HEAT PUMP WATER HEATERS **HOT WATER**

Ducted Kitchen *series*

Indoor units	Range
 TWMMS 09080 J	✓ 80 LITRES 0.95 kW
 TWMMS 09100 J	✓ 100 LITRES 1.00 kW
 TWMMS 09150 J	✓ 150 LITRES 1.30 kW

Ducted *series*

Indoor units	Range
 TWMBS 2203 J-1	✓ 200 LITRES 1.50 kW
 TWMBS 2303 J-1	✓ 300 LITRES 1.50 kW
 TWMBS 2403 J-1	✓ 400 LITRES 1.50 kW

WiFi and **titanium anode** included as standard

Hot Water monobloc 80/100/150 litres at **R290** **Ducted Kitchen** series

INTEGRATED Wi-Fi

- Monobloc heat pump water heater, designed to be installed inside the tall cabinetry of the kitchen
- R290 refrigerant gas
- Vitrified galvanized steel
- Energy Efficiency Class **A+**
- Hot water up to 65° C with compressor only
- Anti-Legionella cycle
- Exceptional resistance to corrosion thanks to the **titanium anode included as standard**

TWMMS 09080 J
TWMMS 09100 J
TWMMS 09150 J

Energy class

TWMMS 09080 J — A+ (M)
TWMMS 09100 J — A+ (M)
TWMMS 09150 J — A+ (L)

R290 NEW REFRIGERANT
Titanium anode included
145L CAPACITY
ANTI-LEGIONELLA CYCLE

Model			TWMMS 09080 J	TWMMS 09100 J	TWMMS 09150 J
Tank volume		L	78	98	145
Rated thermal power[1]		W	950	980	1300
Rated power consumption[1]		W	250	258	351
COP (rated)[1]		W/W	3.80	3.80	3.70
Rated hot water production capacity[1]		L/h	20.5	21.0	28.0
COPDHW[2]		W/W	2.61	2.61	2.79
Test cycle profile[2]		-	M	M	L
Hot water volume at 40°C[2]		L	85	110	160
Energy efficiency (η wh)[3]		%	112	111	122
Energy Efficiency Class[3]		-	A+	A+	A+
IP protection rating		-	IP21	IP21	IP21
Hot water T. adjustment range		°C	38~70 (50 default)	38~70 (50 default)	38~70 (50 default)
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		
	Maximum current (including heating element)	A	9.00	9.00	10.50
Refrigerant circuit	Refrigerant[4]	type (GWP)	R290 (0.02)		
	Quantity	kg	0.15	0.15	0.15
	Compressor	type	Rotary ON/OFF		
Product specifications	Dimensions (D x H)	mm	ø500 x 1196	ø500 x 1360	ø500 x 1707
	Net weight	kg	57	62	80
	Noise power level (without channels)	dB(A)	54	54	56
	Working range (compressor only)	°C	-7~+43		
Tank	Tank material	-	Vitrified galvanized steel		
	Heat exchanger	type	Microchannel aluminum		
	DHW hydraulic connections	inches	G1/2" (DN15)	G1/2" (DN15)	G1/2" (DN15)
	Titanium anode	-	Titanium electrode		
	Maximum operating pressure	Mpa	0.8	0.8	0.8
Air ducts	Air flow (without ducts)	m³/h	190	200	240
	Fan static pressure (max)	Pa	20	20	30
	Air duct - Diameter	mm	160	160	160
	Air duct - Length	m	5	5	5

1. Conditions: intake air 15°C DB (12°C WB), water inlet 15°C / outlet 45°C. 2. Test according to EN16147/2017; intake air 7°C, water inlet 10°C.
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.

R290
NEW REFRIGERANT

Comfort at home

Designed to be installed in the kitchen, just like a traditional boiler, the "Ducted Kitchen" series is conveniently placed inside the tall cabinetry of the kitchen, with air extraction to the outside.

Safety

- The tank is protected from corrosion by the titanium anode included as standard.
- 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.

Installation warnings

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