

SOLAR HEAT PUMP



Powered by the Australian Sun

Australian owned EcoSmart® Solar Heat Pump hot water systems effortlessly capture latent heat energy abundant in the air and transfer that heat energy to a storage tank. You'll cut your energy bills and help save the environment!

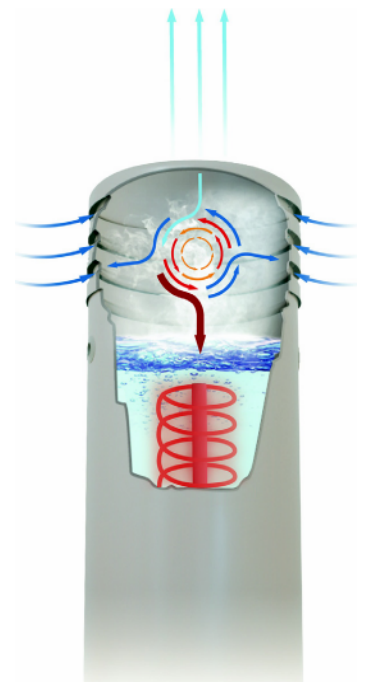
The science behind heat pumps...

The principle is very similar to the operation of a refrigerator, but in reverse. There is latent heat energy in the air and this is transferred to the heating system.

The heat pump system contains a fan that sucks air through an evaporator. The evaporator contains extremely cold liquid refrigerant, which travels through a copper pipe. The air passing through this evaporator contains latent heat which is absorbed by the refrigerant. A compressor then pulls the refrigerant inside where it is naturally compressed.

As the pressure rises, the temperature increases. From here the refrigerant travels to the condenser, where the heat from the refrigerant is transferred to the water supply tank.

An expansion valve finally provides the pressure reduction to the refrigerant and the cycle starts again.



FAMILY SIZE CAPACITY

The EcoSmart® Advantage

Patented Hotlogic Technology

Hotlogic® is the brains of the EcoSmart® Solar Heat Pump, operating the heat pump in the most efficient manner possible.

Unique De-icing Cycle

EcoSmart® Solar Heat Pump has a unique de-icing cycle which is operated by Hotlogic®. When ice is forming on the evaporator, the Hotlogic® automatically commences the de-icing cycle then resumes normal operation. The result is increased system efficiency at low temperatures.

No Backup Element Required

Due to the increased efficiency of the EcoSmart® Solar Heat Pump there is no need for a secondary element.

Most Energy Efficient on the Market

You have piece of mind knowing you have the most efficient heat pump on the market. EcoSmart® Solar Heat Pump attracts over 30% more RECs per litre than other comparable products.

Fast Recovery Rates

Due to the efficient operation of the EcoSmart® Solar Heat Pump, it heats the full contents of the tank in only 2 hours*

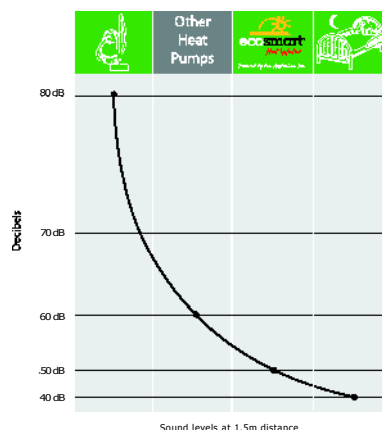
Tank	
Tank Storage Capacity	259L
Tank Warranty	5 Yrs
Net Weight Empty	119 kg
Dimensions (mm) Overall height	1755 mm
Overall Diameter	632 mm
Heat Pump	
Max Water Supply Pressure	850 kPa
Noise (dba)	50
Power Consumption (kw)	1.2
Voltage (Volts)	230/240 kW
Refrigerant	R1 34a

Low Running Costs

An EcoSmart® Solar Heat Pump can save you up to 70%* on your water heating costs.

Quiet Operation

The EcoSmart® Solar Heat Pump operates at lower noise levels than other comparable heat pumps.



Easy to Install

The EcoSmart® Solar Heat Pump is delivered as a complete unit, simply connect to the existing pipe work and turn it on.

Looks Great

With an attractive design and at 1755mm high and 632mm diameter it is the most compact of any heat pump of the same capacity.

System iDetails

Pipe Connection Hot/Cold	20/20mm
Heat Pump to tank	15/20

Mains voltage (V)	230/240
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li Climate i Recommendation

Sea Level**	>1000m
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Refer to www.ecosmart.com.au for a detailed diagram

*Dependent on model and location

** Not recommended in Alpine areas