



Concealed ceiling unit with medium ESP

FBQ-D

INVERTER Seasonal Classic



Automatic Air Flow



Drain Pump Kit

Slimmest yet most powerful medium static pressure unit on the market

- › Top efficiency in the market
- › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- › Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, whatever the length of duct, making installation easier and guaranteeing comfort.
- › Reduced energy consumption thanks to specially developed DC fan motor
- › Moreover, the ESP can be changed via the wired remote control to optimize the supply air volume
- › Flexible installation, as the air suction direction can be altered from rear to bottom suction
- › Slimmest unit in class, only 245mm
- › Standard built-in drain pump increases flexibility and installation speed
- › Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- › No optional adapter needed for DIII-connection, link your unit into the wider building management system
- › Low sound level



Concealed ceiling unit for discrete installation and optimum efficiency and comfort

Daikin concealed units fit discretely in the ceiling, with only the discharge and suction grilles visible. Customers and guests are assured of whisper-quiet comfort, and as part of the Daikin seasonal efficiency line-up, Daikin concealed ceiling units 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.

Europe's energy label: raising the bar on energy efficiency.

To inform consumers concerning energy performance standards, Europe has introduced a new energy label. This label allows end-users to make even better informed choices, since seasonal efficiency reflects air conditioner efficiency over an entire season. The energy label includes multiple classifications from A+++ to D. Information includes not only seasonal efficiency ratings for heating (SCOP) and cooling (SEER), but also annual energy consumption and sound levels.



Efficiency leads across the board

› Inverter control for optimum efficiency and comfort

Because an inverter monitors and adjusts ambient temperature whenever needed, energy consumption drops by 30% compared to a traditional on/off system (non inverter). Daikin concealed ceiling units use inverters that allow the DC fan motor to efficiently operate at the precise speed required to maintain comfort. Daikin is a pioneer in the application of inverters to air conditioning.



› 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).

› Energy saving functions via wired controller

An enhanced **wired controller** (BRC1E52A/B) gives you access to the full functionality of the concealed ceiling unit. 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.

Controller features:

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



Wired remote control

Perfect comfort for your customers and guests

› **Whisper quiet**

With sound levels down to 25dBA (the level of rustling leaves), your customers and visitors can attend to their business undisturbed.

› **Blends with any interior**

The units are discretely concealed in the ceiling with only the suction and discharge grilles visible. No floor or wall space is needed. Decorative grilles are available to match a range of ceilings.

› **Optimum comfort in all situations**

Optimum comfort in all situations is ensured thanks to 3-step airflow control. You can easily adjust airflow via the optional wired remote controller.



Quick and easy installation for a broad range of applications

› **Fits in rooms with no or narrow ceilings**

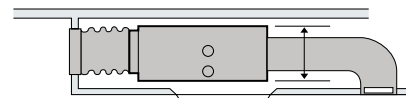
The units fit flush in **lowered ceilings**

› **Ideal for use in small and large areas**

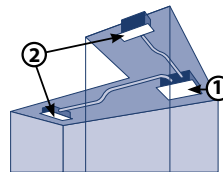
- Wide range of capacities from 6.8kW, ideal for small or well-insulated room as to 14kW for larger areas.
- From 30Pa up to 150Pa external static pressure allows flexible application and extensive ductwork runs.
- Air discharge grilles can be installed separately from the main unit for application in irregularly shaped rooms (e.g. L-shaped, U-shaped or long room).

› **Quicker installation**

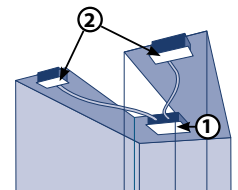
- Fewer duct calculations are needed
- Automatic airflow adjustment via the optional remote controller eliminates the need for manual duct adjustments to obtain optimum performance
- Drain pump is standard



Suction panel



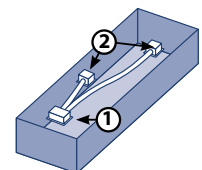
L-shaped room



U-shaped room

① Suction grille

② Discharge grille (field supply) of the flexible ducts



Long room

Cool or heat up small to large applications with a single outdoor unit

A single multi outdoor unit can power up to nine indoor units in different rooms. 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 multiple indoor units powered by a single outdoor unit. All indoor units are controlled at the same time.

FBQ-D + RZQSG-L3V1/L9V1/L8Y1



Indoor Model Name		FBQ71D	FBQ100D	FBQ100D	FBQ125D	FBQ125D	FBQ140D	FBQ140D	
Outdoor Model Name		RZQSG71L3V1	RZQSG100L9V1	RZQSG100L8Y1	RZQSG125L9V1	RZQSG125L8Y1	RZQSG140L9V1	RZQSG140LY1	
Cooling Capacity (Min. / Nom. / Max)	kBtu/hr	10.9/23.2/27.3	17/32.5/38.2		19.4/41/47.8		21.1/45.8/52.5		
	kW	3.2/6.8/8	5/9.5/11.2		5.7/12/14		6.2/13.4/15.4		
Heating Capacity (Min. / Nom. / Max)	kBtu/hr	25.6/12/25.6/30.7	17.4/36.5/43.7		20.5/46.1/54.6		21.1/52.9/61.4		
	kW	3.5/7.5/9	5.1/10.8/12.8		6/13.5/16		6.2/15.5/18		
Nominal Running Current at 220V (Cooling)	A	9.3	13.3	4.8	17.4	6.3	20.5	7.4	
Nominal Running Current at 220V (Heating)	A	9.0	13.8	5.0	17.4	6.3	21.4	7.7	
Seasonal efficiency (according to EN14825) Cooling	Energy label	A+	A+	A+	A	A	-	-	
	Pdesign	kW	6.80	9.50		12.00		-	-
	SEER		5.84	5.61		5.47		-	-
	Annual energy consumption	kWh	408	593		768		-	-
Seasonal efficiency (according to EN14825) Heating (Average climate)	Energy label	A+						-	-
	Pdesign	kW	6.00	7.60				-	-
	SCOP		4.01	4.15		4.01		-	-
	Annual energy consumption	kWh	2,095	2,564		2,653		-	-
Nominal efficiency	Nominal EER	3.43	3.35		3.23		3.06		
	Nominal COP	3.92	3.67		3.63		3.4		
Indoor	Power Supply	Ph/Hz/V	1/50/220-240						
	ESP (Nom/High)	Pa	30 - 150						
	Air Flow (Nom)	CFM	530	919		1024			
	Sound Pressure Level (High/Nom./Low)	dB(A)	30/28/25	34/32/30		37/35/32			
	Dimension (HxWxD)	mm	245x1,000x800		245x1,400x800				
	Net Weight	kg	35	46					
Outdoor	Power Supply	Ph/Hz/V	1~/50/220-240		3N~/50/380-415	1~/50/220-240	3N~/50/380-415	1~/50/220-240	3N~/50/380-415
	Sound Pressure Level	dB(A)	49	53		54		53	
	Dimension (HxWxD)	mm	770x900x320		990x940x320			1,430x940x320	
	Net Weight	kg	67	72	82	74	82	95	101
	Operation range - Cooling Ambient Min.~Max.	°CDB	-15~46						
	Operation range - Heating Ambient Min.~Max.	°CWB	-15~15.5						
	Pipe Connection - Liquid	in	3/8						
	Pipe Connection - Gas	in	5/8						
	Max. Piping Length	m	50						
	Max. Elevation	m	15	30					
	Compressor Type		Hermetical Sealed Swing compressor						
	Refrigerant Type - GWP		R-410A - 2,087.5						
	Refrigerant Charge - Eq. CO ₂ Emissions	kg/TCO ₂ eq	2.75/5.7		2.9/6.1			4.0/8.4	

EER/COP according to Eurovent 2012, for use outside EU only | Contains fluorinated greenhouse gases | MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)

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