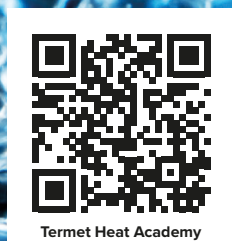


Warmth of nature

**termet®**



Heat pump for DHW heating with integrated storage tank with a capacity of 300 litres

## TERMET HYDRO 300

- built-in 300-litre tank made of high quality stainless steel
- quick and easy installation
- high quality components
- easy-to-use control panel with a clear display
- high COP (up to 4.12)
- water temperature up to 70°C (thanks to built-in electric heater)
- anti-legionella function
- tank with two coils allows connecting external heat source, e.g. a condensing boiler
- tank corrosion protection of by a titanium anode
- low heat losses thanks to insulation made of dense polyurethane foam
- built-in 2 kW electric heater
- highly efficient and durable Panasonic compressor
- refrigerant R134a
- condenser placed inside the water tank providing effective water heating
- air inlet protected by a mesh filter
- quiet running fan with noise-reducing vanes
- clear, color display providing view of all operating states



Check out our range of equipment in the field of renewable energy sources



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## TECHNICAL AND FUNCTIONAL ADVANTAGES

### DHW TANK

- tank and coil made of high quality steel
- possibility of connecting an additional heat source thanks to the second coil placed in the tank
- tank insulation in the form of dense polyurethane foam ensuring low heat losses
- tank protection in the form of a titanium anode
- built-in 2 kW electric heater

### COMPRESSOR

- highly efficient and durable compressor from Panasonic
- maintaining high parameters in a wide temperature range
- refrigerant R134a

### CONDENSER

- placed inside the water tank
- which enables effective heating of watery



### AIR SYSTEM

- protected by a mesh filter,
- quiet-running fan with an air guide, which eliminates air turbulence inside the device and reduces the noise emitted by the heat pump

### CONTROLLER

- clear and colorful display
- timer programmable in 3 intervals
- possibility of reading air temperatures at the inlet and outlet of the heat pump
- control of the heat pump condenser temperature
- view of all device operating states
- autostart function in the event of a power failure
- compressor protection against the so-called cold start
- weekly thermal water overheating
- defrosting regulation to -20°C

## TECHNICAL CHARACTERISTICS OF THE DOMESTIC HOT WATER HEAT PUMP

Supply type	V/Hz	230/50
Total tank capacity	dm <sup>3</sup>	300
Average thermal output	kW	2,8
Electric power input	W/kW	700 (0,7)
COP coefficient	-	~ 4,12
Current/starting	A	3,2/6,0
Outdoor temperature range	°C	(- 7) ÷ (+43)
Number of compressors	szt.	1
Refrigerant / Weight / GWP	-	R134a/1,1 kg/1430
Domestic water temperature [factory setting]	°C	55
Max. domestic water temperature [heat pump operation only]	°C	60
Max. domestic water temperature [heat pump + heater]	°C	70
Air flow through the heat pump	m <sup>3</sup> /h	450
Sound power at heat pump outlet	dB	59
Diameter of air ducts	Ø mm	150
Cold water connection and hot water outlet	DN	3/4"
Additional electric heater	kW	2.0
Additional coil	m <sup>2</sup>	1,5
Device weight (without/with packaging)	kg	110/133
Dimensions: height/diameter	mm	1900/650

Test conditions according to EN 16147: air temperature 7°C, humidity 60%, cold water inlet temperature 10°C, target temperature 55°C  
The heat pump contains fluorinated greenhouse gases covered by the Kyoto Protocol. The refrigerant circuit is hermetically closed.

**termet®**

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