



Air Conditioners

# Heating & Cooling

Slim Concealed Ceiling Unit

- » **Compact size**
- » **Discretely concealed in ceiling**
- » **Improved efficiency**
- » **3 Fan speeds**
- » **As silent as rustling leaves**
- » **Heat pump system selection**



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



FDXS-F



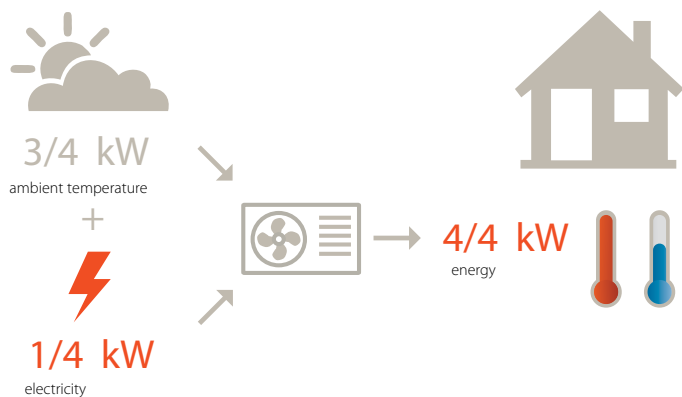


## Highest comfort solution, the whole year through

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.

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



### Did you know that ...

Air-to-air heat pumps obtain 75% of their output energy from a renewable source: 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 SCOP (Seasonal Coefficient Of Performance) for heating and SEER (Seasonal Energy Efficiency Ratio) for cooling.

## 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:

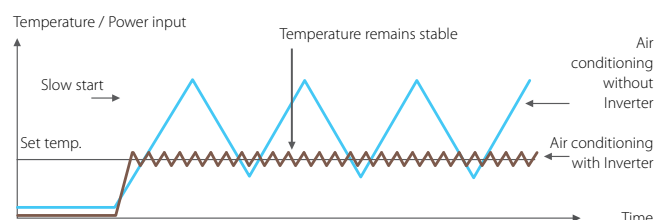
### ► Comfort

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:





► **Combining a comfortable feeling and energy saving solutions**



**Fan only:** the air conditioner can be used as fan, blowing air without cooling or heating.



**Dry programme :** with the special dry programme, the humidity level in the room is reduced without temperature fluctuations.

► **Built-in intelligence**

The infrared remote control is user-friendly and equipped with an on/off timer.



**24 Hour timer :** Timer can be set to start cooling/heating anytime during a 24-hour period.

► **A source of pure air**



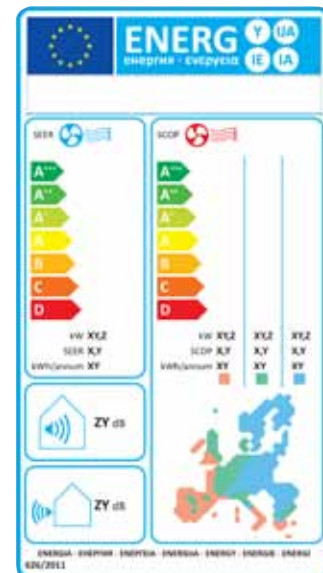
**Air filter :** Removes airborne dust particles to ensure a steady supply of clean air.

## Europe's new energy label: raising the bar on energy efficiency.

To realise its challenging 20-20-20 environmental goals, Europe is imposing minimum efficiency requirements for energy related projects. These minimum requirements come into effect on 1 January 2013, and will be revised upward in subsequent years.

Not only does the Eco-Design Directive systematically raise the minimum requirements with respect to environmental performance, the method used to measure this performance has also been changed to better reflect real-life conditions. The new seasonal performance rating provides a much more accurate picture of actual expected energy efficiency over an entire heating or cooling season.

Completing the picture is a new energy label for EU. The present label, introduced in 1992 and modified in the meantime, allows consumers to compare and make purchasing decisions based on uniform labelling criteria. The new label includes multiple classifications from A+++ to G reflected in colour shadings ranging from dark green (most energy efficient) to red (least efficient). Information on the new label includes not only the new seasonal efficiency ratings for heating (SCOP) and cooling (SEER), but also annual energy consumption and sound levels. It will allow end-users to make even better informed choices, since seasonal efficiency reflects air conditioner or heat pump efficiency over an entire season.



# Heating & Cooling



INDOOR UNIT				FDXS25F	FDXS35F	FDXS50F	FDXS60F	
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	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B	B	A	A	
		Pdesign		kW	2.4	3.4	5.0	6.0
		SEER			5.08	4.82	5.12	5.50
		Annual energy consumption		kWh	165	247	342	382
	Heating (Average climate)	Energy label		A+	A	A	A	
		Pdesign		kW	2.6	2.9	3.5	4.0
SCOP			4.19	3.81	3.41	3.51		
Annual energy consumption		kWh	869	1,066	1,438	1,596		
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.72	3.21	3.03	2.91	
	COP			3.90	3.39	3.10	3.21	
	Annual energy consumption		kWh	322.5	530	825	1,030	
	Energy label		Cooling/Heating	A/A	A/A	A/A	A/A	
Casing	Colour			Unpainted	Unpainted	Unpainted	Unpainted	
Dimensions	Unit	HeightxWidthxDepth	mm	200x750x620	200x750x620	200x950x620	200x1,150x620	
Weight	Unit		kg	21	21	27	30	
Sound power level	Cooling	High	dB(A)	53	53	55	56	
	Heating	High	dB(A)	53	53	55	56	
Sound pressure level	Cooling	High/Medium/Low	dB(A)	35/33/27	35/33/27	37/35/29	38/36/30	
	Heating	High/Medium/Low	dB(A)	35/33/27	35/33/27	37/35/29	38/36/30	
Piping connections	Liquid	OD	mm	6.35	6.35	6.35	6.35	
	Gas	OD	mm	9.5	9.5	12.7	12.7	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 230	1~ / 50 / 230	1~ / 50 / 220-240	1~ / 50 / 220-240	

OUTDOOR UNIT				RXS25K	RXS35K	RXS50K	RXS60F
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285	550x765x285	735x825x300	735x825x300
Weight	Unit		kg	34	34	47	48
Fan - Air flow rate	Cooling	High/Low	m³/min	33.5/30.1	36/30	50.9/48.9	50.9/42.4
	Heating	High/Low	m³/min	28.3/25.6	28.3/25.6	45/43.1	46.3/42.4
Sound power level	Cooling	Nom./High	dB(A)	-/61	-/63	-/63	63/-
Sound pressure level	Cooling	High/Low/Silent operation	dB(A)	46/-/43	48/-/44	48/-/44	49/46/-
	Heating	High/Low/Silent operation	dB(A)	47/-/44	48/-/45	48/-/45	49/46/-
Operation range	Cooling	Ambient	Min.-Max. °CDB	-10~46	-10~46	-10~46	-10~46
	Heating	Ambient	Min.-Max. °CWB	-15~18	-15~18	-15~18	-15~20
Refrigerant	Type/GWP			R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max. m	20	20	30	30
	Level difference	IU - OU	Max. m	15	15	20	20
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)		A	10	10	20	20

(1) EER/COP according to Eurovent 2012



FDXS-F



RXS25-35K



BRC1E52A



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). Check ongoing validity of certificate online: [www.eurovent-certification.com](http://www.eurovent-certification.com) or using: [www.certiflash.com](http://www.certiflash.com)

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