

Windmi Monoblock heat pump

WIM100X1 [R14]

























Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C A++



Maximum COP 4,45



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



Easy installation



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

Markang 1900	Madal				
Marie	Model				
Professor Pro					5905567602290
Marie Mar	Power supply			V-Hz, Ø	220-240~50,1f
Page		Capacity		kW	10,00
		Rated input		kW	2,25
Marie Mar	(A//W35)				4.45
Marked (Marked) Marked (M				kW	
Model 1000	Heating				
# Page 1	(A7/W45)			KVV	
Marie				1	
Mary	Heating	Capacity		kW	9,50
Code/ty		Rated input		kW	3,54
Marine		COP			2,68
Magnet		Capacity		kW	9,00
Minima				kW	2,25
Control Control Control Auto	(A35/W18)				
Marie Mar				LW.	
Marie No. Marie No. Marie No. Marie No. Marie No.	Cooling				
	(A35/W7)			kW	
Section 1		EER			3,00
## 1950 1950		SCOP (1)			4,98
Minimary Manual Annual An	Seasonal energy	Rated heat output		kW	9,73
Maria analog consequence 100				96	196
Maria	LWT at 35°C				
Support Sup					
March Number Marc					
Antimode March					
Maria Ameria Consumption Maria Ameria Consu	Seasonal energy	Rated heat output		kW	9,09
Maintum no foundament Market Market Market	efficiency	Seasonal energy efficiency ratio (ηS)		96	134
Montan montanes position MON More in the many montanes position MON A	LWT at 55°C	Annual energy consumption		kWh	5378
Montan montanes position MON More in the many montanes position MON A		Seasonal space heating energy efficiency class ⁽¹⁾			A++
Martin procurs grantering MAPS A					4.80
Maintain encourage protection (MOS)	SEER				
Memorical amang McRi)					
Comprissor Twin crasy inverser comprissor DC Tank Type Burken comprissor DC The colspan="2" of Type 1 1 Refigerors The colspan="2" of Type Th					
### Page	Minimum circuit am	nps (MCA)		A	35
### Page	Compressor		Туре		Twin rotary inverter compressor DC
### Page			Type		Brushless DC motor / BLDC
Power Light	Fan				
Power cabbs					P2)
Power cables outstoor unit					
Power sables outdoor unit	Refrigerant		GWP	1 .	
Power cables out TCO, yet			Ouantity		
Bracket spacing				TCO ₂ eq	1,22
Sound pressure level dBA) 65 Sound power level dBA) 66 Ked idmentions (W × D × H) mm 1335 × 49 × 816 Gross dimensions (W × D × H) mm 1420 × 535 × 99 Net weight / Gross veight kg 121,3 / 139 Operating outdoor Coffige / Heating ° C -5-50 / 25-43 Operation modes *** *** *** *** *** *** *** *** *** **	Power cables: outdoor unit			il. × mm²	3×10
Sound power level 08(A) 66 Not dimensions (W × D × H) mm 1335 × 459 × 816 Cores dimensions mm 1420 × 555 × 990 Not weight / Gross sweight kg 1213 / 139 Not weight / Holding °C 5-50 / 25-43 Operating public Diby °C 25-43 Operation modes Heating and cooling Leaving water temperature Space cooling °C 5-25 DHW (tank) °C 25-62 DHW (tank) °C 40-62 DHW (tank) °C	Bracket spacing		(W1 × D)	mm	659 × 320 × 459
Sound power level 08(A) 66 Not dimensions (W × D × H) mm 1335 × 459 × 816 Cores dimensions mm 1420 × 555 × 990 Not weight / Gross sweight kg 1213 / 139 Not weight / Holding °C 5-50 / 25-43 Operating public Diby °C 25-43 Operation modes Heating and cooling Leaving water temperature Space cooling °C 5-25 DHW (tank) °C 25-62 DHW (tank) °C 40-62 DHW (tank) °C	Sound pressure leve	el		dB(A)	55
Net dimensions (W × D × H) mm 1335 × 459 × 816 Gross dimensions mm 1420 × 535 × 969 Net weight / Cross well kg 121,3 / 139 Operating outdow cemperature Coding / Heating °C 5-50/ 25-43 Operation mounts of particular cemperature New Year Coding °C 25-43 Departmentation of particular cemperature Space Coding °C 5-25 Pew Humania °C 40-62 Define theater Space Relating °C 40-62 Power supply VHz, Ø 200-240-90,1f Number of heating stages pcs 1 Power with more ordinag current A 136 Maximum operating current A 136 Maximum operating current A 136 Pressure relief valve MPa 06 Condensate drain Feparation tank 1 5 Expansion tank Total volume I 5 Actual volume I 5 Actual volume I 5 <td></td> <td></td> <td></td> <td></td> <td></td>					
Gross dimensions mm 1420 × 535 × 990 Net weight, Gross weight,			AM v. D v. I D		
Net weight / Gross weight lig 121,3/139 Operating outdoor of pering outdoor outdoor outdoor of pering outdoor ou			(W×D×H)		
Operating outdoor Departing outdoor Departing outdoor Departing outdoor	Gross dimensions			mm	
Committee	Net weight / Gross v	weight		kg	121,3 / 139
Operation modes Heating and cooling Leaving water temperature Space cooling °C 5-25 5pace heating °C 25-62 1pm 2-February 7pm 2-February 4pm 2-February 6pw supply VHz, 0 220-240-50, 1f Number of heating stages pcs 1 Power MW 3 A maximum operating current A 13,6 Maximum operating current A 13,6 Pressure relief valve MPa 0,6 Pressure relief valve MPa 0,6 Condensate drain mm 20 Expansion tank Total volume 1 5 Actual volume 1 5 Actual volume 1 5 Maximum pressure MPa 0,15 Heat exchanger MPa PHE / plate heat exchanger Maximum pressure MPa PHE / plate heat exchanger Maximum pressure MPa 9 Water pump type mm 9	Operating outdoor	Cooling / Heating			5 50 (25 42
Leaving water temperature Space cooling °C 5-25 Space heating °C 25-62 DHW (tank) °C 40-62 DHW (tank) °C 40-62 Mumber of heating stages VHz, Ø 220-240-50, 1f Number of heating stages pcs 1 Power WW 3 Maximum operating current A 13,6 Water connections MPa 0,6 Pressure relief valve MPa 0,6 Pressure relief valve MPa 5 Condensate drain Total volume 1 Expansion tank Total volume 1 Expansion tank Initial pressure MPa 1 Maximum pressure MPa 0,15 Maximum from pressure MPa 0,15 Heat exchanger Minimum flow Viminum flow 6 Water pump head Free pump head MPa 9 Water pump head Image: Pressure pump head MPa 1,08				°C	-5~50/-25~43
Leaving water temperature Space cooling °C 5-25 Space heating °C 25-62 DHW (tank) °C 40-62 DHW (tank) °C 40-62 Mumber of heating stages VHz, Ø 220-240-50, 1f Number of heating stages pcs 1 Power WW 3 Maximum operating current A 13,6 Water connections MPa 0,6 Pressure relief valve MPa 0,6 Pressure relief valve MPa 5 Condensate drain Total volume 1 Expansion tank Total volume 1 Expansion tank Initial pressure MPa 1 Maximum pressure MPa 0,15 Maximum from pressure MPa 0,15 Heat exchanger Minimum flow Viminum flow 6 Water pump head Free pump head MPa 9 Water pump head Image: Pressure pump head MPa 1,08	10p.0				
Leaving variety temperature 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 Maximum operating current MPa 0,6 Pressure relief valve MPa 0,6 Condensate drain MPa 0,6 Condensate drain 1 5 Expansion tank Total volume 1 5 Actual volume 1 5 Actual volume 1 5 Heat exchanger MPa 0,15 Minitial pressure MPa 0,15 Water pump head Vmin 9 Water pump type Minimum flow Vmin 9 Water pump type Total water volume 1 1,08					-25~43
Space Heating Space Heating Space	Operation modes	DHW		°C	-25-43 Heating and cooling
Power supply V-Hz, Ø 220-240-50. If	Operation modes Leaving water	DHW Space cooling		°C	-25-43 Heating and cooling 5-25
Number of heating stages	Operation modes	DHW Space cooling Space heating		°C	-25-43 Heating and cooling 5-25 25-62
Now Power Now No	Operation modes Leaving water	DHW Space cooling Space heating DHW (tank)		°C	-25-43 Heating and cooling 5-25 25-62 40-62
Power	Operation modes Leaving water	DHW Space cooling Space heating DHW (tank)		°C	-25-43 Heating and cooling 5-25 25-62 40-62
Maximum operating current A 13,6 Water connections mm(inch) 025,4 (1) Pressure relief valve MPa 0,6 Condensate drain 20 Expansion tank Total volume I 5 Actual volume I 5 Actual volume I 5 Initial pressure MPa 1 Initial pressure MPa 0,15 Heat exchanger Type PHE / plate heat exchanger Water pump head m 9 Water pump type DC Total water volume I 1,08	Operation modes Leaving water temperature	DHW Space cooling Space heating DHW(tank) Power supply		°C	25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, 1f
Water connections	Operation modes Leaving water	DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages		°C °C °C °C V-Hz, Ø pcs	-25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, 1f
Water circuit Pressure relief valve MPa 0,6 Water circuit Expansion tank Total volume I 5 Actual volume I 5 Maximum pressure MPa 1 Initial pressure MPa 0,15 Heat exchanger Type PHE / plate heat exchanger Minimum flow Vmin 6 Water pump type Total water volume DC Total water volume I 1,08	Operation modes Leaving water temperature	Space cooling Space heating DHW (tank) Power supply Number of heating stages Power		°C	-25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, 1f 1 3
Mater circuit Expansion tank Total volume I	Operation modes Leaving water temperature	DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current		°C °C °C V-Hz, Ø pcs kW A	25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, 1f 1 3 13,6
Water circuit Expansion tank Total volume I 5 Water circuit Actual volume I 5 Maximum pressure MPa 1 Initial pressure MPa 0,15 Heat exchanger Type PHE / plate heat exchanger Minimum flow Vmin 6 Water pump head m 9 Water pump type DC Total water volume I 1,08	Operation modes Leaving water temperature	DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections		°C °C °C V-Hz, Ø pcs kW A mm(inch)	25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, 1f 1 3 13,6 Φ25,4(1)
Water circuit Actual volume I 5 Maximum pressure MPa 1 Initial pressure MPa 0,15 Heat exchanger Type PHE / plate heat exchanger Minimum flow Vmin 6 Water pump head m 9 Water pump type DC Total water volume I 1,08	Operation modes Leaving water temperature	DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve		°C °C °C V-Hz, Ø pcs kW A mm(inch)	25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, If 1 3 13,6 425,4(1) 0,6
Water circuit Maximum pressure MPa 1 Initial pressure MPa 0,15 Heat exchanger Type PHE / plate heat exchanger Minimum flow Vmin 6 Water pump head m 9 Water pump type DC Total water volume I 1,08	Operation modes Leaving water temperature	DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain		°C °C °C V-Hz, Ø pcs kW A mm(inch) MPa	25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, If 1 3 13,6 Φ25,4 (1) 0,6 20
Initial pressure	Operation modes Leaving water temperature	DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain	Total volume	°C °C °C V-Hz, Ø pcs kW A mm(inch) MPa	25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, If 1 3 13,6 Φ25,4 (1) 0,6 20
Initial pressure	Operation modes Leaving water temperature	DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain		°C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm	.25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, 1f 1 3 13,6 Ф254 (1) 0,6 20 5
Heat exchanger	Operation modes Leaving water temperature Electric heater	DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain	Actual volume	°C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm	.25-43 Heating and cooling 5-25 25-62 40-62 220-40-50, 1f 1 3 13,6 Φ25,4(1) 0,6 20 5
Heat exchanger Minimum flow V/min 6 Water pump head m 9 Water pump type DC Total water volume I 1,08	Operation modes Leaving water temperature	DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain	Actual volume Maximum pressure	°C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm I	25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, 1f 1 3 13,6 025,4(1) 0,6 20 5 5
Minimum flow Vmin 6	Operation modes Leaving water temperature Electric heater	DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain	Actual volume Maximum pressure Initial pressure	°C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm I	25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, 1f 1 3 13,6 4055,4(1) 0,6 20 5 5 1 0,15
Water pump type DC Total water volume I 1,08	Operation modes Leaving water temperature Electric heater	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	Actual volume Maximum pressure Initial pressure Type	°C °C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm I MPa MPa	25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, 1f 1 3 13,6 Φ25,4(1) 0,6 20 5 5 1 0,15 PHE / plate heat exchanger
Total water volume I 1,08	Operation modes Leaving water temperature Electric heater	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	Actual volume Maximum pressure Initial pressure Type	°C °C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm I MPa MPa	.25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, 1f 1 3 13,6 Φ25,4(1) 0,6 20 5 5 1 0,15 PHE / plate heat exchanger 6
Total water volume I 1,08	Operation modes Leaving water temperature Electric heater	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	Actual volume Maximum pressure Initial pressure Type	°C °C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm I MPa MPa MPa	.25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, 1f 1 3 13,6 Φ25,4(1) 0,6 20 5 5 1 0,15 PHE / plate heat exchanger 6
	Operation modes Leaving water temperature Electric heater	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 Water pump head	Actual volume Maximum pressure Initial pressure Type	°C °C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm I MPa MPa MPa	.25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, 1f 1 3 13,6 4055.4(1) 6,6 20 5 1 1 1 1 1 1 1 1 1 1 1 1
	Operation modes Leaving water temperature Electric heater	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 Water pump head Water pump head	Actual volume Maximum pressure Initial pressure Type	°C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm I MPa MPa MPa MPa	.25-43 Heating and cooling 5-25 25-62 40-62 220-240-50, 1f 1 3 13,6 40-52,4(1) 0,6 20 5 1 1 0,15 PHE / plate heat exchanger 6 9 DC

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; (E