

Aquami Monoblock heat pump

AQM100X1 [R14]







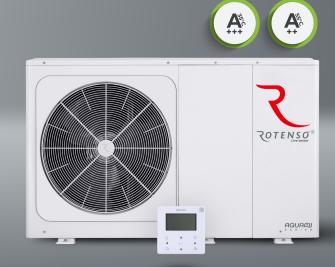














Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C A++



Maximum COP 4,95



Operating range down to -25°C



Supply water temperature of 65°C



Integrated USB port for updates



Energy



Smart Grid



Twin rotary compressor



Integrated electric



Outdoor unit drip tray heater



Compressor crankcase heater



Easy installation and maintenance



Silent mode



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



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

Model				AQM100X1 R14
EAN Code				5905567602207
Power supply			V-Hz, Ø	220-240~50, 1f
	Capacity		kW	10,00
Heating	Rated input		kW	2,02
(A7/W35)	COP			4,95
	Capacity		kW	10,00
Heating	Rated input		kW	2,67
(A7/W45)			KVV	
	COP			3,75
Heating	Capacity		kW	9,50
(A7/W55)	Rated input		kW	3,06
	COP			3,10
c :	Capacity		kW	9,90
Cooling (A35/W18)	Rated input		kW	2,18
(A33/W10)	EER			4,55
	Capacity		kW	8,20
Cooling	Rated input		kW	2,52
(A35/W7)	EER			3,25
	SCOP ⁽¹⁾			5,19
	Rated heat output		kW	9,2
Seasonal energy				
efficiency LWT at 35°C	Seasonal energy efficiency ratio (ηS)		96	204,8
LWI dt 53°C	Annual energy consumption		kWh	3644
	Seasonal space heating energy efficiency class ⁽¹⁾			A+++
	SCOP ⁽¹⁾			3,49
Seasonal energy	Rated heat output		kW	7,70
efficiency	Seasonal energy efficiency ratio (ηS)		96	135,7
LWT at 55°C	Annual energy consumption		kWh	4567
	Seasonal space heating energy efficiency class (1)		'	A++
	LWT at 7°C			5,98
SEER	LWT at 18°C			8,78
Mavimum ouncum	rent protection (MOP)		A	32
Minimum circuit am				30
	TIPS (MCA)	-	A	
Compressor Type Fan Quantity			Twin rotary inverter compressor DC	
			Brushless DC motor / BLDC	
				1
	Type / GWP			R32 / 675
Refrigerant		Our-site.	kg	1,4
		Quantity	TCO ₂ eq	0,95
Power cables: indoor unit			pcs × mm²	3×8
Bracket spacing		(W1×W2×D)		656 x 363 x 488
Sound pressure lev	vel		dB(A)	50,5
Sound power level			dB(A)	60
		(W×D×H)	mm	1385×526×865
Net dimensions		(WADAII)	111111	1303/320/003
Carra dia		044.5.15		14/50/50 +005
		(W×D×H)	mm	1465×560×1035
Gross dimensions Net weight / Gross	weight	(W×D×H)	kg	110/137
Net weight / Gross	weight	(W×D×H)	kg °C	110/137 -5-43
Net weight / Gross of Operating outdoor	Cooling Heating	(W×D×H)	kg °C	110/137 -5-43 -25-35
Net weight / Gross of Operating outdoor	weight	(WxDxH)	kg °C	110/137 -5-43
Net weight / Gross of Operating outdoor temperature	Cooling Heating	(W×D×H)	kg °C	110/137 -5-43 -25-35
Net weight / Gross of Operating outdoor temperature Operation modes	Cooling Heating	(W×D×H)	kg °C	110/137 -5-43 -25-35 -25-43
Net weight / Gross of Operating outdoor temperature Operation modes Leaving water	weight Cooling Heating DHW Space cooling	(W/-DxH)	kg °C °C	110/137 -5-43 -25-35 -25-43 Heating and cooling
Net weight / Gross of Operating outdoor temperature Operation modes Leaving water	weight Cooling Heating DHW Space cooling Space heating	(W×D×H)	kg °C °C	110/137 -5-43 -25-35 -25-43 Heating and cooling -5-25 -25-65
Net weight / Gross of Operating outdoor temperature Operation modes Leaving water	weight Cooling Heating DHW Space cooling Space heating DHW (tank)	(W×D×H)	kg °C °C °C	110/137 -5-43 -25-35 -25-43 Heating and cooling -5-25 -25-65 -30-60
Net weight / Gross of Operating outdoor temperature Operation modes Leaving water temperature	weight Cooling Heating DHW Space cooling Space heating DHW (tank) Power supply	(W×D×H)	kg °C °C °C °C V-Hz, Ø	110/137 .5-43 .25-35 .25-43 Heating and cooling .5-25 .25-65 .30-60 .220-240-50, 1f
Net weight / Gross of Operating outdoor temperature Operation modes Leaving water temperature	weight Cooling Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages / Power	(W/DxH)	kg eC eC eC eC eC eC eC e	110/137 -5-43 -25-35 -25-43 Heating and cooling 5-25 25-65 30-60 220-240-50,1f 1/3
Net weight / Gross of Operating outdoor temperature Operation modes Leaving water temperature	weight Cooling Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages / Power Maximum operating current	(W>DxH)	kg eC eC eC eC v-Hz, Ø pcs / kW A	110/137 -5-43 -25-35 -25-43 Heating and cooling 5-25 25-65 30-60 220-240-50, 1f 1/3 13,5
Net weight / Gross of Operating outdoor temperature Operation modes Leaving water temperature	weight Cooling Heating DHW Space cooling Space heating DHW(tank) Power supply Number of heating stages / Power Maximum operating current Water connections	(W>DxH)	kg 0C 0C 0C 0C 0C 0C 0C 0	110/137 -5-43 -25-35 -25-43 Heating and cooling -5-25 -25-65 -30-60 -220-240-50, 1f -1/3 -13,5 -41,91mm (GS/4* BSP) external
Net weight / Gross of Operating outdoor temperature Operation modes Leaving water temperature	weight Cooling Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages / Power Maximum operating current Water connections Pressure relief valve	(W/DxH)	kg eC eC eC eC v-Hz, Ø pcs / kW A	110/137 -5-43 -25-35 -25-43 Heating and cooling -5-25 -25-65 -30-60 -220-240-50, 1f -1/3 -13.5 -41,91mm (GS/4" BSP) external -5-43 -5-43 -5-45
Net weight / Gross of Operating outdoor temperature Operation modes Leaving water temperature	weight Cooling Heating DHW Space cooling Space heating DHW(tank) Power supply Number of heating stages / Power Maximum operating current Water connections	(W×D×H)	kg 0C 0C 0C 0C 0C 0C 0C 0	110/137 -5-43 -25-35 -25-43 Heating and cooling -5-25 -25-65 -30-60 -220-240-50, 1f -1/3 -13,5 -13,5 -13,91mm (GS/4* BSP) external
Net weight / Gross of Operating outdoor temperature Operation modes Leaving water temperature	weight Cooling Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages / Power Maximum operating current Water connections Pressure relief valve Condensate drain	(W×D×H) Total volume / Actual volume	kg eC eC eC eC eC eC eC e	110/137 -5-43 -25-35 -25-43 Heating and cooling -5-25 -25-65 -30-60 -220-240-50, 1f -1/3 -13.5 -41,91mm (GS/4* BSP) external -5-43 -5-43 -5-43 -5-45
Net weight / Gross v Operating outdoor temperature Operation modes Leaving water temperature Electric heater	weight Cooling Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages / Power Maximum operating current Water connections Pressure relief valve		kg	110/137 -5-43 -25-35 -25-43 Heating and cooling 5-25 25-65 30-60 220-240-50, 1f 1/3 13,5 41,91mm (S5/4* BSP) external 0.3 16
Net weight / Gross v Operating outdoor temperature Operation modes Leaving water temperature Electric heater	weight Cooling Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages / Power Maximum operating current Water connections Pressure relief valve Condensate drain Expansion tank	Total volume / Actual volume Maximum pressure / Initial pressure	kg eC eC eC eC eC eC eC e	110/137 -5-43 -25-35 -25-43 Heating and cooling -5-25 -25-65 -30-60 -220-240-50, 1f -1/3 -13,5 -41,91mm (c5/4" BSP) external -0.3 -16 -17,8 -18,9 -18,
Net weight / Gross v Operating outdoor temperature Operation modes Leaving water temperature Electric heater	weight Cooling Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages / Power Maximum operating current Water connections Pressure relief valve Condensate drain	Total volume / Actual volume Maximum pressure / Initial pressure Type	kg	110/137 -5-43 -25-35 -25-43 Heating and cooling -5-25 -25-65 -30-60 -220-240-50,1f -1/3 -13,5 -41,91mm (G5/4* BSP) external -0.3 -16 -8 1/48 -0.3 / 0.1 -17 PHE / plate heat exchanger
	weight Cooling Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages / Power Maximum operating current Water connections Pressure relief valve Condensate drain Expansion tank Heat exchanger	Total volume / Actual volume Maximum pressure / Initial pressure	kg ec	110/137 -5-43 -25-35 -25-43 Heating and cooling 5-25 25-65 30-60 220-240-50, 1f 1/3 13,5 41,91mm (G5/4" BSP) external 0.3 16 8 / 4,8 0.3 / 0,1 PHE / plate heat exchanger 6
Net weight / Gross v Operating outdoor temperature Operation modes Leaving water temperature Electric heater	weight Cooling Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages / Power Maximum operating current Water connections Pressure relief valve Condensate drain Expansion tank Heat exchanger Water pump head	Total volume / Actual volume Maximum pressure / Initial pressure Type	kg	110/137 -5-43 -25-35 -25-43 Heating and cooling 5-25 25-65 30-60 220-240-50, 1f 1/3 13.5 41,91mm (S5/4" BSP) external 0.3 16 8 / 4,8 0.3 / 0,1 PHE / plate heat exchanger 6 6
Net weight / Gross v Operating outdoor temperature Operation modes Leaving water temperature Electric heater	weight Cooling Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages / Power Maximum operating current Water connections Pressure relief valve Condensate drain Expansion tank Heat exchanger	Total volume / Actual volume Maximum pressure / Initial pressure Type	kg ec	110/137 -5-43 -25-35 -25-43 Heating and cooling 5-25 25-65 30-60 220-240-50, 1f 1/3 13,5 41,91mm (G5/4" BSP) external 0.3 16 8 / 4,8 0.3 / 0,1 PHE / plate heat exchanger 6

Notes: DHW – Domestic hot water, LWT – Leaving water temperature
The sound pressure level is measured 1m 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) Np. 813/2013; Journal of Laws 2014 / C 207/02: 2014.