

Windmi Monoblock heat pump

WIM120X3 ^[R14]



- COP 4,75
- Efficient heating
- R32 REFRIGERANT
Environmentally friendly
- TUYA SMART
- 5-YEAR WARRANTY
- CE

- A^{35°C}
+++
- A^{55°C}
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- MONO

Device features

Environmentally friendly refrigerant R32	Efficient heating	Energy efficiency class at 35°C A+++	Energy efficiency class at 55°C A++	Maximum COP 4,75 ⁽¹⁾	Operating range down to -25°C	Supply water temperature of 62°C	Programmable Dry Contact
Twin rotary compressor	Integrated electric heater	Outdoor unit drip tray heater	Compressor crankcase heater	Easy installation and maintenance	WiFi module in wired controller	Daily operation schedule	Configurable weekly schedules
Vacation mode	Integrated temperature sensor	Weather operating modes (climate curve)	Dedicated application	Disinfection	Maximum leaving water temperature of 62°C (in DHW mode)	Modbus Protocol	

Specification outdoor unit

Model				WIM120X3 R14		
EAN Code				5905567602306		
Power supply			V-Hz, Ø	380-420-50, 3f		
Heating (A7/W35)	Capacity		kW	12,00		
	Rated input		kW	2,53		
	COP			4,75		
Heating (A7/W45)	Capacity		kW	12,00		
	Rated input		kW	3,38		
	COP			3,55		
Heating (A7/W55)	Capacity		kW	11,50		
	Rated input		kW	4,04		
	COP			2,85		
Cooling (A35/W18)	Capacity		kW	11,00		
	Rated input		kW	2,75		
	EER			4,00		
Cooling (A35/W7)	Capacity		kW	10,50		
	Rated input		kW	3,82		
	EER			2,75		
Seasonal energy efficiency LWT at 35°C	SCOP ⁽¹⁾			4,91		
	Rated heat output		kW	11,94		
	Seasonal energy efficiency ratio (η _S)		%	193		
	Annual energy consumption		kWh	4983		
	Seasonal space heating energy efficiency class ⁽¹⁾			A+++		
Seasonal energy efficiency LWT at 55°C	SCOP ⁽¹⁾			3,39		
	Rated heat output		kW	11,96		
	Seasonal energy efficiency ratio (η _S)		%	133		
	Annual energy consumption		kWh	7222		
	Seasonal space heating energy efficiency class ⁽¹⁾			A++		
SEER	LWT at 7°C			5,04		
	LWT at 18°C			6,60		
Maximum overcurrent protection (MOP)			A	25		
Minimum circuit amps (MCA)			A	25		
Compressor	Type		Twin rotary inverter compressor DC			
Fan	Type		Brushless DC motor / BLDC			
	Quantity		2			
Refrigerant	Type		R32			
	GWP		675			
	Quantity	kg		2,2		
		TCO _{2,eq}		1,49		
Power cables: outdoor unit			il. x mm ²	5 x 4		
Bracket spacing	(W1 x D)	mm	636 x 320 x 456			
Sound pressure level		dB(A)	56			
Sound power level		dB(A)	69			
Net dimensions	(W x D x H)	mm	1302 x 456 x 1425			
Gross dimensions		mm	1364 x 485 x 1600			
Net weight / Gross weight		kg	170 / 190			
Operating outdoor temperature	Cooling / Heating	°C	-5-50 / -25-43			
	DHW	°C	-25-43			
Operation modes			Heating and cooling			
Leaving water temperature	Space cooling	°C	5-25			
	Space heating	°C	25-62			
	DHW (tank)	°C	40-62			
Electric heater	Power supply	V-Hz, Ø	380-420-50, 3f			
	Number of heating stages	pcs	3			
	Power	kW	9			
	Maximum operating current	A	13,6			
Water circuit	Water connections		mm(inch)	Ø31,75 (1,25)		
	Pressure relief valve		MPa	0,6		
	Condensate drain		mm	20		
	Expansion tank	Total volume		l	5	
		Actual volume		l	5	
		Maximum pressure		MPa	1	
	Heat exchanger	Initial pressure		MPa	0,15	
		Type		PHE / plate heat exchanger		
	Water pump head	Minimum flow		l/min	12	
		m	9			
Water pump type		DC				
Total water volume		l			1,45	

(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.