

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- > Combination with Sky Air advance-series ensures good value for money for all types of commercial applications
- > Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- > Low operation sound level down to 25dBA
- > Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume

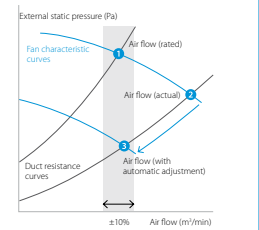


Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature. Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



Efficiency data		FBA + RZASG	71A9 + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 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++	A+			A+			
	Capacity	Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	
	SEER		6.19	5.83	5.49	5.81	5.83	5.49	5.81	
	ηs,c		%	-	-	217	229	-	217	229
Space heating (Average climate)	Annual energy consumption		kWh/a	385	570	1,322	1,384	570	1,322	1,384
	Energy efficiency class			A+	A		A			
	Capacity	Pdesign	kW	4.50		6.00	7.80	6.00	7.80	
	SCOP/A		4.01	3.85	3.63	3.85	3.63	3.85	3.63	
	ηs,h		%	-	-	142	151	-	142	151
Annual energy consumption		kWh/a	1,571	2,182	2,314	2,836	2,182	2,314	2,836	

Indoor unit		FBA	71A9	100A	125A	140A	100A	125A	140A		
Dimensions	Unit	HeightxWidthxDepth	245x1,000x800			245x1,400x800					
Weight	Unit		35.0			46.0					
Air filter	Type		Resin net								
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min		12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0
		Heating	Low/Medium/High	m³/min		12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0
	External static pressure	Nom./High	Pa		30/150	40/150	50/150		40/150	50/150	
Sound power level	Cooling		dBA	56.0	58.0	62.0		58.0	62.0		
Sound pressure level	Cooling	Low/High	dBA	25.0/30.0	30.0/34.0	32.0/37.0		30.0/34.0	32.0/37.0		
	Heating	Low/High	dBA	25.0/31.0	30.0/36.0	32.0/38.0		30.0/36.0	32.0/38.0		
Control systems	Infrared remote control		BRC4C65 / BRC4C66								
	Wired remote control		BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52								
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/60/220-240/220								

Outdoor unit		RZASG/RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1	
Dimensions	Unit	HeightxWidthxDepth	770x900x320			990x940x320				
Weight	Unit		60	70	78	70	71	77		
Sound power level	Cooling		dBA	65	70	71	73	70	71	73
	Heating		dBA	-	-	71	73	-	71	73
Sound pressure level	Cooling	Nom.	dBA	46	53	54	53	54		
	Heating	Nom.	dBA	47		57				
Operation range	Cooling	Ambient	Min.~Max.	-15~-46						
	Heating	Ambient	Min.~Max.	-15~-15.5						
Refrigerant	Type/GWP		R-32/675							
Piping connections	Charge		kg/CO2Eq	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						
	System	Equivalent	m	70						
	Chargeless		m	30						
Additional refrigerant charge	Level difference	IU - OU	Max.	m						
	Phase/Frequency/Voltage	Hz/V	1~/50/220-240			3~/50/380-415				
	Current - 50Hz	Maximum fuse amps (MFA)	A	20	25	32	16			