

HEATING

HOT WATER

HWMB 2211 A | HWMB 2311 A | HWMB 2411 A

Monobloc heat pump water heater
200/300/400 litres "Ducted" series



Monobloc floor-standing heat pump water heater

R134A | Refrigerant gas

InoxStainless steel tank

60° C | Hot water with compressor only

Improved **Titanium Anode** electronic management

Anti-legionella cycle | Customizable for different needs or excludable

Innovative soft touch control panel for easy commissioning, use and maintenance

ErP Ready

No solar thermal integration



PERFORMANCE

MODEL	RATED LOAD	ENERGY CLASS	COP According EN 16147
HWMB 2211 A	200 L	A	2.64
HWMB 2311 A	300 L	A	2.69
HWMB 2411 A	400 L	A	2.81

Model		HWMB 2211 A	HWMB 2311 A	HWMB 2411 A
Tank volume	L	200	300	400
Solar integration coil (Stainless Steel)	m ²	not present	not present	not present
Nominal thermal power ¹	W	2020	2020	2020
Nominal power consumption ¹	W	486	486	486
Nominal COP ¹	W/W	4.16	4.16	4.16
Nominal DHW production capacity ¹	L/h	43.2	43.2	45
COPDHW ²	W/W	2.64	2.69	2.81
Test cycle profile ²	-	L	XL	XL
Hot water volume at 40°C ²	L	251	380	439
Energy efficiency (η _{wh}) ³	%	110	111	114
Energy efficiency class ³	-	A	A	A
IP protection rating	-	IPX1	IPX1	IPX1
Hot water temperature regulation range	°C	10~70 (50 default)	10~70 (50 default)	10~70 (50 default)
Maximum hot water temperature compressor only	°C	60	60	60
Electrical data	Power supply	Ph-V-Hz 1-220~240V-50Hz		
	Integrative electrical resistance	1500		
	Maximum current (including resistance)	10.00		
Refrigerant circuit data	Refrigerant ⁴	R134a (1430)		
	Quantity	0.80		
	Tons of CO ₂ equivalent	1.144		
	Compressor	Rotary ON/OFF		
Hydraulic data	Tank material	Stainless Steel 304		
	DHW connections	G1" (DN25)		
	Solar coil connections	-		
	Maximum operating pressure	10		
Air ducts	Air flow rate (with ducts)	400		
	Fan's static pressure	60		
	Internal diameter	180		
	Maximum length	6		
Product specifications	Work field	-5~+43		
	Anode type	Titanium electrode with alarm LED		
	Sound power level	55		
	Dimensions (Diam. x H)	ø560x1745		
	Net weight	90		
Controls	On-board machine control	Incluso		
	WiFi module	Integrated		

1. Conditions: intake air 20°C DB (15°C WB), water inlet 15°C / outlet 55°C. 2. Test according to EN16147; air 7°C, water inlet 10°C.

3. Directive 2009/125/EC - ERP EU n. 814/2013 (TUV Sud certification for all models). 4. Refrigerant leakage contributes to climate change. If released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 1430. Therefore, if 1 kg of this refrigerant were released into the atmosphere, the impact on global warming would be 1430 times higher than 1 kg of CO₂, over a period of 100 years. Under no circumstances should the user attempt to intervene on the refrigerant circuit or disassemble the product. If necessary, always contact qualified personnel.

HEATING

COMFORT AT HOME

Programming to take advantage of any advantageous time slots on the electricity rate and have hot water available when needed.

Two operating modes: maximum savings with the use of the compressor alone or maximum speed with the simultaneous use of the heat pump and integrated electric resistance, to produce large quantities of DHW in short times.

INSTALLATION WARNINGS

1. It is mandatory to install a safety and non-return valve on the cold water inlet. Failure to do so may seriously damage the equipment. Use a valve with a 0.7 MPa setting. For the installation location, refer to the piping connection diagram.
2. The safety valve discharge pipe must be vertical and must not be placed in an environment at risk of freezing.
3. Water must be able to drip freely from the tube and its end must be left free.
4. The safety valve must be tested regularly to verify its functioning and to remove any limescale that may block it.

SAFETY

Since the heat exchanger is outside the tank, no contamination between water and refrigerant is possible.

Anti-legionella system: the danger of legionella bacteria is averted thanks to periodic cycles that raise the temperature of the water inside the tank above 65° C.

The titanium anode protects the tank from the corrosive action of water in an inexhaustible way: it guarantees greater reliability and lower maintenance costs compared to a solution with a magnesium anode.

HYDRAULIC CONNECTION DIAGRAM

