

# 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
- > 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



with multi zoning option

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



FBA-A(9)



ARXM-R



AZAS-MV1



AZAS-MY1

Efficiency data		FCAG + ARXM / AZAS		71A9 + ARXM71R	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	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	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	-	-	-	A	-	-
	Capacity	Pdesign	kW	4.50	6.00	-	7.80	6.00	7.80	-
	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
<b>Indoor unit</b>		<b>FBA</b>		<b>71A9</b>	<b>100A</b>	<b>125A</b>	<b>140A</b>	<b>100A</b>	<b>125A</b>	<b>140A</b>
Dimensions	Unit	HeightxWidthxDepth	mm	245x1,000x800	245x1,400x800					
Weight	Unit		kg	35.0	46.0					
Air filter	Type			Resinnet						
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	23.0/26.0/29.0
		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	23.0/26.0/29.0
	External static pressure	Nom./High		Pa	30/150	40/150	50/150	40/150	50/150	50/150
Sound power level	Cooling			dB(A)	56.0	58.0	62.0	58.0	62.0	62.0
Sound pressure level	Cooling	Low/Medium/High		dB(A)	25.0/28.0/30.0	30.0/32.0/34.0	32.0/35.0/37.0	30.0/32.0/34.0	32.0/35.0/37.0	32.0/35.0/37.0
	Heating	Low/Medium/High		dB(A)	25.0/28.0/31.0	30.0/33.0/36.0	32.0/35.0/38.0	30.0/33.0/36.0	32.0/35.0/38.0	32.0/35.0/38.0
Control systems	Infrared remote control				BRC4C65 / BRC4C66					
	Wired remote control				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>ARXM71R</b>		<b>AZAS100MV1</b>	<b>AZAS125MV1</b>	<b>AZAS140MV1</b>	<b>AZAS100MY1</b>	<b>AZAS125MY1</b>	<b>AZAS140MY1</b>	
Dimensions	Unit	HeightxWidthxDepth	mm	734x954x401	990x940x320					
Weight	Unit		kg	49.0	70	78	70	70	77	
Sound power level	Cooling	Nom.	dB(A)	-	70	71	73	71	73	
	Heating	Nom.	dB(A)	-	-	71	73	71	73	
Sound pressure level	Cooling	Nom.	dB(A)	52.0	53	54	53	53	54	
	Heating	Nom.	dB(A)	52.0	-	57	-	57	-	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-	-5~46	-	-15~46	
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-	-15~18	-	-15~18	
Refrigerant	Type/GWP				R-32/675					
	Charge		kg/TCO2Eq	1.15/0.780	2.60/1.76	2.90/1.96	2.60/1.76	2.90/1.96	2.90/1.96	
Piping connections	Liquid/Gas OD		mm	9.52/15.9						
	Piping length	OU - IU	m	30						
		System	m	-	50					
		Equivalent Chargeless	m	-	30					
	Additional refrigerant charge		kg/m	0.035	See installation manual					
	Level difference IU - OU	Max.	m	20.0	30.0					
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50 /220-240						
Current - 50Hz	Maximum fuse amps (MFA)		A	-	25	32	-	16	-	

Contains fluorinated greenhouse gases

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- > Combination with split outdoor units is ideal for small retail, offices and residential 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
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**Optimised supply air volume**  
Automatically selects the most appropriate fan speed 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

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



Efficiency data		FBA + RXM	35A9 + 35R9	50A9 + 50R	60A9 + 60R		
Cooling capacity	Nom.	kW	3.40	5.00	5.70		
Heating capacity	Nom.	kW	4.00	5.50	7.00		
Space cooling	Energy efficiency class		A++				
	Capacity	Pdesign	kW	3.40	5.00	5.70	
	SEER			6.23	6.27	5.91	
	Annual energy consumption		kWh/a	191	279	336	
Space heating (Average climate)	Energy efficiency class		A+				
	Capacity	Pdesign	kW	2.90	4.40	4.60	
	SCOP/A			4.07	4.06	4.01	
	Annual energy consumption		kWh/a	996	1,517	1,607	
Indoor unit		FBA	35A9	50A9	60A9		
Dimensions	Unit	HeightxWidthxDepth	mm	245x700x800		245x1,000x800	
Weight	Unit		kg	28.0		35.0	
Air filter	Type			Resin net			
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min		10.5/12.5/15.0	12.5/15.0/18.0
		Heating	Low/Medium/High	m³/min		10.5/12.5/15.0	12.5/15.0/18.0
	External static pressure	Nom./High	Pa	30/150			
Sound power level	Cooling		dBA	60.0		56.0	
Sound pressure level	Cooling	Low/Medium/High	dBA	29.0/32.0/35.0		25.0/28.0/30.0	
	Heating	Low/Medium/High	dBA	29.0/34.0/37.0		25.0/28.0/31.0	
Control systems	Infrared remote control			BRC4C65 / BRC4C66			
	Wired remote control			BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52			
Power supply	Phase/Frequency/Voltage	Hz/V		1~/50/60/220-240/220			
Outdoor unit		RXM	35R9	50R	60R		
Dimensions	Unit	HeightxWidthxDepth	mm	552x840x350		734x870x373	
Weight	Unit		kg	32		49.0	
Sound pressure level	Cooling	Nom.	dBA	49.0		48.0	
	Heating	Nom.	dBA	49.0			
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10 ~50/46	
	Heating	Ambient	Min.~Max.	°CWB		-20~24	
Refrigerant	Type			R-32			
	GWP			675		675.0	
	Charge		kg/TCO2Eq	0.76/0.52		1.15/0.780	
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	9.52		12.7	
	Piping length	OU - IU	Max.	m	20		30
		System	Chargeless	m	10		-
	Additional refrigerant charge		kg/m		0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m	15		20.0
Power supply	Phase/Frequency/Voltage	Hz/V		1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)	A		-		16	

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