Hot Water monoblock 200/300 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

TWMBS 2203 J
TWMBS 2303 J

Energy class

R290 NEW REFRIGERANT

Stainless steel tank

UP TO 300L CAPACITY

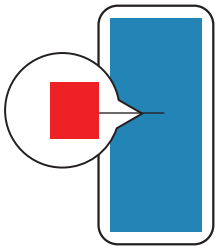
ANTI-LEGIONELLA CYCLE

Model			TWMBS 2203 J*	TWMBS 2303 J*
Tank volume		L	200	300
Solar integration coil (stainless steel)		m2	Not present	
Rated thermal power[1]		W	1500	1500
Rated power consumption[1]		W	345	345
COP (rated)[1]		W/W	4.35	4.35
Rated hot water production capacity[1]		L/h	32.0	32.0
COPDHW[2]		W/W	3.24	3.24
Test cycle profile[2]		-	L	XL
Volume of hot water at 40°C[2]		L	250	377
Energy Efficiency Class[3]		-	A+	A+
IP Degree of protection		-	IPX1	IPX1
Hot water T. adjustment interval		°C	35~65	35~65
Maximum DHW temperature only compressor		°C	65	65
Electrical data	Power	Ph-V-Hz	1-220~240V-50Hz	
	Integrative heating element	W	1500	1500
	Maximum current (including heating element)	A	9.60	9.60
Refrigerant circuit	Refrigerant[4]	type (GWP)	R290 (0.02)	R290 (0.02)
	Quantity	kg	0.15	0.15
	Compressor	type	Rotary ON/OFF	
Product specifications	Dimensions (D x H)	mm	ø600x1645	ø640x1850
	Net weight	kg	95	100
	Sound power level	dB(A)	51	51
	Sound pressure level at 2 m	dB(A)	45	45
Tank	Tank material	-	Stainless steel 304	
	DHW hydraulic connections	inches	G3/4" (DN20)	G3/4" (DN20)
	Hydraulic solar coil connections	inches	-	-
	Titanium anode	-	Titanium electrode with alarm LED	
	Maximum operating pressure	bar	10	10
Suctioned air	Operating range	°C	-5~+43	
	Rated flow (not ducted)	m³/h	350	350
	Air flow (ducted)	Pa	60	60
	Air duct - Diameter	mm	177	177
	Air duct - Length	m	8	8

* DRAFT: data subject to change without notice.

1. Conditions: air intake 15° C DB (12° C WB), water inlet 15°C / outlet 45° C. 2. Test according to EN16147.
3. Directive 2009/125/EC - ERP EU No. 814/2013. 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