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MONO

Airmi Monoblock heat pump

AIMB60X1 [R14]

t t

R32

CE

COP 5,13

White B -25°C

65°C M

5-YEAR

WARRANTY



tl₀

Efficient

heating

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Integrated electric

heater

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Vacation

mode



Environmentally friendly refrigerant R32



Twin rotary



0 0



weekly schedules



Disinfection



water temperature of 60°C (in DHW mode)



Prepared to create a cascade system

A

 $\overline{+}+\overline{+}$

Energy efficiency

class at 35°C

A+++

⋞⋑

Outdoor unit drip

tray heater

EN

Menu

in English





Modbus Protocol



COP

5,13

Maximum

COP 5,13

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Energy efficiency class at 55°C A++

 Δ_{a}^{μ}



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Multilanguage

menu

Compressor crankcase heater







Weather operating modes (climate curve)

WILE

-25°C

Operating range down to -25°C

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Silent

mode

2 heating control zones



Dedicated application



65°C

M

Supply water

temperature of 65°C

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WiFi module

in wired controller

(1)



Smart Grid functionality

MON

Daily operation schedule

Ø







Easy installation

and maintenance





Integrated

ZOTENSO[®]

Specification outdoor unit

Model				
Model				AIMB60X1 R14
EAN Code				5905567602412
Power supply			V-Hz, Ø	220-240-50, 1f
Capacity				
Heating	leating		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)			NYV.	
	COP			3,70
	Capacity		kW	6,10
Heating	Rated input		kW	2,13
(A7/W55)	COP			2,86
Cooling	Capacity		kW	6,20
(A35/W18)	Rated input		kW	1,26
(EER			4,91
	Capacity		kW	6,30
Cooling	Rated input		kW	1,99
(A35/W7)			KVV	
	EER			3,14
	SCOP (1)			5,05
Seasonal aporto	Rated heat output		kW	6,0
Seasonal energy efficiency	Seasonal energy efficiency ratio (ŋS)		96	199
LWT at 35°C				
2.11 0.00 0	Annual energy consumption		kWh	2455
	Seasonal space heating energy efficiency class ⁽¹⁾			A+++
	SCOP (1)			3,52
	Rated heat output		kW	5,80
Seasonal energy				
efficiency	Seasonal energy efficiency ratio (ηS)		96	138
LWT at 55°C	Annual energy consumption		kWh	3521
	Seasonal space heating energy efficiency class (1)			A++
	LWT at 7°C			5,27
SEER	SEER			
	LWT at 18°C			8,77
Minimum rated curr	rrent of the overcurrent circuit breaker w	/ith breaker type	A	B32
Compressor		Туре		Twin rotary inverter compressor DC
Туре				Brushless DC motor / BLDC
Fan	Fan Quantity			
				1
Туре		Туре		R32
		GWP		675
Refrigerant			kg	1,03
		Quantity		0,695
		TCO2eq		
Minimal wire pcs and dimension of cords*		pcs × mm ²	3×6	
Bracket spacing (W1 × W2 × D)				
pracket shacing		$(W1 \times W2 \times D)$	mm	624 × 229 × 425
	vel	(W1 × W2 × D)		624×229×425 45
Sound pressure leve	vel	(W1 × W2 × D)	dB(A)	45
Sound pressure level	rel	1	dB(A) dB(A)	45 58
Sound pressure leve Sound power level Net dimensions	rel	(W x D x H)	dB(A) dB(A) mm	45 58 1125×425×703
Sound pressure level	iel	1	dB(A) dB(A)	45 58
Sound pressure leve Sound power level Net dimensions		(W x D x H)	dB(A) dB(A) mm	45 58 1125×425×703
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w	weight	(W x D x H)	dB(A) dB(A) mm mm	45 58 1125 × 425 × 703 1200 × 425 × 865 80.5 / 95.5
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor	weight Cooling / Heating	(W x D x 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 w Operating outdoor temperature	weight	(W x D x H)	dB(A) dB(A) mm mm kg	45 58 1125×425×703 1200×425×865 805/955 -5-43/25-35 -25-43
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor	weight Cooling / Heating DHW	(W x D x H)	dB(A) dB(A) mm mm kg °C °C	45 58 1125 × 425 × 703 1200 × 425 × 865 80 5 / 95 5 -5-43 / -25-35 -25-43 Heating and cooling
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes	weight Cooling / Heating	(W x D x H)	dB(A) dB(A) mm mm kg °C	45 58 1125×425×703 1200×425×865 805/955 -5-43/25-35 -25-43
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water	weight Cooling / Heating DHW	(W x D x H)	dB(A) dB(A) mm mm kg °C °C	45 58 1125 × 425 × 703 1200 × 425 × 865 805 / 95.5 -5-43 / -25-35 -25-43 Heating and cooling
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes	weight Cooling / Heating DHW Space cooling Space heating	(W x D x H)	dB(A) dB(A) mm kg °C °C °C °C	45 58 1125×425×703 1200×425×865 80.5/95.5 5-43/-25-35 25-43 Meating and cooling 7-25 25-65
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water	weight Cooling / Heating DHW Space cooling Space heating DHW (tank)	(W x D x H)	dB(A) dB(A) mm mm kg °C °C °C °C °C	45 58 1125×425×703 1200×425×865 80.5/95.5 5-43/.25-35 5-43/.25-35 5-43 Heating and cooling 7-25 25-65 25-65
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water	Veight Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply	(W x D x H)	dB(A) dB(A) mm kg °C °C °C °C V.Hz, Ø	45 58 1125×425×703 1200×425×865 80.5/95.5 -5-43/-25-35 -5-43/-25-35 -25-43 Heating and cooling 7-25 25-65 25-65 25-60
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature	weight Cooling / Heating DHW Space cooling Space heating DHW (tank)	(W x D x H)	dB(A) dB(A) mm mm kg °C °C °C °C °C	45 58 1125×425×703 1200×425×865 80.5/95.5 5-43/.25-35 5-43/.25-35 5-43 Heating and cooling 7-25 25-65 25-65
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water	Veight Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply	(W x D x H)	dB(A) dB(A) mm kg °C °C °C °C V.Hz, Ø	45 58 1125×425×703 1200×425×865 80.5/95.5 -5-43/-25-35 -5-43/-25-35 -25-43 Heating and cooling 7-25 25-65 25-65 25-60
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w 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 x D x H)	dB(A) dB(A) mm mg °C °C °C °C °C °C °C °C %	45 58 1125×425×703 1200×425×865 805/95.5
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w 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 x D x H)	dB(A) dB(A) mm mm %C %KW A	45 58 1125 × 425 × 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
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w 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 x D x H)	dB(A) dB(A) mm mg °C °C °C °C °C V-Hz, Ø pcs kW A	45 58 1125 × 425 × 703 1200 × 425 × 865 80.5 / 95.5 5-43 / 25-35 25-43 Heating and cooling 7-25 125-65 25-60 220-240-50, 1f 1 3 3
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w 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 x D x H)	dB(A) dB(A) mm mm %C %KW A	45 58 1125×425×703 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 13,6
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w 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 x D x H)	dB(A) dB(A) mm mg °C °C °C °C °C V-Hz, Ø pcs kW A	45 58 1125 × 425 × 703 1200 × 425 × 865 80.5 / 95.5 5-43 / 25-35 25-43 Heating and cooling 7-25 125-65 25-60 220-240-50, 1f 1 3 3
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w 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) (W × D × 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 1125×425×703 1200×425×865 805/95.5 -5-43/-25-35 -25-43 Heating and cooling 7-25 25-65 220-240-50, 1f 1 3 13,6 0.3 Φ12,7
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w 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) (W × D × H) (W × D × H)	dB(A) dB(A) mm mm %g %C %C	45 58 58 1125×425×703 1200×425×865 305/955 -5-43/.25-35 -5-43/.25-35 -25-43 Heating and cooling -25-43 1202/240-50,17 220/240-50,17 1 1 3 3 1,26 3 1,26 3 1,26 3 1,26 3 1,26 3 1,26 3 1,26 3 1,26 3 1,26 3 1,26 3 1,26 3 1,26 3 1,26 3 1,27 5 5
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w 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) (W x D x H)	dB(A) dB(A) mm mm %C °C °C °C %C %C	45 58 1125 × 425 × 703 1200 × 425 × 865 805 / 95.5
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w 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) (W × D × H) (W × D × H)	dB(A) dB(A) mm mm %g %C %C	45 58 1125×425×703 1200×425×865 385/955 -5-43/25-35 -25-43 Heating and cooling -25-43 Heating and cooling -25-60 25-60 220240-50.1f 1 1 3 3 3 13.6 9 3 3 13.6 9 3 13.6 9 3 13.6 9 3 13.6 9 3 13.6 9 3 13.6 9 3 13.6 9 3 13.6 9 3 13.6 9 3 13.5 9 3 13.5 9 3 13.5 9 3 13.5 9 3 13.5 9 3 13.5 9 3 13.5 9 3 13.5 9 3 13.5 9 3 13.5 9 3 13.5 9 3 13.5 9 3 13.5 9 5 9 5 9 13.5 9 13.5 9 13.5 9 14.5 9 15 15 15 15 15 15 15 15 15 15 15 15 15
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w 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) (W x D x H)	dB(A) dB(A) mm mm %C °C °C °C %C %C	45 58 1125 × 425 × 703 1200 × 425 × 865 805 / 95.5 5-43 / -25-35 -25-43 Heating and cooling -25-60 220-20-50, 1f 1 3 -13.6 Φ33 (1,30) 0.3 Φ12.7 2
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w 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) (W x D x H)	dB(A) dB(A) mm mm °C °C °C °C °C VHZ, Ø PcS kW A mm (inch) MPa mt I I H MPa	45 58 1125 × 425 × 703 1200 × 425 × 865 80.5 / 95.5 3.3 / 25-35 3.3 / 25-35 3.3 / 25-43 3.3 / 25-65 3.3 / 25-60 3.3 / 25-60 3.3 / 3.5 / 3.
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w 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) (W x D x H)	dB(A) dB(A) mm mg °C V-Hz, Ø pcs kW A mm (inch) MPa MPa	45 58 1125×425×703 1200×425×865 805/955 -5-43/.25-35 -25-43 Heating and cooling 7-25 25-65 220-240-50,1f 1 3 13,6 0,3 0,3 21,7 2 2 2 3 0,5 0,5 0,5 0,15
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w 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) (W x D x H)	dB(A) dB(A) mm mg °C °C °C °C °C °C V-Hz, Ø pcs kW A mm (inch) MPa MPa Vmin	45 58 58 1125×425×703 1200×425×865 805/95.5 605/95.5 605/95.5 605/95.5 605/95.5 7-25 7-25 605/95.5 7-25 7-
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w 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	(W x D x H) (W x D x H) (W x D x H)	dB(A) dB(A) mm mg c °C °C °C °C °C °C % % MPa MPa MPa	45 58 1125×425×703 1200×425×865 805/955 -5-43/.25-35 -25-43 Heating and cooling 7-25 25-65 220-240-50,1f 1 3 13,6 0,3 0,3 21,7 2 2 2 3 0,5 0,5 0,5 0,15
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w 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) (W x D x H)	dB(A) dB(A) mm mg °C °C °C °C °C °C V-Hz, Ø pcs kW A mm (inch) MPa MPa Vmin	45 58 58 1125×425×703 1200×425×865 805/95.5 605/95.5 605/95.5 605/95.5 605/95.5 7-25 7-25 605/95.5 7-25 7-
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w 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) (W x D x H)	dB(A) dB(A) mm mg °C °C °C °C °C °C V-Hz, Ø pcs kW A mm (inch) MPa MPa Vmin	45 58 58 1125×425×703 1200×425×865 5 5 5 5 5 5 5 5 5 5 5 5 5

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

(1) Seasonal energy entitempt of uses measured under average dimate containers. Notes: DHW – Domestic hot water, LWT – Leaving water temperature The sound pressure levels in easing of min for of the unit and (1+1)/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; A7W55 ΔT=6; 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.