Hot Water monoblock 80 litre **DUCTED Kitchen** series

- Monoblock heat pump water heater, designed to be installed inside the tall cabinetry of the kitchen
- R134A refrigerant gas
- Magnesium anode
- Energy Efficiency Class **A++**
- COP 3.04*
- Hot water up to 60°C with compressor only
- Anti-Legionella cycle
- Outstanding corrosion resistance
- Exceptional resistance to corrosion thanks to **Duplex technology**

* According to EN 16147

TWMBS 8080-D A

Energy class

GAS R134A

with **Duplex technology**

UP TO **80L** CAPACITY

ANTI-LEGIONELLA CYCLE

EN 16147 certification by accredited third party laboratory TUV Sud

Model			TWMBS 8080-D A
Tank volume		L	80
Solar integration coil (Inox)		m^2	not present
Nominal thermal output[1]		W	1050
Nominal power consumption[1]		W	250
Nominal DHW production capacity[1]		L/h	20
Nominal COP[1]		W/W	4.2
COPDHW[2]		W/W	3.04
Test cycle profile[2]		-	M
Warm-up time[2]		hh:mm	03:42
Hot water volume at 40°C[2]		L	116
Energy Efficiency Class[3]		-	A++
IP protection rating		-	IPX1
Hot water T. adjustment range		°C	38~70 (50 default)
Maximum hot water T. compressor only		°C	60
Electrical data	Power supply	Ph-V-Hz	1-220~240V-50Hz
	Additional electric heating element	W	1500
	Maximum current (including heating element)	A	8.30
Refrigerant	Type (GWP)[4]	-	R134a (1430)
	Quantity	kg	0.65
	Tonnes of CO2 equivalent	t	0.930
Compressor		-	Rotary ON/OFF
Dimensions	Unit ø x H	mm	520 x 1160
	Net weight	kg	50
Noise power level		dB(A)	46
Noise pressure level at 2 m		dB(A)	31
Tank	Tank material	-	Duplex Stainless Steel
	DHW hydraulic connections	inches	G1/2" (DN15)
	Solar coil hydraulic connections	inches	-
	Type of anode	-	Magnesium bar
	Maximum operating pressure	bar	10
Intake air	Field of work	°C	-5~+43
	Air flow rate (with ducting)	m^3/h	300
	Fan head	Pa	60
	Air ducting - Diameter	mm	120
	Air ducting - Maximum length	m	8

1. Conditions: air intake 20°C db (15°C WB), water inlet 15°C/outlet 55°C. 2. Test according to EN 16147; air intake 20°C.
3. Directive 2009/125/EC - ERP EU No. 814/2013 (TUV Sud certification). 4. 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.

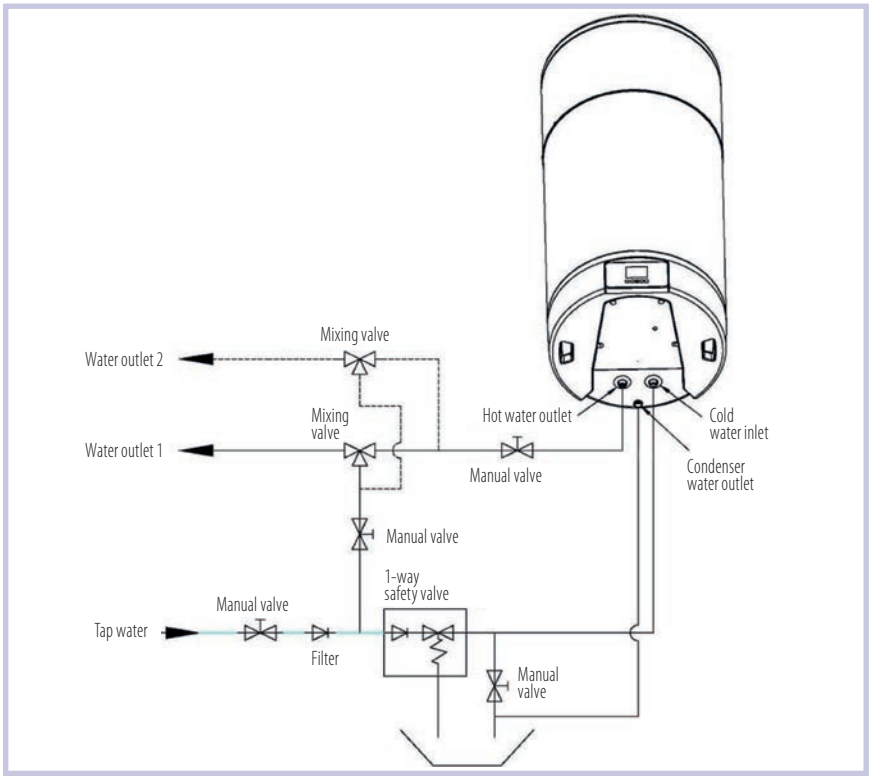
Comfort at home

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 made of Duplex, an extremely strong and corrosion-resistant variety of stainless steel.
- 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.

Hydraulic connections diagram



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.