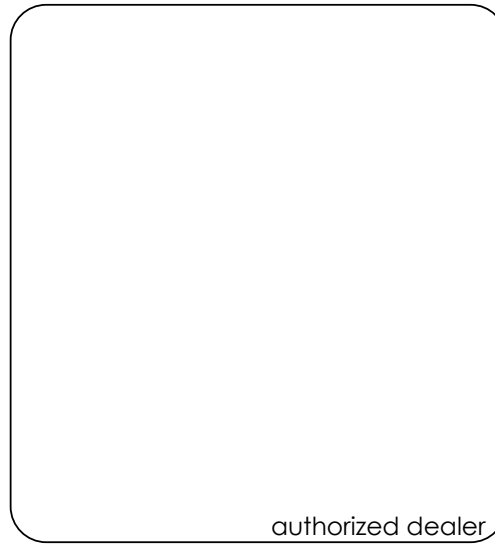


Technical Specifications



Power supply		220V/50Hz/1Ph
Refrigerant		R407c
Hot water available	L/h	120
COP	W/W	4.1
Rated current	A	6.2
Rated power supply	kW	1.3
Power output of electrical heater	kW	3.0
Rated current of electrical heater	A	13.6
Water pipe connections		3/4"
Water temperature setting range	°C	30~55~75**
Highest ambient temperature	°C	43
Lowest ambient temperature	°C	-5
Maximum water pressure	°C	7 bar
Typical water tank capacity	L	100 - 500
Noise level	dBa	60
Net weight	kg	65
Net dimensions	WxDxH	953 x 360 x 555
	(mm)	

Testing conditions: Ambient Temperature 20°C_{db}/15°C_{wb}

Data is subject to changes without prior notice due to ongoing improvement

** Water temperature can reach 55°C with heat pump thereafter electrical heater will be activated. Electrical heater not included.



Residential Water Heating Heat Pump



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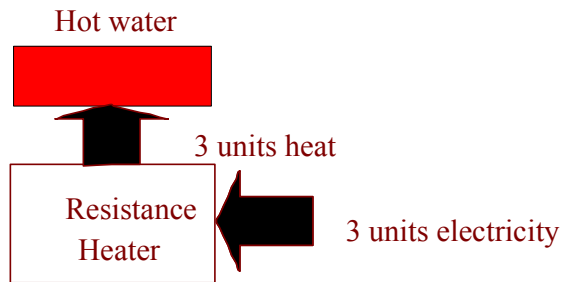
What is a heat pump?

A heat pump is an extremely energy efficient vapour compression heating technology that can make a substantial contribution towards reducing the peak power and energy consumption requirement in residential, commercial and industrial buildings. On a mild day, a typical air-source heat pump has a COP* of between 3 and 4, whereas a typical electric resistance heater has a COP of 1. A heat pump will therefore produce 3-4 units of heat using only 1 unit of electricity.

This implies a saving of about 66 percent!

*Coefficient of performance (COP) is used to describe the ratio of useful heat produced to electrical input.

Direct electrical resistance



Superior Performance

Extensive research coupled with world leading manufacturing technology has resulted in a heat pump design with superior performance and high efficiency.

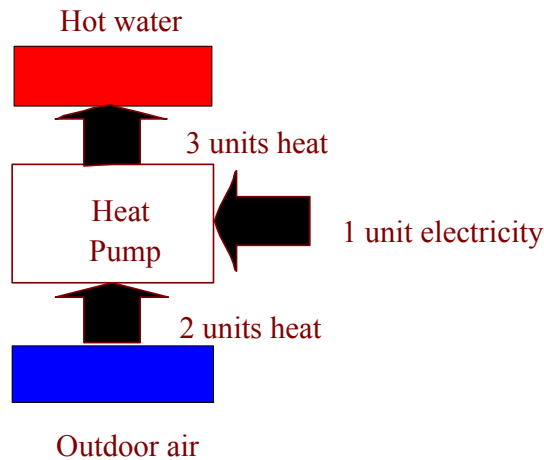
Energy Savings Potential

Currently, water heating contributes approximately 40% of the total electricity usage in the residential sector. By replacing a 3kW electrical element with a heat pump system a reduction of up to 66% in the contribution of water heating to the total electricity usage can be obtained.

This implies a 27% reduction in a household's monthly electrical bill.

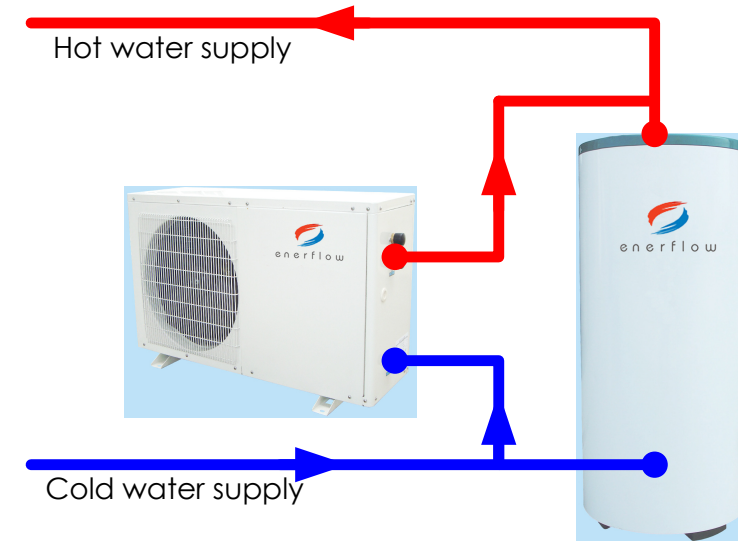
Given the 10% energy savings target set by Eskom for municipalities the implementation of heat pumps will contribute enormously towards reaching this goal.

Heat Pump



Simple Operation

The unit comes complete with an easy to operate intelligent wired controller and temperature sensor to automatically control the system operation to its optimum condition.



Easy Installation

Thanks to the compact packaged unit design little work is required during installation. No refrigeration charge or copper pipe brazing is required, while water pipe and electrical* connections are done with relative ease.

*Qualified electrician is recommended