

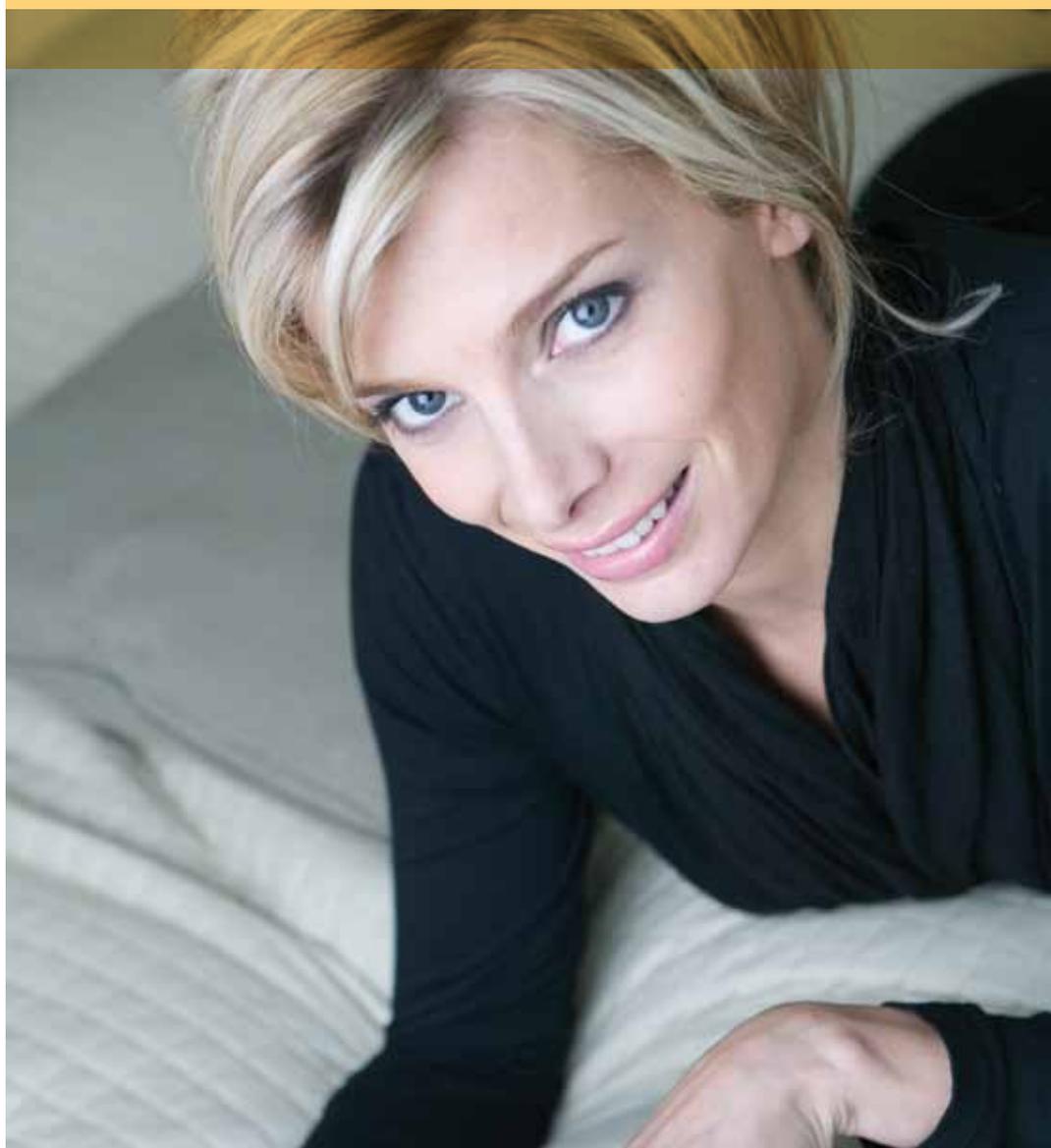


Air Conditioners

# Heating & Cooling

Slim Concealed Ceiling Unit

- » Heat pump system
- » Inverter technology
- » Discretely concealed in the ceiling
- » Low energy consumption during absence and night time
- » As silent as rustling leaves



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



FDXS-E/C





## Highest comfort solution, the whole year through

The quality heat pump from Daikin allows you to adjust the temperature and air humidity to a level that makes you feel good. These slim units are discretely concealed in the ceiling. 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.

The indoor unit can be used in pair application, combining one indoor unit to one outdoor unit, or multi application, combining up to nine indoor units to one outdoor unit.

## Combining highest efficiency and year-round comfort with a heat pump system



### Did you know that ...

Air conditioners, also known as heat pumps, obtain 75% of their output energy from renewable sources: the ambient air, which is both renewable and inexhaustible\*. Of course, heat pumps also require electricity to run the system, but increasingly this electricity can also be generated from renewable energy sources (solar energy, wind energy, hydropower, biomass). A heat pump's efficiency is measured in COP (Coefficient of Performance) for heating and EER (Energy Efficiency Ratio) for cooling. Our heat pumps achieve COPs of up to 5.14 (for FTXR28E)!

\* EU objective COM (2008)/30

## Inverter technology

Daikin's inverter technology is a true innovation in the field 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:

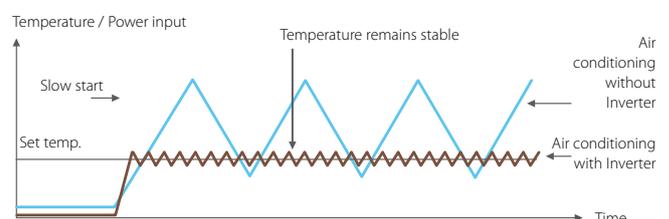
### ► Comfort

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 thus improving comfort levels. The inverter reduces system start-up time enabling the required room temperature to be reached more quickly. As soon as the correct temperature is reached, the inverter ensures that it is constantly maintained.

### ► Energy efficient

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

### Heating operation:

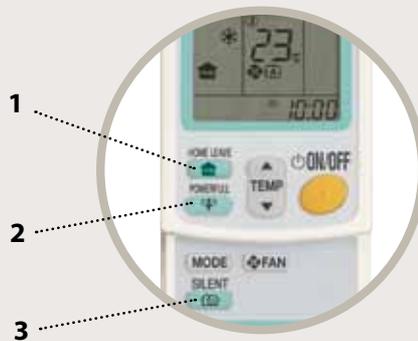




## Your air conditioning discretely concealed in the ceiling

This slim unit is installed within the ceiling. It's barely noticeable as only the suction and discharge grilles are visible. Therefore this system blends unobtrusively within any interior décor, leaving maximum floor and wall space.

### ► Combining a comfortable feeling, day and night, and energy saving solutions



Infrared remote control (Standard)  
ARC433A8



When pushing the **Home Leave button (1)** on the infrared remote control, the indoor temperature drops to a preset level when you're out or sleeping. If you return, automatically the indoor temperature returns quickly to its original set temperature.



When **powerful operation (2)** is enabled, you can rapidly heat up or cool down the room during 20 minutes. After this the unit returns to its original setting.



**Night set mode:** ensuring a good night sleep and saving energy, by preventing overheating or overcooling during night time.



By pushing the **night quiet mode (multi application only) (3)** and enabling the silent operation, both the indoor (silent operation) and outdoor unit (night quiet mode) will lower their sound emissions by 3dBA.



**Whisper quiet operation:** the sound of the indoor units is that low (down to 29dBA) that it can be compared to rustling leaves.

# Heating & Cooling

Indoor unit				FDXS25E	FDXS35E	FDXS50C	FDXS60C
Cooling capacity	Min./Nom./Max.		kW	-/2.40 (3)/-	-/3.40 (3)/-	-/5.00 (3)/-	1.7/6.0 (3)/6.5
Heating capacity	Min./Nom./Max.		kW	-/3.20 (4)/-	-/4.00 (4)/-	-/5.80 (4)/-	1.7/7.0 (4)/8.0
Power input	Cooling	Min./Nom./Max.	kW	-/0.69/-	-/1.09/-	-/1.65/-	0.44/2.13/2.49
	Heating	Min./Nom./Max.	kW	-/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
Annual energy consumption				345	545	825	1,065
Energy label	Cooling/Heating			A/B	B/C	B/D	C/D
Dimensions	Unit	HeightxWidthxDepth	mm	200x700x620		200x900x620	200x1,100x620
Weight	Unit		kg	21.0		27.0	30.0
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m <sup>3</sup> /min	8.7/8.0/7.3/6.2		12.0/11.0/10.0/8.4	16.0/14.8/13.5/11.2
	Heating	High/Nom./Low/Silent operation	m <sup>3</sup> /min	8.7/8.0/7.3/6.2		12.0/11.0/10.0/8.4	16.0/14.8/13.5/11.2
Fan - External static pressure	Nom.		Pa	30		40	
Sound power level	Cooling	High	dBA	53.0		55.0	56.0
	Heating	High	dBA	53.0		55.0	56.0
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	35.0/33.0/31.0/29.0		37.0/35.0/33.0/31.0	38.0/36.0/34.0/32.0
	Heating	High/Nom./Low/Silent operation	dBA	35.0/33.0/31.0/29.0		37.0/35.0/33.0/31.0	38.0/36.0/34.0/32.0
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	9.52		12.7	
	Drain	OD	mm	-			
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220-230			

(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) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 7.5m (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m

Outdoor unit				RXS25J	RXS35J	RXS50J	RXS60F
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285		735x825x300	
Weight	Unit		kg	34		48	
Fan	Air flow rate	Cooling	High	m <sup>3</sup> /min	33.5	36.0	50.9
			Low	m <sup>3</sup> /min		-	42.4
			Super low	m <sup>3</sup> /min	30.1		48.9
		Heating	High	m <sup>3</sup> /min	28.3		45.0
			Low	m <sup>3</sup> /min		-	42.4
			Super low	m <sup>3</sup> /min	25.6		43.1
Sound power level	Cooling	Nom./High	dBA	-/61		-/63	
Sound pressure level	Cooling	High/Silent operation	dBA	46/43		48/44	
	Heating	High/Silent operation	dBA	47/44		48/45	
Compressor	Type			Hermetically sealed swing compressor			
Operation range	Cooling	Ambient	Min.~Max.	°CDB -10~46			
	Heating	Ambient	Min.~Max.	°CWB -15~18			
Refrigerant	Type			R-410A			
	Additional refrigerant charge		kg/m	0.02 (for piping length exceeding 10m)			
	Level difference IU - OU	Max.	m	15		20	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240			



Indoor unit  
FDXS25,35E



Infrared remote control  
ARC433A8



Outdoor unit  
RXS50G



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. participates in the Eurovent Certification programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FCU); 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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ECPEN11-010

