

# Windmi Monoblock heat pump

WIM140X3 <sup>[R14]</sup>



- 
- 
- 
- 
- 
- 
- 
- 

- 
- 
- 



## 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 <sup>(1)</sup>		4,94		
	Rated heat output	kW	14,03		
	Seasonal energy efficiency ratio (η <sub>S</sub> )	%	195		
	Annual energy consumption	kWh	5789		
	Seasonal space heating energy efficiency class <sup>(1)</sup>		A+++		
Seasonal energy efficiency LWT at 55°C	SCOP <sup>(1)</sup>		3,42		
	Rated heat output	kW	11,99		
	Seasonal energy efficiency ratio (η <sub>S</sub> )	%	134		
	Annual energy consumption	kWh	7204		
	Seasonal space heating energy efficiency class <sup>(1)</sup>		A++		
SEER	LWT at 7°C		5,05		
	LWT at 18°C		6,37		
Minimum rated current of the overcurrent circuit breaker with breaker type		A	B25		
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 <sub>eq</sub>	1,76		
Minimal wire pcs and dimension of cords*		pcs × mm <sup>2</sup>	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)	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
		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.

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 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.