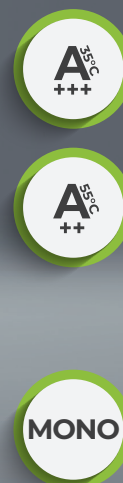


Windmi Monoblock heat pump

WIM140X3 ^[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 4,65	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				WIM140X3 R14		
EAN Code				5905567602313		
Power supply			V-Hz, Ø	380-420-50, 3f		
Heating (A7/W35)	Capacity		kW	14,00		
	Rated input		kW	3,01		
	COP			4,65		
Heating (A7/W45)	Capacity		kW	14,00		
	Rated input		kW	3,94		
	COP			3,55		
Heating (A7/W55)	Capacity		kW	12,00		
	Rated input		kW	4,36		
	COP			2,75		
Cooling (A35/W18)	Capacity		kW	13,50		
	Rated input		kW	3,46		
	EER			3,90		
Cooling (A35/W7)	Capacity		kW	12,00		
	Rated input		kW	4,44		
	EER			2,7		
Seasonal energy efficiency LWT at 35°C	SCOP ⁽¹⁾			4,94		
	Rated heat output		kW	14,03		
	Seasonal energy efficiency ratio (η _S)		%	195		
	Annual energy consumption		kWh	5789		
	Seasonal space heating energy efficiency class ⁽¹⁾			A+++		
Seasonal energy efficiency LWT at 55°C	SCOP ⁽¹⁾			3,42		
	Rated heat output		kW	11,99		
	Seasonal energy efficiency ratio (η _S)		%	134		
	Annual energy consumption		kWh	7204		
	Seasonal space heating energy efficiency class ⁽¹⁾			A++		
SEER	LWT at 7°C			5,05		
	LWT at 18°C			6,37		
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	2,6		
			TCO ₂ eq	1,76		
Power cables: outdoor unit			il. × mm ²	5 × 4		
Bracket spacing		(W1 × D)	mm	636 × 320 × 456		
Sound pressure level			dB(A)	56		
Sound power level			dB(A)	69		
Net dimensions		(W × D × H)	mm	1302 × 456 × 1425		
Gross dimensions			mm	1364 × 485 × 1600		
Net weight / Gross weight			kg	172 / 192		
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)	Φ31,75 (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		
		Initial pressure	MPa	0,15		
	Heat exchanger	Type	PHE / plate heat exchanger			
		Minimum flow	l/min	12		
	Water pump head			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.