

TEST REPORT
ENERGY EFFICIENCY WITH AND WITHOUT AIRCO SAVER

Period

14 February 2011 to 16 February 2011
(2 Days per air conditioner running 24 hours per day)

Result

Electricity consumption without Airco Saver – 107.2555 kWh

Electricity consumption with Airco Saver – 94.5765 kWh

SAVING over 48 hour period – 12.679 kWh

Conclusion

Kwh without AircoSaver		107.2555
kWh without AircoSaver		94.5765
Saving in kWh		12.679
Saving in kWh per day		6.3395
Saving in kWh per annum		2313.9175
Reduction of CO2 emissions per annum		2.3139175
Value of saving @40.72c /kWh	R	5.16
Value of saving per day	R	2.58
Value of Saving per month	R	77.44
Value of saving/month after 23% increase	R	95.26
Total Saving until tariff increase (6 months)	R	464.66
Total Saving after tariff increase (12 months)	R	1 143.06
Total Saving for year 1	R	1 607.72
ROI @ R1250-00 PER UNIT (in months)		0.78
ROI @ R820-00 PER UNIT		0.51

Equipment

1 x Airco Saver
2 x Elster A220 Class 1 Single Phase logging meters
2 x Gree High wall Split Air conditioners – 30 000 BTU

Site

Server room, Metropolitan Corner, Cape Town
Air conditioners operate 24 hours per day, 7 days per week, 365 days per year in 12 hours shifts

Meter Readings

Half hourly logged data over period of test recorded on both Electricity Meters.

Meter Serial Numbers:

305 315 76

306 046 46

Tariff Applied

Cape Town – LV demand tariff