



Air Conditioners

# Heating & Cooling

Floor Standing Unit

FULL RANGE  
A CLASS  
ENERGY LABEL

- » Comfortable heating system
- » Inverter technology
- » Same comfort feeling throughout the room
- » Flexible installation
- » As silent as rustling leaves



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



FVXS-F

**INVERTER**



## The ideal temperature and air quality for each season

The Daikin floor standing unit for home use has a contemporary design, extremely quiet in operation, energy-efficient and creates a very comfortable climate in the living room, kitchen or bedroom - day and night, the whole year round.

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.

\* EU objective COM (2008)/30

## Seasonal efficiency: even more energy efficient!

Europe has set challenging environmental targets for 2020. In line with these goals, more accurate measurement of the real-life energy efficiency of systems will be required from 2013. This 'Eco-Design' directive defines the concept of 'Seasonal Efficiency' which measures the performance across an entire heating and cooling season rather than selecting a fixed point (EER). From 2013, the SEER of a system must be published. Daikin is leading the way towards more energy efficient climate solutions and is actively contributing to the development of the Eco-Design methodology by sharing experience and technical knowledge. Daikin is the first manufacturer to publish the SEERs for domestic and commercial installations and first to integrate the Eco-Design principles in the light commercial segment by launching the Sky Air® ranges optimised for seasonal efficiency. Contact your local dealer for more information of seasonal efficiency.

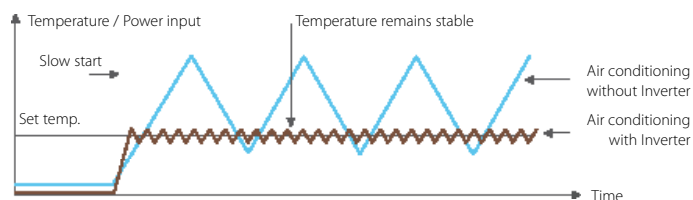
## Inverter technology

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:



2013

ERP Directive  
(Eco-Design)

Today



# Comfort for every home and every room, day and night

## ► Ultra-efficient home heating comfort



**Online controller:** (option KKR01A) Control your indoor unit from any location via app or internet.



When selecting the energy saving function **ECONO mode** the power consumption decreases so that other appliances that need large power consumption can be used.



**Night set mode:** saves energy, by preventing overheating or overcooling during night time.



## ► Flexible to install, easy to use

Can be installed hanging low on the wall and standing on the floor or can be built in partly without any loss in capacity.



## ► Unique comfort functions for an ideal indoor climate

- > **Whisper quiet operation:** the sound of the indoor units is that low (down to 23dBA) that it can be compared to rustling leaves.
- > In **night quiet mode**, the sound level of the multi model outdoor unit is automatically reduced by 3dBA (only for cooling only mode).
- > The **vertical auto swing** system provides consistent air and temperature distribution in the room. During heating operation, your feet stay warm and the temperature throughout the room is even.



Heating operation

- > Dust, odours are trapped by the **titanium apatite photocatalytic air purification filter** but also bacteria and viruses are decomposed in order to provide you a cleaner air.
- > The **infrared remote control** is user-friendly and equipped with a weekly timer. With this timer, you can programme a 7-day schedule with 4 different actions per day. Furthermore, the convenient copy function allows you to copy very quickly any day's programme to one or more other days.



Infrared remote control (Standard) ARC452A1

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

# Heating & Cooling

INDOOR UNIT				FVXS25F	FVXS35F	FVXS50F
Cooling capacity	Min./Nom./Max.		kW	1.3/2.5 <sup>3</sup> /3.0	1.4/3.44 <sup>3</sup> /3.8	1.4/5.0 <sup>3</sup> /5.6
Heating capacity	Min./Nom./Max.		kW	1.3/3.4 <sup>4</sup> /4.5	1.4/4.42 <sup>4</sup> /5.0	1.4/5.8 <sup>4</sup> /8.1
Power input	Cooling	Min./Nom./Max.	kW	0.300/0.570/0.920	0.300/1.025/1.250	0.500/1.550/2.000
	Heating	Min./Nom./Max.	kW	0.290/0.790/1.390	0.310/1.215/1.880	0.500/1.600/2.600
EER				4.39	3.36	3.23
COP				4.30	3.64	3.63
SEER				4.47	4.18	4.24
Annual energy consumption			kWh	285	512.5	775
Energy label	Cooling/Heating			A/A		
Casing	Colour			White		
Dimensions	Unit	HeightxWidthxDepth	mm	600x700x210		
Weight	Unit		kg	14		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m <sup>3</sup> /min	8.2/6.5/4.8/4.1	8.5/6.7/4.9/4.5	10.7/9.2/7.8/6.6
	Heating	High/Nom./Low/Silent operation	m <sup>3</sup> /min	8.8/6.9/5.0/4.4	9.4/7.3/5.2/4.7	11.8/10.1/8.5/7.1
Sound power level	Cooling	High	dBA	54	55	56
	Heating	High	dBA	54	55	57
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	38/32/26/23	39/33/27/24	44/40/36/32
	Heating	High/Nom./Low/Silent operation	dBA	38/32/26/23	39/33/27/24	45/40/36/32
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5		
	Drain	OD	mm	20.0		
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240		

OUTDOOR UNIT				RXS25K	RXS35J	RXS50J
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285		735x825x300
Weight	Unit		kg	34		48
Sound power level	Cooling	High	dBA	61		63
	Heating	High	dBA			
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		
	Heating	Ambient	Min.~Max.	°CWB		
Refrigerant	Type			R-410A		
	Level difference	IU - OU	Max.	m		20
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240		

(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, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m (4) Heating: indoor temp. 20°CDB, outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m



Indoor unit  
FVXS25,35,50F



Infrared remote control  
ARC452A1



Outdoor unit  
RXS50J



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), Fan coil units (FCU) and Air handling units (AHU). 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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