

ALTERNATIVE ENERGY

# Cobra Heat Pumps



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# Save 60% on your water heating bill using a Cobra Heat Pump

- An alternative way to reduce electricity costs is to fit an air sourced heat pump to your existing geyser.
- Geyser electricity bill can be reduced by up to 60% by retrofitting a Cobra heat pump.
- Although solar systems are an efficient way to heat water, some clients prefer not to have the solar panels exposed and sometimes create an unsightly view.
- 24 hour heating at a third of the normal geyser cost.
- No inefficiency when overcast weather is experienced.

## Things to look out for!!

A Cobra heat pump has a unique “Cross Over Switch” to avoid any cold water experience. If for any reason the heat pump should fail, a simple flick of a switch puts your geyser back on to Eskom power until a technician can attend to the error/ fault, allowing the homeowner the convenience of hot water while the fault is being attended to.

Cobra heat pumps also have a unique way of reticulating the water to and from the geyser and no luke warm water is experienced during a shower or bath.

Cobra heat pumps are designed in South Africa for South African conditions.

Cobra alternative energy forms part of the Cobra Watertech company which has been in South Africa for over 60 years and prides itself on after sales service and technical back up.

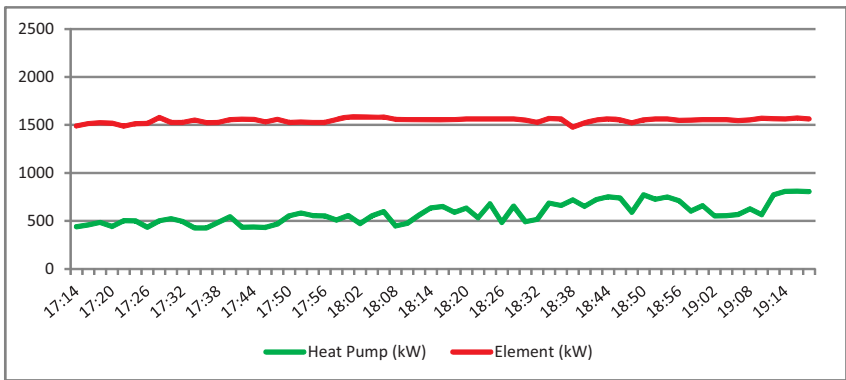
Distribution and service agents are established countrywide and only qualified plumbers registered with PIRB are used for installations.

Cobra heat pumps are competitively priced with 2 domestic options available: 3kW and 4.7kW derivatives. Typically a 3kW heat pump will only consume 0.8kW of energy and a 4.7kW system consumes 1.4kW's of energy to generate 4.7kW's of energy.

Dual geyser systems can be fitted to a single heat pump and allows a larger rebate payback if more than 300 litres is heated this way. (Cobra heat pumps are eligible for a Eskom rebate).

Alternative energy solutions for your specific needs can be offered by calling one of our qualified technicians.

Features a 'Hygiene cycle' which raises water temperature once a week for the control of infectious agents including Legionella.



Energy consumption: Electric element vs. heat pump for one heating cycle.



### HEAT PUMP (3kW)

**Description:** Cobra heat pump 3.0kW rated output, white powder coated. \* Pending promulgation of SANS standard  
**Code:** HP-3.0W

#### Features and Benefits:

- Cobra heat pumps are suitable for retro-fitting to existing hot water cylinders
- 3.0kW thermal energy rated output
- Uses only 0.8kW electrical input
- COP rating of 3.33
- Suitable for 100 - 200l hot water cylinders
- Expected electricity savings on water heating bill of up to 60%
- Heat pump rated water output temperature 55°C
- Uses environmentally friendly CFC (chlorofluorocarbon) free gas
- Cobra accredited installer list within packaging
- Features a 'Hygiene cycle' for the control of infectious agents including Legionella



### HEAT PUMP (4.7kW)

**Description:** Cobra heat pump 4.7kW rated output, white powder coated. \* Pending promulgation of SANS standard  
**Code:** HP-4.7W

#### Features and Benefits:

- Cobra heat pumps are suitable for retro-fitting to existing hot water cylinders
- 4.7kW thermal energy rated output
- COP rating of 3.66
- Suitable for 200l and larger hot water cylinders
- Expected electricity savings on water heating bill of up to 60%
- Heat pump rated water output temperature 55°C
- Uses environmentally friendly CFC (chlorofluorocarbon) free gas
- Cobra accredited installer list within packaging
- Features a 'Hygiene cycle' for the control of infectious agents including Legionella
- Includes ring feed option