



AIR CONDITIONERS

for shops and small offices

FLOOR STANDING UNITS

R-410A



www.daikin.eu

FVQ-B



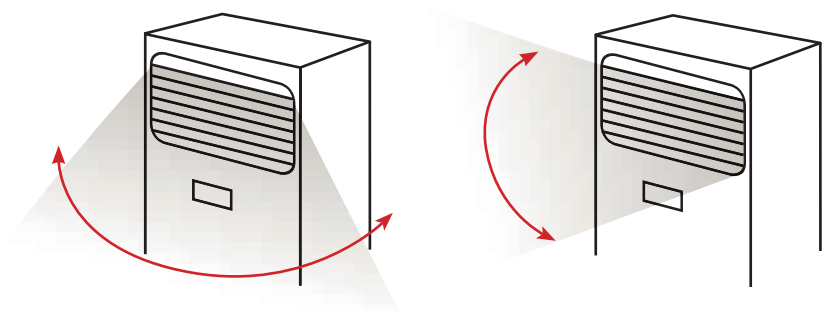
SKY AIR FVQ FLOOR STANDING INDOOR UNITS ARE SPECIALLY DESIGNED FOR EASY INSTALLATION IN HIGH-CEILING STORES AND OFFICES. THEY ARE EXTREMELY QUIET IN OPERATION AND THE USE OF A HIGH-EFFICIENCY, LONG LIFE FILTER REDUCES MAINTENANCE TIME AND COST.

COMFORT

Several features integral with the unit enhance comfort levels.

> **Auto swing**

Horizontal auto swing moves the flaps automatically from left to right to distribute air effectively throughout the entire room. The louvers move slowly at a speed of 2 to 3 full strokes per minute. The vertical air flow pattern can be adjusted manually to match cooling or heating requirements in different sized interiors or irregularly shaped rooms.



> **Two fan speeds**

A choice of two fan speeds is available: **high or low**. The high fan speed enables coverage of a much wider area than the low fan speed, which limits air distribution to a minimum.

> **Quiet in operation**

These units are quiet in operation with sound levels are as low as **36dB(A)**, comparable to a quiet room.

> **Dry program**

The special Daikin **dry program** reduces humidity in the room without variations in room temperature.

> **Year-round cooling**

It is possible, even in winter, for cooling to be provided efficiently, even when the indoor temperature is higher than the outdoor temperature – for example in an office having many computers.

FLEXIBLE INSTALLATION AND EASY TO USE AND MAINTAIN

- > The outdoor unit can be **installed** on a roof or terrace or placed against an outside wall.
- > The special **anti-corrosion treatment** of the outdoor unit heat exchanger fins, gives greater resistance against acid rain and salt corrosion. Additional resistance is provided by a rustproof steel sheet on the underside of the unit.
- > The indoor unit is equipped with a **long-life filter**, a 'filter' sign on the remote controller, indicating when the filter needs to be replaced.
- > **Daikin remote controls** provide fingertip control.
- > A **wired remote controller** is mounted on the front of the unit (standard).
- > The **LCD control panel** can be detached and used as a remote controller, enabling the indoor unit to be controlled from another room or from a cash register. (a remote controller cable is optional)
- > Two **thermo-sensors** are available – one on the indoor unit and one on the wired remote control. Temperature detection can therefore, be set closer to the target area to further improve the comfort level.
*The thermo-sensor on the indoor unit must be used when the indoor unit is controlled from another room. An optional remote controller must be attached.
- > The unit can be controlled via **two remote controllers** and can be controlled locally or from a remote location.




RZQS125



Wired remote control (standard)

ENERGY EFFICIENT

>  **Energy label:** up to class C.

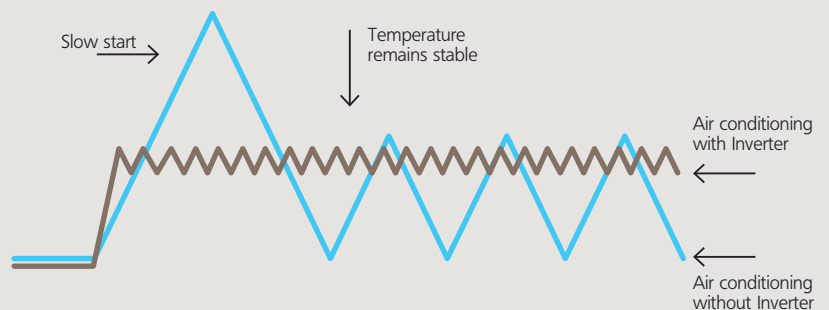
> **Inverter technology**, developed by Daikin is a true innovation in the area of climate control. The principle is simple: inverters adjust the power used to suit the actual requirement. No more, no less. This technology provides two well proven benefits:

1. Comfort

The inverter repays its investment many times over by improving comfort. An air conditioning system fitted with an inverter continuously adjusts its cooling and heating output to suit the temperature requirement in the room. It also 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 efficiency

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



APPLICATION OPTIONS

- > This model can be used both in **heating and cooling (heat pump)**
- > The indoor unit can be used in pair combination (connecting one indoor to one outdoor)



CAPACITY AND POWER INPUT

HEAT PUMP - INVERTER CONTROLLED (air cooled)				FVQ71B	FVQ100B	FVQ125B
				RZQS71CV1	RZQS100CV1	RZQS125CV1
Cooling capacity	nominal	kW	7.1	10	12.5	
Heating capacity	nominal	kW	8	11.2	14	
Nominal input	cooling	nominal	2.53	3.98	4.45	
	heating	nominal	2.49	3.99	4.36	
EER			2.81	2.51	2.81	
COP			3.21	2.81	3.21	
Energy label	cooling		C	E	C	
	heating		C	E	C	
Annual energy consumption	cooling	kWh	1,265	1,990	2,225	

Notes:

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)

DID YOU KNOW *that* ...

Energy savings are increased significantly by an air conditioner that can heat as well as cool? Indeed, a heat pump system transports warmth from outdoors to indoors free, even with negative outside temperatures.





Height	1,850 mm
Width	600 mm
Depth	350 mm



Height	1,170 mm
Width	900 mm
Depth	320 mm

SPECIFICATIONS INDOOR UNITS

HEAT PUMP				FVQ71B	FVQ100B	FVQ125B
Dimensions	HxWxD	mm		1,850x600x270	1,850x600x350	
Weight		kg		39	46	47
Casing colour				White		
Air flow rate	cooling	H/L	m ³ /min	18/14	28/22	32/25
	heating	H/L	m ³ /min	18/14	28/22	32/25
Sound pressure level	cooling	H/L	dB(A)	42/36	48/42	50/44
	heating	H/L	dB(A)	42/36	48/42	50/44
Sound power level	cooling	H/L	dB(A)	54/48	60/54	62/56
Piping connections		liquid	mm	Ø 9.52		
		gas	mm	Ø 15.9		
		drain	OD mm	I.D.20/O.D.26		
Heat insulation				Both liquid and gas pipes		

SPECIFICATIONS OUTDOOR UNITS

HEAT PUMP - INVERTER CONTROLLED				RZQS71CV1	RZQS100CV1	RZQS125CV1
Dimensions	HxWxD	mm		770x900x320		1,170x900x320
Weight		kg		68		103
Casing colour				Ivory white		
Sound pressure level (night quiet mode)	cooling	H	dB(A)	49 (47)	51 (49)	
	heating	H	dB(A)	51	55	53
Sound power level	cooling	H	dB(A)	65	67	63
Compressor	type			Hermetically sealed swing		Hermetically sealed scroll
Refrigerant type				R-410A		
Refrigerant charge		kg/m		2.75		3.7
Maximum piping length	m			30 (equivalent length 40)	50 (equivalent length 70)	50 (equivalent length 90)
Maximum level difference	m			15		30
Operation range	cooling	from ~ to	°CDB	-5~46		
	heating	from ~ to	°CWB	-15~15.5		



ACCESSORIES: INDOOR UNITS

INDOOR UNITS	FVQ71B	FVQ100B	FVQ125B
Replacement long-life filter		KAFJ95L160	
Set back time clock		BRC15A51	
Central remote control		DCS302CA51	
Unified ON/OFF controller		DCS301BA51	
Schedule timer *1		DST301BA51	
Intelligent touch controller *1		DCS601C51	
Remote control for 2 remote control system		BRC1C61	
Adapter for wiring *2		KRP1BA57	
Group control adapter *2		KRP4AA52	
Interface adapter for Sky Air series		DTA112BA51	
Installation box for adapter PCB		KRP4A95	

*1: Interface adapter for Sky Air series (DTA112BA51) is necessary.

*2: Installation box for adapter PCB (KRP4A95) is necessary.

ACCESSORIES: OUTDOOR UNITS

OUTDOOR UNITS	RZQS71CV1	RZQS100CV1	RZQS125CV1
Central drain plug		KWC26B280	
Demand adapter kit		KRP58M51	

1) V1 = 1~, 230V, 50Hz; V3 = 1~, 230V, 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/ 19°CWB • outdoor temperature 7°CDB / 6°CWB • refrigerant piping length 7,5m • level difference 0m,

4) Capacities are net, including a 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 data books),

7) The sound power level is an absolute value indicating the "power" which a sound source generated,



In all of us,
a green heart



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.

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