



# THERMINO

**Thermino hp** – Best in class heat generation meets best in class heat storage. Allows heat pumps to be installed in homes where space is too tight for an indirect hot water cylinder.



## Thermino hp

Cheaper to run, with lower carbon emissions and minimal maintenance requirements, heat pumps are a great alternative to fossil fuel heating systems – and are kinder to the environment. They work by extracting heat from the air, ground, or a water source providing a sustainable, energy-saving heating solution. However, they also require hot water storage, which could rob valuable space in any home.

Sunamp products have enabled heat pumps to be fitted where there was no room for a bulky hot water cylinder in thousands of projects. It is widely used twinned with heat pumps to replace combi boilers in space-restricted, high-rise apartment blocks.

Our easy-fit Thermino hp batteries work with a variety of excellent heat pumps from a range of manufacturers including Vaillant, Samsung, Daikin, Kensa and Ecoforest.

## How it works - Thermino hp



## Key features

- Space-saving – up to 4 x smaller than the hot water cylinder it replaces
- Enables hot water storage systems to be installed where otherwise they wouldn't fit
- Lower heat losses – up to 4 x higher energy efficiency
- A+ energy rating – saves up to 1000 kWh a year
- High flow rate hot water
- Instantaneously heated for hygiene and freshness
- Fast and easy to install – no tundish, no high temp discharge pipework and T&P safety valve to maintain
- No mandatory annual maintenance
- Market-leading 10-year warranty on the heating element

## Thermino hp technical data and dimensions

	150 hp	210 hp	300 hp	
Manufacturer's part number	Thermino hp <sup>★</sup>	DKP-CBW-AUZ-1	DNP-CBW-AUZ-1	DRP-CBW-AUZ-1
	Thermino hp-VT <sup>▲</sup>	DKP-CHW-AVZ-1	DNP-CHW-AVZ-1	DRP-CHW-AVZ-1
	Thermino hp-DN <sup>●</sup>	DKP-EDW-AYZ-1	DNP-EDW-AYZ-1	DRP-EDW-AYZ-1
	Thermino hp-SG <sup>■</sup>	DKP-ECW-AXZ-1	DNP-ECW-AXZ-1	DRP-ECW-AXZ-1
Equivalent hot water cylinder size (L)	128	192	256	
V40 (L)*	167	333	371	
Heat loss rate (kWh/24) (W)	0.67 (28.1)	0.77 (32.1)	0.84 (35)	
Energy efficiency rating class	A+			
Recommended flow rates (LPM)	15	20	25	
Minimum heat source flow temperature	65°C			
Maximum heat source flow temperature	80°C			
Minimum mains supply pressure	1.5 bar (0.15 MPa)			
Maximum mains pressure	10 bar (1.0 MPa)			
Hot water temperature	45-55°C			
Connected load at 230v, 50hz (W)	2,800			
Product weight in use (kg)	136	187	233	

\* V40 refers to the volume (in litres) of hot water available at 40°C.

NOTE: In line with UK Building Regulations, Sunamp advise the installation of a suitable hot water supply tempering valve at the outlet of the appliance, to prevent the risk of scalding.

## Dimensions

(mm)	150 hp	210 hp	300 hp
Dimension 1	575	575	575
Dimension 2	365	365	365
Dimension 3	640	870	1,050
Dimension 4	37	37	37
Dimension 5	78	78	78
Dimension 6	50	50	50

★ Compatible with high temperature heat pumps able to deliver 65°C at design temperature and accepting volt-free hot water demand signals, such as the Ecoforest Pro series.

▲ Compatible with Vaillant aroTHERM Plus heat pumps

● Compatible with selected Daikin heat pumps (see manual)

■ Compatible with selected Samsung heat pumps (see manual)

### Optional extras



500ml expansion vessel  
C5407



Tempering valve  
C5388

