

Windmi Monoblock heat pump

WIM140X3 [R14]











Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



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



Outdoor unit drip tray heater



Compressor crankcase heate



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	Capacity		kW	14,00
(A7/W35)	Rated input		kW	3,01
	COP			4,65
	Capacity		kW	14,00
Heating (A7/W45)	Rated input		kW	3,94
(071113)	COP			3,55
	Capacity		kW	12,00
Heating	Rated input		kW	4,36
(A7/W55)	COP			2,75
Capacity			kW	13,50
Cooling	Rated input		kW	3,46
(A35/W18)	EER			3,90
	Capacity		kW	12,00
Cooling	Rated input		kW	4,44
(A35/W7)	EER			2,7
	SCOP (1)			
	Rated heat output kW		LAN.	4,94
Seasonal energy	Seasonal energy efficiency ratio (ηS)			14,03
efficiency LWT at 35°C			96	195
EWI dt 35 C	Annual energy consumption		kWh	5789
	Seasonal space heating energy efficiency class (1)			A+++
	SCOP (1)			3,42
Seasonal energy	Rated heat output		kW	11,99
efficiency	Seasonal energy efficiency ratio (ηS)		96	134
LWT at 55°C	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 overcurre	ent protection (MOP)		A	25
Minimum circuit amp	nps (MCA)		A	25
Compressor		Туре		Twin rotary inverter compressor DC
		Туре		Brushless DC motor / BLDC
Fan		Quantity Type GWP		2
				R32
				675
Refrigerant		GWI	1	2.6
		Quantity	kg	
			TCO ₂ eq	1,76
Power cables: outdoor unit			2	
	oor unit		il. × mm²	5×4
Bracket spacing		(W1 × D)	mm	636×320×456
Sound pressure leve		(W1 × D)	mm dB(A)	636×320×456 56
Sound pressure level			mm dB(A) dB(A)	636 × 320 × 456 56 69
Sound pressure leve		$(W1\times D)$ $(W\times D\times H)$	mm dB(A)	636 × 320 × 456 56 69 1302 × 456 × 1425
Sound pressure level Sound power level Net dimensions Gross dimensions	el		mm dB(A) dB(A)	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600
Sound pressure level Sound power level Net dimensions	el		mm dB(A) dB(A) mm	636 × 320 × 456 56 69 1302 × 456 × 1425
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor	el		mm dB(A) dB(A) mm mm	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w	el weight		mm dB(A) dB(A) mm mm kg	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172/192
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor	weight Cooling / Heating		mm dB(A) dB(A) mm mm kg	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / -25-43
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes	weight Cooling / Heating		mm dB(A) dB(A) mm mm kg	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / -25-43 -25-43
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water	weight Cooling / Heating DHW		mm dB(A) dB(A) mm mm kg °C °C	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172/192 -5-50/-25-43 -25-43 Heating and cooling
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes	weight Cooling / Heating DHW Space cooling		mm dB(A) dB(A) mm mm kg °C °C	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / 25-43 Heating and cooling 5-25
Sound pressure level 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)		mm dB(A) dB(A) mm kg °C °C °C °C	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / 25-43 Heating and cooling 5-25 25-62 40-62
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		mm dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / 25-43 -25-43 Heating and cooling 5-25 25-62 40-62 380-420-50, 3f
Sound pressure level 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) Power supply Number of heating stages		mm dB(A) dB(A) mm mm kg °C °C °C °C V-Hz, Ø pcs	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / -25-43 -25-43 Heating and cooling 5-25 25-62 40-62 380-420-50, 3f 3
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		mm dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs kW	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / 25-43 -25-43 Heating and cooling 5-25 25-62 40-62 380-420-50, 3f 3 9
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		mm dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs kW A	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172/192 -5-50/-25-43 -25-43 Heating and cooling 5-25 25-62 40-62 380-420-50, 3f 3 9 13,6
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 Water connections		mm dB(A) dB(A) mm mm kg °C °C °C °C V-Hz, Ø pcs kW A mm(inch)	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172/192 -5-50/-25-43 Heating and cooling 5-25 25-62 40-62 380-420-50, 3f 3 9 13.6
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 Water connections Pressure relief valve		mm dB(A) dB(A) mm kg °C °C °C °C V-Hz, Ø pcs kW A mm(inch)	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / 25-43 -25-43 Heating and cooling 5-25 25-62 40-62 380-420-50, 3f 3 9 13,6 031,75 (1,25) 0,6
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 Water connections Pressure relief valve Condensate drain	(W × D × H)	mm dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs kW A mm(inch) MPa	636 × 320 × 456 56 69 130 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / 25-43 Heating and cooling 5-25 25-62 40-62 380 420-50, 3f 3 9 13,6 931,75 (1,25) 0,6 20
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 Water connections Pressure relief valve	(W × D × H)	mm dB(A) dB(A) mm mm kg °C °C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / -25-43 -25-43 Heating and cooling 5-25 25-62 40-62 380-420-50.3f 3 9 13,6 931,75 (1,25) 0,6 20 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 Water connections Pressure relief valve Condensate drain	(W × D × H) Total volume Actual volume	mm dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs kW A mm(nch) MPa mm I	636 × 320 × 456 56 69 130 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / -25-43 -25-43 Heating and cooling 5-25 25-62 40-62 380-420-50, 3f 3 9 13.6 031,75 (1,25) 0.6 20 5 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 Water connections Pressure relief valve Condensate drain	(W × D × H) Total volume Actual volume Maximum pressure	mm dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm I I MPa	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172/192 -5-50/-25-43 -25-43 Heating and cooling 5-25 25-62 40-62 380-420-50, 3f 3 9 13,6 031,75 (1,25) 0,6 20 5 5 1
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 × D × H) Total volume Actual volume	mm dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs kW A mm(nch) MPa mm I	636 × 320 × 456 56 69 130 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / -25-43 -25-43 Heating and cooling 5-25 25-62 40-62 380-420-50, 3f 3 9 13.6 031,75 (1,25) 0.6 20 5 5
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 Expansion tank	(W × D × H) Total volume Actual volume Maximum pressure	mm dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm I I MPa	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172/192 -5-50/-25-43 -25-43 Heating and cooling 5-25 25-62 40-62 380-420-50, 3f 3 9 13,6 431,75 (1,25) 0,6 20 5 5 5
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 × D × H) Total volume Actual volume Maximum pressure Initial pressure	mm dB(A) dB(A) mm mm kg °C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm I I MPa	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172/192 -5-50/-25-43 -25-43 Heating and cooling 5-25 25-62 40-62 380-420-50, 3f 3 9 13,6 931,75 (1,25) 0,6 20 5 5 5 1
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 Expansion tank	(W × D × H) Total volume Actual volume Maximum pressure Initial pressure	mm dB(A) dB(A) mm kg °C °C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm I MPa MPa	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / 25-43
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 Expansion tank Heat exchanger	(W × D × H) Total volume Actual volume Maximum pressure Initial pressure	mm dB(A) dB(A) mm kg °C °C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm I I MPa MPa MPa	636 × 320 × 456 56 69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / -25-43 Heating and cooling 5-25 25-62 40-62 380-420-50, 3f 3 9 13,6 931,75 (1,25) 0,6 20 5 5 11 0,15 PHE / plate heat exchanger

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

Notes: DHM: Onestic hot water, LWT – Leaving water temperature

The sound pressure level is measured 1m in front of the unit and (1+H)Zm (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=6; relative humidity 85%. The figures specified above refer to the following standards: EN14511; EN14825, EN50564; EN12102; (EU) Np. 811/2013; (