

TEST REPORT
ENERGY EFFICIENCY WITH AND WITHOUT AIRCO SAVER

Period

19 November 2010 – 25 November 2010
26 November 2010 2 December 2010
(6 Days per air conditioner running 12 hours per day)

Result

Electricity consumption without Airco Saver – 37.06 kWh
Electricity consumption with Airco Saver – 23.16 kWh

SAVING over 6 day period – 13.9 kWh

Conclusion

Kwh without AircoSaver	37.06
kWh with AircoSaver	23.16
Saving in kWh per week	13.9
Saving in Kwh per annum	722.8
Reduction CO2 emissions per annum	0.7228
Value of saving @66.60c /kWh	R 9.26
Value of saving per day	R 1.32
Value of Saving per month	R 41.00
Value of saving/month after 23% increase	R 50.43
Total Saving until tariff increase	R245.98
Total Saving after tariff increase	R302.56
Total Saving for year 1	R548.54
ROI @ R820-00 PER UNIT	16 months

Equipment

1 x Airco Saver
2 x Elster A220 Class 1 Single Phase logging meters
2 x LG High wall Split Air conditioners – 1600 watt 7 Amps

Site

Base Station for telecommunication industry.
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:

303 65429

303 65438

Tariff Applied

Ekurhuleni Business Tariff