

SEISMIC RESTRAINTS All Heat Pump Water Heaters require seismic restraints as per NZBC G12 6.11.4/6.11.5.

SEISMIC/ANTI-VIBRATION KIT (OPTIONAL/BEST PRACTICE) Stiebel Eltron kit provides seismic restraints plus anti-vibration control when connected to a building. The Stiebel Eltron seismic/anti-vibration kit consists of;

- 1 x SIMKIT/3 cylinder restraint kit.
- 6 x Vibration mounts and brackets.
- 2 x Wall strip mounting pads.

This kit is available from Parex Industries Ltd, the code is (STAVSS).



STAVSS

SOUND REDUCTION HOODS This accessory comes as a single unit and reduces the sound level of the WWK300A by approx 10 decibels. These are available from Parex Industries Ltd, the code is (ST98034).



ST98034

TIMER (OPTIONAL) The WWK300A Heat Pump Water Heater can operate via an electrical timer. So off peak tariffs and predetermined operating times can be utilised. A separate circuit to the unit enables a user friendly indoor timer programming and control.

QUESTION 5: ARE THERE ANY OTHER CONSIDERATIONS?

PILOT GRANT SCHEME Government Grants of \$1,000 are now available for Stiebel Eltron Heat Pump Water Heaters. Below is a summary of the key points:

- The Stiebel Eltron HPWH should be installed by a qualified tradesman (plumber and electrician).
- Parex will supply a basic water and electrical meter. The homeowner is responsible for these being installed at the same time as the HPWH.
- The homeowner will have to complete a simple application form, provided by the installer and return this to EECA. They are also required to agree to have their system monitored for a period of 3 months. They will then be asked to submit three monthly meter readings to EECA. The payment of the \$1,000 will be split into two parts: \$500 at the time of installation and another \$500 at the end of the monitoring period (currently three months).



For more details visit www.energywise.govt.nz/funding-available/hpwh.html

BUILDING CONSENT Initially, a building consent is required by some councils, however in many cases the council will waive the fee for a Heat Pump Water Heater. Please contact your local Building Consent Officer and the Environmental Policy and Approvals Unit for more information.

PEACE OF MIND In addition to a ten year warranty on the cylinder, Parex Industries offer comprehensive after-sale service on all Stiebel Eltron Heat Pump Water Heaters.

QUESTION 6: WHO SHOULD I SPEAK TO IF I NEED MORE INFORMATION ABOUT THIS PRODUCT OR INSTALLATION?

The Parex team is ready and standing by to provide further product information and assistance with your installation requirements. An operational model is installed at the Parex West Auckland showroom which is open from 8am to 5pm weekdays or may be viewed at other times by appointment.

Parex Industries Limited, 5 Tolich Place, Henderson 0610, Auckland
Tel: 09 836 6566, Fax: 09 836 6033, Email: info@parex.co.nz, Website: www.parex.co.nz



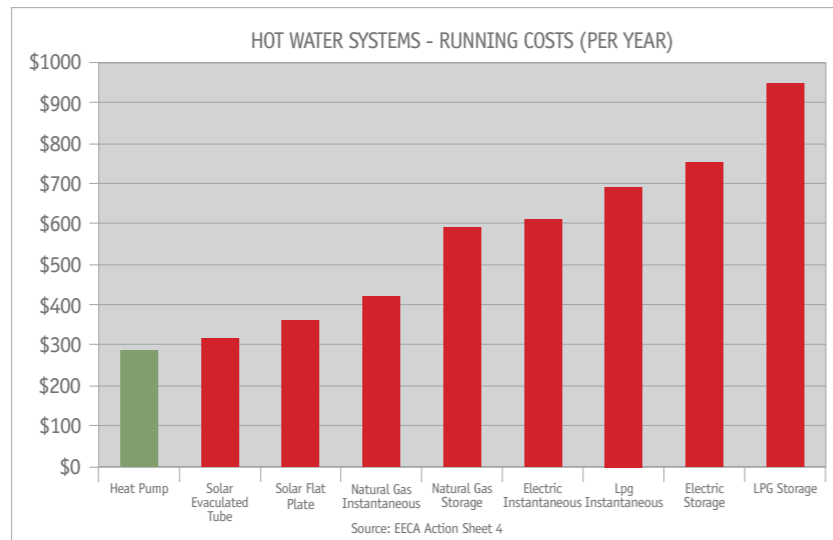
THE GUIDE TO HEAT PUMP WATER HEATERS



STIEBEL ELTRON
Hot Water Systems

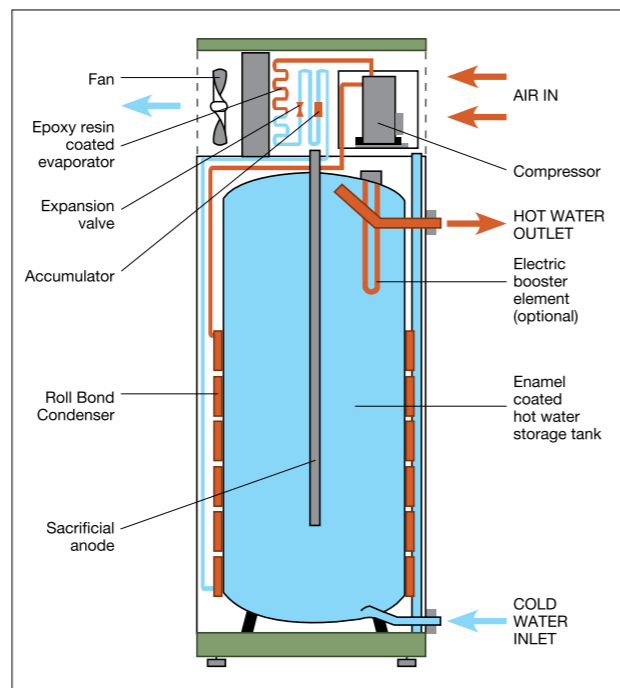
QUESTION 1: WHY SHOULD YOU INSTALL A HEAT PUMP WATER HEATER?

Heat Pump Water Heaters are the most cost effective water heating system available on the market compared to other technologies such as solar, gas and electric cylinders. The system extracts heat from the air temperature, and uses only one third of the energy of a conventional water heating cylinder.



QUESTION 2: WHY SHOULD I CHOOSE A STIEBEL ELTRON HEAT PUMP WATER HEATER?

- Stiebel Eltron's 30 years of research on heat pumps in Germany has ensured that the Stiebel Eltron Heat Pump Water Heater has the highest efficiency rating in its class.
- The actual level of stratified water is best in its class.
- The actual delivery of hot water is market leading – 80% heated to 60 °C.
- It has an outer roll bond condenser for heating the water which provides the highest efficiency, without direct water contact.
- It has active defrost, meaning it uses the hot gas to defrost any ice build up on the evaporator. This allows the unit to operate in low air temperatures.
- It has a lower amperage compared to other models – no electrical upgrades required.

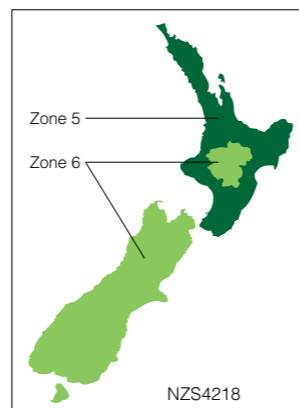


QUESTION 3: WHICH MODEL SHOULD I CHOOSE?

WWK300A The WWK300A is the most popular selling Stiebel Eltron Heat Pump Water Heater suitable for Zone 5. This unit comes with a 300 litre enameled cylinder with a weather proof metal casing, superior PU insulation and epoxy resin coated evaporator. It is suitable for up to a six person household.

WWK300AH The WWK300AH has all the features of the WWK300A and an element included in the design for cooler regions see Zones 6. The operation of the element happens when the water temperature in the top 100 litres of the tank drops to 45 °C. Then the element and the Heat Pump Water Heater both operate until water reaches 60 °C. Large volumes of hot water would have to be consumed before the element would engage operation.

MULTIPLE INSTALLATIONS For larger volumes of water, the WWK300A can be manifolded together (max of 6 units). This can provide up to 1,440 litres of 60 °C water at one time.



RECOVERY RATES FOR THE WWK300A

| AMBIENT TEMPERATURE °C | COP (COEFFICIENT OF PERFORMANCE) | LITRES PER HOUR AT 60 °C |
|------------------------|----------------------------------|--------------------------|
| 0 | 1.5 | 15 |
| 5 | 2.0 | 20 |
| 10 | 2.7 | 26 |
| 15 | 3.1 | 31 |
| 20 | 3.6 | 35 |
| 25 | 4.0 | 38 |

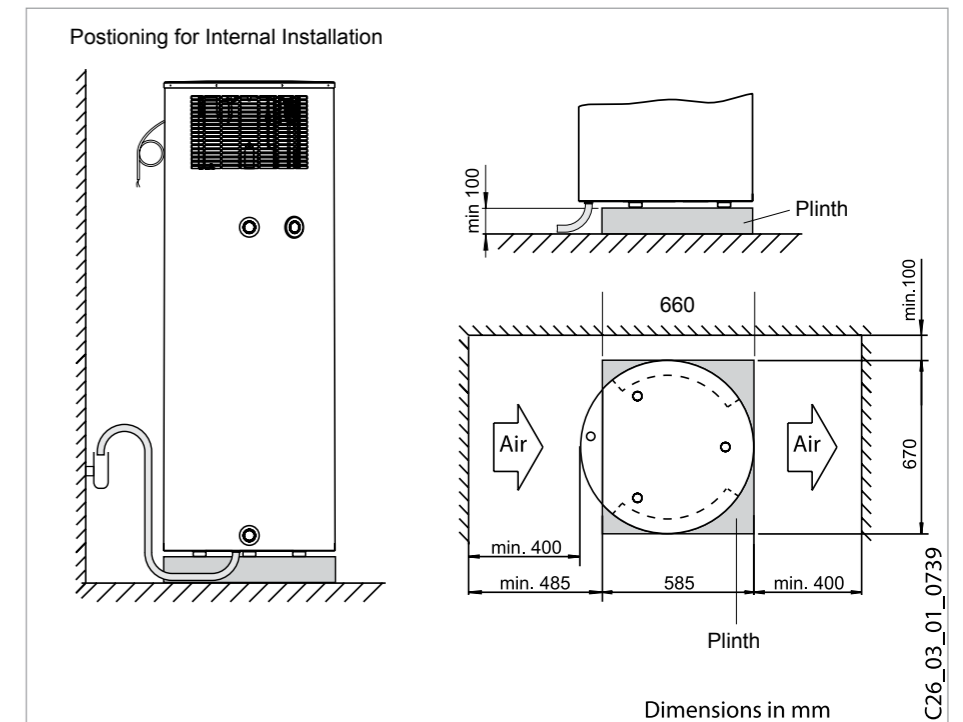
QUESTION 4: WHAT SHOULD I CONSIDER WHEN INSTALLING THIS PRODUCT?

LOCATION The WWK300A is suitable for internal or external installations. Ideally the WWK300A will be situated outdoors and as close as possible to the high demand wet areas such as the bathroom(s). Living and sleeping areas should be taken into consideration when siting the unit. Note the unit is required to sit on a concrete slab or level concrete surface.

If the unit is installed inside (usually a garage) it should sit on a plinth to accommodate the condensate drain.

Note: The available floor area in the installation room must be at least 6m².

Never install this equipment in rooms with a volume of less than 13m³.



VALVE PACK The Plumber who installs these units will require 4 valves;

- 1 x CV75 Inlet control valve, 20mm. Pressure to be set at 350kPa.
- 1 x MIX11125 tempering valve, 20mm.
- 1 x H714 cold water expansion valve, 20mm, 475kPa.
- 1 x Ball-VLV20-M&F ball valve, 20mm.

These valves are available from Parex Industries Ltd as a pack, code is (STVALVEPACK) or from your usual valve supplier. The other valves (STHT764) come free of charge with the unit.



STHT764 valve kit
(Included with the Heat Pump Water Heater)



STVALVEPACK
(Additional Pack to complete installation)