

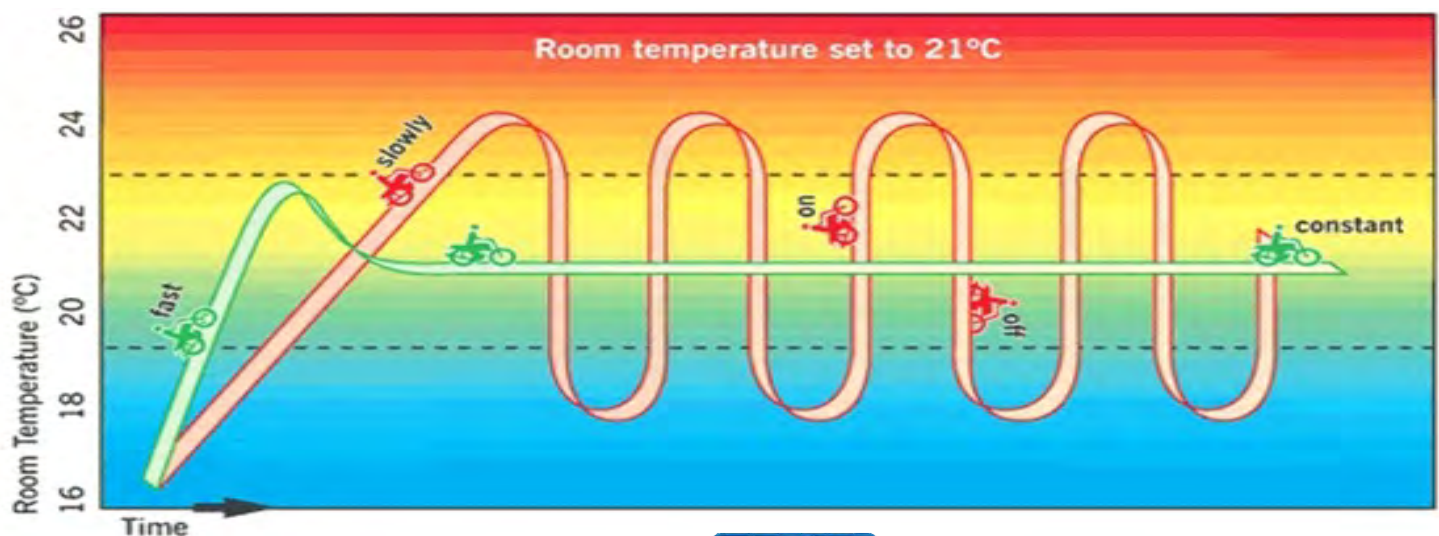
Choosing between Non - Inverter vs Inverter unit

It's a common misconception that an 'inverter' system is one that heats as well as cools. But both systems offer both functions - so what's the difference between an inverter and non-inverter?

A non-inverter is a basic model which operates at a fixed speed, simply controlling temperature by switching on/off alternately. These are significantly cheaper to buy but consume up to 40% more electricity, because of this fluctuation.

Alternatively, a more sophisticated 'inverter' has a variable-speed compressor which constantly regulates to the desired temperature – a more economic method of operation and A-graded for energy-efficiency. Although costing more to buy, inverter units offer a wise long-term investment.

The illustration below, will give you a much clearer differentiation between the two systems. The **red** line is a non-inverter unit and the **green** line is an inverter unit.



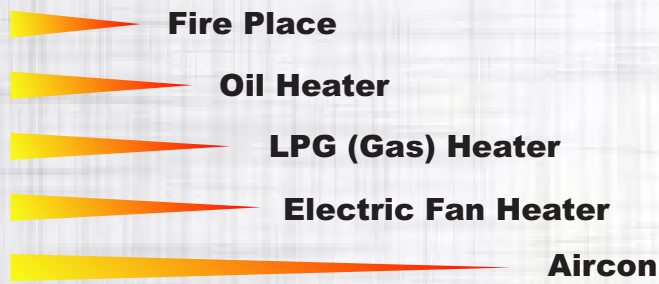
STAY COOL IN SUMMER WARM IN WINTER WITH



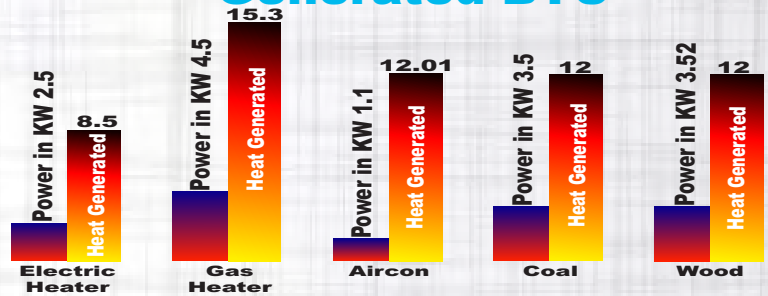
SAVE MONEY

FROM CONVENTIONAL HEATING

Efficiency %



Power inputs Kw vs Heat Generated BTU



	2 Bar Heater	Gas Heater	Coal	Wood	12 000 BTU Air Conditioner
Input Power	2500W	4500W	3500W	3520W	1100W
Cost (Rand/hr.)*	R2.58	R6.20	R3.52	R2.29	R1.13
Heat Generated (BTU/hr.)	8 532	15 358	12 000	12 000	12 000
Cost Comparison (Rand per 1000 BTU)*	R0.30	R0.40	R0.29	R0.19	R0.10

*(Cost Calculations Based On Prices And Rates At Time Of Writing)

Why is that?

*Heat the air instantaneously

*No lost energy, so no power wastage

*Circulates already heated air, using less power

*Thermostatically controlled (switches off at the desired temperature) so no more discomfort

*Does not use an exposed element or open flame, so no risk of damage or loss of life

* Can be set to switch on or off when needed

*Does not need to run all day to warm the living space

* Filters the air while circulating

*Removes harmful bacteria and dust from the environment



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