

Aquami Monoblock heat pump

AQM80X1 [R14]







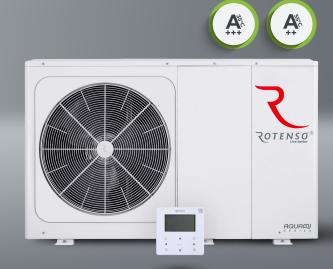














Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C A++



Maximum COP 5,15



Operating range down to -25°C



Supply water temperature of 65°C



Integrated USB port for updates



Energy



Smart Grid



Twin rotary



Integrated electric



Outdoor unit drip tray heater



Compressor crankcase heater



Easy installation and maintenance



Silent



Wired controller Wi-Fi module



Configurable daily schedules



Configurable weekly schedules



Vacation mode



Menu in English



Multilanguage menu



Integrated temperature sensor



Weather operating modes (climate curve)



2 heating control zones



Dedicated application



Disinfection



DHW circulation pump operation schedules



Maximum leaving water temperature of 60°C (in DHW mode)



Prepared to create a cascade system



Specification outdoor unit

				AQM80X1 R14
Model EAN Code				
			I =	5905567602191
Power supply		V-Hz, Ø	220-240-50, 1f	
Heating	Capacity		kW	8,40
(A7/W35)	Rated input		kW	1,63
	COP			5,15
	Capacity		kW	8,10
eating Rated input		kW	2,10	
(A7/W45)	COP			3.85
	Capacity		kW	7,50
Heating	Rated input		kW	2,36
(A7/W55)	COP		KIT	3,18
	Capacity		kW	
Cooling				8,30
(A35/W18)	Rated input		kW	1,64
	EER		_	5,05
Cooling	Capacity		kW	7,45
Cooling (A35/W7)	Rated input		kW	2,22
,755/477)	EER			3,35
	SCOP ⁽¹⁾			5,21
-	Rated heat output		kW	8,1
efficiency	Seasonal energy efficiency ratio (ηS)		96	205,6
LWT at 35°C	Annual energy consumption		kWh	3218
			KIVII	3210 A+++
	Seasonal space heating energy efficiency class (1) SCOP(1)			
				3,36
Deadorial ericity	Rated heat output		kW	6,60
efficiency	Seasonal energy efficiency ratio (ηS)		96	131,6
LWT at 55°C	Annual energy consumption		kWh	4054
	Seasonal space heating energy efficiency class ⁽¹⁾			A++
	LWT at 7°C			5,83
SEER LWT at 18°C				8,95
Maximum overcurren			A	32
				29
Minimum circuit amp:	JS (MCA)	_	A	
Compressor		Туре		Twin rotary inverter compressor DC
Fan		Туре		Brushless DC motor / BLDC
		Quantity		1
		Type / GWP		R32 / 675
Refrigerant			kg	1,4
		Quantity	TCO ₂ eq	0,95
Power cables: indoor unit			pcs × mm²	3×8
Bracket spacing		(W1×W2×D)	<u> </u>	656 x 363 x 488
Sound pressure level		dB(A)	48,5	
	1			59
Sound power level			dB(A)	
Net dimensions		(W×D×H)	mm	1385×526×865
		(W×D×H)	mm	1465×560×1035
Net weight / Gross weight		kg	110/137	
Operating outdoor			°C	-5~43
temperature	Heating		°C	-25~35
icinperature -	DHW		oC.	-25-43
Operation modes			Heating and cooling	
	Space cooling		°C	5-25
Leaving water temperature	Space heating		°C	25~65
	DHW (tank)		°C	30-60
	Power supply		V-Hz, Ø	220-240-50, 1f
Electric heater	Number of heating stages / Power		pcs / kW	1/3
Electric heater	Number of heating stages / Power Maximum operating current		A	13,5
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Electric heater	Number of heating stages / Power Maximum operating current		A	13,5
Electric heater	Number of heating stages / Power Maximum operating current Water connections		A mm (inch)	13,5 41,91mm (G5/4* BSP) external
Electric heater	Number of heating stages / Power Maximum operating current Water connections Pressure relief valve Condensate drain	Total volume / Actual volume	A mm (inch) MPa	13,5 41,91mm (G5/4* BSP) external 0.3 16
Electric heater	Number of heating stages / Power Maximum operating current Water connections Pressure relief valve	Total volume / Actual volume Maximum pressure / Initial pressure	A mm (inch) MPa mm	13,5 41,91mm (G5/4* BSP) external 0.3 16 8 / 4,8
Electric heater	Number of heating stages / Power Maximum operating current Water connections Pressure relief valve Condensate drain	Maximum pressure / Initial pressure	A mm (inch) MPa mm	13,5 41,91mm (G5/4* BSP) external 0.3 16 8 / 4/8 0.3 / 0,1
Electric heater	Number of heating stages / Power Maximum operating current Water connections Pressure relief valve Condensate drain	Maximum pressure / Initial pressure Type	A mm (inch) MPa mm I MPa	13,5 41,91mm (G5/4" BSP) external 0.3 16 8 / 4/8 0.3 / 0,1 PHE / plate heat exchanger
Electric heater	Number of heating stages / Power Maximum operating current Water connections Pressure relief valve Condensate drain Expansion tank Heat exchanger	Maximum pressure / Initial pressure	A mm (inch) MPa mm I MPa	13,5 41,91mm (G5,4" BSP) external 0.3 16 8 / 4,8 0.3 / 0,1 PHE / plate heat exchanger 6
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Notes: DHW – Domestic hot water, LWT – Leaving water temperature
The sound pressure level is measured 1 m in front of the unit and (1+H)2m (where H is the height of the unit) above the floor in semi-anechoic room. During on-site operation sound pressure levels can be higher as a result of ambient noise. Sound pressure level and sound power level reflect the maximum value tested under three conditions specified respectively in notes A7W35, ΔT=5; A7W45, ΔT=5; A7W55 ΔT=8; relative humidity 85%. The figures specified above refer to the following standards: EN14511; EN14825; EN50564; EN12102; (EU) Np. 811/2013; (EU) No. 813/2013; Journal of Laws 2014 / C 207/02: 2014.