

HOT WATER

RENEWABLES

WATER FILTERS

ROOM HEATING

THE STIEBEL ELTRON HEAT PUMP, SO FAR AHEAD, ITS IN A CLASS OF ITS OWN.



PROVEN SUPERIOR GERMAN TECHNOLOGY, RELIABILITY AND EFFICIENCY NOW AVAILABLE IN AUSTRALIA!



**STIEBEL ELTRON**

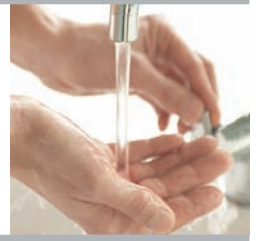
Technik zum Wohlfühlen

MADE IN GERMANY

EST. 1924

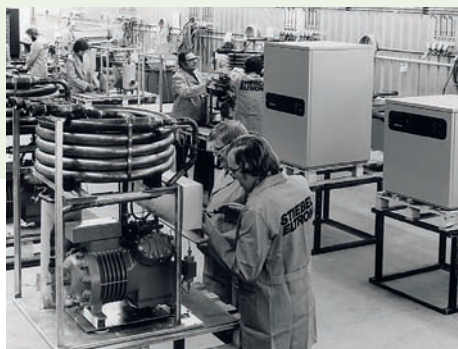
ABSOLUTELY NO COMPARISON OR EQUAL.

THE MOST EFFICIENT HEAT PUMP ON THE MARKET WITH THE LOWEST CO<sup>2</sup> OUTPUT.

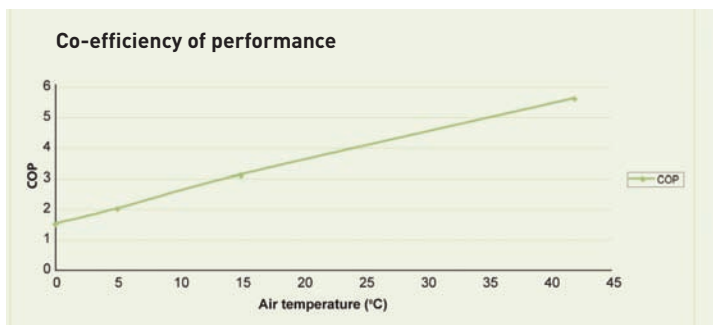


STIEBEL ELTRON IS THE WORLDS MARKET LEADER IN HEAT PUMP TECHNOLOGY.

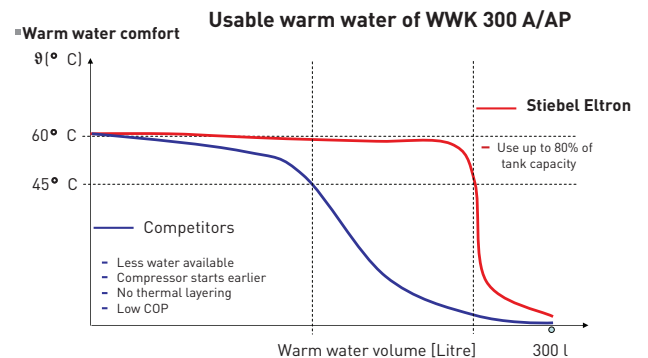
Tried and tested technology for over 30 years to give real energy, environmental and money savings. Over 40,000 heat pumps are produced each year to the highest European environmental standards in the most modern, environmentally friendly production facility in Europe.



Above: Heat pump manufacturing in the 70's followed by today's modern test area.



High COP...results in less energy use.



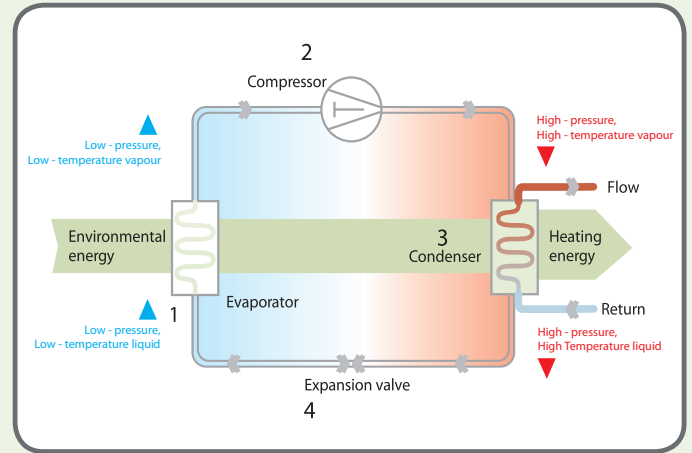
# A SIMPLE PRINCIPLE AS YET UNBEATEN.



## HOW A HEAT PUMP WORKS.

The principle is very similar to the operation of a refrigerator, but only in reverse.

The heat pump system contains a fan that forces air through an evaporator (1). The evaporator contains very cold liquid refrigerant. The heat in the air that passes through this evaporator is absorbed by the refrigerant.



The now warm gaseous refrigerant is then circulated in the system via a compressor(2). As it goes through the compressor its pressure rises and the temperature increases further. From here it travels to the condenser(3), where the heat from what is now a super hot refrigerant is transferred to the water supply tank. The cooled down refrigerant then goes through an expansion valve(4), which reduces its pressure cooling it further and the cycle starts again.

### The Payback

The beauty of this technology is that the amount of electrical energy required to operate the heat transfer process is far less than the energy used by a conventional electric element. For example 25° C air temperature, 70% humidity and 45° C rise of water temperature, the fan and compressor consume 1kW of electricity to generate 4kW of heat to the water cylinder (COP).

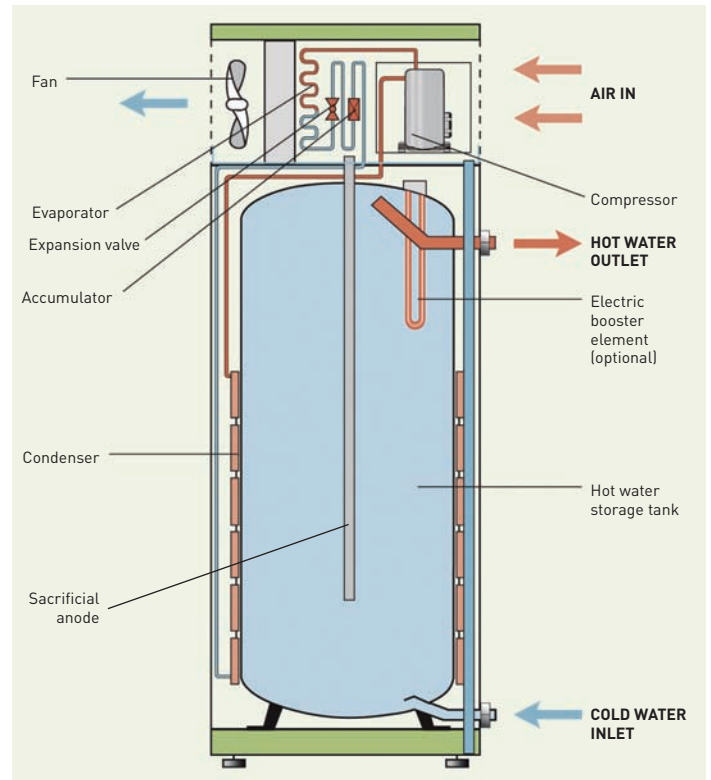
The energy use is approx 25% of conventional electric hot water cylinders, saving you 75% off your energy bill, higher air temperatures means more savings. With the predicted increase in energy costs and the cutting of Greenhouse Gas emissions the 300Ee makes real sense for you and the environment

### Renewable Energy Certificates

Eligible for Federal Governments REC's. Number of REC's dependant on climate zones. Also eligible for state based rebates.

Zone 1 – 30	Zone 2 – 25
Zone 3 – 30	Zone 4 – 30

Contact your supplier for updates on rebates and warranty.



# TECHNICAL DATA:

THE STIEBEL ELTRON HOT WATER HEAT PUMP PROVIDES THE HIGHEST ENERGY AND COST SAVINGS. CONSTANT, EFFICIENT AND ENVIRONMENTALLY FRIENDLY HOT WATER, ALL THE TIME.



<b>Type</b>	<b>WWK300A</b>
Application range	0°C to +42°C
Electrical specification	1/N/PE – 240V, 0.7kW (max)
Current draw	2.1 amps
Air flow rate	550 m <sup>3</sup> /h
Storage capacity	303 Litres
Process medium	R134a (900g)
Performance factor (COP)*	4
Dimensions	660mm diameter x 1875mm high (adjustable feet)
Weight (empty)	125kg (filled 428kg)
<b>Electric heating element (Model WWK300AH)</b>	<b>1.55kW</b>

\*According to EN255. Air at 25°C, water heating 15°C to 60°C, Rel hum of 70%. Contact your supplier for updates on rebates and warranty.

## AT A GLANCE...THE ADVANTAGES OF A 300E<sup>e</sup>

- ✓ Uses up to 80% of free environmental energy and converts that into useful heat
- ✓ Energy savings comparable to solar units but without the unsightly roof panels and installation expense
- ✓ The largest amount of hot water for the least amount of energy
- ✓ Works efficiently at night or when cloudy
- ✓ Active defrost to keep efficiencies and savings high
- ✓ Proven German quality
- ✓ Baffles available for further sound reduction (optional extra)
- ✓ Suitable for installation with a PV (Photo Voltaic) energy source for the ultimate in CO<sup>2</sup> reduction
- ✓ Suitable for indoor and outdoor installation



**SPECIFICATION:** When specifying please quote 'Stiebel Eltron 300Ee heat pump 300 litres 30 REC'  
Distributed by:

Free Call: 1800 153 351

• Melbourne • Sydney • Brisbane • Perth • Adelaide • Darwin • Tasmania • New Zealand: 0800 200 510



AS/NZS 2712  
LIC SMKP 20639  
SAI GLOBAL

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[www.stiebel.com.au](http://www.stiebel.com.au)