

High COP, round flow cassette

First R-32 BLUEEVOLUTION light commercial range available in Europe

- › Industry leading technology extended with R-32
- › 68% lower GWP compared to R-410A products
- › 10% lower refrigerant charge compared to R-410A equivalent
- › Over 5% more efficient in cooling compared to R-410A equivalent
- › Duty rotation control (via BRC1E53A/B/C)
- › Power saving mode can be set to 70% or 40% of the demand (via BRC1E53A/B/C)
- › 5 different fan speeds available
- › Includes all R-410A high COP round flow cassette features



Industry first!

Efficiency data		FCAHG + RZAG	71F + 71LV1	100F + 100LV1	125F + 125LV1	140F + 140LV1	
Cooling capacity	Nom.	kW	6.8	9.5	12.0	13.4	
Heating capacity	Nom.	kW	7.5	10.8	13.5	15.5	
Power input	Cooling	Nom. kW	1.66	2.15	3.00	4.00	
	Heating	Nom. kW	1.56	2.16	3.07	3.77	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++		-	
		Pdesign	kW	6.80	9.50	12.00	-
		SEER			7.35 (1)	6.94 (1)	-
	Heating (Average climate)	Annual energy consumption	kWh	324	452	605	-
		Energy label		A+		A++	-
		Pdesign	kW	5.65	9.13	9.52	-
Nominal efficiency	EER	SCOP/A	4.54 (1)	4.64 (1)	4.63 (1)	-	
		Annual energy consumption	kWh	1,743	2,753	2,879	-
		COP		4.09	4.42	4.00	3.35
Annual energy consumption	Energy label	Cooling/Heating	830	1,075	1,500	2,000	
					A/A		

Indoor unit		FCAHG		71F	100F	125F	140F
Dimensions	Unit	HeightxWidthxDepth	mm	288x840x840			
Weight	Unit		kg	25.0		26.0	
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)				
Weight	Dimensions	HeightxWidthxDepth	mm	130x950x950 / 130x950x950 / 50x950x950 / 50x950x950			
				kg	10 / 10.3 / 5.4 / 5.4		
Air filter	Type	Resin net					
Fan - Air flow rate	Cooling	High/Low	m ³ /min	21.2/12.2	32.3/19.0	33.5/19.9	33.5/21.1
		High/Low	m ³ /min	21.2/12.2	32.3/19.0	33.5/19.9	33.5/21.1
Sound power level	Cooling		dB(A)	53		61	
		Heating		dB(A)	53		61
Sound pressure level	Cooling	High/Low	dB(A)	36/29	44/33	45/35	45/37
		High/Low	dB(A)	36/29	44/33	45/35	45/37
Control systems	BRC7FA532F						
	BRC1D52 / BRC1E53A/B/C						
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50/60 / 220-240				

Outdoor unit		RZAG		71LV1	100LV1	125LV1	140LV1
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320	1,430x940x320		
Weight	Unit		kg	67	64	93	
Sound power level	Cooling		dB(A)			66	67
Sound pressure level	Cooling	Nom.	dB(A)	48	49	51	52
		Nom.	dB(A)	50	51		
Operation range	Night quiet mode	Level 1	dB(A)	43		45	
		Cooling	Ambient Min.-Max. °CDB			-15~50	
Refrigerant	Heating	Ambient Min.-Max. °CWB				-20~15.5	
		Type				R-32	
Piping connections	Charge		kg	2.6		3.4	
			TCO _{2eq}	1.8		2.3	
			GWP			675	
Piping connections	Liquid	OD	mm			9.52	
		Gas	OD	mm			15.9
	Piping length	OU - IU	Max. m	55		85	
		System	Equivalent Chargeless m	75		100	
	Additional refrigerant charge	Level difference IU - OU	Max. kg/m			30	
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50/60 / 220-240				
Current - 50Hz	Maximum fuse amps (MFA)	A					

(1) EER/COP according to Eurovent 2012, for use outside EU only (2) Contains fluorinated greenhouse gases