

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- > Ideal solution for small businesses and shops
- > 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
- > Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- > Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- > Optional fresh air intake
- > Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



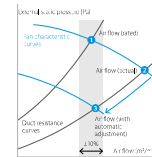
- > Standard built-in drain pump with 625mm lift increases flexibility and installation speed

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



NEW

Efficiency data			FBA + AZAS	71A9 + ARXM71N9	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1	
Cooling capacity	Nom.	kW	6.80	9.50	12.1	13.4	13.4	9.50	12.1	13.4	
Heating capacity	Nom.	kW	7.50	10.8	13.5	15.5	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	13.0	9.50	12.1	13.0	
	SEER		5.57	5.25	4.85	5.50	5.25	5.25	4.85	5.50	
	ηs,c	%	-	-	191	217	217	-	191	217	
	Annual energy consumption		kWh/a	-	633	1,497	1,418	633	1,497	1,418	
Space heating (Average climate)	Energy efficiency class		A	A	-	-	-	A	-	-	
	Capacity	Pdesign	kW	4.50	6.00	7.80	7.80	6.00	7.80	7.80	
	SCOP/A		3.81	3.81	3.55	3.85	3.81	3.81	3.55	3.85	
	ηs,h	%	-	-	139	151	151	-	139	151	
	Annual energy consumption		kWh/a	-	2,205	2,366	2,836	2,205	2,366	2,836	
Indoor unit			FBA	71A9	100A	125A	140A	100A	125A	140A	
Dimensions	Unit	HeightxWidthxDepth	mm	245x1,000x800	245x1,400x800						
Weight	Unit		kg	35.0	46.0						
Air filter	Type			Resin net	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	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	23.5/29.0 / 34.0	
	External static pressure	Nom./High	Pa	30/150	40/150	50/150	40/150	40/150	50/150		
Sound power level	Cooling		dBA	56	58	62	58	58	62		
Sound pressure level	Cooling	Low/High	dBA	25.0/30.0	30.0/34.0	32.0/37.0	30.0/34.0	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	30.0/36.0	32.0/38.0		
Control systems	Infrared remote control			BRC4C65 / BRC4C66	BRC4C65 / BRC4C66						
	Wired remote control			BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52	BRC1H519W/S/K / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/160/220-240/220	1~/50/60/220-240/220						
Outdoor unit			AZAS/AZAS	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1	
Dimensions	Unit	HeightxWidthxDepth	mm	734x870x373	990x940x320						
Weight	Unit		kg	50	70	78	78	70	71	77	
Sound power level	Cooling		dBA	65	70	71	73	70	71	73	
	Heating		dBA	65	-	71	73	-	71	73	
Sound pressure level	Cooling	Nom.	dBA	52	53	54	54	53	54		
	Heating	Nom.	dBA	52	-	-	-	57	-		
Operation range	Cooling	Ambient Min.~Max.	°CDB	-10~46	-5~46						
	Heating	Ambient Min.~Max.	°CWB	-15~24	-15~15.5						
Refrigerant	Type/GWP			R-32/675	R-32/675						
	Charge		kg/TCO2Eq	-	2.60/1.76	2.90/1.96	2.90/1.96	2.60/1.76	2.90/1.96		
Piping connections	Liquid/Gas	OD	mm	9.52/15.9	9.52/15.9						
	Piping length	OU - IU	Max.	m	-	30					
		System Equivalent		m	-	50					
		Chargeless		m	-	30					
	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	1~/50/220-240			3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)		A	-	25	32	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.

*Note: blue cells contain preliminary data