

# Reduce energy costs and create environmentally friendly hot water all year round

- › Intelligent German engineering using air as an energy source for generating hot water for the entire household



# Inexpensive hot water out of thin air

STIEBEL ELTRON's premium quality hot water heat pumps use free natural energy from the air to create hot water. They provide an energy-efficient, environmentally responsible solution for year-round generation of hot water using minimal energy.

## EXCELLENT ENERGY EFFICIENCY

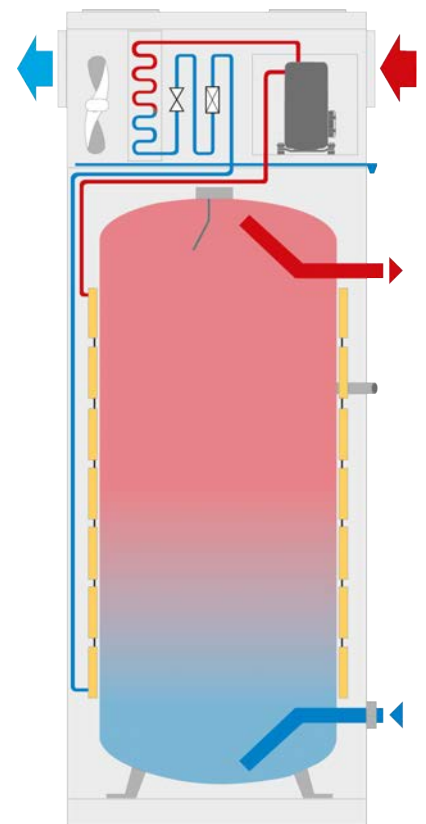
Our hot water heat pumps fit into the highest energy efficiency class.

ENERGY  
EFFICIENCY

A+

### State-of-the-art design to create hot water

1. A fan draws air through an evaporator. Thermal energy within the air is transferred to a liquid refrigerant causing it to change into gas.
2. The refrigerant gas is then drawn into a compressor which increases the pressure and, as a result, increases the temperature.
3. A condenser (heat exchanger) then transports gaseous refrigerant around the outside of the water cylinder. This heats the water inside and the gaseous refrigerant reverts back into a liquid.
4. The pressure of the refrigerant is reduced as it goes through an expansion valve and returns to the evaporator for the process to start all over again.



# Create energy efficient hot water with a heat pump

## FIRST-CLASS CONVENIENCE FROM RIGHT OUTSIDE

The WWK 222 (H) and the WWK 302 (H) are compact domestic hot water heat pumps designed specifically for outdoor installation in Australia to supply domestic hot water to several draw-off points. Our heat pumps utilise the energy in the air to create environmentally friendly hot water all year round.

### WWK Domestic Hot Water Heat Pump

- › Engineered by Germany's market leader
- › Designed for Australian conditions
- › Active defrost function ensures energy-efficient operation down to  $-5^{\circ}\text{C}$
- › Connects to Solar PV – automatically increases tank temperature during peak solar production \*
- › High operational reliability and long service life due to impressed current anode
- › Quiet operation due to encased compressor
- › Can be installed indoors (13 m<sup>3</sup> required)
- › H-models come with 1.7 kW smart element



\* Compatible solar inverter required





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"We needed to urgently replace our hot water system with an energy-efficient electric system. We have solar panels and, after much research, concluded that a heat pump was the most cost and energy effective solution for our set-up. We always have hot water, it's quite quiet (located behind our laundry), and our electricity cost has come right down to not much at all." Chloe G - Perth, WA

## HOT WATER HEAT PUMPS



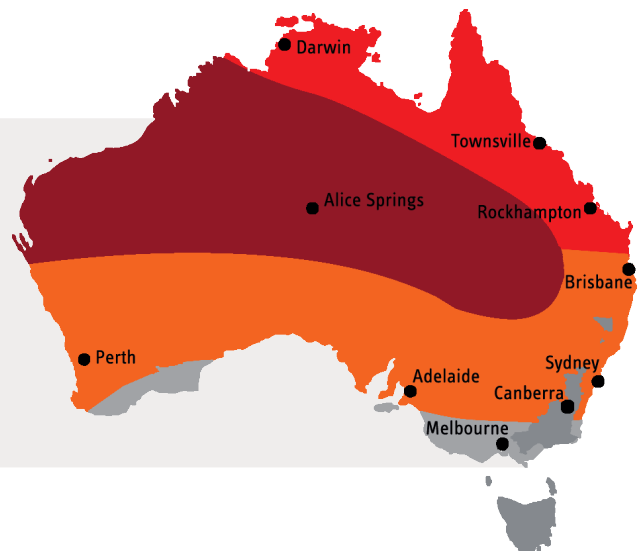
### PREMIUM

Model	WWK 222	WWK 222 H	WWK 302	WWK 302 H
Power consumption heat pump (EN16147   A15)	0.55 kW	0.55 kW	0.55 kW	0.55 kW
Power consumption smart element	N/A	1.7 kW	N/A	1.7 kW
Connection	1/N/PE 220 - 240 V	1/N/PE 220 - 240 V	1/N/PE 220 - 240 V	1/N/PE 220 - 240 V
Rated current	10 A	10 A	10 A	10 A
Rated capacity	220 L	220 L	302 L	302 L
Maximum available nominal amount of hot water at 40 °C	360 L	360 L	540 L	540 L
Set DHW temperature	61 °C	61 °C	61 °C	61 °C
Max. DHW temperature	65 °C	65 °C	65 °C	65 °C
Operating temperature range	-5 - 42 °C	-5 - 42 °C	-5 - 42 °C	-5 - 42 °C
COP (seasonal average <sup>†</sup> )	3.94	3.94	3.94	3.94
Refrigerant	R134a	R134a	R134a	R134a
Smart element		■		■
Solar PV compatible	■	■	■	■
Height	1553 - 1569 mm	1553 - 1569 mm	1921 - 1937 mm	1921 - 1937 mm
Diameter	690 mm	690 mm	690 mm	690 mm
Weight (empty   filled)	120   340 kg	120   340 kg	135   437 kg	135   437 kg

<sup>†</sup> Seasonal average COP for a WWK installed in zone 2

## GOVERNMENT REBATES FOR RENEWABLE ENERGY SYSTEMS

Rebates and financial incentives are offered Australia-wide at a federal and state level for using hot water heaters which are powered by renewable energy. Additional rebates may be available from state governments or local councils, depending on the type of water heater that is being replaced as well as the new system being installed.



### STCs per zone across Australia

Model	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
WWK 222	25	26	29	31	31
WWK 222 H	25	26	29	31	31
WWK 302	24	25	28	31	30
WWK 302 H	24	25	28	30	30

Your local trade partner:

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Have we sparked your interest? For further information visit [www.stiebel-eltron.com.au](http://www.stiebel-eltron.com.au) or call our service team on 1800 153 351.



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