

# FREE ENERGY FROM THE AIR

# HEAT PUMPS

**Heat pumps** in the form of home refrigerators, air conditioners, etc, have been available for many years. The common kitchen fridge is a heat pump that removes energy from the cold box and transfers this heat to the outside air.

A **heat pump** is a similar machine which removes heat from the air. It transfers this energy to the water which in turn becomes hotter. This results in large savings as a result of the use of the free heat energy in the air - a heat pump will typically **SAVE** you 70% of the running costs of an equivalent electric element heater.

## WHEN TO USE A HEAT PUMP

A Heat pump is ideal for any situation where hot water (or hot fluid) is required at or below 60 degrees C and it can be plugged into an existing system.

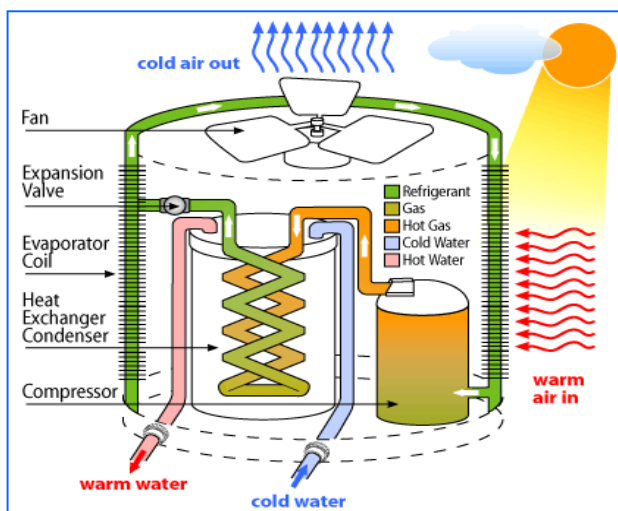
## BENEFITS OF THE SYSTEM

- A **heat pump** cuts coal and Diesel heating bills by up to 85%
- The by-product of the **heat pump** system is cold air or water which may be used for air-conditioning purposes. This can be ducted to any area of choice.
- The cost of heating hot water will be reduced by 70% if electricity is the current energy source, and by up to 85% if the source is diesel LPG or HFO.

## WHERE GREAT SAVINGS CAN BE MADE

- In Hotels
- In Ablution Blocks
- In Hospitals
- In Hot Water Systems
- In processes where the liquid is heated to <math><60^{\circ}\text{C}</math>

## A TYPICAL HEAT PUMP



DBN: 031 274 1050  
 RBAY: 035 797 4866  
 CT: 021 532 5360  
 JHB: 011 397 7936

[www.magnetgroup.co.za](http://www.magnetgroup.co.za)