



# High COP, round flow cassette

360° air discharge for optimum efficiency and comfort

- High COP cassette ensures top performance and great energy savings
- Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter
- Two optional intelligent sensors improve energy efficiency and comfort
- NEW** Widest choice ever in decoration panels: Designer, standard and autocleaning panels in white (RAL9010) and black (RAL9005)
- NEW** Bigger flaps improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- 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 + RZAG	71H + 71MV1	100H + 100MV1	125H + 125MV1	140H + 140MV1	71H + 71MY1	100H + 100MY1	125H + 125MY1	140H + 140MY1	
Cooling capacity	Nom.	kW		6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4	
Heating capacity	Nom.	kW		7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5	
Space cooling	Energy efficiency class			A++		-		A++		-		
	Capacity	Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4	
	SEER			7.72	7.35	8.02	7.93	7.72	7.35	8.02	7.93	
	ηs,c		%	-	-	318	314	-	-	318	314	
	Annual energy consumption		kWh/a	308	452	905	1,014	308	452	905	1,014	
Space heating (Average climate)	Energy efficiency class			A++		-		A++		-		
	Capacity	Pdesign	kW	4.70	-	9.52	-	4.70	-	9.52	-	
	SCOP/A			4.61	4.81	4.53	4.44	4.61	4.81	4.53	4.44	
	ηs,h		%	-	-	178	175	-	-	178	175	
	Annual energy consumption		kWh/a	1,427	2,771	2,942	3,002	1,427	2,771	2,942	3,002	
<b>Indoor unit</b>			<b>FCAHG</b>	<b>71H</b>	<b>100H</b>	<b>125H</b>	<b>140H</b>	<b>71H</b>	<b>100H</b>	<b>125H</b>	<b>140H</b>	
Dimensions	Unit	HeightxWidthxDepth	mm	288x840x840								
Weight	Unit		kg	25								
Air filter	Type			Resin net								
Decoration panel	Model			Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels (F = fine mesh): BYCQ140EG(F) - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black								
	Dimensions	HeightxWidthxDepth	mm	Standard panels: 50x950x950 / Auto cleaning panels: 130x950x950 / Designer panels: 50x950x950								
	Weight		kg	Standard panels: 5.4 / Auto cleaning panels: 10.3 / Designer panels: 5.4								
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /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	m <sup>3</sup> /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				BRC1H519W/S/K, BRC1E53A/B/C, BRC1D52							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220								
<b>Outdoor unit</b>			<b>RZAG</b>	<b>71MV1</b>	<b>100MV1</b>	<b>125MV1</b>	<b>140MV1</b>	<b>71MY1</b>	<b>100MY1</b>	<b>125MY1</b>	<b>140MY1</b>	
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320			
Weight	Unit		kg	70	92			70	92			
Sound power level	Cooling			dBA	64	66	69	70	65	66	69	70
		Heating		dBA	-	-	69	70	-	-	69	70
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51	46	47	50	51
		Heating	Nom.	dBA	49	51	52		49	51	52	
Operation range	Cooling	Ambient	Min.-Max.	°CDB	-20~-52							
		Ambient	Min.-Max.	°CWB	-20~-18.0							
Refrigerant	Type/GWP			R-32/675								
	Charge		kg/TCO2Eq	2.95/1.99	3.75/2.53			2.95/1.99	3.75/2.53			
Piping connections	Liquid/Gas	OD	mm	952/15.9								
	Piping length	OU - IU	Max.	m	55	85			55	85		
		System	Equivalent	m	75	100			75	100		
			Chargeless	m	40							
		Additional refrigerant charge		kg/m	See installation manual							
	Level difference	IU - OU	Max.	m	30.0							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240				3~/50/380-415				
Current - 50Hz	Maximum fuse amps (MFA)		A	20	32			16				

(1) 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.