



## Hot Water

### Heat Pump Hot Water Systems

#### What is a Heat Pump Hot Water System?

Heat pumps are the latest technology in hot water systems. They use similar technology to your household refrigerator – but instead of producing cold energy, heat pumps produce warm water for your home or office. Heat pump systems utilise the air around it to produce hot water. Refrigerant vapour compression allows the pump to intensify heat, used to produce the hot water. Warm air enters the system, and cooler air is pushed out of the system. Cool water then enters from the tank, and heat is transferred to the water in the heat pump module. Heated water then returns to the tank and is passed on to you for use in your home or office. When power is available, the heat pump heating cycle will continue until the tank is full of hot water – which is stored within the system (the amount of water depends on the size of your system).

#### Why Choose a Heat Pump Hot Water System?

Heat pumps save equivalent amounts of energy and green house gas emissions to electric boosted solar hot water systems. They are relatively low in cost to install and purchase – plus government rebates are currently available for heat pump hot water systems. Heat pumps are seen as a safe alternative as temperature is electronically controlled in most cases. Unlike solar hot water systems, heat pumps do not require solar panels on your roof, increasing the aesthetic. Heat pump systems also use the same connection types as electric hot water systems, making upgrading from your existing electric hot water system very simple. Back up elements ensure you receive hot water all year round – another great reason to choose a heat pump system.

#### What types of Heat Pump Hot Water Systems are available?

There are a few key companies pioneering the manufacture of heat pump hot water systems. Jim's Plumbing has found that some of the higher quality heat pump systems are available through:

- Dux
- Rheem
- Saxon (QLD)

.....AND MORE! If you have a preferred hot water system brand that is not listed here – we can order and install it for you!

*Information on this page is subject to change. Commercial hot water systems also available on enquiry.*

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