

# Analysis & Evaluation Sheet

## ACES Second Generation

### Savings On Split-System AC Unit

Company:  
ESJ Tower - Hotel in Central America

Installation Address:  
Room 567

Contact:  
Mr. Estrada y/o Pablo Phone Num:

Unit Information from nameplate:

|                     |               |     |
|---------------------|---------------|-----|
| Make:               | Line Voltage: | 208 |
| Model:              | Amp:          | 10  |
| Serial:             | Phasing:      | 2   |
| Tonnage or BTU: 1,5 | PF:           | 85  |

#### 24 Hrs TEST PRIOR TO INSTALL

Beg Date 20.10.2006  
Time 2:15 P.M.

##### Thermostat set point

|                |     |
|----------------|-----|
| Setting Inside | 69° |
| Temp Inside    |     |
| Min            | 70° |
| Aver           | 71° |
| Max            | 81° |

##### Ambient Temp

|      |     |
|------|-----|
| Min  | 82° |
| Aver | 97° |
| Max  | 98° |

##### Humidity Conditions

|                 |     |
|-----------------|-----|
| Humidity Inside |     |
| Min             | 45% |
| Aver            | 53% |
| Max             | 73% |

##### Humidity Outside

|      |     |
|------|-----|
| Min  | 42% |
| Aver | 47% |
| Max  | 77% |

##### Power Consumption (Kw-h)

|                       |       |
|-----------------------|-------|
| Meter initial reading | 0     |
| Meter final reading   | 36,89 |
| Total Kw-h consumed   | 36,89 |

|                  |            |
|------------------|------------|
| <b>Witnesses</b> | <b>By:</b> |
|                  | Customer   |
| WMM              | GSS        |

Data Collected Date 21.10.2006  
Data Collected Time 2:15 P.M

#### 24 Hrs AFTER INSTALL

Date 23.10.2006  
Beg Time 2:30 P.M.

##### Thermostat set point

|                |     |
|----------------|-----|
| Setting Inside | 69° |
| Temp Inside    |     |
| Min            | 70° |
| Aver           | 72° |
| Max            | 81° |

##### Ambient Temp

|      |     |
|------|-----|
| Min  | 86° |
| Aver | 97° |
| Max  | 99° |

##### Humidity Conditions

|                 |     |
|-----------------|-----|
| Humidity Inside |     |
| Min             | 48% |
| Aver            | 63% |
| Max             | 71% |

##### Humidity Outside

|      |     |
|------|-----|
| Min  | 45% |
| Aver | 49% |
| Max  | 73% |

##### Power Consumption (Kw-h)

|                       |       |
|-----------------------|-------|
| Meter initial reading | 88,29 |
| Meter final reading   | 110,8 |
| Total Kw-h consumed   | 22,51 |

|                  |            |
|------------------|------------|
| <b>Witnesses</b> | <b>By:</b> |
| Customer AAD     | Customer   |
| WMM              | GSS        |

Data Collected Date 24.10.2006  
Data Collected Time 2:50 P.M.

### Saving Analysis

| Description                               | Total Kw-h    | Tested Time (Hours) | Daily Exp \$0,19 | Annual Exp 70% * |
|---|---------------|---------------------|------------------|------------------|
| Total Kw-h consumed (before Installation) | 36,89         | 24                  | \$7,01           | \$1.791          |
| Total Kw-h consumed (after Installation)  | 22,51         | 24,3                | \$4,28           | \$1.093          |
| Kw-h/Money Saved                          | 14,38         |                     | \$2,73           | \$698            |
| <b>Savings %</b>                          | <b>38,98%</b> |                     |                  |                  |

\* Average Annual Occupancy