



High COP, round flow cassette

360° air discharge for optimum efficiency and comfort

- › Combination with Seasonal Smart ensures best in class quality, highest efficiency and performance
- › High COP cassette ensures top performance, great savings in energy consumption and a comfortable environment for commercial applications
- › Unified indoor unit range for R-32 and R-410A
- › 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.
- › 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
- › 5 different fan speeds available for maximum comfort
- › Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- › Optional fresh air intake



- › Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- › Standard drain pump with 675mm lift increases flexibility and installation speed

Efficiency data		FCAHG + RZQG	71G + 71L9V1	100G + 100L9V1	125G + 125L9V1	140G + 140L9V1	71G + 71L8Y1	100G + 100L8Y1	125G + 125L8Y1	140G + 140L8Y1	
Cooling capacity	Nom.	kW	6.80	9.50	12.0	13.4	6.80	9.50	12.0	13.4	
Heating capacity	Nom.	kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5	
Power input	Cooling	Nom. kW	1.66	2.15	3.00	4.00	1.66	2.15	3.00	4.00	
	Heating	Nom. kW	1.56	2.16	3.07	3.77	1.56	2.16	3.07	3.77	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class	A++		-	-	A++		-	-	
		Pdesign	kW	6.80	9.50	12.0	-	6.80	9.50	12.0	-
		SEER		6.91	7.00	6.61	-	6.91	7.00	6.61	-
	Heating (Average climate)	Annual energy consumption	kWh	345	475	636	-	345	475	636	-
		Energy efficiency class		A+	A++		-	A+	A++		-
		Pdesign	kW	7.60	11.30	12.66	-	7.60	11.30	12.66	-
Nominal efficiency	SCOP/A		4.54	4.80	4.63	-	4.54	4.80	4.63	-	
	Annual energy consumption	kWh	2,344	3,296	3,829	-	2,344	3,296	3,829	-	
	EER		4.09	4.42	4.00	3.35	4.09	4.42	4.00	3.35	
COP			4.80	4.99	4.40	4.12	4.80	4.99	4.40	4.12	
	Annual energy consumption	kWh	830	1,075	1,500	-	830	1,075	1,500	-	
Energy labeling Directive		Cooling/Heating	A/A		-/-	-/-	A/A		-/-	-/-	

Indoor unit			FCAHG	71G	100G	125G	140G	71G	100G	125G	140G	
Dimensions	Unit	HeightxWidthxDepth	mm	288x840x840								
Weight	Unit		kg	25								
Air filter	Type			Resin net								
Decoration panel	Model			BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BYCQ140DW - full white / BYCQ140D - white with grey louvers								
		Colour		Pure White (RAL 9010)								
Dimensions	Unit	HeightxWidthxDepth	mm	130x950x950 / 130x950x950 / 50x950x950 / 50x950x950								
Weight	Unit		kg	10.3 / 10.3 / 5.4 / 5.4								
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	12.2/16.7/21.2	19.0/25.7/32.3	19.9/26.7/33.5	21.1/27.3/33.5	12.2/16.7/21.2	19.0/25.7/32.3	19.9/26.7/33.5	21.1/27.3/33.5
		Heating	Low/Medium/High	m³/min	12.2/16.7/21.2	19.0/25.7/32.3	19.9/26.7/33.5	21.1/27.3/33.5	12.2/16.7/21.2	19.0/25.7/32.3	19.9/26.7/33.5	21.1/27.3/33.5
Sound power level	Cooling		dBA	53		61		53		61		
	Heating		dBA	53		61		53		61		
Sound pressure level	Cooling	Low/High	dBA	29/36	33/44	35/45	37/45	29/36	33/44	35/45	37/45	
	Heating	Low/High	dBA	29/36	33/44	35/45	37/45	29/36	33/44	35/45	37/45	
Control systems	Infrared remote control			BRC7FA532F								
	Wired remote control			BRC1H51 / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52								
Power supply	Phase/Frequency/Voltage	Hz/V		1~/50/60/220-240/220								

Outdoor unit			RZQG	71L9V1	100L9V1	125L9V1	140L9V1	71L8Y1	100L8Y1	125L8Y1	140L8Y1
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	Unit		kg	69	95			80	101		
Sound power level	Cooling		dBA	64	66	67	69	64	66	67	69
	Heating	Nom.	dBA	48	50	51	52	48	50	51	52
Sound pressure level	Cooling	Nom.	dBA	50	52	53		50	52	53	
	Heating	Nom.	dBA	50	52	53		50	52	53	
Operation range	Cooling	Ambient	Min.~Max.	-15~50							
	Heating	Ambient	Min.~Max.	-20~-15.5							
Refrigerant	Type/GWP			R-410A/2,087.5							
	Charge	kg/CO2Eq		2.9/6.1	4.0/8.4			2.9/6.1	4.0/8.4		
Piping connections	Liquid/Gas		mm	9.52/15.9							
	Piping length	OU - IU	Max.	50	75			50	75		
	System	Equivalent	m	70	90			70	90		
	Chargeless		m	30							
	Additional refrigerant charge		kg/m	See installation manual							
Power supply	Level difference	IU - OU	Max.	30.0							
	Phase/Frequency/Voltage	Hz/V		1~/50/220-240				3N~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)	A	25	40			16	25			

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. | BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel. | 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.