DAIKIN

SkyAir

Round flow cassette

FCQG-F

INVERTER

ROUND FLOW

Optional Presence & floor Sensor

Home leave operation

Optional Auto-cleaning filter

Draught prevention

Individual flap control

Drain Pump Kit

360° air discharge for optimum efficiency and comfort

› The round flow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners

› Lowest installation height in the market: 204mm for class 71

› Individual flap control: flexibility to suit every room layout without changing the location of the unit!

› Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel

› Daily automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
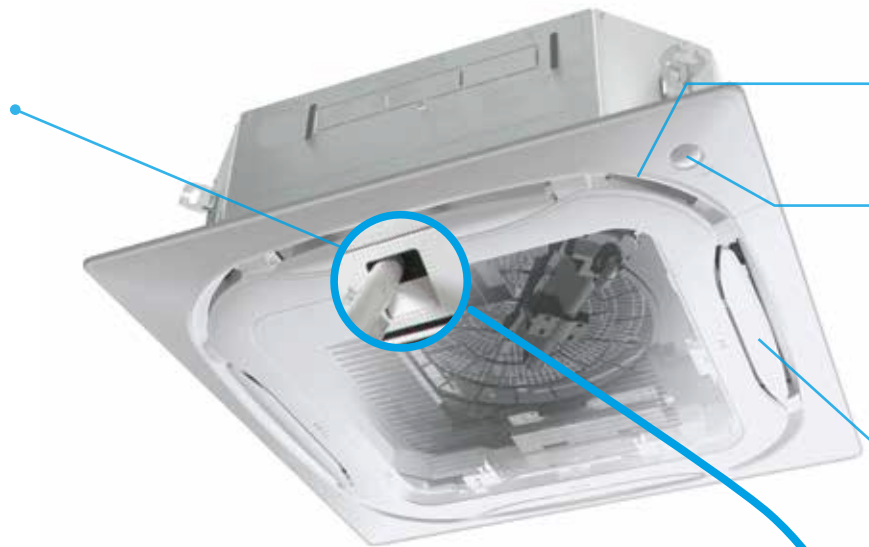
FCQG-F

Auto cleaning cassette

More energy efficient and user-friendly than any other cassette

› Running costs are reduced
  by 50% compared with standard solutions
› Automatic filter cleaning.
› Less time is required to maintain the filter:
  dust can be removed easily with a vacuum cleaner
  without opening the unit.

Finer mesh panel

› For dust prone areas (i.e. clothing and book shops)
  a finer mesh panel (BYCQ140DGF) ensures
  consistent performance and optimum air
  distribution
› Clean ceilings ensured thanks to fine mesh and
  clean filter

BYCQ140DG	BYCQ140DGF
Auto-cleaning panel	auto-cleaning panel with fine mesh filter
White with grey louvers	White with grey louvers

Auto-cleaning cassette for maintaining the optimum store atmosphere

Dust can be removed easily with a vacuum cleaner without opening the unit.

Air distribution with a clean filter

Air distribution with a dusty filter

References

Coral shop, UK
Running costs were reduced
by up to 50% compared
with standard solutions
thanks to clean filter

Energy consumption
(kWh)

Up to 50% savings
thanks to
automated cleaning

Standard round
flow cassette

Auto cleaning cassette

9000
8000
7000
6000
5000
4000
3000
2000
1000
0

Cumulative energy comparison over 12 months →

July   Aug.   Sept.   Oct.   Nov.   Dec.   Jan.   Feb.   March   April   May   June   July

Why choose a round flow cassette?

- 360° air discharge for optimum comfort
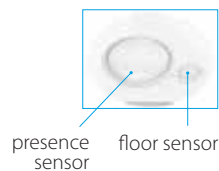
- Intelligent sensors for maximum efficiency

360° air discharge for improved comfort

› Industry-first and proven design.

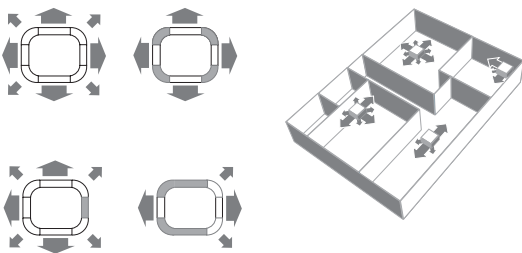## Intelligent sensors improve efficiency and comfort even more

› The presence sensor adjusts the set point if no one is detected in the room leading to up to 27% savings. It also automatically directs air flow away from any person to avoid draught.

presence sensor   floor sensor

› The infrared floor sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor to prevent cold feet.

Flexible installation

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

Benefits for the installer
› Product with unique functions in this market.
› Less time needed for onsite 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 this market.
› Designed for use in all types and sizes of commercial offices and retail environments.
› Ideal product for improving BREEAM score/EPBD 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 draughts or cold feet.
› Save up to 50% on running costs with the auto-cleaning panel, which also facilitates maintenance.
› Your customers can save up to 27% on their energy bills thanks to the sensor option.
› Flexible use of space thanks to individual flap control.

Indoor Model Name			FCQG35F	FCQG50F	FCQG60F	FCQG71F	FCQG100F	FCQG100F	FCQG125F	FCQG125F	FCQG140F	FCQG140F
Outdoor Model Name			RXS35L3	RXS50L	RXS60L	RZQSG71L3V1	RZQSG100L9V1	RZQSG100L8Y1	RZQSG125L9V1	RZQSG125L8Y1	RZQSG140L9V1	RZQSG140LY1
Cooling Capacity (Min. / Nom. / Max)		kBtu/hr	4.4/11.6/13.7	5.8/17.1/18.1	5.8/19.5/19.5	10.9/23.2/27.3	17/32.5/38.2		19.4/41/47.8		21.1/45.8/52.5	
		kW	1.3/3.4/4.0	1.7/5.0/5.3	1.7/5.7/5.7	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	4.4/14.3/17.8	5.8/20.5/20.5	5.8/23.9/23.9	25.612/25.6/30.7	17.4/36.5/43.7		20.5/46.1/54.6		21.1/52.9/61.4	
		kW	1.3/4.20/5.2	1.7/6.00/6.0	1.7/7.0/7.0	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	4.02	6.6	7.8	9.9	13.5	4.8	17.5	6.3	20.9	7.5
Nominal Running Current at 220V (Heating)		A	5.4	7.6	9.3	9.7	14.3	5.1	18.6	6.7	21.3	7.7
Seasonal efficiency (according to EN14825) Cooling	Energy label		A++						A		–	–
	Pdesign	kW	3.50	5.00	5.70	6.80	9.50		12.00		–	–
	SEER		6.35	6.48	6.22	6.10	6.50		5.30		–	–
	Annual energy consumption	kWh	193	270	321	390	512		793		–	–
Seasonal efficiency (according to EN14825) Heating (Average climate)	Energy label		A++			A+					–	–
	Pdesign	kW	3.32	4.36	4.71	6.33	7.60		8.03		–	–
	SCOP		4.90	4.29	4.00	4.10	4.10		4.01		–	–
	Annual energy consumption	kWh	949	1,426	1,646	2,162	2,596		2,804		–	–
Nominal efficiency	Nominal EER		3.74	3.55	3.48	3.21	3.3		3.21		3.01	
	Nominal COP		3.50	3.70	3.52	3.61	3.54		3.41			
Indoor	Panel Model and Color		BYCQ140D7W1 / Pure White (RAL 9010) with grey louvers									
			BYCQ140D7W1W / Pure White (RAL 9010)									
			BYCQ140D7GW1 / Pure White (RAL 9010) / Auto Cleaning Panel									
	Panel Dimensions HxWxD	mm	50x950x950									
	Panel Net Weight	kg	5.40									
	Power Supply	Ph/Hz/V	1~/50/220-240									
	Air Flow (Nom)	CFM	374	378	395	427	621		678			
	Sound Pressure Level (High/Nom./Low)	dBA	31/29/27		33/31/28		37/33/29		41/35/29			
	Dimension (HxWxD)	mm	204x840x840			246x840x840						
	Net Weight	kg	18	19		21	24					
Outdoor	Power Supply	Ph/Hz/V	1~/50/220-240					3N~/50/380-415	1~/50/20-240	3N~/50/380-415	1~/50/220-240	3N~/50/380-415
	Sound Pressure Level	dBA	48		49		53		54		53	
	Dimension (HxWxD)	mm	550x765x285	735x825x300		770 x900x320	990 x940x320				1,430 x940x320	
	Net Weight	kg	34	47	48	67	72	82	74	82	95	101
	Operation range - Cooling Ambient Min.~Max.	°CDB	-10~46			-15.0~46						
	Operation range - Heating Ambient Min.~Max.	°CWB	-15~18			-15~15.5						
	Pipe Connection Liquid	in	1/4			3/8						
	Pipe Connection Gas	in	3/8	1/2		5/8						
	Max. Piping Length	m	20	30		50						
	Max. Elevation	m	15	20		15	30					
	Compressor Type		Hermetical Sealed Swing compressor									
	Refrigerant Type - GWP		R-410A/2,087.5									
	Refrigerant Charge - Eq. CO₂ Emissions	kg/TCO₂eq	1.2/2.5	1.7/3.5	1.5/3.1	2.75/5.7	2.9/6.1				4.0/8.4	

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