



AIR CONDITIONERS, HEATING & COOLING
*for the retail market,
restaurants and offices*

WALL MOUNTED UNIT

air to air heat pumps



www.daikin.eu



FAQ-B

THE MOST RELIABLE AIR CONDITIONERS

No shop, business, restaurant or hotel can go without adequate climate control these days. Research has shown that proper climate control contributes to the health of your customers and staff.

The newest generation of inverter air conditioners by Daikin combines low energy use with advanced technology in an attractive casing. They make it possible to regulate the climate in each room separately. The power can be adjusted precisely to every situation. They create a comfortable indoor climate with a temperature and air humidity where everyone feels nice and comfortable, without draught and noise.

For the professional market, the choice of systems and models is nearly infinite. You can choose from air conditioners that only cool and systems with a heat pump. These heat pump systems render central heating unnecessary and ensure lower heating costs while providing the cooling needed on warmer days.

A DAIKIN AC SYSTEM CREATES
THE MOST IDEAL
CLIMATE - ENVIRONMENT,
FREE OF DRAUGHT AND NOISE.



SPACE-SAVING WALL MOUNTED UNIT

- » **Vertical autoswing**
- » **5 different discharge angles can be programmed via the remote control**
- » **The quietest in its class**

The FAQ-B wall mounted unit by Daikin is slim and stylish in materials, shape and colour. It can be installed on all types of walls, and leaves enough space free for furnishings, equipment and decorative accessories. The automatic air flow regulator provides for a uniform airflow and temperature distribution by moving the flaps vertically and/or horizontally (manually).

UNIQUE COMFORT FUNCTIONS FOR A HEALTHY INDOOR CLIMATE

> To maximize your comfort, you are able to select several **air flow patterns** from your remote control:

» **Auto swing**

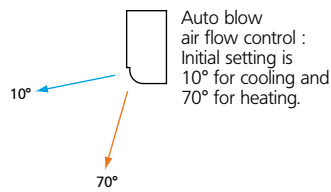
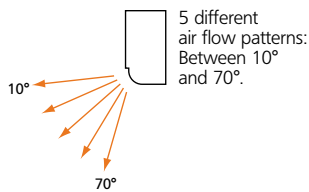
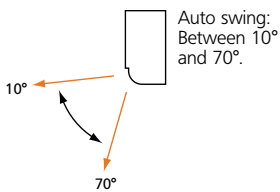
Vertical auto swing automatically moves the flaps up and down to distribute air effectively throughout the whole room. When the air conditioning is turned off, the flaps shut automatically, so that dust cannot enter.

» **5 different air flow patterns**

All five different air flow patterns between 10° and 70° can be freely selected. The chosen air flow pattern will be maintained during the operation of the air conditioning.

> **Automatic air flow control**

The last selected air flow pattern is memorized and automatically set the next time the unit is turned ON after having the initial setting for a short period of time. Initial setting is 10° for cooling and 70° for heating.

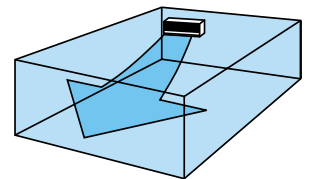


> **Wide angle louvers**

The wall mounted unit gives you the same comfortable feeling everywhere. The wide angle louvers deliver air about 10% faster, warmer, or cooling long narrow rooms regardless where it is located in the room.

> **Air filter**

A built-in filter permanently clears the air of microscopically small dust particles.



A good indoor climate in restaurants, hotels and shops is profitable for everyone involved. Customers feel good because they are shopping in a comfortable environment, and the staff deals with fewer health problems. Also, the environment is benefited by responsible use of air and temperature.



FLEXIBLE INSTALLATION, EASY CONTROL

- > All maintenance work is carried out at the front of the **indoor unit**. The horizontal flaps and front panel are very easy to remove and clean.
- > The **outdoor** unit can be installed on the roof, terrace or against an outside wall.

SUPER COMPLETE REMOTE CONTROL

- > With the **infrared remote control** (optional) the simple operation of your Daikin air conditioner is always at your fingertips.
- > The **wired remote control** (optional) provides you with a schedule timer, enabling the air conditioning to be programmed daily or weekly.
- > With the optional **ON/OFF function**, the air conditioner can be switched on and off remotely with a mobile phone. With this function you can also make the unit switch off automatically, e.g. when someone opens a window.



Infrared remote control (Standard)



Wired remote control (Optional)

ENERGY EFFICIENT

> **A** Energy label: up to class A

> **Inverter technology:**

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:

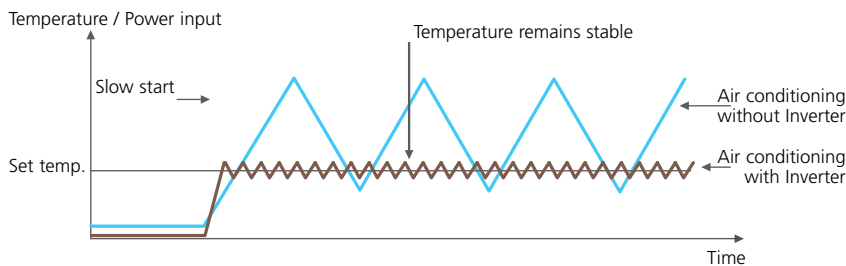
1. Comfort

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:



> **Home leave operation :**

In case of extended absence, this function helps to save energy. If there is no one in the area for an extended period, e.g. during holidays or closing days, this function automatically sets the room temperature to a minimum of 10°C. At this point, all connected indoor units will switch over to heating mode. The function will be deactivated as soon as the room temperature reaches 15°C, and it will also have to be switched off when the room is in use again.

APPLICATION OPTIONS

- > Depending on your air conditioning need, you can have your unit either **heat or cool (heat pump).**
- > It is possible to use the indoor unit in **pair** (connecting one indoor to one outdoor), **twin or triple application** (connecting up to 3 indoors in the same room to a single outdoor).

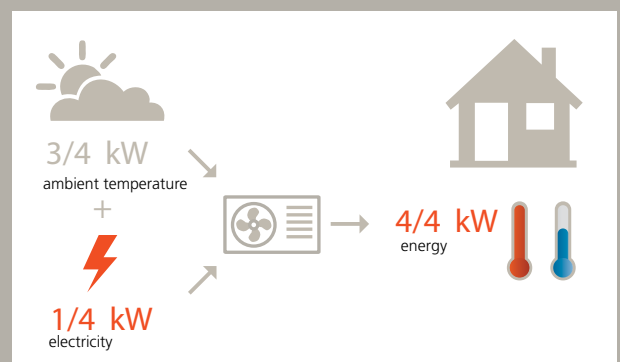


DID YOU KNOW *that ...*



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



CAPACITY AND POWER INPUT

HEATING & COOLING - INVERTER CONTROLLED				FAQ71B	FAQ100B	FAQ71B	FAQ100B	FAQ100B
				RZQS71DV1	RZQS100DV1	RZQ71DV1	RZQ100DV1	RZQ100BW1
Cooling capacity	nominal	kW	7.1	10.0	7.1	10.0	10.0	
Heating capacity	nominal	kW	8.0	11.2	8.0	11.2	11.2	
Nominal input	cooling	nominal	2.28	3.22	2.28	3.29	2.78	
	heating	nominal	2.35	3.28	2.33	3.21	3.39	
EER			3.11	3.11	3.11	3.04	3.60	
COP			3.41	3.41	3.43	3.49	3.30	
Energy label	cooling		B	B	B	B	A	
	heating		B	B	B	B	C	
Annual energy consumption	cooling	kWh	1,141	1,608	1,141	1,645	1,390	

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 full load (= nominal capacity).

TWIN/TRIPLE APPLICATION	FAQ71B	FAQ100B
RZQ140D / RZQS140D	2	
RZQ200C	3	2

SPECIFICATIONS INDOOR UNITS

HEATING & COOLING				FAQ71B	FAQ100B	
Dimensions	HxWxD	mm		290x1,050x230	360x1,570x200	
Weight		kg		13	26	
Casing colour				White		
Air flow rate	cooling	H/L	m ³ /min	19/15	23/19	
	heating	H/L	m ³ /min	19/15	23/19	
Fan speed				2 steps		
Sound pressure level	cooling	H/L	dB(A)	43/37	45/41	
	heating	H/L	dB(A)	43/37	45/41	
Sound power level	cooling	H/L	dB(A)	59/53	61/57	
	heating	H/L	dB(A)	59/53	61/57	
Piping connections	liquid		mm	ø9.5		
	gas		mm	ø15.9		
	drain		ID mm	ø13 (VP13)	ø20 (VP20)	
			OD mm	ø18 (VP13)	ø26 (VP20)	
Heat insulation			Foamed polystyrene/ foamed polyethylene			

Height	290 mm
Width	1,050 mm
Depth	230 mm



SPECIFICATIONS OUTDOOR UNITS

HEATING & COOLING - INVERTER CONTROLLED				RZQS71DV1	RZQS100DV1	RZQ71DV1	RZQ100DV1	RZQ100BW1
Dimensions	HxWxD	mm		770x900x320	1,170x900x320	770x900x320	1,345x900x320	1,345x900x320
Weight		kg		68	103	67	109	106
Casing colour				Ivory white				
Sound pressure level	cooling	H	db(A)	49 (47)	51 (49)	48 (43)	50 (45)	49 (45)
	(night quiet mode)	heating	H	db(A)	51	55	50	51
Sound power level	cooling	H	db(A)	65	67	64	65	65
Compressor			type	Hermetically sealed swing				
Refrigerant type				R-410A				
Refrigerant charge		kg/m		2.75	3.7	2.75	3.95	4.3
Max. piping length		m		30 (equiv. length 40)	50 (equiv. length 70)	50 (equiv. length 70)	75 (equiv. length 95)	75 (equiv. length 95)
Max. level difference		m		15	30	30	30	30
Operation range	cooling	from ~ to	°CDB	-5~46		-15~50		-15~50
	heating	from ~ to	°CWB	-15~15.5		-20~15.5		-20~15.5

Height	1,345 mm
Width	900 mm
Depth	320 mm



ACCESSORIES: CONTROL SYSTEMS

INDOOR UNITS	FAQ71B	FAQ100B
Wired remote control		BRC1D52
Infrared remote control	BRC7E618	BRC7C510
Centralised remote control		DCS302CA51
Unified ON/OFF control		DCS301BA51
Schedule timer		DST301BA51
Electrical box with earth terminal (2 blocks)		KJB212AA
Electrical box with earth terminal (3 blocks)		KJB311AA
Wiring adapter for electrical appendices (1)		KRP4AA51*
Interface adapter for Sky Air	-	DTA112BA51
Installation box for adapter PCB	KRP4AA93	-
Remote ON/OFF, forced OFF	-	EKROROA
Remote sensor	KRCS01-1A	-

(1) Installation box for adapter PCB (KRP4A93) is necessary for each adapter marked with *.

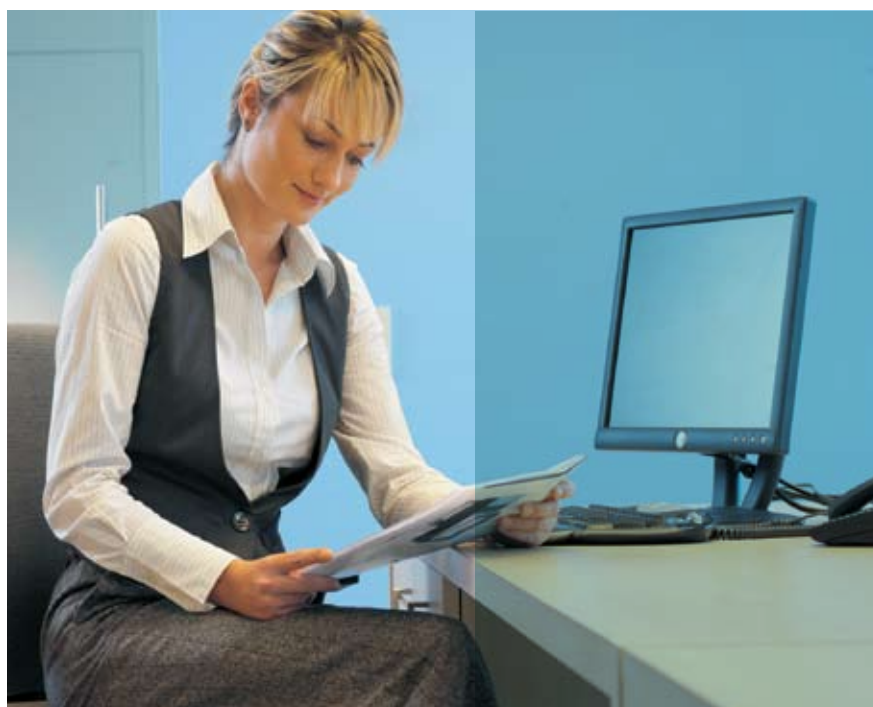
ACCESSORIES: INDOOR UNITS

INDOOR UNITS	FAQ71B	FAQ100B
Noise filter	KEK26-1A	-
Drain-up kit	K-KDU572EVE	-

ACCESSORIES: OUTDOOR UNITS

OUTDOOR UNITS	RZQ71D/RZQS71D	RZQ(S)100B/D
Central drain plug		EKDK04
Refrigerant branch piping	for twin	KHRQ22M20TA8
	for triple	-
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 • 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.



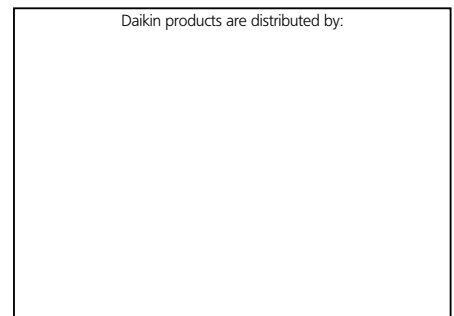
Daikin units comply with the European regulations that guarantee the safety of the product.



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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