

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- › 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



Efficiency data			FBA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A	71A9 + 71NV1	100A + 100NV1	125A + 125NV1	140A + 140NV1	71A9 + 71NY1	100A + 100NY1	125A + 125NY1	140A + 140NY1	
Cooling capacity	Min./Nom./Max.	kW	1.6/3.5/5.0	1.7/5.0/6.0	1.7/6.0/7.0	-/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	1.70/6.00/6.00	1.70/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-		
Space cooling	Energy efficiency class		A++				-				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			6.12	6.30	6.15	6.22	6.47	6.19	6.42	6.22	6.47	6.19	6.42	
	ηs,c		%	-				245				254			
	Annual energy consumption		kWh/a	200	278	341	382	514	1,173	1,252	382	514	1,173	1,252	
Space heating	Energy efficiency class		A+				-				A+				
(Average climate)	Capacity	Pdesign	kW	4.20	4.30	4.50	4.70	7.80	9.52		4.70	7.80	9.52		
	SCOP/A			4.10				4.20	4.36	4.12	4.11	4.20	4.36	4.12	4.11
	ηs,h		%	-				162				161			
	Annual energy consumption		kWh/a	1,434	1,469	1,537	1,566	2,505	3,235	3,243	1,566	2,505	3,235	3,243	
Indoor unit			FBA	35A9	50A9	60A9	71A9	100A	125A	140A					
Dimensions	Unit	HeightxWidthxDepth	mm	245x700x800			245x1,000x800			245x1,400x800					
Weight	Unit		kg	28.0			35.0			46.0					
Air filter	Type			Resin net											
Fan	Air flow rate	Cooling	Low/Medium/High	10.5/12.5/15.0			12.5/15.0/18.0			23.0/26.0/29.0			23.5/29.0/34.0		
		Heating	Low/Medium/High	10.5/12.5/15.0			12.5/15.0/18.0			23.0/26.0/29.0			23.5/29.0/34.0		
	External static pressure	Nom./High	Pa	30/150			40/150			50/150					
Sound power level	Cooling		dBa	60.0			56.0			58.0			62.0		
Sound pressure level	Cooling	Low/High	dBa	29.0/35.0			25.0/30.0			30.0/34.0			32.0/37.0		
	Heating	Low/High	dBa	29.0/37.0			25.0/31.0			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			RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1	
Dimensions	Unit	HeightxWidthxDepth	mm	734x870x373				870x1,100x460							
Weight	Unit		kg	52			81	85	95		81	85	94		
Sound power level	Cooling		dBa	62.0	63.0	64.0		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				-20~18			
Refrigerant	Type/GWP			R-32/675.0											
	Charge		kg/TCO2Eq	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	64/9.50		64/12.7		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	0.02 (for piping length exceeding 30m)				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	16		20		32		16					

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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	13.4
Heating capacity	Nom.	kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5	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	13.4
	SEER		6.19	5.83	5.49	5.81	5.83	5.49	5.81	5.81
	ηs,c		%	-	-	217	229	-	217	229
	Annual energy consumption	kWh/a	385	570	1,322	1,384	570	1,322	1,384	1,384
Space heating (Average climate)	Energy efficiency class		A+	A			A			
	Capacity	Pdesign	kW	4.50	6.00	7.80	6.00	7.80	6.00	7.80
	SCOP/A		4.01	3.85	3.63	3.85	3.63	3.85	3.63	3.85
	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	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						
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	50/150		
Sound power level	Cooling		dB(A)	56.0	58.0	62.0	58.0	62.0		
Sound pressure level	Cooling	Low/High	dB(A)	25.0/30.0	30.0/34.0	32.0/37.0	30.0/34.0	32.0/37.0		
	Heating	Low/High	dB(A)	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	mm	770x900x320	990x940x320					
Weight	Unit		kg	60	70	71	73	70	71	77
Sound power level	Cooling		dB(A)	65	70	71	73	70	71	73
	Heating		dB(A)	-	-	71	73	-	71	73
Sound pressure level	Cooling	Nom.	dB(A)	46	53	54	54	53	53	54
	Heating	Nom.	dB(A)	47			57			
Operation range	Cooling	Ambient	Min.~Max.	-15~-46						
	Heating	Ambient	Min.~Max.	-15~-15.5						
Refrigerant	Type/GWP			R-32/675						
	Charge	kg/TCO2Eq		2.45/1.65	2.60/1.76	2.90/1.96	2.60/1.76	2.90/1.96	2.90/1.96	2.90/1.96
Piping connections	Liquid/Gas	OD	mm	9.52/15.9						
	Piping length	OU - IU	Max.	50						
		System	Equivalent	70						
			Chargeless	30						
		Additional refrigerant charge		See installation manual						
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240						
Current - 50Hz	Maximum fuse amps (MFA)		A	20	25	32		3	3	16

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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
- › Reduced energy consumption thanks to specially developed DC fan motor
- › 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

Efficiency data		FBA	71A9 / ARXM71N9	100A + AZAS100MV1	125A + AZAS125MV1	140A + AZAS140MV1	100A + AZAS100MY1	125A + AZAS125MY1	140A + AZAS140MY1	
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	13.0	9.50	12.1	13.0
	SEER			5.57	5.25	4.85	5.50	5.25	4.85	5.50
	ηs,c		%	-	-	191	217	-	191	217
	Annual energy consumption		kWh/a	427	633	1,497	1,418	633	1,497	1,418
Space heating (Average climate)	Energy efficiency class		A							
	Capacity	Pdesign	kW	4.50	6.00	7.80	6.00	7.80	8.00	
	SCOP/A			3.81	3.55	3.85	3.81	3.55	3.85	
	ηs,h		%	-	139	151	-	139	151	
	Annual energy consumption		kWh/a	1,652	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						
Fan	Air flow rate	Cooling	Low/Medium/High	m ³ /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	m ³ /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		dB(A)	56.0	58.0	62.0	58.0	62.0		
	Heating	Low/High	dB(A)	25.0/30.0	30.0/34.0	32.0/37.0	30.0/34.0	32.0/37.0		
Sound pressure level	Heating	Low/High	dB(A)	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			ARXM71N9	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1	
Dimensions	Unit	HeightxWidthxDepth	mm	734x870x373	990x940x320					
Weight	Unit		kg	50.0	70	71	78	70	77	
Sound power level	Cooling		dB(A)	65	70	71	73	70	71	73
	Heating		dB(A)	65	-	71	73	-	71	73
Sound pressure level	Cooling	Nom.	dB(A)	52	53	54	53	54		
	Heating	Nom.	dB(A)	52			57			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		-5~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~-18		-15~-15.5			
Refrigerant	Type/GWP			R-32/675						
	Charge	kg/TCO2Eq		1.15/0.78	2.60/1.76	2.90/1.96	2.60/1.76	2.90/1.96		
Piping connections	Liquid/Gas	OD	mm	9.52/15.9						
	Piping length	OU - IU	Max.	30						
		System	Equivalent	50						
			Chargeless	30						
	Additional refrigerant charge		kg/m	0.035 (for piping length exceeding 10m)	See installation manual					
	Level difference	IU - OU	Max.	20						
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240					3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)	A	-	25	32		16			