HOT WATER

Water heater with heat pump

200/300/500 litre "Ducted" monobloc series

Possibility of 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 HEA
HWMBS 2301 HEA
HWMBS 4501 HEA

Water heater with heat pump, monobloc on base with the possibility of integration with solar thermal

R134A | Refrigerant gas.

Stainless steel tank.

60° C | Hot water with the compressor only.

COP 2.61* | For 200 litre model.

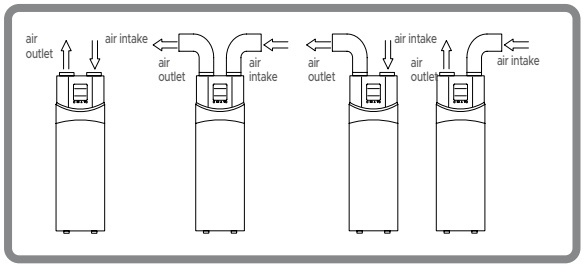
COP 2.68* | For 300 litre model.

COP 2.66* | For 500 litre model.

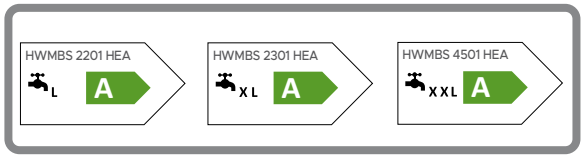
Anti-legionella cycle | Can be customized for different needs or can be excluded.

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

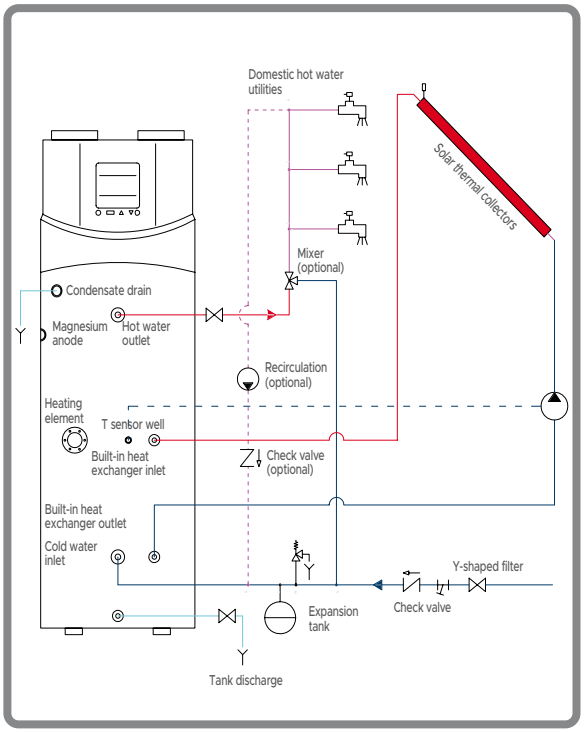
* In accordance with EN 16147



ENERGY EFFICIENCY CLASS



HYDRAULIC CONNECTIONS DIAGRAM



Model			HWMBS 2201 HEA	HWMBS 2301 HEA	HWMBS 4501 HEA
Tank volume		L	200	300	500
Solar integration coil (stainless steel)		m²	1.0	1.0	1.0
Rated thermal power[1]		W	2040	2040	3800
Rated power consumption[1]		W	465	460	945
Rated hot water production capacity[1]		L/h	43.5	43.5	82.0
COP (rated)[1]		W/W	4.39	4.43	4.02
COP_{DHW}[2]		W/W	2.61	2.68	2.66
Test cycle profile[2]		-	L	XL	XXL
Volume of hot water at 40°C[2]		L	250	390	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	1	1	1.6
	Tons of CO2 equivalent	t	1.430	1.430	2.280
Compressor		-	Rotary ON/OFF		
Dimensions	Unit ø x H	mm	560 x 1755	640 x 1850	700 x 2230
	Net weight	kg	95	105	122
Sound power level		dB(A)	58.2	58.2	59.2
Sound pressure level at 2 m		dB(A)	37.8	37.8	37.2
Tank	Tank material	-	Stainless steel 304		
	DHW hydraulic connections	(" - DN)	1" - DN25	1" - DN25	1" - DN25
	Hydraulic solar coil connections	(" - DN)	3/4" - DN20	3/4" - DN20	3/4" - DN20
	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.