

HEATING



HOT WATER

Water heater with heat pump
300/500 litre “Ducted” monobloc series
Possibility of integration with solar thermal



Certification EN 16147 from a third-party accredited laboratory BUREAU VERITAS.



Anti-legionella cycle

ErP Ready



HWMAS 3200 HEA-3
 HWMAS 5400 HEA-3

Characteristics

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

R134A | Refrigerant gas

300 or 500 litres | Stainless steel tank

60° C | Hot water with the compressor only

COP 2.67* | For 300 litre model

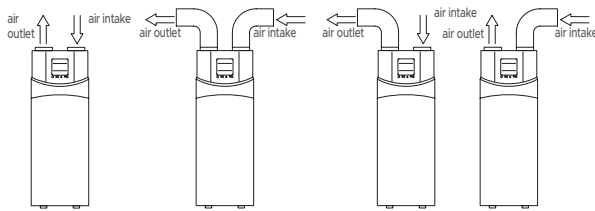
COP 2.69* | For 500 litre model

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

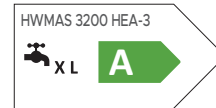
Innovative soft touch control panel to facilitate commissioning, use and maintenance

* In accordance with EN 16147

4 installation modes



Energy class

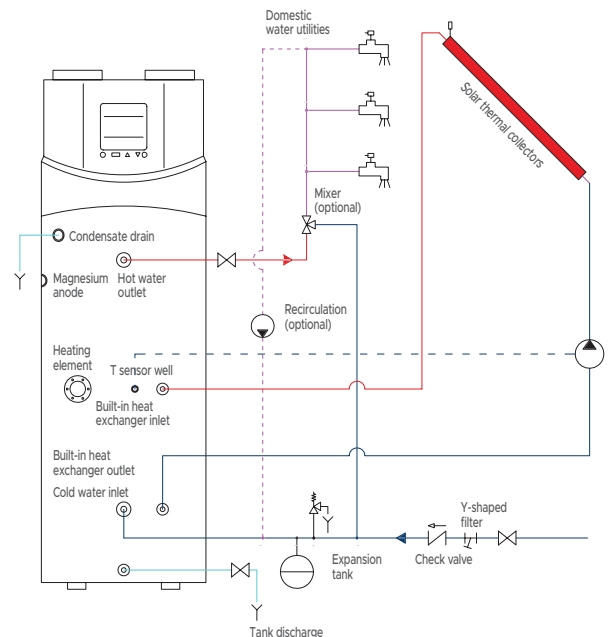


65%
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**Energy
 redevelopment**

**THERMAL
 ACCOUNT
 2.0**

Model		HWMAS 3200 HEA-3	HWMAS 5400 HEA-3
Tank volume	L	300	500
Solar integration coil (stainless steel)	m ²	1.0	1.0
Rated thermal power ¹	W	1840	3700
Rated power consumption ¹	W	533	1093
Rated hot water production capacity ¹	L/h	45	85
COP (rated) ¹	W/W	3.45	3.39
COP _{hw} ²	W/W	2.67	2.69
Test cycle profile ²	-	XL	XXL
Volume of hot water at 40°C ²	L	351	501
Energy Efficiency Class ³	-	A	A
IP Degree of protection	-	IPX1	IPX1
Hot water T. adjustment interval	°C	10~70 (50 default)	10~70 (50 default)
Maximum DHW temperature only compressor	°C	60	60
Electrical data	Power	Ph-V-Hz 1-220~240-50	1-220~240-50
	Integrative heating element	W	1600
	Maximum current (including heating element)	A	10.0
Refrigerant	Type (GWP)	-	R134a (1430)
	Quantity	kg	0.80
	Tons of CO2 equivalent	t	1.144
Compressor	-	Rotary (ON/OFF)	Rotary (ON/OFF)
Dimensions	Unit Ø x H	mm 640 x 1845	700 x 2230
Net weight	kg	104	122
Sound power level	dB(A)	59	60
Sound pressure level at 2 m	dB(A)	46	45
Tank	Tank material	-	Stainless steel
	DHW hydraulic connections	(“ - DN)	1” - DN25
	Hydraulic solar coil connections	(“ - DN)	3/4” - DN20
	Magnesium anode	-	G3/4” - Ø 21x300
	Maximum operating pressure	bar	10
Suctioned air	Operating range	°C	-5~+43
	Rated flow (not ducted)	m ³ /h	450(@0Pa)
	Air flow (ducted)	m ³ /h	400(@60Pa)
	Air duct - Diameter	mm	177
	Air duct - Length	m	6

Hydraulic connections diagram



1. Conditions: suctioned air 20° C DB (15° C WB), inlet water 15° C / outlet 55° C.
 2. Test according to EN16147; air 7° C. 3. Directive 2009/125/EC - ERP EU no. 814/2013 (BUREAU VERITAS certification).