

# Round flow cassette

360° air discharge for optimum efficiency and comfort

- › Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- › Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs
- › 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!
- › Lowest installation height in the market: 214mm for class 20-63
- › Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- › Bigger flaps and unique swing pattern improve equal air distribution
- › 5 different fan speeds available for maximum comfort
- › UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, odours, allergens, etc ensuring a healthy and hygienic indoor environment
- › 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

**NEW**



More details and final information can be found by scanning or clicking the QR codes.



FCAG-B



RZAG-A



RZAG-NV1



RZAG-NY1

Efficiency data		FCAG + RZAG											
			35B+35A	50B+50A	60B+60A	71B+71NV1	100B+100NV1	125B+125NV1	140B+140NV1	71B+71NY1	100B+100NY1	125B+125NY1	140B+140NY1
Cooling capacity	Min./Nom./Max.	kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-
Heating capacity	Min./Nom./Max.	kW	1.40/4.00/5.00	1.50/5.80/6.00	1.60/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
Space cooling	Energy efficiency class		A++										
	Capacity Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER		7.30	6.80	6.60	6.83	7.14	7.15	6.80	6.83	7.14	7.15	6.80
	ηs,c	%	-										
Space heating (Average climate)	Annual energy consumption	kWh/a	168	257	318	348	466	1,016	1,182	348	466	1,016	1,182
	Energy efficiency class		A+										
	Capacity Pdesign	kW	3.30	4.30	4.60	4.70	7.80	9.52	4.70	7.80	9.52	4.70	7.80
	SCOP/A		4.30		4.25	4.22	4.53	4.34	4.22	4.53	4.34	4.22	4.53
	ηs,h	%	-										
	Annual energy consumption	kWh/a	1,074	1,398	1,515	1,560	2,413	3,071	3,071	1,560	2,413	3,071	3,071

Indoor unit		FCAG												
			35B	50B	60B	71B	100B	125B	140B	71B	100B	125B	140B	
Dimensions	Unit	HeightxWidthxDepth	204x840x840			246x840x840			204x840x840		246x840x840			
Weight	Unit	kg	18	19	21	23			21	23				
Air filter	Type		Resin net											
Decoration panel	Model		Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black											
	Dimensions	HeightxWidthxDepth	Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950											
Fan	Weight	kg	Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5											
	Air flow rate	Cooling Low/Medium/High m³/min	8.8/10.6/12.9	9.4/11.8/14.6	9.6/12.2/14.9	10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2	10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2	10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2
Sound power level	Heating Low/Medium/High m³/min	9.4/11.6/14.1	9.4/11.8/14.6	9.6/12.2/14.9	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0	
	Cooling dBA	49.0	49.0	51.0	54.0	58.0	51.0	54.0	58.0	51.0	54.0	58.0	51.0	
Sound pressure level	Heating dBA	49.0	49.0	51.0	54.0	58.0	51.0	54.0	58.0	51.0	54.0	58.0	51.0	
	Cooling Low/Medium/High dBA	27.0/29.0/31.0	28.0/31.0/33.0	28.0/31.0/33.0	29.0/33.0/37.0	29.0/35.0/41.0	28.0/31.0/33.0	29.0/33.0/37.0	29.0/35.0/41.0	28.0/31.0/33.0	29.0/33.0/37.0	29.0/35.0/41.0	29.0/35.0/41.0	
Control systems	Heating Low/Medium/High dBA	27.0/29.0/31.0	28.0/31.0/33.0	28.0/31.0/33.0	29.0/33.0/37.0	29.0/35.0/41.0	28.0/31.0/33.0	29.0/33.0/37.0	29.0/35.0/41.0	28.0/31.0/33.0	29.0/33.0/37.0	29.0/35.0/41.0	29.0/35.0/41.0	
	Infrared remote control		BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB											
	Wired remote control		BRC1H52W/S/K / BRCIE53A / BRCIE53B / BRCIE53C / BRC1D52											
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/60/220-240/220											

Outdoor unit		RZAG/RZAG/RZAG												
			35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1	
Dimensions	Unit	HeightxWidthxDepth	734x870x373			870x1,100x460								
Weight	Unit	kg	52			81	85	95		81	85	94		
Sound power level	Cooling dBA	62.0	63.0	64.0	64	66	69	70	64	66	69	70		
	Heating dBA	62.0	63.0	64.0	-	-	68	71	-	-	68	71		
Sound pressure level	Cooling Nom. dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50		
	Heating Nom. dBA	48.0	49.0	50.0	48	50	52		48	50	52			
Operation range	Cooling Ambient Min.~Max. °CDB	-20 ~ 52												
	Heating Ambient Min.~Max. °CWB	-20 ~ 24												
Refrigerant	Type/GWP	R-32/675.0												
	Charge	kg/CO2Eq	1.55/1.05			3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50		
Piping connections	Liquid/Gas OD	mm	6.35/9.52		6.35/12.7		9.52/15.9							
	Piping OU - IU	m	50		55		85		55		85			
	System Equivalent	m	-		75		100		75		100			
	Chargeless	m	30		30		40							
	Additional refrigerant charge	kg/m	0.02 (for piping length exceeding 30m)											
	Level difference IU - OU Max.	m	30.0											
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240											
Current - 50Hz	Maximum fuse amps (MFA)	A	-			20		32		3~/50/380-415		16		

Contains fluorinated greenhouse gases

# Round flow cassette

360° air discharge for optimum efficiency and comfort

- › Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- › Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- › Two optional intelligent sensors improve energy efficiency and comfort
- › Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- › Bigger flaps and unique swing pattern improve equal air distribution
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, odours, allergens, etc ensuring a healthy and hygienic indoor environment
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FCAG-B



RZASG-MV1



RZASG-MY1

Efficiency data		FCAG + RZASG		71B + 71MV1	100B + 100MV1	125B + 125MV1	140B + 140MV1	100B + 100MY1	125B + 125MY1	140B + 140MY1			
Cooling capacity	Nom.	kW		6.80	9.50	12.1	13.4	9.50	12.1	13.4			
Heating capacity	Nom.	kW		7.50	10.8	13.5	15.5	10.8	13.5	15.5			
Space cooling	Energy efficiency class		A++										
	Capacity	Pdesign	kW		6.80	9.50	12.1	13.4	9.50	12.1	13.4		
	SEER				6.47	6.55	5.76	6.53	6.55	5.76	6.53		
	ηs,c		%		-	-	227	258	-	227	258		
Space heating	Annual energy consumption		kWh/a		368	507	1,261	1,231	507	1,261	1,231		
	Energy efficiency class		A+										
	Capacity	Pdesign	kW		4.50	6.00	7.80	7.80	6.00	7.80			
	SCOP/A				4.10	4.17	4.05	4.31	4.17	4.05	4.31		
	ηs,h		%		-	-	159	169	-	159	169		
	Annual energy consumption		kWh/a		1,537	2,016	2,074	2,534	2,016	2,074	2,534		
<b>Indoor unit</b>		<b>FCAG</b>		<b>71B</b>	<b>100B</b>	<b>125B</b>	<b>140B</b>	<b>100B</b>	<b>125B</b>	<b>140B</b>			
Dimensions	Unit	HeightxWidthxDepth		mm		204x840x840							
Weight	Unit	kg		21		23							
Air filter	Type	Resin net											
Decoration panel	Model	Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black											
	Dimensions	HeightxWidthxDepth	mm		Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950								
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	10.8 / 13.0 / 15.1		13.0 / 17.8 / 22.7		13.1 / 20.4 / 27.2		13.1 / 20.4 / 27.2		
					Heating	Low/Medium/High	m³/min	10.8 / 12.9 / 15.1		13.2 / 18.1 / 23.0		13.0 / 20.2 / 27.0	
Sound power level	Cooling	dBA	51.0					54.0		58.0		54.0	
			Heating	dBA	51.0		54.0		58.0		54.0		58.0
Sound pressure level	Cooling	Low/Medium/High			dBA	28.0 / 31.0 / 35.0		29.0 / 33.0 / 37.0		29.0 / 35.0 / 41.0		29.0 / 33.0 / 37.0	
			Heating	Low/Medium/High		dBA	28.0 / 31.0 / 33.0		29.0 / 33.0 / 37.0		29.0 / 35.0 / 41.0		29.0 / 33.0 / 37.0
Control systems		Infrared remote control Wired remote control BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52											
Power supply		Phase/Frequency/Voltage		Hz/V 1~/50/60/220-240/220									
<b>Outdoor unit</b>		<b>RZASG</b>		<b>71MV1</b>	<b>100MV1</b>	<b>125MV1</b>	<b>140MV1</b>	<b>100MY1</b>	<b>125MY1</b>	<b>140MY1</b>			
Dimensions	Unit	HeightxWidthxDepth		mm		770x900x320							
Weight	Unit	kg		60		70		78		70			
Sound power level	Cooling	dBA	65		70		71		70		73		
			Heating	dBA	-		71		73		71		73
Sound pressure level	Cooling	Nom.			dBA	46		53		54		53	
			Heating	Nom.		dBA	47		-		57		-
Operation range	Cooling	Ambient			Min.-Max.		°CDB		-15 ~46				
			Heating	Ambient		Min.-Max.	°CWB		-15 ~15.5				
Refrigerant		Type/GWP			R-32/675								
Piping connections	Charge	kg/TCO2Eq	2.45 / 1.65		2.60 / 1.76		2.90 / 1.96		2.60 / 1.76		2.90 / 1.96		
			Liquid/Gas OD		mm		9.52 / 15.9						
	Piping length	OU - IU	Max.	m		50							
				System	Equivalent	m		70					
	Chargeless	m	m			30							
			Additional refrigerant charge		kg/m		See installation manual						
Level difference		IU - OU		Max.		m							
Power supply		Phase/Frequency/Voltage		Hz/V									
Current - 50Hz		Maximum fuse amps (MFA)		A		20		25		32		32	

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