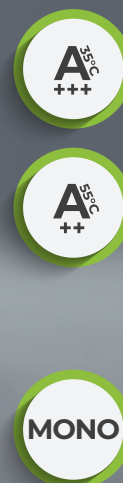


Widmi Monoblock heat pump

WIM80X1 [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 4,70	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				WIM80X1 R14	
EAN Code				5905567602283	
Power supply			V-Hz, Ø	220-240–50, 1f	
Heating (A7/W35)	Capacity		kW	8,00	
	Rated input		kW	1,70	
	COP			4,70	
Heating (A7/W45)	Capacity		kW	8,00	
	Rated input		kW	2,22	
	COP			3,60	
Heating (A7/W55)	Capacity		kW	7,70	
	Rated input		kW	2,70	
	COP			2,85	
Cooling (A35/W18)	Capacity		kW	7,00	
	Rated input		kW	1,75	
	EER			4,00	
Cooling (A35/W7)	Capacity		kW	6,50	
	Rated input		kW	2,24	
	EER			2,90	
Seasonal energy efficiency LWT at 35°C	SCOP ⁽¹⁾			4,90	
	Rated heat output		kW	8,09	
	Seasonal energy efficiency ratio (η _S)		%	193	
	Annual energy consumption		kWh	3335	
	Seasonal space heating energy efficiency class ⁽¹⁾			A+++	
Seasonal energy efficiency LWT at 55°C	SCOP ⁽¹⁾			3,36	
	Rated heat output		kW	7,61	
	Seasonal energy efficiency ratio (η _S)		%	131	
	Annual energy consumption		kWh	4590	
	Seasonal space heating energy efficiency class ⁽¹⁾			A++	
SEER	LWT at 7°C			4,79	
	LWT at 18°C			6,80	
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	
		Type		R32	
Refrigerant			GWP	675	
	Quantity		kg	1,6	
			TCO ₂ eq	1,08	
Power cables: outdoor unit			il. × mm ²	3 × 10	
Bracket spacing		(W1 × D)	mm	659 × 320 × 459	
Sound pressure level			dB(A)	54	
Sound power level			dB(A)	65	
Net dimensions		(W × D × H)	mm	1335 × 459 × 816	
Gross dimensions			mm	1420 × 535 × 990	
Net weight / Gross weight			kg	114,7 / 132,5	
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)	Ø25,4 (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.