

Frequently Asked Questions

Q. I have an existing hot water cylinder would this need to be changed when installing the Weiss hot water heat pump?

A. Generally no. As long as the hot water cylinder is in good condition there is no need to replace it.

Q. How does the Weiss hot water heat pump compare with a solar water heating system? '

A. While solar water heating systems do produce free energy, they can only do this when there is sufficient sunshine. Therefore, they rely heavily on backup or booster systems, which are generally inefficient elements. The installed performance of New Zealand solar water heating systems is on average 38% savings per annum (BRANZ:2008).

Q. Does the Weiss unit require a backup system?

A. The Weiss hot water heat pump can work in any weather, day or night without the use of a backup system, right down to -4 deg Celsius. On a yearly basis the Weiss hot water heat pump will outperform an electrically boosted solar water heating system.

The Weiss hot water heat pump's efficiency in winter will be considerably higher than a high quality solar system with electric boosting, right when you need it most.

Q. How easy is the Weiss hot water heat pump to install?

A. The Weiss hot water heat pump is designed to be easily installed as a retrofit or into a new build. The system can be coupled to any type of hot water cylinder and there is no need for any bulky roof panels or roof penetrations. The system is installed outdoors.

Q. What is the expected lifespan of a Weiss hot water Heat Pump?

A. About the same as a high quality domestic refrigerator, i.e. 10-15 years.

Q. How close does the heat pump water heater have to be to the hot water cylinder?

A. We recommend a distance of less than 6 metres from the Weiss hot water heat pump to the hot water cylinder to ensure best efficiency.

Q. Does the heat pump water heater need a boost element in winter?

A. Generally, no. The heat pump water heater is designed to provide 100% of water heating requirements year round in most North and South Island Climates.

Q. Will it make my house colder?

A. No. All cold air produced by the heat pump water heater is created outside and will not affect your personal comfort.



For Further Information:

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Enjoy the Savings with a **WEISS™** Hot Water Heat Pump



Environmentally Efficient

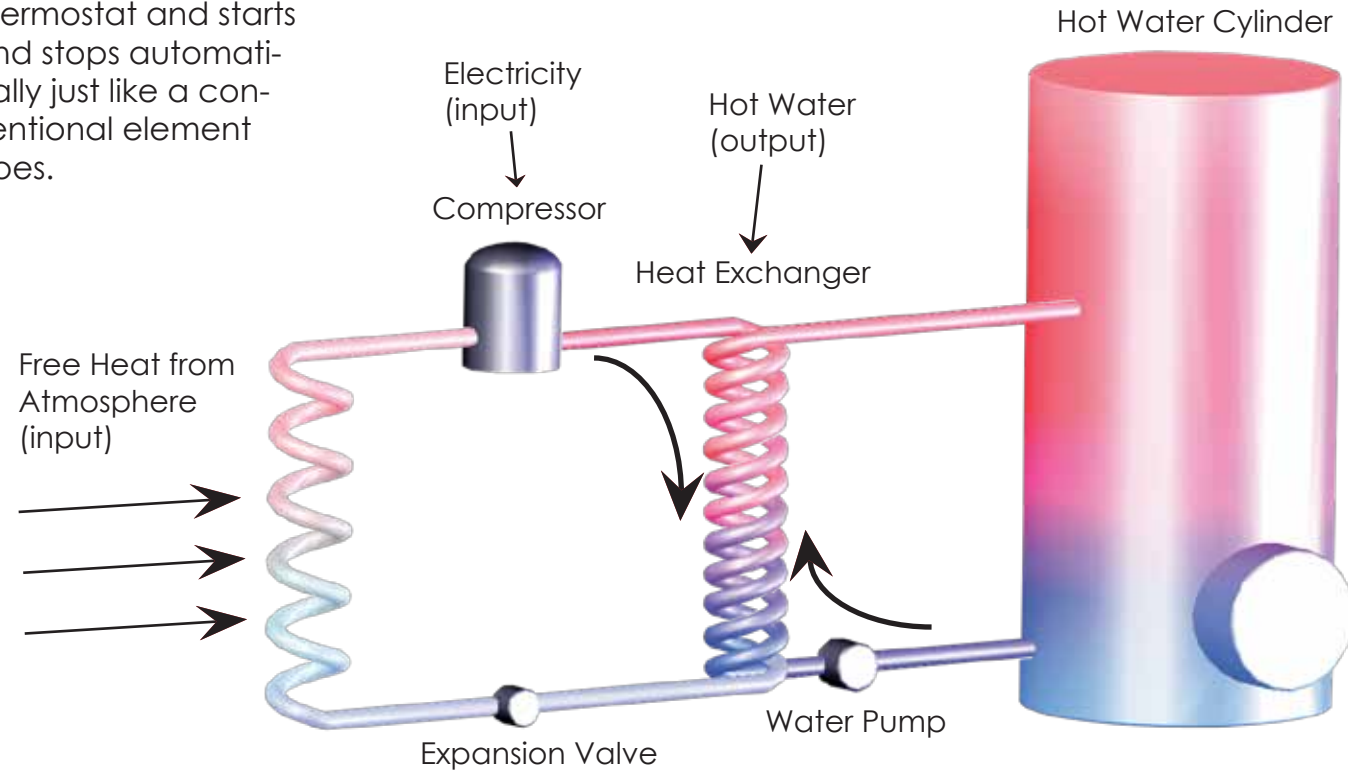


How the system works?

A hot water heat pump works on the same principle as a conventional heat pump, but is all contained in one box outside.

The hot water heat pump contains a pump and draws water from the hot water cylinder, heats it and pumps it back in to your cylinder.

It's controlled by a thermostat and starts and stops automatically just like a conventional element does.



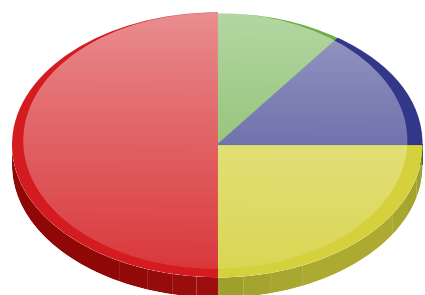
There is an LED control panel/ temperature indicator that mounts to the hot water cupboard, giving you easy control over the system.

You can expect savings of up to 70% on your hot water heating bills.

Because the system is merely transferring the heat, not creating it, the system is VERY efficient.

A typical Heat Pump Water Heater is 300% efficient. For every \$1 of electricity needed to run the compressor pump, the equivalent of \$3 of heat energy is transferred

How your power bill is normally split

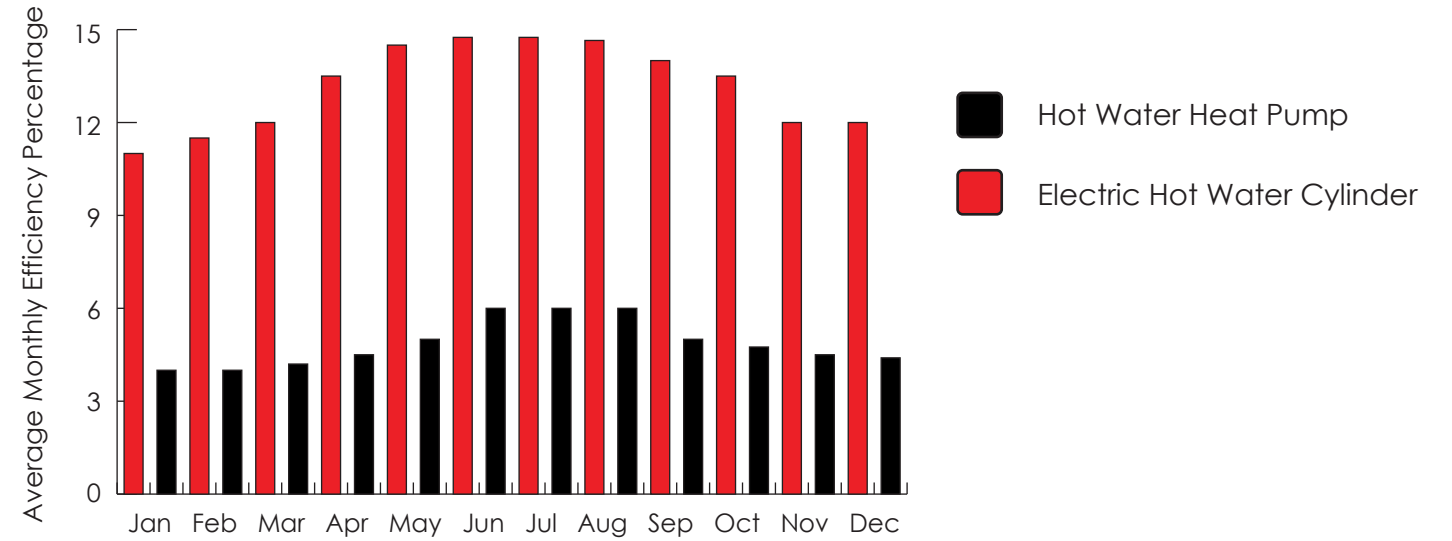


- Hot Water
- Lighting
- Heating
- Cooking

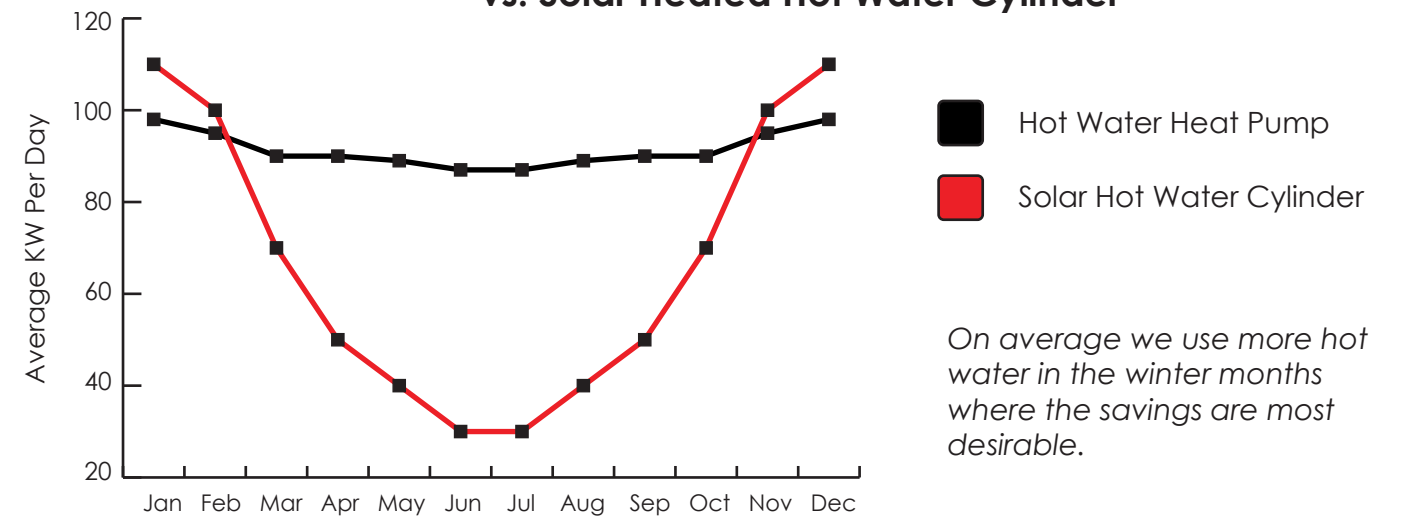
Energy costs are constantly on the rise.

Electricity is becoming more and more expensive, the best option to reduce household costs is to become more efficient and use less energy which is exactly what the AMS Hot Water Heat Pump does.

12 month comparison of Hot Water Heat Pump vs. Electric Hot Water Cylinder



12 month comparison of Hot Water Heat Pump vs. Solar Heated Hot Water Cylinder



The above chart highlights the comparative energy savings of the Weiss hot water heat pump compared to a conventional solar heating roof mounted unit.

The above figures are based around the cooler months and is subject to environmental conditions and geographic locations around New Zealand.

UNIT SPECIFICATIONS

	HWP360	HWP560
Model	HWP360	HWP560
Power Supply	220-240VAC 50Hz	220-240VAC 50Hz
Heating Capacity	3.0kw	4.3kw
Rated Input	1.55kw	1.95kw
Net Weight	56kg	62kg
Refrigerant	R410a/950g	R410a/950g
Noise Level	53dB(A)	55dB(A)
Rating	IP24	IP24
Tested to	AS/NZS: 6035.2.40:2006	AS/NZS: 6035.2.40:2006