

Juniper HP

polywarm® coated calorifer with integrated heat pump.



MODELS

200

300

CAPACITY (litres)

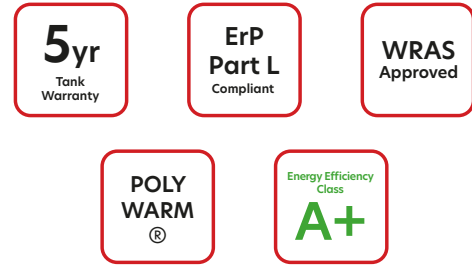
200-300

modutherm

Juniper HP

The Juniper HP calorifier is available in 2 models, with capacities of 200 & 300 litres. Each utilising an integrated heat pump, with a COP of up to 2.98*, that produces DHW thanks to the heat energy naturally present in the air, allowing considerable energy savings.

The heat pump, using R134a refrigerant, ensures high performance and cost efficiency. The energy (heat) is transferred from the air to the water through a condenser coil wrapped around the outside of the tank, avoiding any possible contact between the fluid and the sanitary water, ensuring maximum hygiene and safety. The output is indicated by the coefficient of performance (C.O.P.) indicating the relation between used and obtained energy*. Each calorifier has a Polywarm® coating with cathode protection.



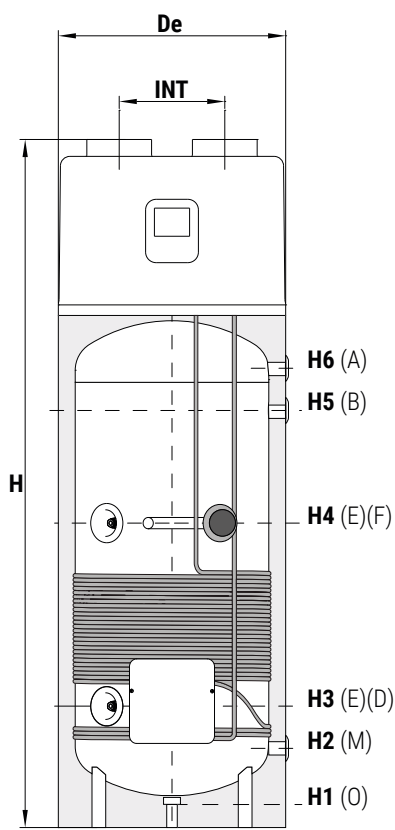
key features

- 2.3kW* Integrated heat pump
- 1.5kW Electric Element
- 200 & 300 litre capacity
- Unvented kits
- Cathode protection
- Electronic Control Unit

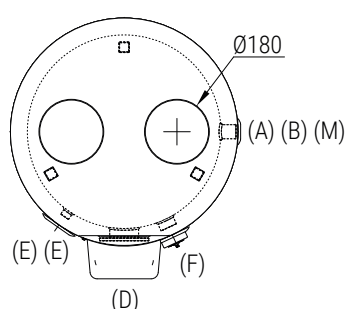
warranty

- 5 year warranty** on tank body
- 2 year warranty** on all other components





JUNIPER HP 200				JUNIPER HP 300			
outside air temperature	COP	output	heat up time (10 - 50°C)	COP	output	heat up time (10 - 50°C)	
(°C)		(W)	(hours)		(W)	(hours)	
-7	1.29	1037	7.9	1.26	1013	12.1	
-4	1.43	1154	7.1	1.40	1127	10.9	
2	1.72	1388	5.9	1.68	1356	9.1	
7	2.35	1890	4.3	2.29	1846	6.7	
15	2.73	2200	3.7	2.67	2148	5.7	
20	2.98	2399	3.4	2.91	2343	5.2	
35	3.44	2772	3.0	3.36	2706	4.5	



dimensions

(Electric element cover protrudes 90mm)

MODEL	volume (litres)	weight (kg)	De	INT	H	H1	H2	H3	H4	H5	H6
200	205	90	640	340	1585	71	240	350	800	815	925
300	293	110	640	340	1960	71	240	350	860	1190	1300

A	domestic hot water outlet/T&P connection	1" F
B	re-circulation	1" F
D	flange for inspection/electric immersion heater	Ø75mm
E	probe	½" F
F	magnesium anode	1¼"
M	domestic cold water inlet	1" F
O	drain	1¼"

technical data

power supply	max water temperature	coolant type	coolant load	max ducts length	max static pressure	min pipe diameter	acoustic level
(V / Ph / Hz)	(°C)	(type)	(g)	(m)	(Pa)	(mm)	(dB)
220-240/1/50	60	R134a	800	8	60	180	59**

MODEL	net volume heated by heat pump (litres)	room temperature output (°C)	C.O.P	ErP energy efficiency class	ignition time (air temperature 20°C - water temperature from 15°C to 55°C) (min)	electric integration power (W)	maximum absorption heat pump total (W)
200	176	-5/+43	2.98 (*)	A+	236	1500	805
300	264		2.91 (*)		353		

*Data obtained under the following conditions (T air 20°C - T water from 15°C to 55°C)

**Test complaint with European standard EN 12102:2013 - EN ISO 3741:2010

Decoral Electric WiFi



Features and Benefits

- Aluminium alloy body - quickly reaches the desired temperature
- Manageable remotely via Android & Apple smartphones
- Daily and weekly programming with start-up adaptive control
- Open window detection function
- Consumption display
- Built-in back-lit LCD interface
- NTC temperature probe and electronic temperature regulation
- Colour: White RAL 9010



Model	Output (W)	Voltage (V)	Frequency (Hz)	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	No. of Sections
FDEC500-04EW	750	230	50/60	583	390	80	8	4
FDEC500-05EW	1000	230	50/60	583	470	80	9.9	5
FDEC500-07EW	1250	230	50/60	583	630	80	13.7	7
FDEC500-09EW	1500	230	50/60	583	790	80	17.1	9
FDEC500-11EW	1800	230	50/60	583	950	80	19.7	11

Electrical components carry a 2-year warranty.



Domus One App

Using the Domus One app you can:

- Set the temperatures of each operating mode
- Set a weekly schedule for each thermostat
- Turn on and off all functions of each thermostat
- Conveniently organise your thermostats into groups
- Monitor the performance of your heating system



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A member of the **Modular Heating Group.**