

Aquami Big Mono heat pump

AQM300X3 ^[R14]



Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C A+++ ⁽¹⁾



Energy efficiency class at 55°C A++ ⁽¹⁾



Maximum COP 3,91



Operating range down to -25°C



Supply water temperature of 60°C



Integrated USB port for updates



Energy meter



Smart Grid functionality



Twin rotary compressor



Outdoor unit drip tray heater



Compressor crankcase heater



Easy installation and maintenance



Silent mode



Wired controller Wi-Fi module



Daily operation schedule



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



Modbus Protocol

Specification outdoor unit

Model			AQM300X3 R14
EAN Code			5905567602252
Power supply		V-Hz, Ø	380-420-50, 3f
Heating (A7/W35)	Capacity	kW	30,10
	Rated input	kW	7,70
	COP		3,91
Heating (A7/W45)	Capacity	kW	30,00
	Rated input	kW	10,35
	COP		2,90
Heating (A7/W55)	Capacity	kW	30,00
	Rated input	kW	13,04
	COP		2,30
Cooling (A35/W18)	Capacity	kW	31,00
	Rated input	kW	7,75
	EER		4,00
Cooling (A35/W7)	Capacity	kW	29,50
	Rated input	kW	11,57
	EER		2,55
Seasonal energy efficiency LWT at 35°C	SCOP ⁽¹⁾		4,20
	Rated heat output	kW	29
	Seasonal energy efficiency ratio (η _S)	%	165
	Annual energy consumption	kWh	14165
	Seasonal space heating energy efficiency class ⁽¹⁾		A++
Seasonal energy efficiency LWT at 55°C	SCOP ⁽¹⁾		3,15
	Rated heat output	kW	30
	Seasonal energy efficiency ratio (η _S)	%	123
	Annual energy consumption	kWh	19316
	Seasonal space heating energy efficiency class ⁽¹⁾		A+
SEER	LWT at 7°C		4,49
	LWT at 18°C		5,71
Maximum overcurrent protection (MOP)		A	32
Minimum circuit amps (MCA)		A	29
Compressor		Type	Twin rotary inverter compressor DC
Fan	Type		Brushless DC motor / BLDC
	Quantity		2
Refrigerant	Type / GWP		R32 / 675
	Quantity	kg	5
		TCO ₂ eq	3,375
Power cables: indoor unit		pcs × mm²	5 × 6
Bracket spacing		(W1×W2×D)	668 x 206 x 494
Sound pressure level		dB(A)	63,5
Sound power level		dB(A)	77
Net dimensions		(W×D×H)	1129×528×1558
Gross dimensions		(W×D×H)	1220×565×1735
Net weight / Gross weight		kg	177/206
Operating outdoor temperature	Cooling	°C	-5-46
	Heating	°C	-25-35
	DHW	°C	-25-43
Operation modes			Heating and cooling
Leaving water temperature	Space cooling		5-25
	Space heating		25-60
	DHW (tank)		30-60
Electric heater	Power supply		V-Hz, Ø
	Number of heating stages / Power		pcs / kW
	Maximum operating current		A
Water circuit	Water connections		mm (inch)
	Pressure relief valve		MPa
	Condensate drain		mm
	Expansion tank	Total volume / Actual volume	l
		Maximum pressure / Initial pressure	MPa
	Heat exchanger	Type	
		Minimum flow	l/min
	Water pump head		m
	Water pump type		
Total water volume		l	

(1) Seasonal energy efficiency class measured under average climate conditions.

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) No. 813/2013; Journal of Laws 2014 / C 207/02: 2014.