HOT WATER

Water heater with heat pump

200/300/500 litre "Ducted" monobloc series

No integration with solar thermal

GAS R134A

EN 16147 certification from an TUV Sud accredited.

up to 500LT capacity

Stainless steel tank

Anti-legionella cycle

ErP Ready

HWMBS 2201 A
HWMBS 2301 A
HWMBS 4501 A

Water heater with heat pump, monobloc on base.

R134A | Refrigerant gas.

Stainless steel tank.

60° C | Hot water with the compressor only.

COP 2.64* | For 200 litre model.

COP 2.69* | For 300 litre model.

COP 2.66* | For 500 litre model.

Anti-legionella cycle | Can be customized for different needs or can be excluded.

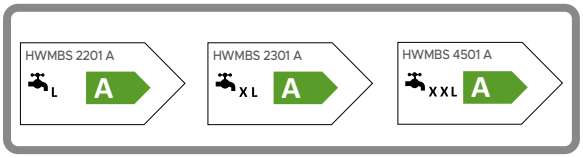
Innovative soft touch control panel to facilitate commissioning, use and maintenance

* In accordance with EN 16147

Model			HWMBS 2201 A	HWMBS 2301 A	HWMBS 4501 A
Tank volume		L	200	300	500
Solar integration coil (stainless steel)		m2	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
COP_{DHW}[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		
	Maximum current (including heating element)	A	10.00	10.00	13.00
Refrigerant	Type (GWP)	-	R134a (1430)	R134a (1430)	R134a (1430)
	Quantity	kg	0.8	0.8	1.6
	Tons of CO2 equivalent	t	1.144	1.144	2.280
Compressor		-	Rotary ON/OFF		
Dimensions	Unit ø x H	mm	560 x 1755	640 x 1850	700 x 2230
	Net weight	kg	90	100	117
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	(" - DN)	1" - DN25	1" - DN25	1" - DN25
	Hydraulic solar coil connections	(" - DN)	-	-	-
	Titanium anode with alarm led	-	G3/4" - ø3x420	G3/4" - ø3x420	G3/4" - ø3x480
	Maximum operating pressure	bar	10	10	10
Suctioned air	Operating range	°C	-5~+43		
	Rated flow (not ducted)	m3/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: suctioned air 20° C DB (15° C WB). Inlet water 15° C / outlet 55° C. 2 Test according to EN16147; aria 7° C. 3 Directive 2009/125/ CE - ERP EU n. 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.

ENERGY EFFICIENCY CLASS



HYDRAULIC CONNECTIONS DIAGRAM