

Hot Water monoblock 200/300/500 litre **DUCTED** series

- Floor-standing heat pump water heaters
- R134A 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

| Capacity | Intake temperature (°C) | | |
|----------|-------------------------|--------|--------|
| | 20 | 15 | 7 |
| 200 | 4.16* | 2.64** | 2.20** |
| 300 | 4.16* | 2.69** | 2.30** |
| 500 | 4.02* | - | 2.66** |

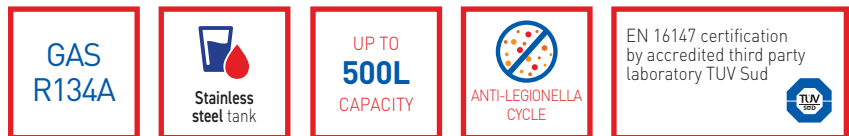
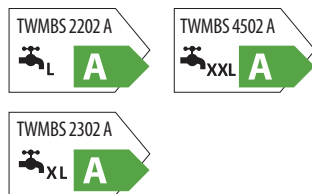
* Factory test with air intake 20°C DB(15° C WB), water inlet 15°C/outlet 55°C.

** Test according to EN 16147.



TWMB5 2202 A
TWMB5 2302 A
TWMB5 4502 A

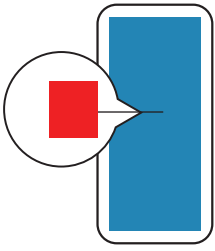
Energy class



| Model | | TWMB5 2202 A | TWMB5 2302 A | TWMB5 4502 A | |
|--|---|--------------------|-----------------------------------|--------------------|-----|
| Tank volume | L | 200 | 300 | 500 | |
| Solar integration coil (stainless steel) | m ² | not present | not present | not present | |
| Rated thermal power ¹ | W | 2020 | 2020 | 3800 | |
| Rated power consumption ¹ | W | 486 | 486 | 945 | |
| Rated hot water production capacity ¹ | L/h | 43.2 | 43.2 | 81.7 | |
| COP (rated) ¹ | W/W | 4.16 | 4.16 | 4.02 | |
| COPDHW ² | W/W | 2.64 | 2.69 | 2.66 | |
| Test cycle profile ² | - | L | XL | XXL | |
| Volume of hot water at 40°C ² | L | 251 | 380 | 594 | |
| Energy Efficiency Class ³ | - | A | A | A | |
| IP Degree of protection | - | IPX1 | IPX1 | IPX1 | |
| Hot water T. adjustment interval | °C | 10~70 (50 default) | 10~70 (50 default) | 10~70 (50 default) | |
| Maximum DHW temperature only compressor | °C | 60 | 60 | 60 | |
| Electrical data | Power | Ph-V-Hz | 1-220~240V-50Hz | | |
| | Integrative heating element | W | 1500 | | |
| Refrigerant | Maximum current (including heating element) | A | 10.00 | 13.00 | |
| | Type (GWP) ⁴ | - | R134a (1430) | R134a (1430) | |
| | Quantity | kg | 0.80 | 0.80 | |
| | Tons of CO2 equivalent | t | 1.144 | 1.144 | |
| Compressor | - | - | Rotary ON/OFF | | |
| Dimensions | Unit ø x H | mm | 560 x 1755 | 640 x 1850 | |
| | Net weight | kg | 90 | 100 | |
| Sound power level | dB(A) | 55 | 56 | 59 | |
| Sound pressure level at 2 m | dB(A) | 46 | 46 | 48 | |
| Tank | Tank material | - | Stainless steel 304 | | |
| | DHW hydraulic connections | inches | G1" (DN25) | G1" (DN25) | |
| | Hydraulic solar coil connections | inches | - | - | |
| | Titanium anode | - | Titanium electrode with alarm LED | | |
| | Maximum operating pressure | bar | 10 | 10 | 10 |
| Suctioned air | Operating range | °C | -5~+43 | | |
| | Rated flow (not ducted) | m ³ /h | 400 | 400 | 800 |
| | Air flow (ducted) | Pa | 60 | 60 | 60 |
| | Air duct - Diameter | mm | 177 | 177 | 177 |
| | Air duct - Length | m | 6 | 6 | 6 |

1. Conditions: air intake 20°C DB (15°C WB), water inlet 15°C / outlet 55°C. 2. Test according to EN16147, air intake 15°C for 200 and 300 liter models; air 7°C for 500L model. 3. Directive 2009/125/EC - ERP EU No. 814/2013 (TUV Sud 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 1430. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, 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 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.

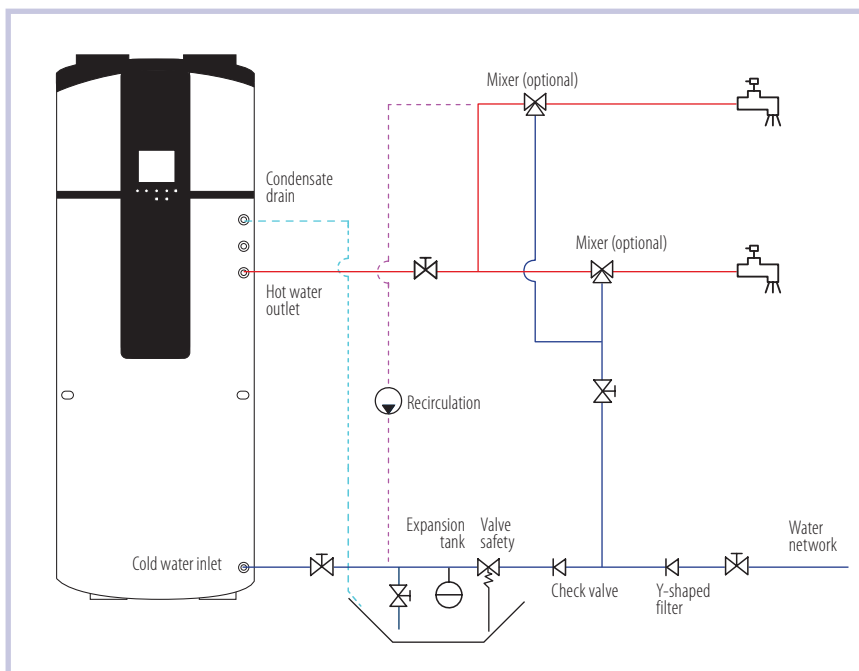
Comfort at home

- 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.

Hydraulic connections diagram



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.