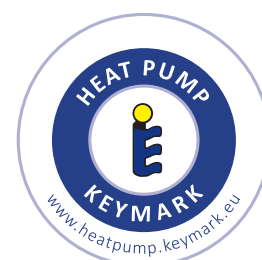
































Aquami Monoblock heat pump

AQM40X1 ^[R14]



Device features

							
Environmentally friendly refrigerant R32	Efficient heating	Energy efficiency class at 35°C A+++	Energy efficiency class at 55°C A++	Maximum COP 5,10	Operating range down to -25°C	Supply water temperature of 65°C	Integrated USB port for updates
							
Energy meter	Smart Grid functionality	Twin rotary compressor	Integrated electric heater	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 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

Model			AQM40X1 R14	
EAN Code			5905567602177	
Power supply		V-Hz, Ø	220-240-50, 1f	
Heating (A7/W35)	Capacity	kW	4,20	
	Rated input	kW	0,82	
	COP		5,10	
Heating (A7/W45)	Capacity	kW	4,30	
	Rated input	kW	1,13	
	COP		3,80	
Heating (A7/W55)	Capacity	kW	4,40	
	Rated input	kW	1,49	
	COP		2,95	
Cooling (A35/W18)	Capacity	kW	4,50	
	Rated input	kW	0,82	
	EER		5,50	
Cooling (A35/W7)	Capacity	kW	4,70	
	Rated input	kW	1,36	
	EER		3,45	
	SCOP ⁽¹⁾		4,85	
	Rated heat output	kW	5,5	
Seasonal energy efficiency LWT at 35°C	Seasonal energy efficiency ratio (η _S)	%	191	
	Annual energy consumption	kWh	2351	
	Seasonal space heating energy efficiency class ⁽¹⁾		A+++	
	SCOP ⁽¹⁾		3,31	
	Rated heat output	kW	4,40	
Seasonal energy efficiency LWT at 55°C	Seasonal energy efficiency ratio (η _S)	%	129,5	
	Annual energy consumption	kWh	2742	
	Seasonal space heating energy efficiency class ⁽¹⁾		A++	
	SEER		4,98	
	LWT at 7°C		7,76	
	LWT at 18°C		B25	
Minimum rated current of the overcurrent circuit breaker with breaker type		A		
Compressor		Type	Twin rotary inverter compressor DC	
Fan		Type	Brushless DC motor / BLDC	
		Quantity	1	
		Type / GWP	R32 / 675	
Refrigerant	Quantity	kg	1,4	
		TCO ₂ eq	0,95	
Minimal wire pcs and dimension of cords*		pcs × mm²	3 × 4	
Bracket spacing	(W1×W2×D)	mm	638 x 379 x 401	
Sound pressure level		dB(A)	45	
Sound power level		dB(A)	55	
Net dimensions	(W×D×H)	mm	1295×429×718	
Gross dimensions	(W×D×H)	mm	1375×475×885	
Net weight / Gross weight		kg	91/112	
Operating outdoor temperature	Cooling	°C	-5-43	
	Heating	°C	-25-35	
	DHW	°C	-25-43	
Operation modes			Heating and cooling	
Leaving water temperature	Space cooling	°C	5-25	
	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	
	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 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.

The residual current circuit breaker used to protect the electrical circuit of the appliance shall be selected in view of the electrical regulations in force, assuming that the rated residual current is not greater than I_{Δn}: 30mA

*The above values apply to supply cables with a maximum length of 20mb. If this value is exceeded, an electrical designer should be consulted.