

Stiebel Eltron Heat Pumps So Far Ahead its in a Class of its Own

# WWK300AH

HARNESS THE RENEWABLE RESOURCE OF AIR TO HEAT WATER  
Proven Superior German Technology, Reliability & Efficiency



Uses Less Electricity than a normal domestic water heater  
Up to **80%** Less Power

Over **30** Years  
Germany's No.1 Heat Pump Producer

## Advantages

- ✓ Uses up to 80% of free environmental energy & converts that into useful heat
- ✓ The most efficient domestic heat pump on the market
- ✓ Can operate at temperatures as low as 0°C (ambient air temperature)
- ✓ Up to 80% saving on electricity
- ✓ World Leader in Heat Pump Technology
- ✓ Outdoor or Indoor Installation
- ✓ 303 litre storage cylinder
- ✓ Savings comparable to Solar but without the unsightly roof panels & installation expense
- ✓ Costs less to install than solar
- ✓ Low air temperature performance 0°C
- ✓ Long Life Enameled Steel Tank
- ✓ Works efficiently at night or when cloudy
- ✓ Active defrost to keep efficiency & savings high
- ✓ Low thermal losses through CFC-free thermal insulation
- ✓ Suitable for "PV Solar" (Photo Voltaic) electrical connection
- ✓ Weather proof casing with salt resistant evaporator for seaside installation
- ✓ Attractive modern design
- ✓ Proven German Quality

**STIEBEL ELTRON**

Comfort Through Technology

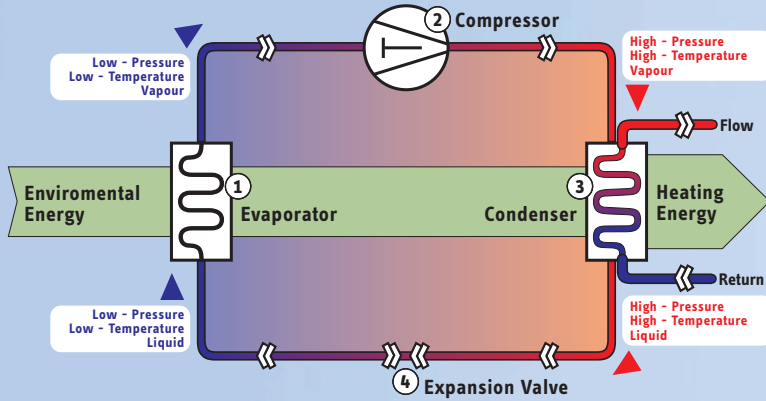


ENERGY  
efficiency

[www.stiebel-eltron.co.za](http://www.stiebel-eltron.co.za)

# ABSOLUTELY NO COMPARISON OR EQUAL

## The most efficient Heat Pump on the Market with the lowest CO<sub>2</sub> Emissions.

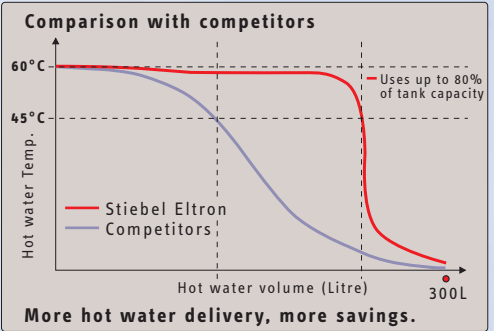
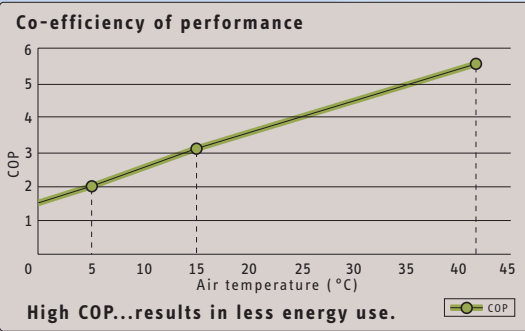
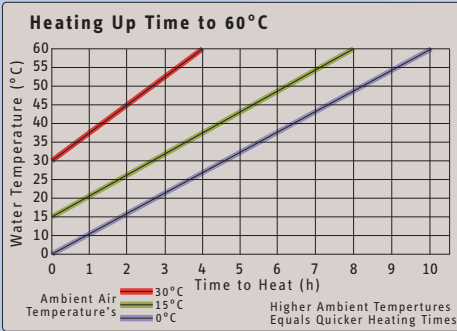


### How a Heat Pump Works

The principle is very similar to 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.

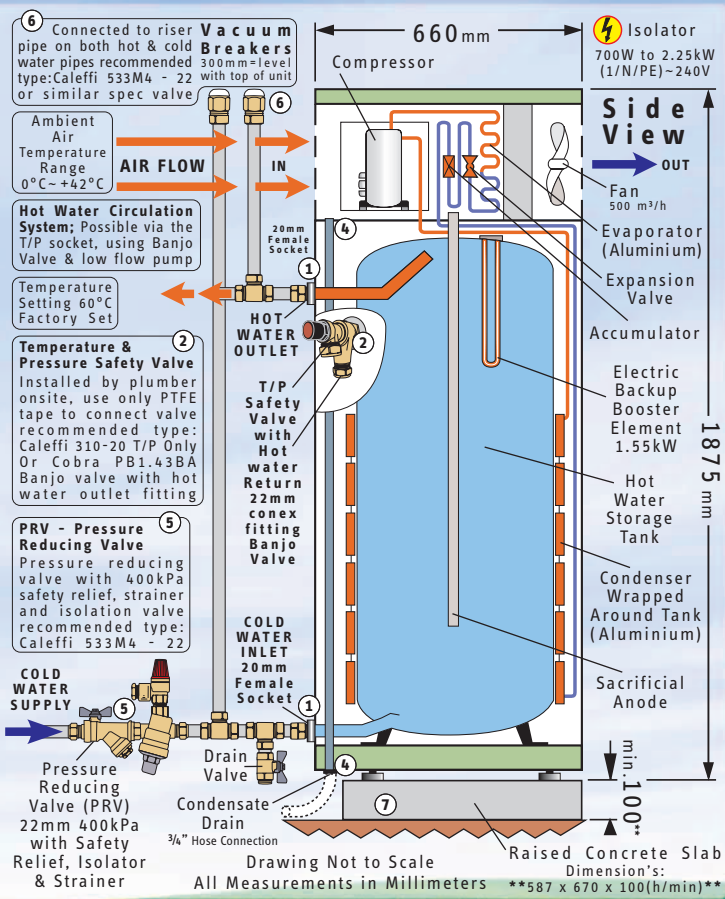
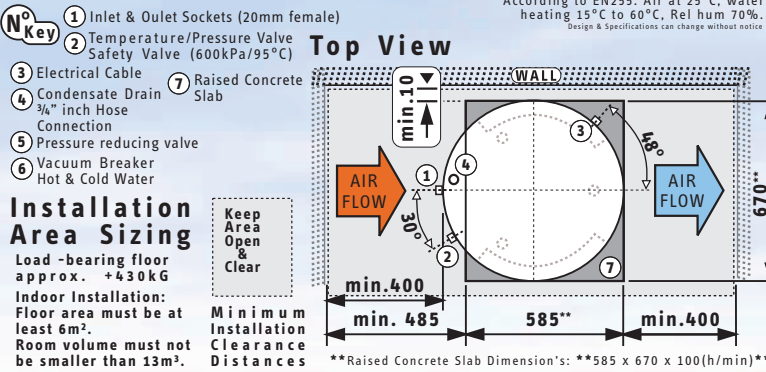
The now warm gaseous refrigerant is then circulated in the system via a compressor (2). As it goes through the compressor its pressure rises and the temperature increases further. From here it travels to the condenser (3), where the heat from what is now a super hot refrigerant is transferred to the 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.



\* all data & measurements according to EN255.3 standard, Air at 25°C & water heating 15°C to 60°C, Rel hum 70%. (Design & Specifications can change without notice)

- Type** WWK300AH
- Application range** 0°C to +42°C
- Electrical spec** 700W~240V (1/N/PE)
- Current draw** 2.1 amps
- Air flow rate** 500 m<sup>3</sup>/h
- Storage capacity** 303 Litres
- Process medium** R134a (900g)
- Performance factor (COP)\*** 4
- Dimensions** 660mm x 1875mm
- Weight (empty)** 125kg (filled 428kg)
- Backup/Booster heating element** 1.55kW
- Current draw including element** 2.25kW~9.4A

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Tried & Tested Technology for Over 30 Years Giving Real Energy, Environmental & Money Savings Over 40 000 Heat Pumps Produced Annually to the Highest European Environmental Standards



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Made in Germany EST. 1924

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