

HOT WATER

RENEWABLES

WATER FILTRATION

SPACE HEATING

HARNESS NATURALLY  
OCCURRING THERMAL ENERGY  
FROM THE ENVIRONMENT  
TO CREATE HOT WATER.



STIEBEL ELTRON WWK 300A HOT WATER HEAT PUMP



**STIEBEL ELTRON**

Technik zum Wohlfühlen

# GERMAN ENGINEERED DESIGNED FOR AUSTRALIAN CONDITIONS.



German  
Engineered



Over 85 years of  
experience in hot  
water technology

For over 85 years STIEBEL ELTRON has been developing innovative hot water solutions with a direct focus on quality, energy efficiency, reliability and most importantly customer orientated service. With a direct focus on energy efficiency STIEBEL ELTRON began to develop heat pump technology as early as 1976. STIEBEL ELTRON distributes to 120 countries and has one of the largest hot water heat pump manufacturing sites in Europe.

**Engineered and manufactured in Germany, the STIEBEL ELTRON WWK 300A Heat Pump was specifically designed for Australian conditions to provide reliable and energy efficient hot water.**

## BEAT RISING ENERGY COSTS. HARNESS NATURALLY OCCURRING THERMAL ENERGY FROM THE ENVIRONMENT TO CREATE ENERGY SAVING HOT WATER.

The STIEBEL ELTRON WWK 300A Heat Pump works through utilising the ambient air temperature (thermal energy) and converting this to usable energy to create hot water. A heat pump essentially works in a similar way to a refrigerator, only in reverse. The only primary energy used in this process to heat water, is to run the compressor and fan.

The advantages of this technology is in the benefit of being able to generate up to a 68% hot water energy use saving when compared to an electric storage hot water system<sup>1</sup>.



<sup>1</sup>: Energy reduction of up to 68% when compared with a conventional electric water heater as per Government approved thermal performance simulation modelling for Zone 3.

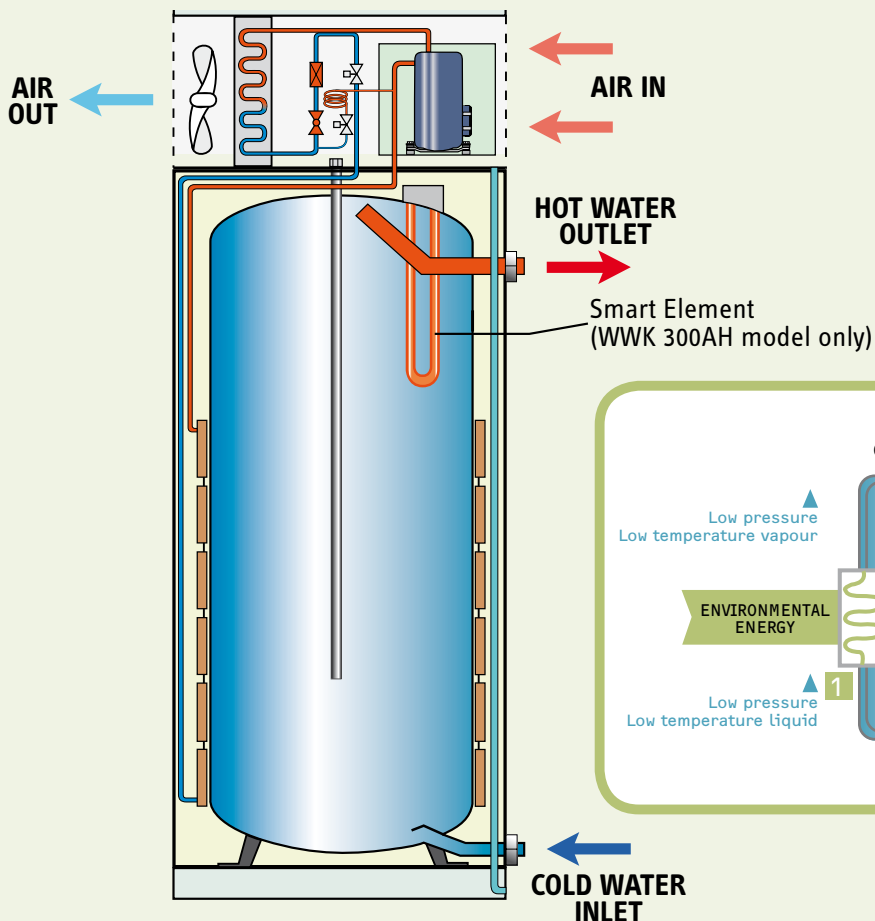
# HOW THE STIEBEL ELTRON HEAT PUMP WORKS.

**1** A fan draws air through an evaporator. Thermal energy within the air is transferred to a liquid refrigerant causing it to change into a gas.

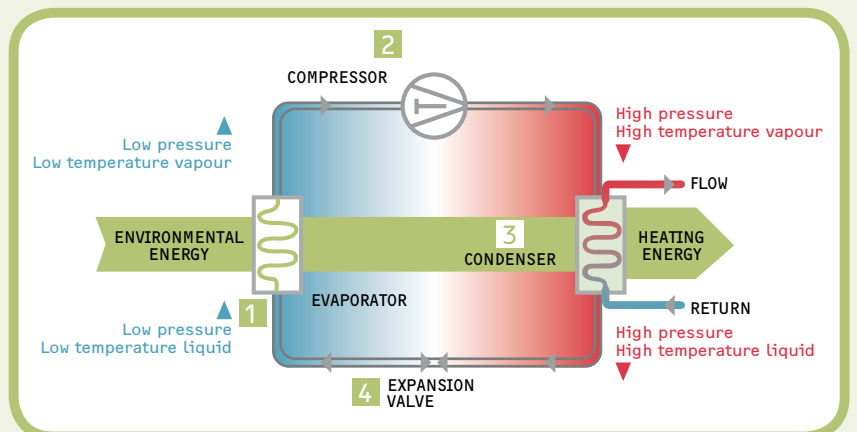
**2** The refrigerant gas is then drawn into a compressor which increases the pressure and as a result increases the temperature.

**3** A condenser (heat exchanger) then transports gas refrigerant around the outside of the water tank. This heats the water inside the tank and the gaseous refrigerant reverts back into a liquid.

**4** The refrigerant pressure is reduced again in the expansion valve.



**A simple principle to create hot water.**



# STIEBEL ELTRON HAS BEEN DEVELOPING HEAT PUMP TECHNOLOGY SINCE 1976.



With a STIEBEL ELTRON WWK 300A Heat Pump you are not reliant on the sun shining to generate hot water.

## WHY CHOOSE THE STIEBEL ELTRON WWK 300A HEAT PUMP.



Air Solar System utilises energy from the environment



Can operate on extended off peak power and timers when available



Lowest power draw of all hot water heat pump units at only 2.3amps



300 litre tank with one of the highest deliveries of hot water for a heat pump



Active defrost function to assist operation in cold climates



Single piece design for easy installation



Indoor/Outdoor Installation<sup>2</sup>



5 Year Warranty<sup>3</sup>



Master Plumbers' Association of Queensland

Environmental Product of the Year 2010



Master Plumbers' & Gasfitters Association of Western Australia

Energy Saving Product of the Year 2009

<sup>2</sup>: Indoor installation requires a 13m<sup>2</sup> area.

<sup>3</sup>: 5 years for the cylinder and condenser, 2 years for the sealed refrigeration system, including compressor, evaporator, valves and associated pipe work and 1 year for all other componentry (electrical) for domestic installations only.

# HEAT PUMP REBATES AND INCENTIVES.

## RENEWABLE ENERGY BONUS SCHEME (REBS)

### SOLAR HOT WATER REBATE

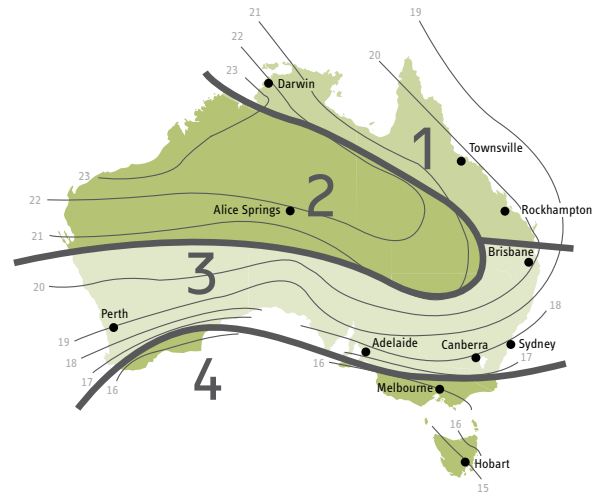
The Federal Government Solar Hot Water Rebate is available Australia wide for eligible customers who are replacing an electric storage hot water system with an eligible heat pump or solar hot water system. Conditions apply, please visit the Australian Government website to find out more information and eligibility requirements.

### SMALL-SCALE RENEWABLE ENERGY SCHEME (SRES)

The SRES is an initiative to assist households, small business and community groups with the up-front cost of installing a small-scale renewable energy system. Small-scale technology certificates (STC's) are utilised within this scheme and are a tradable form of certificate that offers financial incentives for installing approved renewable energy technology such as a hot water heat pump system.

The table to the right outlines the number of STC's eligible in each of the 4 zones across Australia for the STIEBEL ELTRON Heat Pump models.

Additional rebates may be available from State Governments or through your local council. Refer to your relevant State Government or local council website for information.



STC's PER ZONE ACROSS AUSTRALIA				
MODEL	ZONE 1	ZONE 2	ZONE 3	ZONE 4
WWK 300A	24	24	28	30
WWK 300AH	24	24	28	30

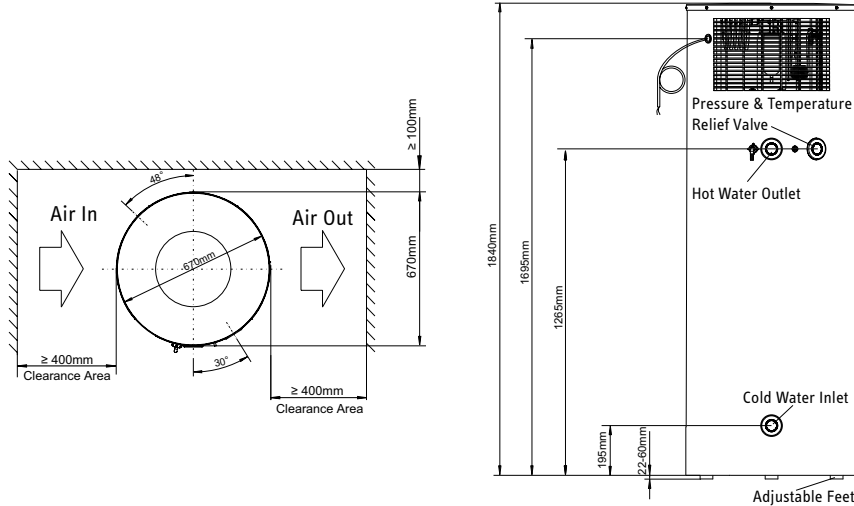
Please note: The number of STCs within each zone are subject to AS/NZS standards or methodology change and were accurate as at 1st December 2011. To confirm current STC's numbers on the STIEBEL ELTRON Heat Pump range please visit the Australian Government Office of the Renewable Energy Regulator website ([www.orer.gov.au](http://www.orer.gov.au)). Diagram of Zones used for illustrative purposes only. To confirm the zone in which your property is located, please visit [www.orer.gov.au](http://www.orer.gov.au)

STIEBEL ELTRON WWK 300A HOT WATER HEAT PUMP IS AN ENERGY EFFICIENT WATER HEATING SOLUTION FOR YOUR HOME.



## Technical Data

MODEL	WWK 300A	WWK 300AH
TYPE OF SYSTEM	HOT WATER HEAT PUMP	HOT WATER HEAT PUMP WITH SMART ELEMENT
CURRENT DRAW	2.3 AMPS	9.4 AMPS (INCLUDING SMART ELEMENT)
ELECTRICAL CONNECTION	1/N/PE - 240V	1/N/PE - 240V
APPLICATION RANGE	0°C TO +42°C	0°C TO +42°C
PERMISSIBLE OPERATING PRESSURE (COLD WATER INLET)	500kPa	500kPa
SMART ELEMENT	N/A	YES
APPROVALS	AUSTRALIAN STANDARDS WATERMARK AS/NZS/2712	AUSTRALIAN STANDARDS WATERMARK AS/NZS/2712
INSTALLATION REQUIREMENTS	AS3500.4.2 & LOCAL AUTHORITY REGULATIONS	AS3500.4.2 & LOCAL AUTHORITY REGULATIONS
I.P RATING	IP24	IP24
REFRIGERANT	R134A	R134A
<b>DIMENSIONS</b>		
HEIGHT (ADJUSTABLE FEET)	1862-1900mm	1862-1900mm
DIAMETER	670mm	670mm
<b>WEIGHTS</b>		
CYLINDER CAPACITY	300 LITRES	300 LITRES
WEIGHT (EMPTY)	125kg	125kg
WEIGHT (FILLED WITH WATER)	425kg	425kg
<b>SOUND DATA</b>		
SOUND LEVEL	49dB	49dB



### AFTER SALES & SERVICE

STIEBEL ELTRON AUSTRALIA has an in-house local Customer Service Centre to assist with all after sales, warranty and technical service enquiries.

To speak to one of our Customer Service Representatives  
Free Call 1800 153 351 (AUSTRALIA).

STIEBEL ELTRON (AUSTRALIA) A.B.N. 82 066 271 083  
FREE CALL 1800 153 351 (AUSTRALIA)  
CALL 0800 200 510 (NEW ZEALAND)  
STIEBEL.COM.AU

### DISCLAIMER

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Call: 1300 75 00 55

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