

## Solahart Heat Pump SHP Integrated Series

The Solahart SHP Series Heat Pump is a smart, energy efficient alternative for areas where a traditional solar water heater may not be suitable. It uses one of the most abundant renewable energy sources, heat from the air, to provide hot water for your family.

Rather than using roof mounted collectors, efficient heat pump technology extracts energy from the surrounding air. Ambient warmth is used to convert the refrigerant within the sealed system into a gas. The gas is then compressed to generate even more heat, which then heats the water in the tank. What's more, this process can work day or night, in sunshine and rain, all year round.

The Solahart SHP series Heat Pump installation is quick and easy. The heat pump can usually be installed in the same location as an outdoor electric water heater and connected up to the existing plumbing and electrical connections, making it a great replacement for an existing water heater.

It is also equipped with an electric booster designed to operate only in very cold conditions. The ceramic lined tank has a protective sacrificial anode.



### Key Benefits

- Uses heat pump technology to extract heat from the air, day or night
- Ideal for installations not suitable for traditional solar water heaters
- Integrated electric booster heats in very cold weather conditions
- Uses less energy than a conventional electric water heater\*
- Sleek, modern design

### Key Features

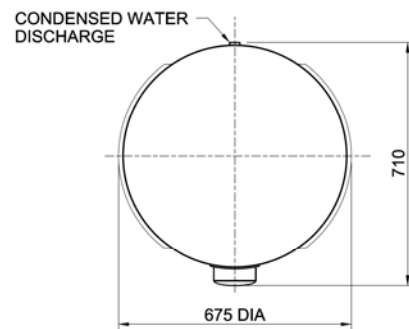
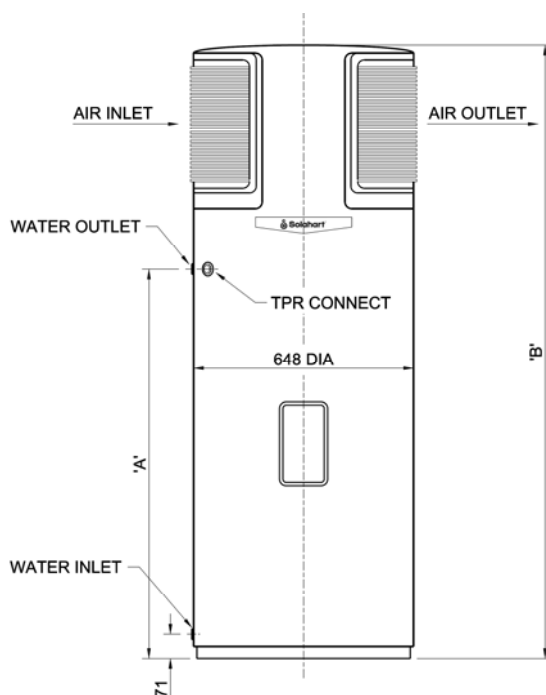
- Can save up to 60% to 65% of water heating energy consumption
- Coefficient of Performance (COP) of 4\*
- Reduced energy use can save up to 1.7 to 2.9 tonnes of CO<sub>2</sub> emissions per annum
- Peace of mind with 3 year tank warranty†

## SHP-3805 Air Sourced Heat Pump

This system is designed for outdoor installation only.  
It is not suitable for scaling or corrosive water areas.

Model		SHP270-3805	SHP340-3805
Water Side	Heat exchanger type	Copper Pipe coiled outside the tank	
	Tank capacity (L)	270	340
	Cold/ hot water connection	RP ¾" / 20	
	Relief valve connection	RP ¾" / 20	
	Maximum Pressure (MPa)	0.85	
Power Supply	220V~50Hz		
Circuit Fuse - Parameters	16A/250V		
Rated heating volume*	3800 W		
HP heating rated input	Power (watts)	950	
	Current (amps)	4.3	
Auxiliary heating input	Power (watts)	2400	
	Current (amps)	10.9	
Rated water output (litres/hr)	80		
Water temperature setting (°C)	30~65 (Ex-work setting 55)		
Suitable ambient temperature (°C)	-7~43		
Refrigerant quantity	R134a (1.35 Kg)		
Air Side	Heat exchanger type	Female fitting hydrophilic aluminum foil	
	Air outlet	Side Exhaust	
Storage Tank	Diameter (mm)	ø648	
	Height (mm)	1815	2125
	Net weight (kg)	115	130

\*Working conditions: Dry bulb temperature: 20°C, Wet bulb Temperature: 15°C, Tank water inlet: 15°C, tank water outlet: 55°C. †Warranty: 3yr replacement tank and labour & 1yr parts, Sealed System 1yr.



MODEL	A (mm)	B (mm)
SHP270-3805	1151	1815
SHP340-3805	1461	2125