

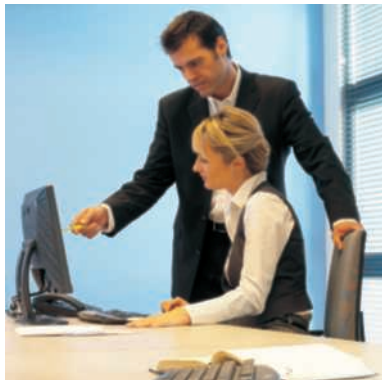


AIR CONDITIONERS

*for shops, restaurants and offices*

WALL MOUNTED UNIT

R-410A



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

FAQ-B

THESE POPULAR INDOOR UNITS CAN BE MOUNTED ON VIRTUALLY ANY TYPE OF WALL LEAVING SPACE FREE FOR FURNITURE, DECORATION AND FITTINGS. WALL MOUNTED UNITS ARE VERY QUIET IN OPERATION. AN AUTOMATIC AIR FLOW DIRECTOR ENSURES UNIFORM AIR FLOW AND TEMPERATURE DISTRIBUTION BY MOVING THE AIR DISCHARGE HORIZONTALLY AND/OR VERTICALLY.

## COMFORT

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

### **Auto swing:**

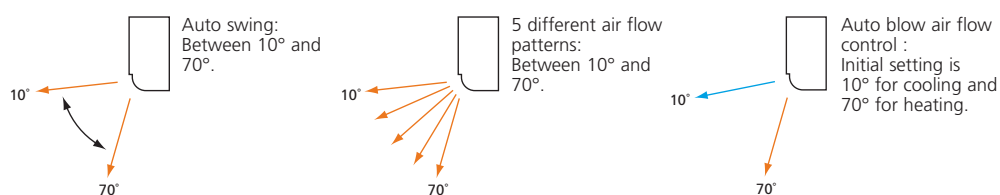
Vertical auto swing automatically moves the flaps up and down to distribute air effectively throughout the whole room. When the air conditioning is turned off, the flaps shut automatically, so that dust cannot enter.

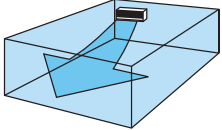
### **5 different air flow patterns:**

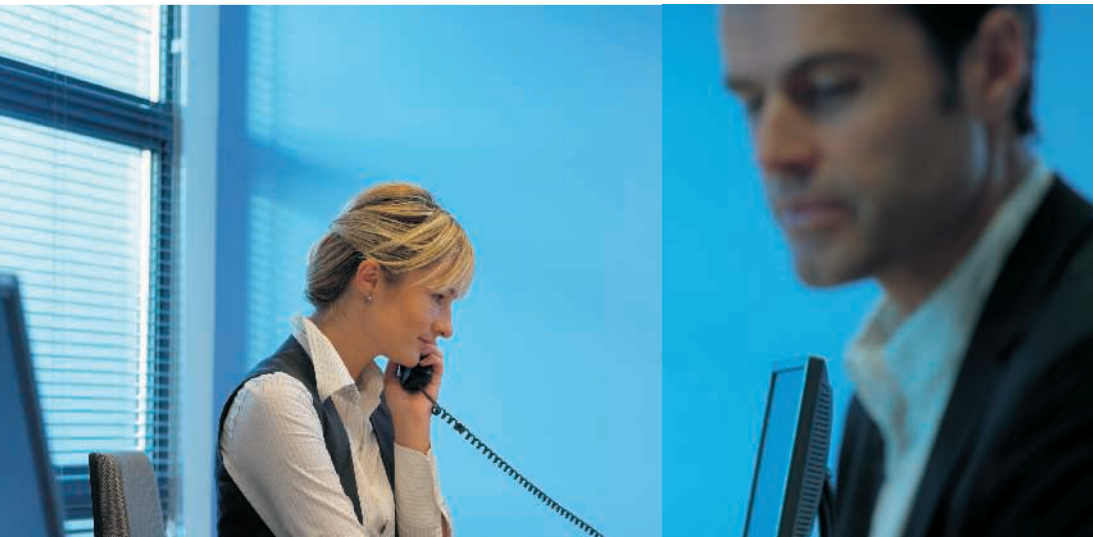
All five different air flow patterns between 10° and 70° can be freely selected. The chosen air flow pattern will be maintained during the operation of the air conditioning.

### **Auto blow 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.

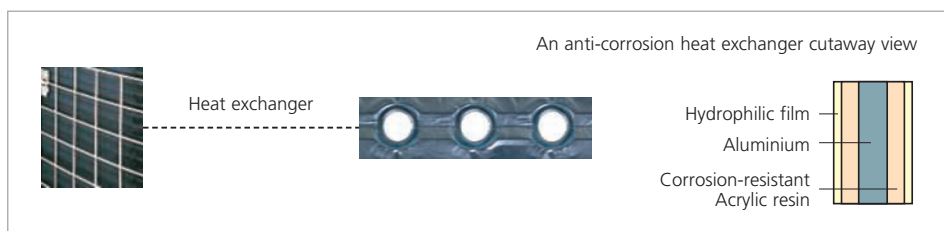


- › This wall mounted unit gives you the same comfortable feeling everywhere. The **wide angle louvers** deliver air about 10% faster, warming, or cooling long narrow rooms regardless where it is located in the room. 
- › You have the choice of 2 **fan speeds** to select: high or low. A high fan speed provides maximum reach while a low fan speed minimizes drafts.
- › Daikin's special **dry programme** reduces humidity in the room without variations in room temperature.
- › The indoor unit contains an air **filter** which removes microscopic particles and dust.



## FLEXIBLE INSTALLATION AND EASY TO USE AND MAINTAIN

- › Both the horizontal flaps and front panel can easily be removed and **cleaned**.
- › The **outdoor unit** can be installed on a roof or terrace or placed against an outside wall.
- › Special **anti-corrosion treatment** of the outdoor unit's heat exchanger fin, gives greater resistance against acid rain and salt corrosion. Additional resistance is provided by a rustproof steel sheet on the underside of the unit.



- › Daikin **remote controls** give you easy control at your fingertips.
- › The **wired remote control** (optional) provides you with a schedule timer, enabling to program the air conditioning daily or weekly.
- › The optional **remote ON/OFF** enables you to start/stop the air conditioning from a mobile phone via a telephone remote control (field supply).
- › The optional **forced OFF** enables you to switch off the unit automatically. E.g. when a window is opened, the unit switches off.



Infrared remote control (Standard)



Wired remote control (Optional)

# ENERGY EFFICIENT

› **A** Energy label: up to class A

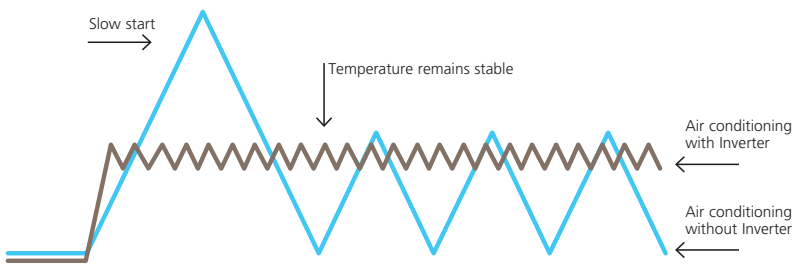
› The **inverter technology**, developed by Daikin is a true innovation in the area of climate control. The principle is simple: inverters adjust the power used to suit the actual requirement. No more, no less. This technology provides you with two concrete benefits:

## 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!



› The **'home leave'** function button should be set when the occupant leaves the room for a lengthy period of time, such as a holiday. When the function is activated, the room temperature is automatically set to a minimum of 10°C, at which point all connected indoor units will switch to heating mode. The function ceases to operate when the room temperature reaches 15°C and should also be switched off when the occupant returns home.

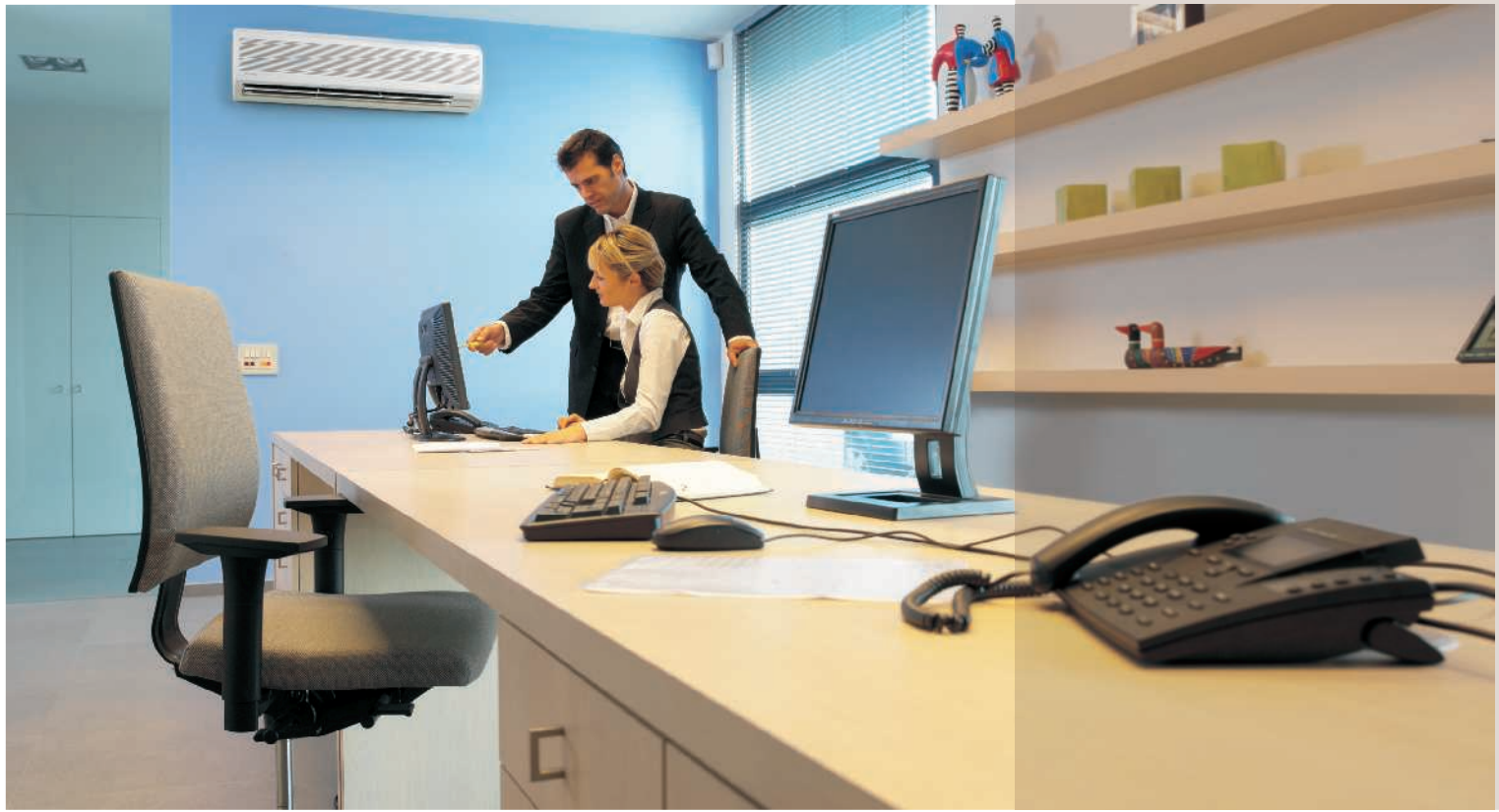
# APPLICATION OPTIONS

- › This model can be used in **cooling and heating (heat pump) or cooling only**.
- › 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 ...*

energy savings are increased significantly when you choose an air conditioner that can heat as well as cool? Indeed, with a heat pump, warmth from outdoors is transported indoors for free, even with negative outside temperatures.





## CAPACITY AND POWER INPUT

COOLING ONLY - NON INVERTER (air cooled)				FAQ71B	FAQ100B		
				RR71BV3 / W1	RR100BV3 / W1		
Cooling capacity	nominal	kW	7.10	10.00			
Nominal input	nominal	kW	2.65/2.53	3.56/3.52			
EER			2.68/2.81	2.81/2.84			
Energy label			D/C	C/C			
Annual energy consumption	cooling	kWh	1,325/1,265	1,780/1,760			
HEAT PUMP - INVERTER CONTROLLED (air cooled)				FAQ71B	FAQ100B		
				RQ71BV3 / W1	RQ100BV3 / W1		
Cooling capacity	nominal	kW	7.10	10.00			
Heating capacity	nominal	kW	8.00	11.20			
Nominal input	cooling	nominal	kW	2.65/2.53			
	heating	nominal	kW	3.96/3.82			
EER			2.68/2.81	2.81/2.84			
COP			3.10/3.21	2.83/2.93			
Energy label	cooling		D/C	C/C			
	heating		D/C	D/D			
Annual energy consumption	cooling	kWh	1,325/1,265	1,780/1,760			
HEAT PUMP - INVERTER CONTROLLED (air cooled)				FAQ71B	FAQ100B	FAQ71B	FAQ100B
				RZQS71CV1	RZQS100CV1	RZQ71CV1	RZQ100CV1 / BW1
Cooling capacity	nominal	kW	7.1	10.0	7.1	10.00	
Heating capacity	nominal	kW	8.0	11.2	8.0	11.20	
Nominal input	cooling	nominal	kW	2.53	4.08	2.21	3.45/2.78
	heating	nominal	kW	2.61	3.73	2.13	3.27/3.39
EER			2.81	2.45	3.21	2.90/3.60	
COP			3.07	3.00	3.76	3.43/3.30	
Energy label	cooling		C	F	A	C/A	
	heating		D	D	A	B/C	
Annual energy consumption	cooling	kWh	1,265	2,040	1,500	1,725/1,390	

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
RZQ(S)140C	2	
RZQ200C	3	2

## SPECIFICATIONS INDOOR UNITS

COOLING ONLY - HEAT PUMP				FAQ71B	FAQ100B	
Dimensions	HxWxD	mm		290x1,050x230	360x1,570x200	
Weight		kg		13	26	
Casing colour				White		
Air flow rate	cooling	H/L	m <sup>3</sup> /min	19/15	23/19	
	heating	H/L	m <sup>3</sup> /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			Both liquid and gas pipes			

Height	290 mm
Width	1,050 mm
Depth	230 mm



## SPECIFICATIONS OUTDOOR UNITS

COOLING ONLY - NON INVERTER				RR71BV3/W1	RR100BV3/W1
Dimensions	HxWxD	mm		770x900x320	1,170x900x320
Weight		kg		83/81	102/99
Casing colour				Daikin white	
Sound pressure level		H	dB(A)	50	53
Sound power level		H	dB(A)	63	66
Compressor			type	Hermetically sealed scroll compressor	
Refrigerant type				R-410A	
Refrigerant charge			kg/m	2.70	3.70
Maximum piping length			m	70 (equivalent length 90)	
Maximum level difference			m	30	
Operation range		from ~ to	°CDB	-15~46	

Height	770 mm
Width	900 mm
Depth	320 mm



HEAT PUMP - NON INVERTER/INVERTER CONTROLLED				RQ71BV3/W1	RQ100BV3/W1
Dimensions	HxWxD	mm		770x900x320	1,170x900x320
Weight		kg		84/83	103/101
Casing colour				Daikin white	
Sound pressure level	cooling	H	dB(A)	50	53
Sound power level	heating	H	dB(A)	63	66
Compressor			type	Hermetically sealed scroll compressor	
Refrigerant type				R-410A	
Refrigerant charge			kg/m	2.70	3.70
Maximum piping length			m	70 (equivalent length 90)	
Maximum level difference			m	30	
Operation range	cooling	from ~ to	°CDB	-5~46	
	heating	from ~ to	°CWB	-10~15	

HEAT PUMP - NON INVERTER/INVERTER CONTROLLED				RZQS71CV1	RZQS100CV1	RZQ71CV1	RZQ100CV1	RZQ100BW1
Dimensions	HxWxD	mm		770x900x320		770x900x320	1170x900x320	1345x900x320
Weight		kg		68		67	103	106
Casing colour				Ivory white		Ivory white		
Sound pressure level (night quiet mode)	cooling	H	dB(A)	49 (47)	51 (49)	47 (43)	49 (45)	49 (45)
	heating	H	dB(A)	51	55	49	51	51
Sound power level	cooling	H	dB(A)	65	67	63	65	65
Compressor			type	Hermetically sealed swing		Hermetically sealed swing		
Refrigerant type				R-410A		R-410A		
Refrigerant charge			kg/m	2.75		2.75	3.7	4.3
Maximum piping length			m	30 (equiv. length 40)	50 (equiv. length 70)	50 (equiv. length 70)	75 (equiv. length 95)	
Maximum level difference			m	15	30	30	30	30
Operation range	cooling	from ~ to	°CDB	-5~46		-15~50	-15~50	-15~50
	heating	from ~ to	°CWB	-15~15.50		-20~15.50	-20~15.50	-20~15.50

## ACCESSORIES: CONTROL SYSTEMS

INDOOR UNITS		FAQ71B	FAQ100B
Wired remote control			BRC1D52
Infrared remote control	cooling only	BRC7E619	BRC7C511
	heat pump	BRC7E618	BRC7C510
Centralised remote control			DCS302C51
Unified ON/OFF control			DCS301B51
Schedule timer			DST301B51
Electrical box with earth terminal (2 blocks)			KJB212A
Electrical box with earth terminal (3 blocks)			KJB311A
Wiring adapter for electrical appendices (1)			KRP4A51*
Interface adapter for Sky Air		-	DTA112B51
Installation box for adapter PCB		KRP4A93	-
Remote ON/OFF, forced OFF		-	EKRORO
Remote sensor		KRCS01-1	-

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

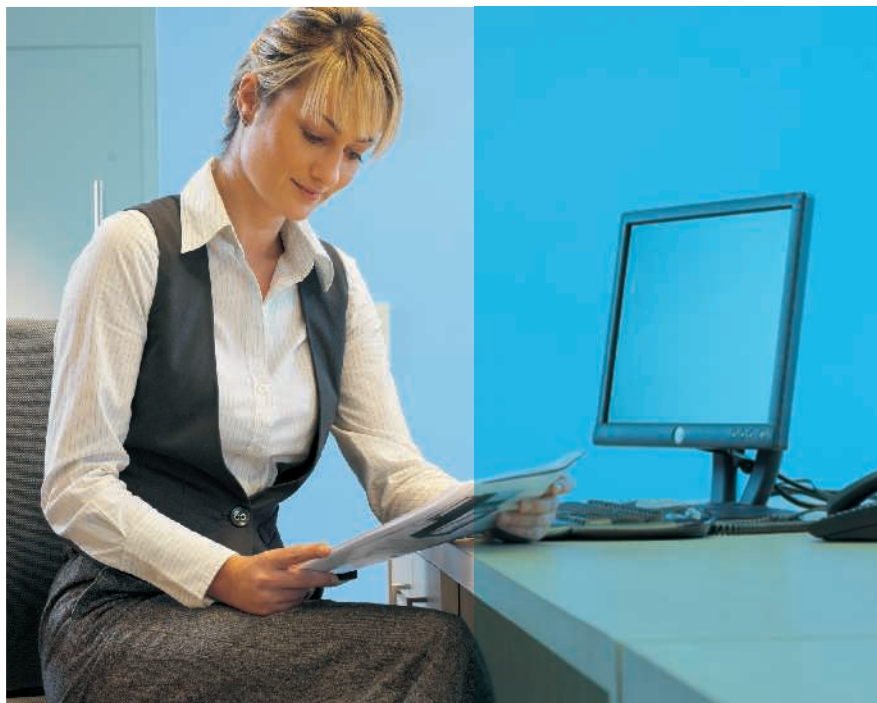
## ACCESSORIES: INDOOR UNITS

INDOOR UNITS	FAQ71B	FAQ100B
Noise filter	KEK26-1A	-
Drain-up kit	K-KDU572CVE	-

## ACCESSORIES: OUTDOOR UNITS

OUTDOOR UNITS		RR/RQ71B	RR/RQ100B	RZQ(S)71C	RZQ(S)100B/C
Central drain plug		KKPJ5F180		KKPJ5F180	
Refrigerant branch piping	for twin	KHRQ22M20TA		KHRQ22M20TA	
	for triple	-	KHRQ127H	-	KHRQ127H
Demand adapter kit		-	-	KRP58M51	

- V1 = 1~, 230V, 50Hz; V3 = 1~, 230V, 50Hz
- Nominal cooling capacities are based on: indoor temperature 27°CDB/19°CWB • outdoor temperature 35°CDB • refrigerant piping length 7.5m • level difference 0m.
- Nominal heating capacities are based on: indoor temperature 20°CDB • outdoor temperature 7°CDB/6°CWB • refrigerant piping length 7.5m • level difference 0m.
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- Units should be selected on nominal capacity. Max. capacity is limited to peak periods.
- 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).
- 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.

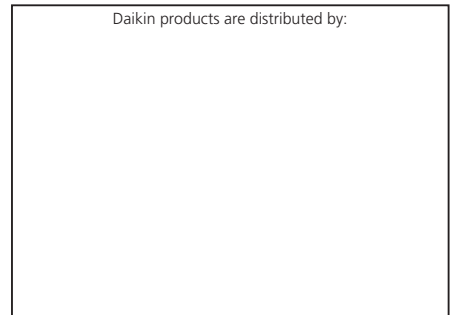


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