

## ANALYSIS & EVALUATION SHEET AIRCOSAVER SAVINGS ON AC UNIT

Company: Hospital El Maestro  
 Installation Address: Medical Insurance Factor Office  
 Contact: Ing. Luis Martínez y/o Sr. Miguel Lassu Phone Nur 787-758-5915

**Unit Information from nameplate:**

Make: White Westinhouse (Window Unit) Model: AS246P2C3  
 Serial: JK52509378 Tonnage or BTU: 24,000  
 Line Voltage: 208 Amp: 15-16 Phasing: 1 PF: 90

**24 HRS TEST PRIOR TO INSTALL**

Beg Date 11/22/2006  
 Beg Time 10:10 A.M.

**Thermostat set point**

Setting Inside 11  
 Temp Inside  
 Min 69.0°  
 Aver 71.4°  
 Max 82.8°

**Ambient Temp**

Min 74.9°  
 Aver 86.2°  
 Max 110.8°

**Humidity Conditions**

Humidity Inside  
 Min 39.7%  
 Aver 50.2%  
 Max 60.5%

Humidity Outside

Min 39%  
 Aver 64%  
 Max 93%

**Power Consumption (Kw-h)**

Meter initial reading 111.3  
 Meter final reading 237.2  
 Total Kw-h consumed 125.9

**Witnesses**

ING. MARTINEZ **By:** Customer

WMM GSS

Data Collected Date 11/24/2006  
 Data Collected Time 10:00 A.M.

**24 HRS AFTER INSTALL**

Beg Date 11/24/2006  
 Beg Time 10:45 A.M.

**Thermostat set point**

Setting Inside 11  
 Temp Inside  
 Min 70.5°  
 Aver 72.1°  
 Max 79.9°

**Ambient Temp**

Min 74.7°  
 Aver 86.8°  
 Max 113.9°

**Humidity Conditions**

Humidity Inside  
 Min 47.0%  
 Aver 55.8%  
 Max 64.9%

Humidity Outside

Min 38%  
 Aver 67%  
 Max 98%

**Power Consumption (Kw-h)**

Meter initial reading 238.2  
 Meter final reading 387.8  
 Total Kw-h consumed 149.6

**Witnesses**

M. LASSU **By:** Customer

WMM GSS

Data Collected Date 11/27/2006  
 Data Collected Time 9:30 A.M.

## SAVING ANALYSIS

Description	Total Kw-h	Tested Time (Hours)	Average Kw-h	Hourly Exp \$0.19	Annual Exp * 70% **
Total Kw-h consumed (before Installation) (1 Day: 23 Hours: 50 Minutes)	125.9	47.83	2.63	\$0.50	\$2,045
Total Kw-h consumed (after Installation) (2 Days: 22 Hours: 45 Minutes)	149.6	70.75	2.11	\$0.40	\$1,642
Kw-h/Money Saved			<b>0.52</b>	\$0.10	\$402
Savings %			<b>20%</b>		

\* 16 Daily Hours Operation

\*\* Average Annual Occupancy

## INVESTMENT AND RETURN ON INVESTMENT

UNITS QTY	Unit Price	Total Investment	Total Annual Savings	ROI %	ROI Months
300	\$350	\$105,000	\$120,644	114.90%	10.4

## AVERAGE ENERGY CONSUMPTION PER HOUR (AMP)

	AVERAGE A-H	
	L1	L2
BEFORE INST	11.008	10.933
AFTER INST	8.691	8.599
<b>AVG SAVINGS (AMP)</b>	<b>2.317</b>	<b>2.334</b>
<b>AVG SAVINGS (%)</b>	<b>21.0%</b>	<b>21.3%</b>