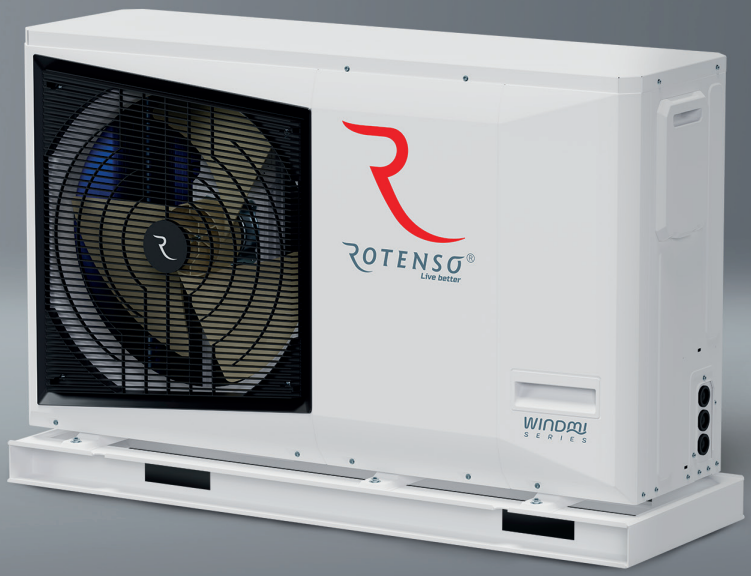
Windmi Monoblock heat pump

WIM100X1 *[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 4,45
- 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				**WIM100X1 R14**
EAN Code				5905567602290
Power supply			V-Hz, Ø	220-240~50, 1f
Heating (A7/W35)	Capacity		kW	10,00
	Rated input		kW	2,25
	COP			4,45
Heating (A7/W45)	Capacity		kW	10,00
	Rated input		kW	2,86
	COP			3,50
Heating (A7/W55)	Capacity		kW	9,50
	Rated input		kW	3,54
	COP			2,68
Cooling (A35/W18)	Capacity		kW	9,00
	Rated input		kW	2,25
	EER			4,00
Cooling (A35/W7)	Capacity		kW	8,00
	Rated input		kW	2,67
	EER			3,00
Seasonal energy efficiency LWT at 35ºC	SCOP (1)			4,98
	Rated heat output		kW	9,73
	Seasonal energy efficiency ratio (ηS)		%	196
	Annual energy consumption		kWh	3980
	Seasonal space heating energy efficiency class (1)			A+++
Seasonal energy efficiency LWT at 55ºC	SCOP (1)			3,41
	Rated heat output		kW	9,09
	Seasonal energy efficiency ratio (ηS)		%	134
	Annual energy consumption		kWh	5378
	Seasonal space heating energy efficiency class (1)			A++
SEER	LWT at 7ºC			4,89
	LWT at 18ºC			6,25
Maximum overcurrent protection (MOP)			A	40
Minimum circuit amps (MCA)			A	35
Compressor		Type		Twin rotary inverter compressor DC
Fan		Type		Brushless DC motor / BLDC
		Quantity		1
Refrigerant		Type		R32
		GWP		675
		Quantity	kg	1,8
			TCO_2eq	1,22
Power cables: outdoor unit			il. × mm²	3 × 10
Bracket spacing		(W1 × D)	mm	659 × 320 × 459
Sound pressure level			dB(A)	55
Sound power level			dB(A)	66
Net dimensions		(W × D × H)	mm	1335 × 459 × 816
Gross dimensions			mm	1420 × 535 × 990
Net weight / Gross weight			kg	121,3 / 139
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	220-240~50, 1f
	Number of heating stages		pcs	1
	Power		kW	3
	Maximum operating current		A	13,6
Water circuit	Water connections		mm(inch)	Φ25,4 (1)
	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	6
	Water pump head		m	9
	Water pump type			DC
	Total water volume		l	1,08

(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.