

HEATING

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HOT WATER

HWMB5 2201 A | HWMB5 2301 A | HWMB5 4501 A

Water heater with heat pump, monobloc
200/300/500 liters “Ducted” series



No integration with solar thermal

Water heater with heat pump, monobloc on base

R134A | Refrigerant gas

Stainless steel tank

60° C | Hot water with the compressor only

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

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

ErP Ready

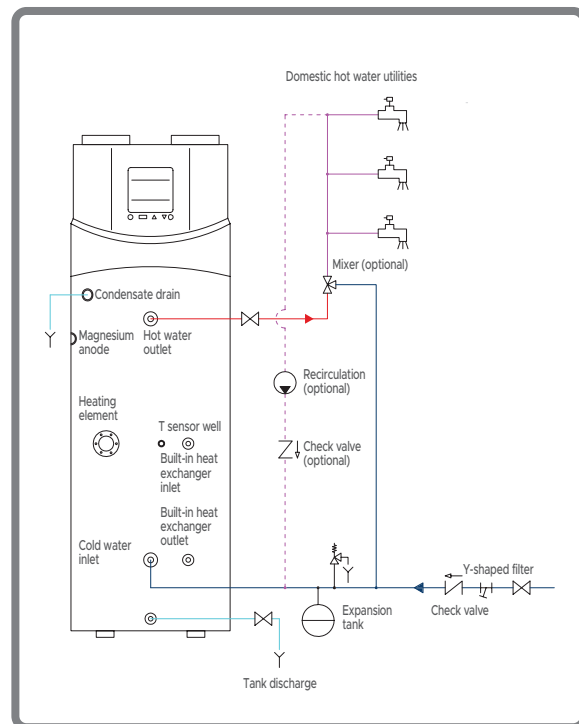


PERFORMANCE

MODEL	LOAD	ENERGY CLASS	COP In accordance with EN 16147
HWMB5 2201 A	200 L	A	2.64
HWMB5 2301 A	300 L	A	2.69
HWMB5 4501 A	500 L	A	2.66

Model		HWMB5 2201 A	HWMB5 2301 A	HWMB5 4501 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
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 10.0		
Refrigerant circuit data	Refrigerant ⁴	Type (GWP)	R134a (1430)	R134a (1430)
	Quantity	kg	0.80	0.80
	Tons of CO ₂ equivalent	t	1.144	1.144
	Compressor	Type	Rotary ON/OFF	
Product specifications	Dimensions (Diameter x Height)	mm	560 x 1755	640 x 1850
	Net weight	kg	90	100
	Sound power level	dB(A)	55	56
	Sound pressure level at 2 m	dB(A)	46	46
Tank	Tank material	-	Acciaio INOX 304	
	DHW connections	Inches	G1" (DN25)	G1" (DN25)
	Solar coil connections	Inches	-	-
	Anode Type	-	Titanium electrode with alarm LED	
	Maximum operating pressure	bar	10	10
	Operating range	°C	-5~+43	
Suctioned air	Rated flow (not ducted)	m ³ /h	400	400
	Air flow (ducted)	Pa	60	60
	Air duct - Diameter	mm	177	177
	Air duct - Length	m	6	6

HYDRAULIC CONNECTIONS DIAGRAM



1. Conditions: intake air 20°C DB (15°C WB), inlet water 15°C / outlet 55°C. 2. Test according to EN16147; air 15°C for 200 and 300L models; air 7°C for 500L model. 3. Directive 2009/125/EC - EU ERP no. 814/2013 (TUV South 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.