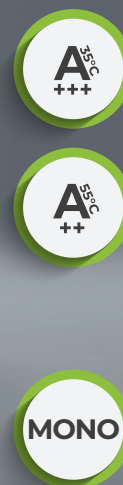
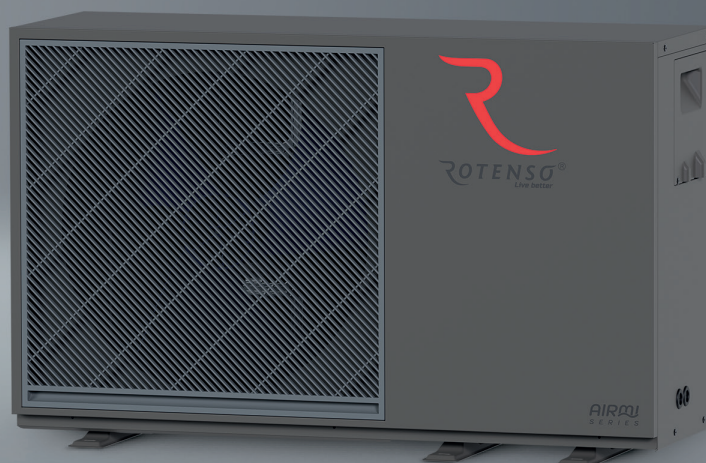


Airmi Monoblock heat pump

AIMB100X1 ^[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 5,01	Operating range down to -25°C	Supply water temperature of 65°C	Smart Grid functionality
Twin rotary compressor	Integrated electric heater	Outdoor unit drip tray heater	Compressor crankcase heater	Easy installation and maintenance	Silent mode	WiFi module in wired controller	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	Maximum leaving water temperature of 60°C (in DHW mode)	Prepared to create a cascade system	Modbus Protocol				

Specification outdoor unit

Model				AIMB100X1 R14	
EAN Code				5905567602436	
Power supply			V-Hz, Ø	220-240-50, 1f	
Heating (A7/W35)	Capacity		kW	10,20	
	Rated input		kW	2,04	
	COP			5,01	
Heating (A7/W45)	Capacity		kW	10,20	
	Rated input		kW	2,79	
	COP			3,65	
Heating (A7/W55)	Capacity		kW	9,60	
	Rated input		kW	3,22	
	COP			2,98	
Cooling (A35/W18)	Capacity		kW	10,10	
	Rated input		kW	2,42	
	EER			4,14	
Cooling (A35/W7)	Capacity		kW	8,80	
	Rated input		kW	2,97	
	EER			2,96	
Seasonal energy efficiency LWT at 35°C	SCOP ⁽¹⁾			4,86	
	Rated heat output		kW	9,2	
	Seasonal energy efficiency ratio (η _S)		%	206	
	Annual energy consumption		kWh	3617	
	Seasonal space heating energy efficiency class ⁽¹⁾			A+++	
Seasonal energy efficiency LWT at 55°C	SCOP ⁽¹⁾			3,51	
	Rated heat output		kW	7,70	
	Seasonal energy efficiency ratio (η _S)		%	139	
	Annual energy consumption		kWh	4453	
	Seasonal space heating energy efficiency class ⁽¹⁾			A++	
SEER	LWT at 7°C			4,66	
	LWT at 18°C			8,23	
Maximum overcurrent protection (MOP)			A	32	
Minimum circuit amps (MCA)			A	32	
Compressor		Type		Twin rotary inverter compressor DC	
Fan		Type		Brushless DC motor / BLDC	
		Quantity		1	
		Type		R32	
Refrigerant			GWP	675	
	Quantity		kg	1,5	
			TCO ₂ eq	1,013	
Outdoor unit wiring			pcs × mm ²	3 × 10	
Bracket spacing		(W1 × W2 × D)	mm	640×239×448	
Sound pressure level			dB(A)	46	
Sound power level			dB(A)	60	
Net dimensions		(W × D × H)	mm	1135 × 488 × 803	
Gross dimensions		(W × D × H)	mm	1260 × 488 × 982	
Net weight / Gross weight			kg	99 / 114	
Operating outdoor temperature	Cooling / Heating		°C	-5-43 / -25-35	
	DHW		°C	-25-43	
Operation modes				Heating and cooling	
Leaving water temperature	Space cooling		°C	7-25	
	Space heating		°C	25-65	
	DHW (tank)		°C	25-60	
Electric heater	Power supply		V-Hz, Ø	220-240-50, 1f	
	Number of heating stages		pcs	1	
	Power		kW	3	
	Maximum operating current			13,6	
Water circuit	Water connections		mm (inch)	Φ33 (1,30)	
	Pressure relief valve		MPa	0,5	
	Condensate drain		mm	Φ12,7	
	Expansion tank	Total volume	l	5	
		Actual volume	l	2	
		Maximum pressure	MPa	0,5	
		Initial pressure	MPa	0,15	
	Heat exchanger	Type		PHE / plate heat exchanger	
		Minimum flow	l/min	10	
	Water pump head			m	9
Water pump type				DC inverter	
Total water volume			l	1,01	

(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.