

Airmi Monoblock heat pump

AIMW60X1 [R14]







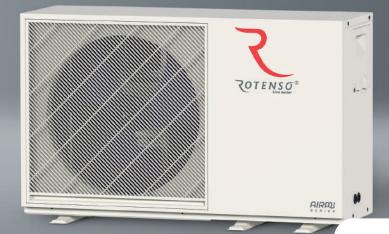


















Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C A++



Maximum COP 5,13



Operating range down to -25°C



Supply water temperature of 65°C



Smart Grid functionality



Twin rotary compressor



Integrated electric



Outdoor unit drip tray heater



Compressor crankcase heate



Easy installation



Silent



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				AIMW60X1 R14
EAN Code				5905567602412
Power supply			V-Hz, Ø	
Power Supply				220·240~50, 1f
Heating	Capacity		kW	6,00
(A7/W35)	Rated input		kW	1,17
(COP			5,13
	Capacity		kW	6,00
Heating	Rated input		kW	1,63
(A7/W45)	(A7/W45)			
				3,70
Heating	Capacity		kW	6,10
Heating (A7/W55)	Rated input		kW	2,13
(171133)	COP			2,86
	Capacity		kW	6,20
Cooling	Rated input		kW	1,26
(A35/W18)			KVV	
	EER			4,91
Cooling	Capacity		kW	6,30
Cooling (A35/W7)	Rated input		kW	1,99
(100/11/)	EER			3,14
	SCOP (1)			5,05
			kW	
Seasonal energy	Rated heat output			6,0
efficiency	Seasonal energy efficiency ratio (ηS)		96	199
LWT at 35°C	Annual energy consumption		kWh	2455
	Seasonal space heating energy efficiency class (1)			A+++
	SCOP (1)			3,52
5	Rated heat output		kW	5,80
Seasonal energy				
efficiency LWT at 55°C	Seasonal energy efficiency ratio (ηS)		96	138
LWI at 55°C	Annual energy consumption		kWh	3521
	Seasonal space heating energy efficiency class ⁽¹⁾			A++
	LWT at 7°C			5,27
SEER LWT at 18°C			8,77	
Minimum rated cur	rrent of the overcurrent circuit breaker wi	th breaker type	A	B32
	Trent of the overcurrent circuit breaker wi		_ ^	
Compressor Type			Twin rotary inverter compressor DC	
Fan		Туре		Brushless DC motor / BLDC
		Quantity		1
		Туре		R32
		GWP		675
Refrigerant		- Citi	kg	1,03
		Quantity		
			TCO ₂ eq	0,695
Minimal wire pcs an	Minimal wire pcs and dimension of cords*		pcs × mm²	3×6
Bracket spacing (W1 × W2 × D)			624 × 229 × 425	
	The difference of Columbia	(W1 × W2 × D)	mm	024 × 229 × 423
Sound pressure leve		(W1 × W2 × D)	mm dB(A)	45
Sound pressure leve	vel	(W1 × W2 × D)	dB(A)	45
Sound pressure level	vel		dB(A)	45 58
Sound pressure level Sound power level Net dimensions	vel	(W×D×H)	dB(A) dB(A) mm	45 58 1125×425×703
Sound pressure level Sound power level Net dimensions Gross dimensions	vel		dB(A) dB(A) mm mm	45 58 1125 × 425 × 703 1200 × 425 × 865
Sound pressure level Sound power level Net dimensions	vel	(W×D×H)	dB(A) dB(A) mm mm kg	45 58 1125×425×703 1200×425×865 80.5/95.5
Sound pressure level Sound power level Net dimensions Gross dimensions	vel s weight	(W×D×H)	dB(A) dB(A) mm mm	45 58 1125 × 425 × 703 1200 × 425 × 865
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v	vel s weight	(W×D×H)	dB(A) dB(A) mm mm kg	45 58 1125×425×703 1200×425×865 80.5/95.5
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v Operating outdoor temperature	vel weight Cooling / Heating	(W×D×H)	dB(A) dB(A) mm mm kg °C	45 58 1125 × 425 × 703 1200 × 425 × 865 80.5 / 95.5 -5-43 / -25-35
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v Operating outdoor	weight Cooling / Heating DHW	(W×D×H)	dB(A) dB(A) mm mm kg °C	45 58 1125 x 425 x 703 1200 x 425 x 865 80.5 / 95.5 -5-43 / 25-43 Heating and cooling
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v Operating outdoor temperature	weight Cooling / Heating DHW Space cooling	(W×D×H)	dB(A) dB(A) mm mm kg °C °C	45 58 1125 × 425 × 703 1120 × 425 × 865 80.5 / 9.5.5 -5-43 / -25-35 -25-43 Heating and cooling 7-25
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v Operating outdoor temperature Operation modes	weight Cooling / Heating DHW Space cooling Space heating	(W×D×H)	dB(A) dB(A) mm mm kg °C °C °C	45 58 1125 × 425 × 703 1120 × 425 × 865 80.5 / 95.5 -5-43 / -25-43 Heating and cooling 7-25 25-65
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v Operating outdoor temperature Operation modes Leaving water	weight Cooling / Heating DHW Space cooling	(W×D×H)	dB(A) dB(A) mm mm kg °C °C	45 58 1125 × 425 × 703 1120 × 425 × 865 80.5 / 95.5 -5-43 / -25-35 4-25-43 Heating and cooling 7-25 25-65 25-66
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v Operating outdoor temperature Operation modes Leaving water	weight Cooling / Heating DHW Space cooling Space heating	(W×D×H)	dB(A) dB(A) mm mm kg °C °C °C	45 58 1125 × 425 × 703 1120 × 425 × 865 80.5 / 95.5 -5-43 / -25-43 Heating and cooling 7-25 25-65
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v Operating outdoor temperature Operation modes Leaving water temperature	weight Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply	(W×D×H)	dB(A) dB(A) mm mm kg °C °C °C	45 58 1125 × 425 × 703 1120 × 425 × 865 80.5 / 95.5 -5-43 / -25-35 4-25-43 Heating and cooling 7-25 25-65 25-66
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v Operating outdoor temperature Operation modes Leaving water	weight Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages	(W×D×H)	dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs	45 58 1125 × 425 × 703 1120 × 425 × 865 80.5 / 95.5 80.5 / 95.5 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-65 25-60 220-240-50, If
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v 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×D×H)	dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs kW	45 58 1125 x 425 x 703 1200 x 425 x 865 80.5 / 95.5 -5-43 / 25-43 Heating and cooling 7-25 25-65 25-60 220-240-50, 1f 1 3
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v 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×D×H)	dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs kW A	45 58 1125 × 425 × 703 1120 × 425 × 865 80.5 / 95.5 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-66 225-60 110 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v 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)	dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs kW A mm(inch)	45 58 1125 × 25 × 703 1120 × 425 × 865 80.5 / 9.5.5 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-66 25-60 220-240-50, 1f 1 3 13,6 Φ33 (1,30)
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v 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×D×H)	dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs kW A	45 58 1125 × 425 × 703 1120 × 425 × 865 80.5 / 95.5 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-66 225-60 110 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v 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)	dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs kW A mm(inch)	45 58 1125 × 25 × 703 1120 × 425 × 865 80.5 / 9.5.5 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-66 25-60 220-240-50, 1f 1 3 13,6 Φ33 (1,30)
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v 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×D×H)	dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs kW A mm (inch)	45 58 1125 × 25 × 703 1120 × 425 × 865 80.5 / 95.5 -5-43 / -25-43 Heating and cooling 7-25 25-65 25-60 220-240-50, 1f 1 3 13,6 Ф33 (1,30) 0,3
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v 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 x D x H) (W x D x H)	dB(A) dB(A) mm mm kg °C °C °C C C V-Hz, Ø pcs kW A mm (inch) MPa mm	45 58 1125 × 25 × 703 1200 × 425 × 865 80.5 / 95.5 -5-43 / 25-35 -25-43 Heating and cooling 7-25 25-65 25-60 220-240-50, 1f 1 3 3 13,6 Ф33 (1,30) 0,3 Ф12,7
Sound pressure level Sound power level Net dimensions Gross dimensions Gross dimensions 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	(W x D x H) (W x D x H) Total volume Actual volume	dB(A) dB(A) mm mm kg °C °C °C C V-Hz, Ø pcs kW A mm (nch) MPa mm	45 58 1125 x 25 x 703 1200 x 425 x 865 80.5 / 95.5 5-43 / 25-43 Heating and cooling 7-25 25-65 25-60 220-240-50, 1f 1 3 3 13,6 433 (1,30) 0,3 0,3 0,127 5 5
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross v 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 x D x H) (W x D x H) Total Volume Actual volume Maximum pressure	dB(A) dB(A) mm mm kg °C °C °C C V-Hz, Ø pcs kW A mm (nch) MPa mm I I MPa	45 58 1125 × 425 × 703 1120 × 425 × 865 80.5 / 95.5 -5-43 / 25-43 Heating and cooling 7-25 25-66 25-60 220-240-50, 1f 1 3 3 13.6 033 (1.30) 0.3 0.12,7 5 5 2 0.5
Sound pressure level Sound power level Net dimensions Gross dimensions Het 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	(W x D x H) (W x D x H) Total volume Actual volume	dB(A) dB(A) mm mm kg °C °C °C C V-Hz, Ø pcs kW A mm (nch) MPa mm	45 58 1125 × 425 × 703 1120 × 425 × 865 80.5 / 95.5 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-66 25-60 220-240-50, 1f 1 3 3 13.6 033 (1,30) 0,3 0,3 0,12,7 5 2 0,5 0,15
Sound pressure level Sound power level Net dimensions Gross dimensions Het weight / Gross v Operating outdoor temperature Operation modes Leaving water temperature Electric heater	sweight 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	(W x D x H) (W x D x H) Total Volume Actual volume Maximum pressure	dB(A) dB(A) mm mm kg °C °C °C C V-Hz, Ø pcs kW A mm (nch) MPa mm I I MPa	45 58 1125 × 425 × 703 1120 × 425 × 865 80.5 / 95.5 -5-43 / 25-43 Heating and cooling 7-25 25-66 25-60 220-240-50, 1f 1 3 3 13.6 033 (1.30) 0.3 0.12,7 5 5 2 0.5
Sound pressure level Sound power level Net dimensions Gross dimensions Gross dimensions 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	(W x D x H) (W x D x H) Total volume Actual volume Maximum pressure Initial pressure Type	dB(A) dB(A) mm mm kg °C °C °C C V-Hz, Ø pcs kW A mm (nch) MPa mm I I MPa	45 58 1125 × 25 × 703 1120 × 425 × 865 80.5 / 95.5 80.5 / 95.5 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-66 25-60 220-240-50, 1f 1 3 3 13,6 433 (1,30) 63 612,7 5 5 2 2 0,5 65 65 67 68 68 68 68 68 68 68 68 68 68 68 68 68
Sound pressure level Sound power level Net dimensions Gross dimensions Gross dimensions 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	(W x D x H) (W x D x H) Total volume Actual volume Maximum pressure Initial pressure	dB(A) dB(A) mm mm kg °C °C °C °C V-Hz, Ø pcs kW A A mm (In) MPa mm I I MPa MPa I I MPa MPa	45 58 1125 × 425 × 703 1200 × 425 × 865 80.5 / 95.5 -5-43 / 25-43 Heating and cooling 7-25 25-65 25-60 220-240-50, 1f 1 3 43 433 (1,30) 0,3 0,3 0,12,7 5 2 0,5 0,15 PHE / plate heat exchanger
Sound pressure level Sound power level Net dimensions Gross dimensions Gross dimensions 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	(W x D x H) (W x D x H) Total volume Actual volume Maximum pressure Initial pressure Type	dB(A) dB(A) mm mm kg °C °C °C C V-Hz, Ø pcs kW A mm (inch) MPa mm I MPa MPa	45 58 1125 × 425 × 703 1200 × 425 × 865 80.5 / 95.5 .5-43 / 25-43 Heating and cooling 7-25 25-65 25-60 220-240-50, 1f 1 3 3 13,6 933 (1,30) 9,03 912,7 5 9 PHE / plate heat exchanger 10 9
Sound pressure level Sound power level Net dimensions Gross dimensions Gross dimensions 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 Water pump head Water pump type	(W x D x H) (W x D x H) Total volume Actual volume Maximum pressure Initial pressure Type	dB(A) dB(A) mm mm kg °C °C °C C V-Hz, Ø pcs kW A mm (nch) MPa MPa MPa Umin m	45 58 1125 × 425 × 703 1200 × 425 × 865 80.5 / 95.5 80.5 / 95.5 3-5-43 / 25-43 Heating and cooling 7-25 25-65 25-60 220-240-50, 1f 1 3 3 13,6 433 (1,30) 0,3 432 (1,30) 0,3 4127 5 5 2 413 (1,30) 6 6 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Sound pressure level Sound power level Net dimensions Gross dimensions 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	(W x D x H) (W x D x H) Total volume Actual volume Maximum pressure Initial pressure Type	dB(A) dB(A) mm mm kg °C °C °C °C V-Hz, Ø pcs kW A A mm (In) MPa mm I I MPa MPa I I MPa MPa	45 58 1125 × 425 × 703 1120 × 425 × 865 80.5 / 95.5 -5-43 / 25-35 -25-43 Heating and cooling 7-25 25-60 220-240-50, 1f 1 3 3 13,6 433 (1,30) 0,3 4012,7 5 2 0,5 0,15 PHE / plate heat exchanger 10 9

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

(T) Seasonal energy enlicative Custom Readured United average united Exhibitions.

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.

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 IΔn: 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.