

HOT WATER

RENEWABLES

WATER FILTERS

ROOM HEATING

THE WATER HEATER GERMANS LOVE MOST



HARNESS THE RENEWABLE RESOURCE OF AIR TO HEAT WATER



STIEBEL ELTRON

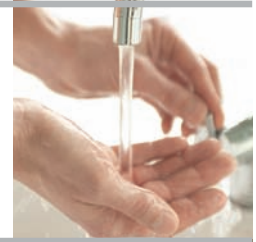
Technik zum Wohlfühlen

MADE IN GERMANY

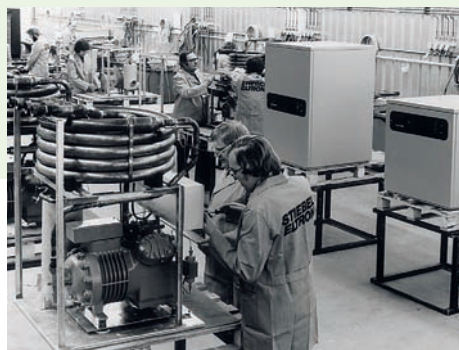
EST. 1924



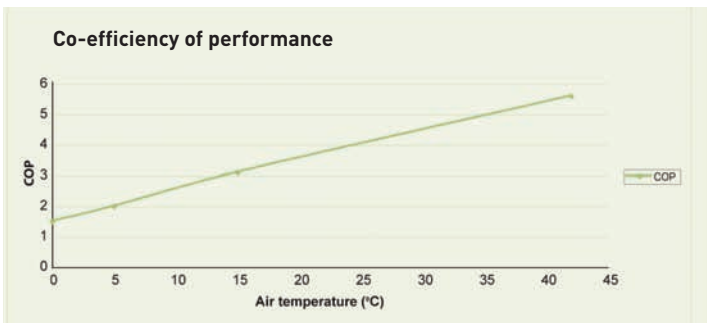
NO COMPARISON OR EQUAL OVER 30 YEARS EXPERIENCE FROM GERMANY



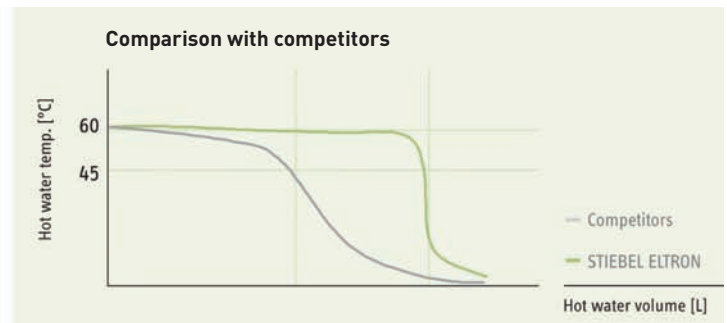
Stiebel Eltron is Germany's market leader in heat pump technology. Tried and tested technology for over 30 years to give real energy, environmental and money savings. Over 30,000 heat pumps are produced each year in the most modern production factory in Germany.



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



High COP...results in less energy use.



More hot water delivery, more savings.

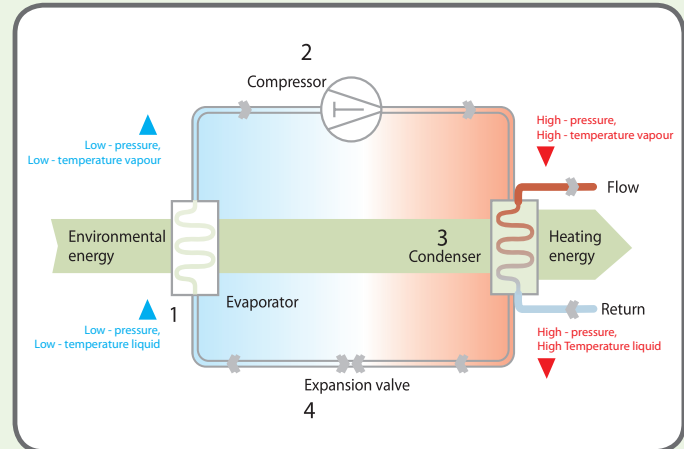
A SIMPLE PRINCIPLE AS YET UNBEATEN



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.

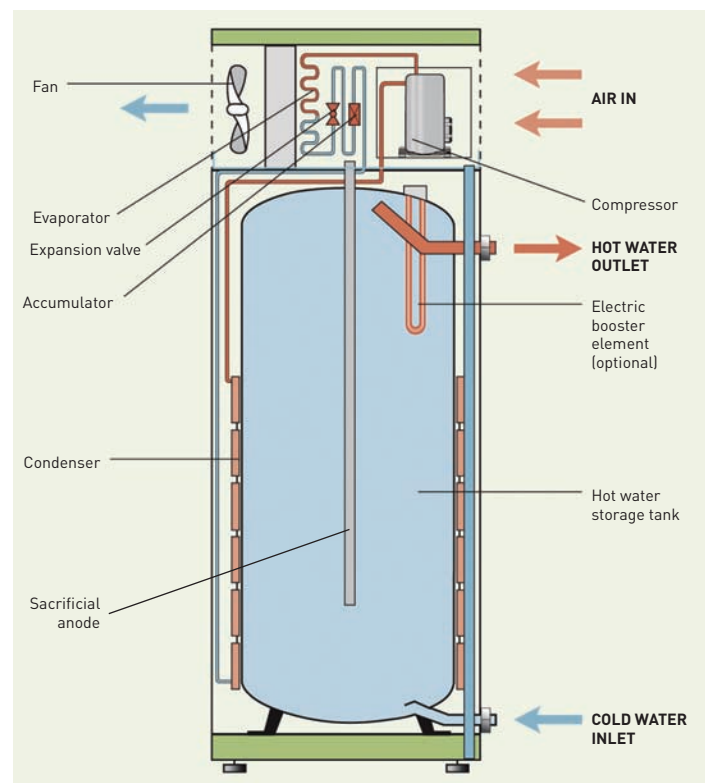
Zone 1 – 30

Zone 2 – 25

Zone 3 – 30

Zone 4 – 30

Contact your supplier for up dates on rebates and warranty.



Please note that current model has no element.
Choice of element will be available mid 2008.

TECHNICAL DATA:

CONSTANTLY HOT WATER – HOT WATER HEAT PUMP 300E^e



Type	WWK300A
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 ³ /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)
Electric heating element (available mid 2008)	1.55kW

*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^e

- ✓ Uses up to 80% of free environmental energy and converts that into useful heat
- ✓ The most efficient domestic heat pump available on the market and the bonus of being able to operate at temperatures as low as 0° degrees
- ✓ Up to 80% in savings
- ✓ Outdoor/indoor installation
- ✓ 303 litre storage cylinder
- ✓ Savings comparable to solar
- ✓ No unsightly panels on your roof
- ✓ Less cost to install than solar
- ✓ Low air temperature performance 0° C
- ✓ Long life German steel enameled tank
- ✓ Works efficiently at night or when cloudy
- ✓ Active defrost to keep efficiencies and savings high
- ✓ Low thermal losses through CFC-free thermal insulation
- ✓ Tidy condensate drain
- ✓ Attractive modern design
- ✓ Proven German quality



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

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STIEBEL ELTRON

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