Heating & Cooling

INDOOR UNITS				FFQ25B	FFQ35B	FFQ50B	FFQ60B
Capacity	cooling	nom.	kW	2.50 [1]	3.40 [1]	4.70 [1]	5.80 [3]
	heating	nom.	kW	3.20 [2]	4.00 [2]	5.50 [2]	7.00 [4]
Power input	cooling	nom.	kW	0.73	1.10	1.80	2.07
	heating	nom.	kW	0.92	1.20	1.96	2.49
EER				3.42	3.09	2.61	2.80
COP				3.48	3.33	2.81	2.81
Energy label	cooling/heating			365	550	900	D/D
Annual energy consumption			kWh	A/B	B/C	D/D	1035
Dimensions	unit	heightxwidthxdepth	mm	286x575x575			
Weight	unit		kg	17.5			
Fan - Air flow rate	cooling	high/nom./low	m³/min	9.0/-/6.5	10.0/-/6.5	12.0/-/8.0	15.0/-/10.0
	heating	high/low	m³/min	9.0/6.5	10.0/6.5	12.0/8.0	15.0/10.0
Sound pressure level	cooling	high/nom./low	dBA	29.5/-/24.5	32.0/-/25.0	36.0/-/27.0	41.0/-/32.0
	heating	high/low	dBA	29.5/24.5	32.0/25.0	36.0/27.0	41.0/32.0
Sound power level	cooling	high/nom.	dBA	46.5/-	49.0/-	53.0/-	58.0/-
Power supply	phase/frequency/voltage		Hz/V	1~/50/230			
Piping connections	liquid	OD	mm	ø 6.35			
	gas	OD	mm	ø9.5		ø12.7	
	drain	OD	mm	ø26			
Decoration panel	model			BYFQ60BAW1			
	colour			White (RAL9010)			
	dimensions	heightxwidthxdepth	mm	55x700x700			
	weight		kg	2.7			

(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°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m; level difference: 0m. (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 7.5m; level difference: 0m. (5) The sound power level is an absolute value indicating the power which a sound source generates. (6) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings.

OUTDOOR UNITS				RXS25G	RXS35G	RXS50G	RXS60F
Dimensions	unit	heightxwidthxdepth	mm	550x765x285		735x825x300	
Weight	unit		kg	34		48	
Operation range	cooling	ambient	min.~max.	°CDB	-10~46			
	heating	ambient	min.~max.	°CWB	-15~20		-15~18	
Sound pressure level	cooling	high/low	dBA	46/43	48/44		49/46
	heating	high/low	dBA	47/44	48/45		49/46
Sound power level	cooling	nom.	dBA	61	63	62	63
Compressor		type		Hermetically sealed swing			
Refrigerant		type		R-410A			
Power supply	phase/frequency/voltage		Hz/V	1~/50/220-230-240			1~/50/220-240
Piping connections	additional refrigerant charge		kg/m	0.02 (for piping length exceeding 10m)			
	level difference	IU - OU	max.	m	15		20	
	total piping length	system	actual	m	-			

Indoor unit FFQ-B

Wired remote control BRC1E51,
infrared remote control BRC7E530W

Outdoor unit
RXS50-60F

CE

FSC

ECPEN10-107

Daikin products are distributed by:

DAIKIN EUROPE N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende

DAIKIN

SkyAir®

» **Energy label:**
   Up to class A

» **Heat pump system**

» **Inverter technology**

» **Fits precisely**
   in standard modules
   of 600x600mm

» **4-way blow for**
   comfortable air
   distribution

» **As silent**
   as rustling leaves

Air Conditioners
Heating & Cooling

4-Way Blow Ceiling Mounted Cassette

www.daikin.eu

FFQ-B

For a long time already, advanced heat pump systems have been far from a luxury in modern office buildings, shops, and restaurants. Changing climatic conditions and contemporary architecture with large glass partitions - in combination with an ever-increasing insulation performance - have resulted in one system which heats and cools becoming standard equipment. Daikin ceiling mounted cassettes are integrated perfectly into the ceiling, which enables you to keep all the available space for your furniture, equipment and decoration.

Combining highest efficiency and year-round comfort with a heat pump system

3/4 kW
ambient temperature
+
1/4 kW
electricity

4/4 kW
energy

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 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

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:
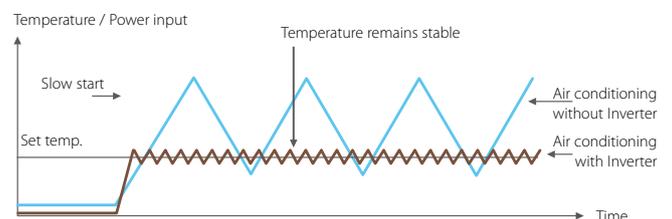
▶ **Comfort**

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.

▶ **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:

Temperature / Power input

Slow start

Temperature remains stable

Set temp.

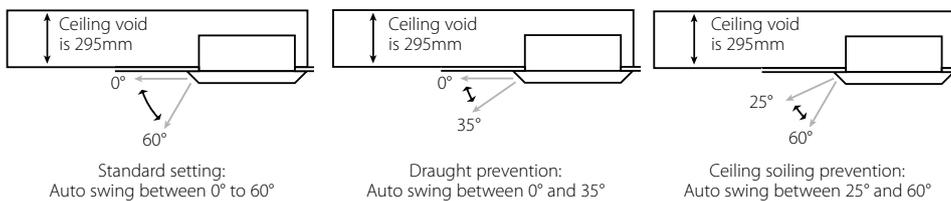Air conditioning without Inverter

Air conditioning with Inverter

Time

4-way blow for comfortable air distribution

As the name suggests, these units discharge air in four directions. An integrated air filter traps the tiniest dust particles and, in so doing, ensures a constant supply of clean air. The indoor unit distributes the air almost inaudibly: the sound levels are as low as 24.5 dBA, which corresponds to rustling leaves. For even greater comfort, you can choose between various settings by simply using the remote control.

> **Autoswing**
> You have the choice of **three auto-swing positions** for maximum climate comfort: standard, draught prevention or ceiling soiling prevention. Since the flaps can be moved to a 0° position, draughts are virtually impossible.

Ceiling void is 295mm
0°
60°

Standard setting:
Auto swing between 0° to 60°

Ceiling void is 295mm
0°
35°

Draught prevention:
Auto swing between 0° and 35°

Ceiling void is 295mm
25°
60°

Ceiling soiling prevention:
Auto swing between 25° and 60°

Flexible installation, Easy use

With a new decorative front panel in 'pure white' (RAL9010), the FFQ ceiling mounted cassette blends in discreetly with contemporary white ceilings. The ceiling mounted cassette is the ideal solution if heating or cooling is to be unobtrusive, such as in restaurants, shops, showrooms, museums, offices and sports centres.

> The FFQ ceiling mounted unit can be fitted effortlessly in **shallow, false ceilings** - only 295 mm ceiling void is required. The compact casing enables this model to fit precisely in the standard architectural modules of 600 x 600 mm, so **ceiling tiles no longer need to be adjusted**.

> It is possible to shut one or two discharge flaps off, enabling the cassette to be installed in a corner, a wall or a confined space.

2-Way blow

3-Way blow

4-Way blow
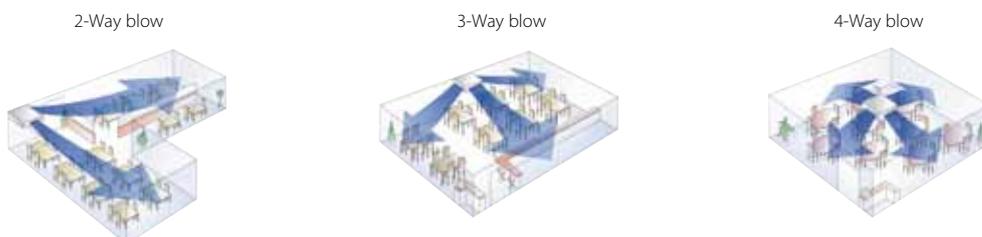
> **The switch box** is inside the indoor unit. There is easy access from below for maintenance work. It is not even necessary to remove any ceiling tiles.

> The indoor unit is easy control with **a wired or infrared remote control**.

Wired remote control
BRC1E51

Infrared remote
control BRC7E530W

> The newly developed **wired remote control BRC1E51A** (optional) has a modern design in pure white (RAL 9010). Large buttons and arrow keys as well as the given explanation for each setting on the display, makes the remote control easy to operate. A holiday setting, home leave operation, and an improved weekly timer are included. The wired remote control is available in following languages: English, German, French, Spanish, Italian, Portuguese, Greek, Dutch, Russian and Turkish.

> **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.

> With the **optional ON/OFF function**, the air conditioner can, with a mobile phone, be switched on and off remotely. With this function you can also make the unit switch off automatically, e.g. when someone opens a window.

> The **outdoor unit** can be installed on the roof, terrace or against an outside wall.

Application options

> Depending on your air conditioning need, you can have your unit either **heat or cool (heat pump)**.

> The indoor unit is suited to **single-split application** (one indoor unit connected to one outdoor unit), **twin, triple or double twin applications** (a maximum of four indoor units in the same room to one outdoor unit) and **multi-split application** (a maximum of nine indoor units in different rooms to one outdoor unit).