



FULL RANGE
A CLASS
ENERGY LABEL

AIR CONDITIONERS, HEATING & COOLING

for your home

FLOOR STANDING UNIT

air to air heat pumps



www.daikin.eu

FVXS-F





Today, more and more people are making a very conscious choice to enjoy the comfort of air conditioning in their home. It is widely recognised that balanced air conditioning has a tangible effect on the performance of both the body and the mind.

In an indoor climate with a pleasant temperature and air humidity level, you feel fit and active during the day and at night you can enjoy an ideal night's rest. Besides that, it quickly becomes snugly warm in spring and autumn because Daikin heat pump air conditioners - which both heat and cool - start producing heat from the moment they are switched on. This means that your heating system can stay switched off and that you benefit from lower fuel costs.

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

THE IDEAL TEMPERATURE AND AIR QUALITY FOR EACH SEASON

- » **Full range A class energy label**
- » **Weekly timer**
- » **Econo mode**

FLEXIBLE TO INSTALL, EASY TO USE

> Indoor unit

The floor standing unit has a new and easy to clean front panel with side inlets instead of the traditional front grille, which results in an exceptionally slim look. The floor standing unit can be installed both low against the wall and on the floor, and it is always easily adjustable to suit on-site installation requirements. If the floor standing unit is installed on the floor, it can be built in either completely or partly without any loss in capacity.

> Outdoor units

The outdoor unit is installed on the roof, terrace or against an outside wall. Thanks to a special anti-corrosion treatment of the fan and heat exchanger, the outdoor unit is resistant to acid rain and salt corrosion. A sheet of stainless steel underneath the unit provides additional protection.



EXTRAORDINARILY ENERGY-EFFICIENT

» **A** Energy label: class A

By applying special techniques, the floor standing unit achieves an energy performance coefficient of 3 to 5. In practice, this means that the system supplies as much as 3 to 5 kilowatts in cooling or heating capacity for every 1 kilowatt of electricity. All units have an A label according to the European energy classification, which means a reduction in CO₂ emissions.

» Econo mode

The Econo mode reduces power consumption and prevents overloading when other household appliances are in use. In the Econo-mode, maximum operating current and energy consumption are reduced by about 30% during start-up. This mode can be very easily activated with the remote control.

> 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:

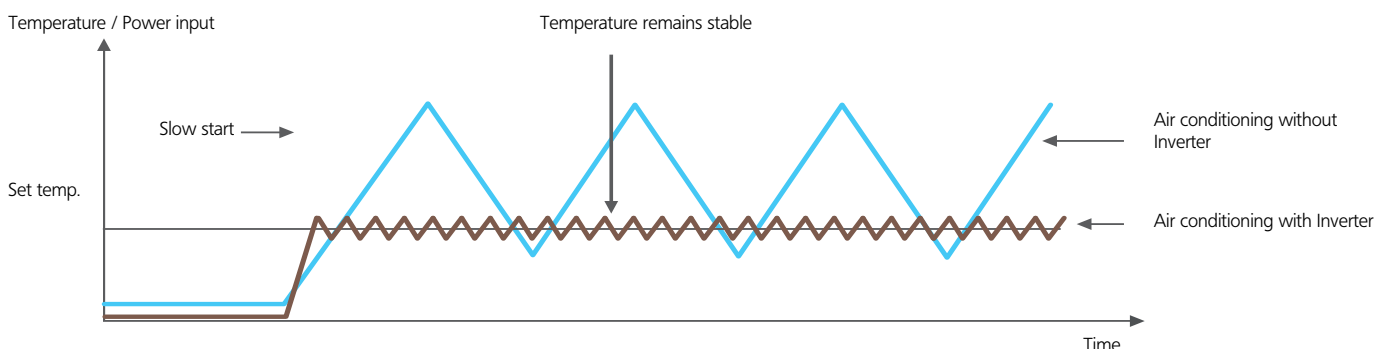
1. Comfort

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

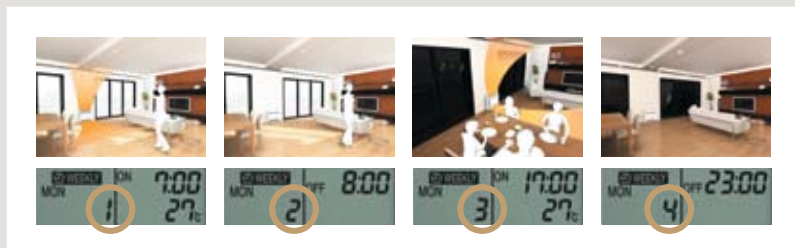
Because an inverter monitors and adjusts ambient temperature whenever needed, energy consumption drops by 30% compared to a traditional on / off system!

Heating operation:



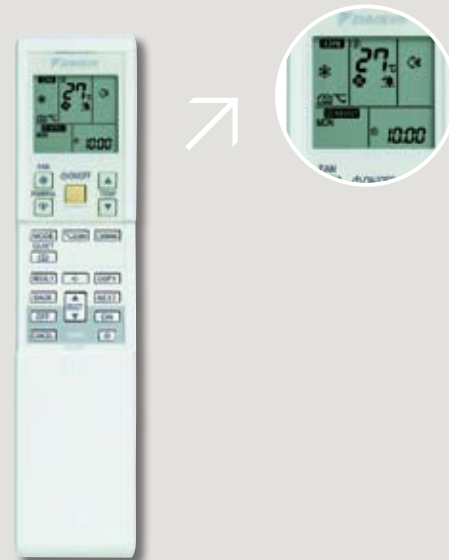
UNIQUE COMFORT FUNCTIONS FOR THE INDOOR CLIMATE

The floor standing unit provides clear and comfortable air flow in an extremely quiet manner: only 28 dB(A), which corresponds to leaves rustling in trees. For even greater comfort, you can choose from among various settings which you simply select with the remote control.



» Remote control with weekly timer

The new infrared remote control has a very stylish design, 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 very quickly copy any day's programme to one or more other days. Should there be a malfunction in the air conditioner, you can read the code on the LCD screen of the remote control and easily find the appropriate solution.



Infrared remote control (Standard)
ARC452A1

> Night set mode

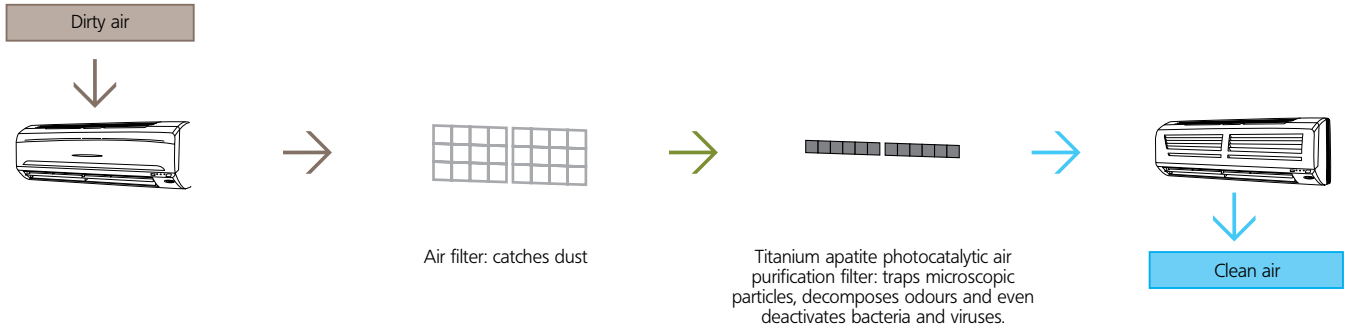
If the timer is switched on, the air conditioner will automatically set the temperature - an increase of 0.5°C when cooling and a decrease of 2°C when heating - to prevent the room from rapidly cooling or heating so that you sleep more comfortably.

> 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.

> Silent operation and night quiet mode

You can increase your comfort by using the silent operation to lower the noise emissions of the outdoor unit by 3 dB(A). On top of this, the multi-split outdoor unit is also equipped with a night quiet mode. This intelligent control automatically reduces the noise level of the outdoor unit by 3 dB(A).



THE PUREST AIR COMES FROM DAIKIN

- > The floor standing unit guarantees air flow which is not only comfortable, but also clean. The indoor unit is equipped with a **titanium apatite photocatalytic air purification filter**. The filter traps microscopic dust particles in the air while the titanium apatite absorbs organic contaminants such as bacteria and viruses. What's more, the titanium oxide is activated by natural light, causing it to break down and eliminate odours. The filter lasts three years if you rinse it every six months.



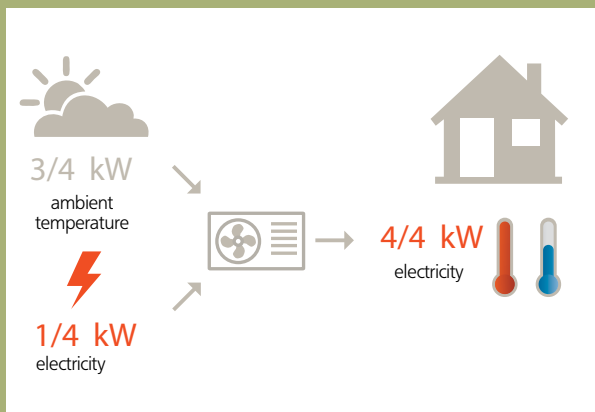
> **Auto swing**

The **vertical auto swing system** automatically makes the streamlined outflow louvers move up and down and provides consistent air and temperature distribution in the room. Thanks to the **wide angle of the louvers** - which can be set manually - the air flow covers a large area.



APPLICATION OPTIONS

- > The floor standing unit can be used **for heating and cooling (heat pump)**.
- > The floor standing unit is suited for **pair application** - where one indoor unit is connected to one outdoor unit - and **multi application** - where a maximum of nine indoor units in different rooms are connected to one outdoor unit.



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



Height	600 mm
Width	700 mm
Depth	210 mm



Indoor unit
FVXS-F

Height	735 mm
Width	825 mm
Depth	300 mm



Outdoor unit
RXS50G

CAPACITY AND POWER INPUT

HEATING AND COOLING			FVXS25F	FVXS35F	FVXS50F
			RXS25G	RXS35G	RXS50G
Cooling capacity	min~nom~max	kW	1.3~2.5~3.0	1.4~3.5~3.8	1.4~5.0~5.6
Heating capacity	min~nom~max	kW	1.3~3.4~4.5	1.4~4.5~5.0	1.4~5.0~8.1
Nominal input	cooling	min~nom~max	0.57	1.02	1.55
	heating	min~nom~max	0.79	1.22	1.60
EER			4.39	3.43	3.23
COP			4.30	3.69	3.63
Energy label	cooling		A	A	A
	heating		A	A	A
Annual energy consumption	cooling	kWh	285	510	775

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)

SPECIFICATIONS INDOOR UNITS

HEATING AND COOLING				FVXS25F	FVXS35F	FVXS50F
Dimensions	HxWxD	mm		600x700x210		
Weight			kg	14		
Front panel colour				White		
Air flow rate	cooling	H / L / SL	m ³ /min	8.2 / 4.8 / 4.1	8.5 / 4.9 / 4.5	10.7 / 7.8 / 6.6
	heating	H / L / SL	m ³ /min	8.8 / 5.0 / 4.4	9.4 / 5.2 / 4.7	11.8 / 8.5 / 7.1
Fan speed			steps	5 steps, silent and auto		
Sound pressure level	cooling	H / L / SL	dB(A)	38 / 26 / 23	39 / 27 / 24	44 / 36 / 32
	heating	H / L / SL	dB(A)	38 / 26 / 23	39 / 27 / 24	45 / 36 / 32
Sound power level	cooling	H	dB(A)	54	55	56
		liquid	mm	6.4	6.4	6.4
Piping connections	gas	mm		9.5	9.5	12.7
	drain	mm		20	20	20
Heat insulation				Both liquid and gas pipes		

- Note:
- 1) VM = 1 ~, 220-240/220-230V, 50/60Hz / V1 = 1 ~, 220-240V, 50Hz.
 - 2) Nominal cooling capacities are based on: indoor temperature 27°CDB / 19°CWB - outdoor temperature 35°CDB - refrigerant piping length 7,5m - level difference 0m.
 - 3) Nominal heating capacities are based on: indoor temperature 20°CDB - outdoor temperature 7°CDB / 6°CWB - refrigerant piping length 7,5m - level difference 0m.
 - 4) Capacities are net, including 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.

SPECIFICATIONS OUTDOOR UNITS

HEATING AND COOLING				RXS25G	RXS35G	RXS50G
Dimensions	HxWxD	mm		550x765x285		735x825x300
Weight			kg	34	34	48
Casing colour				Ivory white		
Sound pressure level	cooling	dB(A)		46 / 43	48 / 44	48 / 44
	heating	dB(A)		47 / 44	48 / 45	48 / 45
Sound power level	cooling	dB(A)		61	63	62
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
Maximum height difference			m	15	15	20
Operation range	cooling	from ~ to	°CDB	-10~46		
	heating	from ~ to	°CWB	-15~20		-15~18

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 and cooling	FVXS25F	•	•	•	•	•	•	•	•	•	•
	FVXS35F	•	•	•	•	•	•	•	•	•	•
	FVXS50F	•	•	•	•	•	•	•	•	•	•
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

- Notes:
- 1 For more detailed information, please consult our multi model / combination tables catalogue or your local dealer
 - (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

ACCESSORIES: CONTROL SYSTEMS

INDOOR UNITS		FVXS25F	FVXS35F	FVXS50F
Centralised control board	up to 5 rooms		KRC72(A)	
Wiring adapter (normal open / normal open pulse contact)	normal open		KRP413A(A)1S	
	normal open pulse contact		KRP413A(A)1S	
Interface adapter (1)			KRP928B(A)2S	
Central remote control			DCS302CA61	
Unified ON / OFF control			DCS301BA61	
Schedule timer			DST301BA61	

(1) For DIII-NET adapter

ACCESSORIES INDOOR UNITS

INDOOR UNITS	FVXS25F	FVXS35F	FVXS50F
Titanium apatite photocatalytic air-purifying filter without frame (2)		KAF968A42	
Anti-theft protection for remote control		KKF936A4	

(2) Standard accessory

ACCESSORIES OUTDOOR UNITS

OUTDOOR UNITS	RXS25G	RXS35G	RXS50G
Air direction adjustment grille		KPW937AA4	KPW945AA
Drain plug *		KPW937AA4	

* Standard accessory (only for heat pump models)



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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