

FCQG-F/FCQHG-F/FXFQ-A

Round flow cassette



Unique functions that help saving costs

- › Daikin was the first to launch a cassette using the roundflow principle with sensors* and a unique auto-cleaning panel*.

... Energy efficient as no other

- › The auto-cleaning panel* means:
 - Running costs are reduced by 50% compared with standard solutions thanks to automatic daily filter cleaning
 - Less time is required to maintain the filter: dust can easily be removed with a vacuum cleaner without opening the unit
- › Thanks to the presence and floor sensors* the unit changes its setpoint or switches off completely, if there are no people present in the room, resulting in energy savings of up to 27%.

... And improved comfort

- › 360° air flow discharge pattern
- › The presence sensor* directs the air away from anyone detected in the room
- › The floor sensor* detects the average floor temperature and ensure an even temperature distribution between the ceiling and the floor. Cold feet are history!

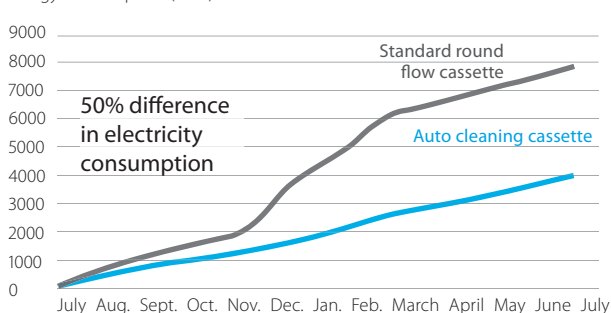
Flexible installation

- › Flaps can be individually controlled or closed using the wired remote control, to suit room configuration. Optional closure kits are also available.

References

Reference Wolverhampton, UK

Running costs were reduced with up to 50% compared to standard solutions thanks to daily filter cleaning.



Cumulative energy comparison over 12 months

Why choose Round flow cassette?

- 360° air discharge for optimum efficiency and comfort in shops, offices and restaurants
- Unique auto-cleaning panel

Marketing tools

- › Visit the website: www.daikineurope.com/minisite/round-flow-cassette/

Benefits for the installer

- › Product with unique functions in the market
- › Less time needed on site for maintenance
- › Use the controller to individually open or close any of the four flaps to easily adapt to a changing room layout
- › Easy set-up of the sensor option to improve comfort and save energy.

Benefits for the consultant

- › Product with unique functions in the market
- › Designed for use in all types and sizes of commercial offices and retail environments
- › Ideal product to improve BREEAM score/EPDB in combination with Sky Air Seasonal Smart or VRV IV heat pump units.

Benefits for the end user

- › Designed for use in all types and sizes of commercial offices and retail environments
- › Perfect environment conditions: no more cold draughts or cold feet
- › Save up to 50% on running costs with the auto-cleaning panel, which also facilitates maintenance
- › Save up to 27% on your energy bill thanks to the sensor option
- › Flexible usage of space thanks to individual flap control.

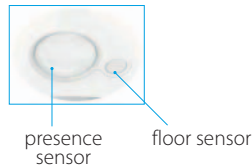
* available as an option



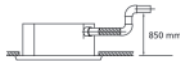
Round flow cassette

360° air discharge for optimum efficiency and comfort

- › Combination with split outdoor units is ideal for smaller applications such as retail or residential applications
- › Daily automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs.
- › Two optional intelligent sensors improve energy efficiency and comfort.
- › Individual flap control. Flexibility to suit every room layout without changing the location of the unit!



- › Lowest installation height in the market: 204mm for class 71
- › Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel
- › Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- › Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation is required
- › Standard drain pump with 850mm lift increases flexibility and installation speed



› No optional adapter needed for DIII-connection, link your unit into the wider building management system.

Efficiency data		FCQG + RXS	*35F + 35L3	50F + 50L	60F + 60L		
Cooling capacity	Min./Nom./Max.	kW	-/3.4/-	1.7/5.0/5.3	1.7/5.7/5.7		
Heating capacity	Min./Nom./Max.	kW	-/4.2/-	1.7/6.00/6.0	1.7/7.0/7.0		
Power input	Cooling	Nom.	0.95	1.410	1.640		
	Heating	Nom.	1.2	1.620	1.990		
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A++		A++		
		Pdesign	kW	3.40	5.00	5.70	
		SEER		6.35	6.48	6.22	
	Heating (Average climate)	Annual energy consumption	kWh	187	270	321	
		Energy label		A++	A++	A+	
		Pdesign	kW	3.32	4.36	4.71	
Nominal efficiency	EER	COP	SCOP	kWh	4.9	4.29	4.00
			Annual energy consumption	kWh	949	1,426	1,646
			Annual energy consumption	kWh	3.58	3.55	3.48
Energy label	Cooling	Heating					

Indoor unit		FCQG	35F	50F	60F
Dimensions	Unit	HeightxWidthxDepth	204x840x840		
Weight	Unit	kg	18	19	
Decoration panel	Model		BYCQ140D7W1 / BYCQ140D7W1W / BYCQ140D7GW1		
	Colour		Pure White (RAL 9010)		
	Dimensions	HeightxWidthxDepth	50x950x950 / 50x950x950 / 130x950x950		
Air filter	Type	Weight	5.4 / 5.4 / 10.3		
			Resin net with mold resistance		
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min	12.5/10.6/8.7	
				Heating	High/Nom./Low
Sound power level	Cooling	High/Nom./Low	dBA		
				Heating	High/Nom./Low
Sound pressure level	Cooling	High/Nom./Low	dBA		
				Heating	High/Nom./Low
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240		
Control systems	Infrared remote control		BRC7FA532F		
	Wired remote control		BRC1D52 / BRC1E52A/B		

Outdoor unit		RXS	*35L3	50L	60L
Dimensions	Unit	HeightxWidthxDepth	550x765x285	735x825x300	
Weight	Unit	kg	31.5	47	48
Sound power level	Cooling	High/Low	dBA	61	
				Heating	High/Low
Sound pressure level	Cooling	High/Low	dBA		
				Heating	High/Low
Operation range	Cooling	Ambient	Min.-Max.		
				Heating	Ambient
Refrigerant	Type/Charge/GWP	kg	R-410A / - / 2,087.5		
			Piping connections	Liquid	OD
Gas	OD	mm			
			Piping length	OU - IU	Max.
Additional refrigerant charge	Level difference	IU - OU			
			Power supply	Phase / Frequency / Voltage	Hz / V
Current - 50Hz	Maximum fuse amps (MFA)	A			
			1~ / 50 / 220-240		

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only (2) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load