only unit.
- 4 \* At least two indoor units should be connected to these multi outdoor units.

Height	200 mm
Width	700 mm
Depth	620 mm

Height	735 mm
Width	825 mm
Depth	300 mm



Indoor unit  
FDXS-E



Outdoor unit  
RXS-G

## SPECIFICATIONS INDOOR UNITS

HEATING & COOLING				FDXS25E	FDXS35E	FDXS50C	FDXS60C
Dimensions	HxWxD	mm	200x700x620		200x900x620		200x1,100x620
Weight		kg	21		27		30
Air flow rate	cooling	H/L/SL	m <sup>3</sup> /min	8.7~7.3~6.2	8.7~7.3~6.2	12.0~10.0~8.4	16.0~13.5~11.2
	heating	H/L/SL	m <sup>3</sup> /min	8.7~7.3~6.2	8.7~7.3~6.2	12.0~10.0~8.4	16.0~13.5~11.2
Fan speed			steps	5 steps, silent and auto			
Sound pressure level	cooling	H/L/SL	dB(A)	35/31/29	35/31/29	37/33/31	38/34/32
	heating	H/L/SL	dB(A)	35/31/29	35/31/29	37/33/31	38/34/32
Sound power level	cooling	H	dB(A)	53	53	55	56
Piping connections	liquid		mm	ø6.4			
	gas		mm	ø9.5		ø12.7	
	drain	I.D.	mm	ø20.0			
E.D.		mm	ø26.0				
Heat insulation				Both liquid and gas pipes			

## SPECIFICATIONS OUTDOOR UNITS

HEATING & COOLING				RXS25G	RXS35G	RXS50G	RXS60F
Dimensions	HxWxD	mm	550x765x285		735x825x300		735x825x300
Weight		kg	34	34	48	48	
Casing colour			Ivory white				
Sound pressure level	cooling		dB(A)	46/43	48/44	48/44	49/46
	heating		dB(A)	47/44	48/45	48/45	49/46
Sound power level	cooling		dB(A)	61	63	62	63
Compressor		type	Hermetically sealed swing				
Refrigerant type			R-410A				
Additional refrigerant charge		kg/m	0.02 (for piping length exceeding 10m)				
Maximum piping length		m	20	20	30	30	
Maximum height difference		m	15	15	20	20	
Operation range	cooling	from ~ to	°CDB	-10~46		-10~46	
	heating	from ~ to	°CWB	-15~20		-15~18	

## ACCESSORIES: CONTROL SYSTEMS

INDOOR UNITS		FDXS25E	FDXS35E	FDXS50C	FDXS60C
Wiring adapter for time clock/remote control (1)	normal open contact		KRP413A1S		KRP413A1S
	normal open pulse contact		KRP413A1S		KRP413A1S
Centralised control board	up to 5 rooms (2)		KRC72		KRC72
Central remote control			DCS302C51		DCS302C51
Unified ON/OFF control			DCS301B51		DCS301B51
Schedule timer			DST301B51		DST301B51
Interface adapter (3)			KRP928A2S		KRP928A2S

(1) Wiring adapter is supplied by Daikin. Timer and other devices: field supply.

(2) Wiring adapter is also required for each indoor unit.

(3) For DIII-NET adapter.

## ACCESSORIES: INDOOR UNITS

INDOOR UNITS	FDXS25E	FDXS35E	FDXS50C	FDXS60C
Anti-theft protection for remote control		KKF917AA4		KKF917AA4
Suction grille		KDGF19A4S		KDGF19A4S

## ACCESSORIES: OUTDOOR UNITS

OUTDOOR UNITS	RXS25G	RXS35G	RXS50G	RXS60F
Air direction adjustment grille		KPW937AA4	KPW945AA	KPW45AA4
Drain plug		KPW937AA4		KKP937A4



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

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### DAIKIN EUROPE N.V.

Naamloze Vennootschap  
Zandvoordestraat 300  
B-8400 Oostende, Belgium  
www.daikin.eu  
BTW: BE 0412 120 336  
RPR Oostende

FSC