Hot Water monobloc 200/300/400 litres at **R290 Ducted** series

- Floor-standing heat pump water heaters
- R290 refrigerant gas
- Titanium anode with alarm LED
- Additional 1.5 kW electric heating element
- Hot water up to 60°C with compressor alone; up to 70° C with electric heating element integration

INTEGRATED Wi-Fi

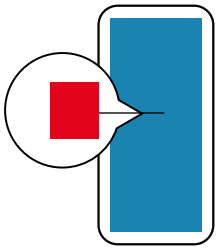
TWMBS 2203 J-1
TWMBS 2303 J-1
TWMBS 2403 J-1

Energy class

Model			TWMBS 2203 J-1	TWMBS 2303 J-1	TWMBS 2403 J-1
Tank volume		L	200	300	400
Rated thermal power[1]		W	1500	1500	1500
Rated power consumption[1]		W	388	388	388
COP (rated)[1]		W/W	3.87	3.87	3.87
Rated hot water production capacity[1]		L/h	32.0	32.0	32.0
COPDHW[2]		W/W	3.04	3.24	3.44
Test cycle profile[2]		-	L	XL	XXL
Hot water volume at 40°C[2]		L	291	377	479
Energy efficiency (η wh)[3]		%	130	132	141
Energy Efficiency Class[3]		-	A+	A+	A+
IP protection rating		-	IPX1	IPX1	IPX1
Hot water T. adjustment range		°C	35~65	35~65	35~65
Maximum hot water T. compressor only		°C	65	65	65
Electrical data	Power	Ph-V-Hz	1-220~240V-50Hz		
	Integrative heating element	W	1500	1500	1500
	Maximum current (including heating element)	A	9.5	9.5	9.5
Refrigerant circuit	Refrigerant[4]	type (GWP)	R290 (0.02)		
	Quantity	kg	0.15	0.15	0.15
	Compressor	type	Rotary ON/OFF		
Hydraulic data	Tank material	-	Stainless steel 304		
	DHW hydraulic connections	inches	G3/4" (DN20)		
	Hydraulic solar coil connections	inches	-	-	-
	Maximum operating pressure	bar	10	10	10
Air ducts	Air flow (without ducts)	m^3/h	290	290	290
	Fan static pressure (max)	Pa	60	60	60
	Inside diameter	mm	180	180	180
	Length Max	m	8	8	8
Product specifications	Operating range	°C	-5~+43	-5~+43	-5~+43
	Titanium anode		Titanium electrode with alarm LED		
	Sound power level	dB(A)	51	51	51
	Dimensions (D x H)	mm	ø560x1745	ø640x1840	ø700x1880
	Net weight	kg	80	85	95
Controls	Wired control on board the machine		Included		
	WiFi Module		Integrated		

1. Conditions: intake air 20°C DB (15°C WB), inlet water 15°C / outlet 55°C. 2. Test according to EN16147; air 7°C, inlet water 10°C.
3. Directive 2009/125/EC - ERP EU n. 814/2013 (SGS-CSTC certification for all models). 4. Refrigerant leakage contributes to climate change. When 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 0.02. if 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 50 times less than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

Product benefits



Durable titanium anode

Titanium anode as standard with the Hot Water system.

R290 NEW REFRIGERANT

Comfort at home

- Programming to take advantage of any advantageous time slots on the electricity tariff 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 heating element, to produce large quantities of DHW in a short time.

Safety

- Since the heat exchanger is outside the tank, no contamination between water and coolant 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 storage tank above 65°C.
- The titanium anode permanently protects the tank from the corrosive action of the water, ensuring greater reliability and lower maintenance costs than a magnesium anode solution.

5 installation modes

1. Recirculated air installation: air inlet and outlet take place in the installation premises.
2. Installation with internal air intake and air extraction outdoors.
3. Installation with intake from another room and expulsion outdoors
4. Installation with air intake from another room and expulsion to an internal room (with or without ducting).
5. Installation with air intake and extraction to the external environment.

Hydraulic connections diagram