



Air conditioners

Heating & Cooling

SkyAir

600x600, 4-way blow ceiling mounted cassette

- » **Energy label:
up to class A**
- » **Unit fits into standard
architectural modules**
- » **Modern decoration
panel in white
(RAL9010)**
- » **4-way blow for
comfortable air
distribution**
- » **As silent
as rustling leaves**



www.daikin.eu



FFQ-B9V

4-way blow cassette: efficiency and comfort in a standard ceiling tile format

Whisper-quiet, draught-free comfort in a ceiling tile format. And as part of the Daikin seasonal efficiency line-up, Daikin 4-way blow cassettes meet tomorrow's stricter energy requirements today. So businesses like yours with long running hours and high air conditioning loads can enjoy the lower operating costs and increased comfort of tomorrow's technology, today.



Efficiency you can count on

› Ready for the seasonal efficiency challenge

The performance of the new Daikin Sky Air seasonal efficiency lines are rated according to the new seasonal efficiency standard. This guarantees that the rated performance corresponds to the actual operating conditions over an entire cooling or heating season of your shop, office, restaurant or hotel.

› Great energy saving functions via new wired controller

An enhanced **wired controller**, BRC1E52A/B, gives you access to the full functionality of the 4-way blow cassette. There are three programmable schedules (e.g. winter, summer, mid-season) plus a holiday function to disable the schedule timer. Each schedule can contain up to five actions per day. And the handy controller also indicates kWh usage by day/month/year, allowing you to clearly monitor your energy use.

Controller features:

- › Temperature range limit
- › Improved setback function
- › Off timer
- › kWh indication
- › 3 weekly timers



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

Air-to-air heat pumps obtain 75% of their output energy from renewable sources: the ambient air, which is both renewable and inexhaustible. Of course, heat pumps also require electricity to run the system, but increasingly this electricity can also be generated from renewable energy sources (solar energy, wind energy, hydropower, biomass).



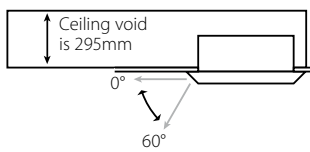
Perfect comfort for your customers and guests

> **Whisper quiet**

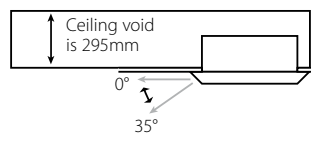
With sound levels down to 24.5 dBA (the level of rustling leaves), your customers and visitors can attend to their business undisturbed.

> **Reduced draughts**

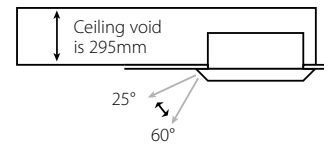
The **vertical auto swing system** automatically cycles the outflow louvers up and down, enabling an even distribution of air and temperature throughout the room. **Three settings are possible:** standard, draught prevention and ceiling soiling prevention. The latter ensures that air is never blown horizontal to the ceiling, thus preventing soiling.



Standard setting:
Auto swing between 0° to 60°



Draught prevention:
Auto swing between 0° and 35°



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

Flexible installation

> **Replaces single ceiling tile in lowered ceilings**

- The 4-way blow cassette replaces a single, standard ceiling tile, leaving only a matching decoration panel visible
- Installation possible in suspended ceilings with clearances as low as 295 mm
- A RAL 9010 decoration panel is available
- The switch box is installed inside the unit for easy maintenance without removing adjacent ceiling tiles

Cool or heat up to 9 rooms with a single outdoor unit

A single multi outdoor unit can power up to nine indoor units in different rooms. Of course, the climate of each room is individually controlled. This assures top efficiency and optimum comfort for each separate space. For long or irregularly shaped rooms you can use up to four indoor units powered by a single outdoor unit. All indoor units are controlled at the same time.

Seasonal efficiency: optimised energy performance for all seasons

The Daikin seasonal efficiency outdoor and indoor units derive their name from the improved EU standard for measuring energy efficiency. Seasonal efficiency ratings are part of Europe's approach to achieving its challenging environmental targets for 2020. The new seasonal efficiency rating scheme, or SEER (Seasonal Energy Efficiency Ratio), will be mandatory after 2013 and measures environmental performance in situations much closer to real life.

Where the old scheme measured efficiency at only one outdoor temperature and with equipment running at full load, the new seasonal efficiency scheme measures efficiency across a range of outdoor temperatures, under partial load situations and includes energy consuming auxiliary modes (such as standby) that were ignored under the old scheme.

These new ratings reward designs that truly increase energy performance in real life situations. Daikin is proud to be playing a leading role in developing and implementing this new standard, and in integrating these new standards today, well before their required implementation in 2013.



Heating & Cooling

INDOOR UNIT				FFQ25B9V	FFQ35B9V	FFQ50B9V	FFQ60B9V
Cooling capacity	min/nom/max		kW	2.50 ³	1.4/3.4 ³ /3.7	0.9/4.7 ³ /5.6	5.80 ³
Heating capacity	min/nom/max		kW	3.20 ⁴	1.4/4.5 ⁴ /5.0	0.9/5.5 ⁴ /7.0	7.00 ⁴
Power input	cooling	min/nom/max	kW	0.73	0.300/1.300/1.470	0.450/1.800/2.260	2.07
	heating	min/nom/max	kW	0.92	0.290/1.600/1.800	0.450/1.960/2.780	2.49
EER				3.43	2.62	2.61	2.80
COP				3.48	2.81	2.81	2.81
Annual energy consumption	kWh			365	650	900	1,035
Energy label	cooling/heating			A/B		D/D	
Casing	colour			Unpainted			
	material			Galvanised steel			
Dimensions	unit	heightxwidthxdepth	mm	286x575x575			
Weight	unit			17.5			
	model			BYFQ60BW1			
Decoration panel	colour			Pure White (RAL 9010)			
	dimensions	heightxwidthxdepth	mm	55x700x700			
Fan - Air flow rate	cooling	high/low	m ³ /min	9.0/6.5	10.0/6.5	12.0/8.0	15.0/10.0
	Sound power level	cooling	high	dB(A)	46.5	49	53
Sound pressure level	cooling	high/low	dB(A)	29.5/24.5	32/25	36/27	41/32
	Piping connections	liquid	OD	mm	6.35		
gas		OD	mm	9.52	9.5	12.7	
drain		OD	mm	-			
Power supply	phase / frequency / voltage			1~ / 50 / 220-240			

(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, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m (5) Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat. (6) Nominal cooling and heating capacity is depending on the outdoor unit type (7) PED unit category: Art3S3: excluded from scope of PED due to article 1, item 3.6 of 97/23/EC

OUTDOOR UNIT				RXS25K	RXS35J	RXS50J	RXS60F	
Dimensions	unit	heightxwidthxdepth	mm	550x765x285		735x825x300		
Weight	unit			34		48		
Fan	air flow rate	cooling	high	m ³ /min	33.5	36.0	50.9	
			low	m ³ /min	30.1	-	42.4	
			Super low	m ³ /min	-	30.1	48.9	
		heating	high	m ³ /min	28.3	28.3	45.0	46.3
			low	m ³ /min	25.6	-	42.4	
			Super low	m ³ /min	-	25.6	43.1	-
Sound power level	cooling	high	dB(A)	61	63			
Sound pressure level	cooling	high/silent operation	dB(A)	46/43	48/44			
	heating	high/silent operation	dB(A)	47/44	48/45			
Compressor	type			Hermetically sealed swing compressor				
Operation range	cooling	ambient	min.~max.	°CDB				
	heating	ambient	min.~max.	°CWB				
Refrigerant	type			R-410A				
Piping connections	liquid	OD	mm	6.35		-		
	gas	OD	mm	9.5	12.7			
	drain	OD	mm	18.0	15.9			
	additional refrigerant charge			kg/m				
Power supply	level difference	IU - OU	max.	15		20		
	phase / frequency / voltage			1~ / 50 / 220-240				



Indoor unit FFQ-B9V



Wired remote control BRC1E52A/B



Outdoor unit RXS-K



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. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP) and Fan coil units (FCU). Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com

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