

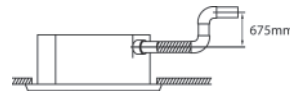
Round flow cassette

360° air discharge for optimum efficiency and comfort

Combination with Seasonal Smart ensures best in class quality, highest efficiency and performance

- › 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
- › 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)
- › Two optional intelligent sensors improve energy efficiency and comfort.

- › No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- › Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- › Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- › Optional fresh air intake
- › Standard drain pump with 675mm lift increases flexibility and installation speed



Efficiency data		FCQG + RZQG		71F + 71L9V1	100F + 100L9V1	125F + 125L9V1	140F + 140L9V1	71F + 71L8Y1	100F + 100L8Y1	125F + 125L8Y1	140F + 140LY1	
Cooling capacity	Nom.	kW		6.8	9.5	12.0	13.4	6.8	9.5	12.0	13.4	
Heating capacity	Nom.	kW		7.5	10.8	13.5	15.5	7.5	10.8	13.5	15.5	
Power input	Cooling	Nom.	kW	2.01	2.45	3.22	-	2.01	2.45	3.22	4.17	
	Heating	Nom.	kW	1.89	2.60	3.72	-	1.89	2.60	3.72	4.30	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A++		A+		A++		A+		
		Pdesign	kW	6.80	9.50	12.00	-	6.80	9.5	12	-	
		SEER		6.72	6.80	6.00	-	6.72	6.8	6	-	
	Heating (Average climate)	Annual energy consumption		kWh	355	489	700	-	355	489	700	-
		Energy efficiency class			A+		A+		A+		A+	
		Pdesign	kW	6.33	11.30	12.66	-	6.33	11.3	12.66	-	
Nominal efficiency	EER	COP		3.97	4.15	3.63	3.61	3.97	4.15	3.63	3.61	
		Annual energy consumption		kWh	1,005 (1)	1,225 (1)	1,610 (1)	-	1,005 (1)	1,225 (1)	1,610 (1)	-
	Energy labeling Directive	Cooling/Heating		A/A		-		A/A		-		
Indoor unit		FCQG		71F	100F	125F	140F	71F	100F	125F	140F	
Dimensions	Unit	HeightxWidthxDpeth		204x840x840		246x840x840		204x840x840		246x840x840		
Weight	Unit	kg		21		24		21		24		
Decoration panel	Model	BYCQ140DGF - auto cleaning panel with fine mesh filter / BYCQ140DG - auto cleaning panel / BYCQ140DW - full white / BYCQ140D - white with grey louvers										
	Colour	Pure White (RAL 9010)										
	Dimensions	HeightxWidthxDpeth		130x950x950 / 130x950x950 / 50x950x950 / 50x950x950								
Air filter	Type	Resin net with mold resistance										
	Fan - Air flow rate	Cooling	High/Low	m ³ /min	15.0/9.1	22.8/12.4	26.0/12.4	15.0/9.1	22.8/12.4	26.0/12.4	26.0/12.4	
Sound power level	Cooling	High/Low	dBA	51	54	58	51	54	58	58		
	Heating	High/Low	dBA	51	54	58	51	54	58	58		
Sound pressure level	Cooling	High/Low	dBA	33/28	37/29	41/29	33/28	37/29	41/29	41/29		
	Heating	High/Low	dBA	33/28	37/29	41/29	33/28	37/29	41/29	41/29		
Control systems	Infrared remote control		BRC7FA532F									
	Wired remote control		BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C									
Power supply	Phase / Frequency / Voltage		Hz / V		1~ / 50 / 220-240							
Outdoor unit		RZQG		71L9V1	100L9V1	125L9V1	140L9V1	71L8Y1	100L8Y1	125L8Y1	140LY1	
Dimensions	Unit	HeightxWidthxDpeth		990x940x320		1,430x940x320		990x940x320		1,430x940x320		
Weight	Unit	kg		69		95		80		101		
Sound power level	Cooling	dBA		64		66		64		66		
	Heating	dBA		50		51		50		51		
Sound pressure level	Cooling	Nom.	dBA	48		50		48		50		
	Heating	Nom.	dBA	50		52		50		52		
Operation range	Night quiet mode	Level 1	dBA	43		45		43		45		
	Cooling	Ambient	Min.-Max.	°CDB		-15~-50		-15~-50		-15~-50		
Refrigerant	Heating	Ambient	Min.-Max.	°CWB		-20~-15.5		-20~-15.5		-20~-15.5		
	Type	R-410A										
Piping connections	Charge	kg		2.9		4.0		2.9		4.0		
	GWP	TCO ₂ eq		6.1		8.4		6.1		8.4		
	Liquid	OD	mm	2,087.5								
	Gas	OD	mm	9.52								
Power supply	Piping length	OU - IU	Max.	m		50		50		75		
	System	Equivalent	m	70		90		70		90		
	Chargeless	m	30									
	Additional refrigerant charge	kg/m	See installation manual									
Current - 50Hz	Level difference	IU - OU	Max.	m								
	Phase / Frequency / Voltage	Hz / V		1~ / 50 / 220-240				3N~ / 50 / 380-415				
Maximum fuse amps (MFA)	A		25		40		16		25			

(1) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel. (2) EER/COP according to Eurovent 2012, for use outside EU only | The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt. (3) 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.