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MONO

## Windmi Monoblock heat pump

WIM140X3 [R14]









Environmentally friendly refrigerant R32



Twin rotary compressor



Vacation mode



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Efficient

Integrated electric Outdoor unit drip heater



Integrated temperature sensor



Weather operating modes (climate curve)

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Energy efficiency

class at 35°C

A+++

⋞⋑

tray heater

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Energy efficiency class at 55°C A++



Compressor crankcase heater



Dedicated application



WINDO

Operating range down to -25°C

WHE W

-25°C

::



WiFi module in wired controller

● 62°C

Maximum leaving

water temperature

of 62°C (in DHW

mode)



Daily operation



Modbus Protocol



PUNIS Л

EYMA

heatpump.keymat

m.

**62°C** 

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Supply water

temperature

of 62°C

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MON

Programmable Dry Contact









COP

4,65

Maximum

COP 4,65

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**\***++ **\***+

Disinfection

## ZOTENS O<sup>®</sup>

## Specification outdoor unit

Model EAN Code				
EAN Code				WIM140X3 R14
EAN Code				5905567602313
Power supply			V-Hz, Ø	380-420~50, 3f
Tower supply			kW	
Heating	Capacity			14,00
(A7/W35)	Rated input		kW	3,01
	COP			4,65
	Capacity		kW	14,00
Heating	Rated input		kW	3,94
(A7/W45)	COP			3,55
Heating	Capacity		kW	12,00
(A7/W55)	Rated input		kW	4,36
(00000)	COP			2,75
	Capacity			13,50
Cooling	Rated input		kW kW	3,46
(A35/W18)			KVV	
	EER			3,90
	Capacity		kW	12,00
Cooling (A35/W7)	Rated input		kW	4,44
	EER			2,7
	SCOP (1)			4,94
Seasonal energy	Rated heat output		kW	14,03
efficiency	Seasonal energy efficiency ratio (ηS)		96	195
LWT at 35°C	Annual energy consumption		kWh	5789
	Seasonal space heating energy efficiency class <sup>(1)</sup>			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
				A++
	Seasonal space heating energy efficiency class (1)			
SEER	LWT at 7°C			5,05
LWT at 18°C			6,37	
Minimum rated curr	rent of the overcurrent circuit breaker w	ith breaker type	A	825
Compressor		Туре		Twin rotary inverter compressor DC
				Brushless DC motor / BLDC
Fan		Туре		
		Quantity		2
		Туре		R32
		GWP		675
Refrigerant			kg	2,6
		Quantity		
			TCO <sub>2</sub> eq	1,76
Minimal wire pcs and dimension of cords*		pcs × mm²	5×4	
Bracket spacing (W1 × D)		mm	636 × 320 × 456	
- active spacing		(VVI × D)		
	el	(WT × D)	dB(A)	56
Sound pressure leve	el	(W1 × D)	dB(A)	56
Sound pressure level	el	1	dB(A)	69
Sound pressure level Sound power level Net dimensions	el	(W × D × H)	dB(A) mm	69 1302 × 456 × 1425
Sound pressure level	el	1	dB(A)	69
Sound pressure level Sound power level Net dimensions		1	dB(A) mm	69 1302 × 456 × 1425
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w	weight	1	dB(A) mm mm	69 1302×456×1425 1364×485×1600
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor	weight Cooling / Heating	1	dB(A) mm mm kg °C	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	weight	1	dB(A) mm mm kg	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	weight Cooling / Heating DH	1	dB(A) mm kg °C °C	69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / -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	1	dB(A) mm mm kg °C	69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / -25-43 -25-43
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water	weight Cooling / Heating DH	1	dB(A) mm kg °C °C	69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / -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	1	dB(A) mm kg °C °C	69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 -5-50 / -25-43 -25-43 Heating and cooling 5-25
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water	veight Cooling / Heating DHW Space cooling Space heating DHW (tank)	1	dB(A) mm kg °C °C °C °C °C	69 1302 × 456 × 1425 1364 × 485 × 1600 122 / 192 -5-50 / -25-43 -25-43 Heating and colling 5-25 25-62 40-62
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water	veight Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply	1	dB(A) mm kg °C °C °C °C V-Hz, Ø	69 1302 × 456 × 1425 1364 × 485 × 1600 122 / 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 temperature	veight Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages	1	dB(A) mm kg °C °C °C °C °C V-Hz, Ø pcs	69 1302×456×1425 1364×485×1600 1727/192 -5-50/-25-43 -25-43 Heating and cooling 5-25 25-62 40-62 380-420-50, 3f 3
Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water	veight Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power	1	dB(A) mm kg °C °C °C °C V-Hz, Ø	69 1302 × 456 × 1425 1364 × 485 × 1600 122 / 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 temperature	veight Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages	1	dB(A) mm kg °C °C °C °C °C V-Hz, Ø pcs	69 1302×456×1425 1364×485×1600 1727/192 -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	veight Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power	1	dB(A) mm kg °C °C °C °C °C °C V-Hz, Ø pcs kW	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 temperature Operation modes Leaving water temperature	veight Cooling / Heating DHW Space cooling Space heating DHV (tank) Power supply Number of heating stages Power Maximum operating current Water connections	1	dB(A)           mm           mm           kg           °C           °C           °C           vHa           VHa           kW           A	69         1302 × 456 × 1425         1364 × 485 × 1600         172 / 192         -5-50 / 25-43         25-53         Heating and coling         5-25         25-62         40-62         380 420-50, 3f         3         9         13,6         Φ31,75 (1,25)
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature	veight Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve	1	dB(A)           mm           mm           kg           °C           °C           °C           V-Hz, Ø           pess           kW           A           mm(inch)           MPa	69 1302 × 456 × 1425 1364 × 485 × 1600 1364 × 485 × 1600 172 / 192 365 × 50 / 25 - 43 25 - 43 Heating and colling 5 - 25 25 - 62 40 - 62 380 420 - 50. 3f 3 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	veight Cooling / Heating DHW Space cooling Space heating DHV (tank) Power supply Number of heating stages Power Maximum operating current Water connections	(W × D × H)	dB(A)           mm           mm           kg           °C           °C           °C           V-Hz, Ø           pcs           kW           A           mm(inch)           MPa	69 1302 × 456 × 1425 1364 × 485 × 1600 1364 × 485 × 1600 172 / 192 - 5-50 / -25-43 - 25-43 - 25-43 - 25-62 25-62 25-62 380-420-50, 3f 380-420-50, 3f - 3 9 9 9 0 6 25, 50 - 25 - 26 - 25 -
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature	veight Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve	1	dB(A)           mm           mm           kg           °C           °C           °C           V-Hz, Ø           pess           kW           A           mm(inch)           MPa	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 temperature Operation modes Leaving water temperature	veight 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)	dB(A)           mm           mm           kg           °C           °C           °C           V-Hz, Ø           pcs           kW           A           mm(inch)           MPa	69         1302 × 456 × 1425         1364 × 485 × 1600         1364 × 485 × 1600         122 / 192         -5-50 / -25-43         -25-43         Heating and colling         5-25         25-62         380 420-50, 3f         9         9         13.6         0431,75 (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 Electric heater	veight 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)	dB(A)           mm           mm           %c	69         1302 × 456 × 1425         1304 × 485 × 1600         172 / 192         -5-50 / -25-43         -25-53         Heating and cooling         5-25         25-62         40-62         380-420-50, 3f         9         9         9         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	veight 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)	dB(A)           mm           mm           %C	69 1302 × 456 × 1425 1364 × 485 × 1600 172 / 192 3.5-50 / -25-43 3.5-25 3.5-25 3.5-25 3.5-25 3.5-25 3.30 420-50, 3f 3.30 420-50, 3f 3.30 420-50, 3f 3.30 420-50, 3f 3.30 4.0-62 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature Electric heater	veight 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) (W × D × H) Total volume Actual volume Maximum pressure Initial pressure	dB(A)           mm           mm           %c	69 1302 × 456 × 1425 1302 × 456 × 1425 1364 × 485 × 1600 1364 × 485 × 1600 172 / 192 1.5-50 / 25-43 1.5-25
Sound pressure level 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) (W × D × H) Total volume Actual volume Maximum pressure Initial pressure Type	dB(A)           mm           mm           kg           °C           °C           °C           V-Hz, Ø           pers           kW           A           mm(inch)           MPa           MPa           MPa	69 1302 × 456 × 1425 1302 × 456 × 1425 1364 × 485 × 1600 1364 × 485 × 1600 172 / 192 172 / 192 1.5-50 / 25-43 1.5-25 1.5-
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature Electric heater	veight 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) (W × D × H) Total volume Actual volume Maximum pressure Initial pressure	dB(A)           mm           mm           %C	69         1302 × 456 × 1425         1364 × 485 × 1600         172 / 192         -550 / 25-43         -25-43         Heating and coling         5-25         25-62         40-62         380 420-50, 3f         3         9         13,6         9         13,6         9         13,6         9         13,6         9         5         5         5         5         5         1         0,15
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature Electric heater	veight Cooling / Heating DHW Space cooling Space heating DHW(ank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain Expansion tank Heat exchanger	(W × D × H) (W × D × H) Total volume Actual volume Maximum pressure Initial pressure Type	dB(A)           mm           mm           kg           °C           °C           °C           V-Hz, Ø           pers           kW           A           mm(inch)           MPa           MPa           MPa	69 1302 × 456 × 1425 1302 × 456 × 1425 1364 × 485 × 1600 1364 × 485 × 1600 172 / 192 172 / 192 1.5-50 / 25-43 1.5-25 1.5-
Sound pressure level 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 Water pump head	(W × D × H) (W × D × H) Total volume Actual volume Maximum pressure Initial pressure Type	dB(A)           mm           mm           % </td <td>69 1302 × 456 × 1425 1302 × 456 × 1425 1304 × 485 × 1600 172 / 192 173 / 192 172 / 192 172 / 192 172 / 192 172 / 192 172 / 192 172 / 192</td>	69 1302 × 456 × 1425 1302 × 456 × 1425 1304 × 485 × 1600 172 / 192 173 / 192 172 / 192 172 / 192 172 / 192 172 / 192 172 / 192 172 / 192
Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature Electric heater	veight Cooling / Heating DHW Space cooling Space heating DHW(ank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain Expansion tank Heat exchanger	(W × D × H) (W × D × H) Total volume Actual volume Maximum pressure Initial pressure Type	dB(A)           mm           mm           % </td <td>69         1302 × 456 × 1425         1304 × 485 × 1600         172 / 192         -5-50 / 25-43         1302 × 456 × 1425         1304 × 485 × 1600         172 / 192         -5-50 / 25-43         1302 × 56 / 25         1302 × 56 / 25         1302 × 56 / 25         1302 × 56 / 25         1304 × 485 × 1600         1304 × 485 × 1600         1304 × 25 - 43         1304 × 25 - 52         1304 × 62 / 20         1305 × 25 - 52         1306 × 20 - 50 3f         1306 × 20         1306 × 20         1006 × 20         1100 × 20</td>	69         1302 × 456 × 1425         1304 × 485 × 1600         172 / 192         -5-50 / 25-43         1302 × 456 × 1425         1304 × 485 × 1600         172 / 192         -5-50 / 25-43         1302 × 56 / 25         1302 × 56 / 25         1302 × 56 / 25         1302 × 56 / 25         1304 × 485 × 1600         1304 × 485 × 1600         1304 × 25 - 43         1304 × 25 - 52         1304 × 62 / 20         1305 × 25 - 52         1306 × 20 - 50 3f         1306 × 20         1306 × 20         1006 × 20         1100 × 20

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

(1) Seasonal energy entitempt of uses measured under average dimate containers. Notes: DHW – Domestic hot water, LWT – Leaving water temperature The sound pressure levels in easing of min for of the unit and (1+1)/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; A7W55 ΔT=6; 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 IΔn: 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.