

Project : PProject1  
 Created By : firstname lastname

### Customer Input

Selected Model / Type : UAM80C3F /  
 Ambient Temperature : 77.0 °F Frequency : 50 Hz  
 Chilled Water : EWT 51.80 °F Voltage : 380 V  
 LWT 46.40 °F Country of Origin : Malaysia

### Generated Outputs

| Full Load Performance |   | Nominal Data (AHRI Standard) |       |  |  | Input Conditions |  |  |  |                     |
|-----------------------|---|------------------------------|-------|--|--|------------------|--|--|--|---------------------|
| Cooling Capacity      | : |                              | 10.00 |  |  | 90.00            |  |  |  | TR                  |
|                       |   |                              | 351.7 |  |  | 316.5            |  |  |  | kW                  |
| Current               | : | Compressor                   | 201   |  |  | 48               |  |  |  | A                   |
|                       |   | Fan                          | 18    |  |  | 12               |  |  |  | A                   |
|                       |   | Total                        | 219   |  |  | 60               |  |  |  | A                   |
| Power Input           | : | Compressor                   | 43.00 |  |  | 39.00            |  |  |  | kW                  |
|                       |   | Fan                          | 12.00 |  |  | 12.00            |  |  |  | kW                  |
|                       |   | Total                        | 55.00 |  |  | 51.00            |  |  |  | kW                  |
| COP                   | : |                              | 1.580 |  |  | 5.330            |  |  |  | kW/kW               |
| Flow Rate             | : |                              | 266.6 |  |  | 100.0            |  |  |  | gpm                 |
| Pressure Drop         | : |                              | 10.1  |  |  | 0.343            |  |  |  | ft H <sub>2</sub> O |
| Note                  | : |                              |       |  |  |                  |  |  |  |                     |

### Part Load Performance

|                        |   |       |       |       |       |       |       |       |       |       |       |                     |
|------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------------|
| IPLV                   | : | -     |       |       |       |       |       |       |       |       |       | kW/kW               |
| Point                  | : | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    |                     |
| Corresponding Capacity | : | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | %                   |
| Total Cooling Capacity | : | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | TR                  |
| Total Cooling Capacity | : | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | kW                  |
| Total Power Input      | : | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | kW                  |
| Total Current          | : | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | A                   |
| COP                    | : | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | kW/kW               |
| Ambient Temperature    | : | 32.0  | 32.0  | 32.0  | 32.0  | 32.0  | 32.0  | 32.0  | 32.0  | 32.0  | 32.0  | °F                  |
| EEWT                   | : | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | °F                  |
| ELWT                   | : | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | 32.00 | °F                  |
| Flow Rate              | : | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | gpm                 |
| Pressure Drop          | : | -     | -     | -     | -     | -     | -     | -     | -     | -     | -     | ft H <sub>2</sub> O |

### Others

|                            |   |            |                 |  |  |  |  |  |  |  |           |
|----------------------------|---|------------|-----------------|--|--|--|--|--|--|--|-----------|
| MCA                        | : |            | 0               |  |  |  |  |  |  |  | A         |
| No. of Refrigerant Circuit | : |            |                 |  |  |  |  |  |  |  | -         |
| Refrigerant Type           | : |            |                 |  |  |  |  |  |  |  | -         |
| Refrigerant Charge         | : | System 1/2 | 0.0 / 0.0       |  |  |  |  |  |  |  | lb/System |
| Chiller Dimension          | : | W / D / H  | 0.0 / 0.0 / 0.0 |  |  |  |  |  |  |  | ft        |
| Weight                     | : | Shipping   | 0               |  |  |  |  |  |  |  | lb        |
|                            | : | Operating  | 0               |  |  |  |  |  |  |  | lb        |

### Evaporator

|                       |   |           |       |  |  |  |  |  |  |  |                     |
|-----------------------|---|-----------|-------|--|--|--|--|--|--|--|---------------------|
| Type                  | : |           |       |  |  |  |  |  |  |  | -                   |
| Inlet/Outlet Diameter | : |           |       |  |  |  |  |  |  |  | -                   |
| Flow Rate             | : | Min / Max | - / - |  |  |  |  |  |  |  | gpm                 |
| Pressure Drop         | : | Min / Max | - / - |  |  |  |  |  |  |  | ft H <sub>2</sub> O |

### Compressor

|            |   |            |           |  |  |  |  |  |  |  |               |
|------------|---|------------|-----------|--|--|--|--|--|--|--|---------------|
| Quantity   | : | System 1/2 | / -       |  |  |  |  |  |  |  | -             |
| Type       | : |            |           |  |  |  |  |  |  |  | -             |
| Oil Charge | : | System 1/2 | 0.0 / 0.0 |  |  |  |  |  |  |  | gallon/System |

### Condenser

|                     |   |      |      |  |  |  |  |  |  |  |                       |
|---------------------|---|------|------|--|--|--|--|--|--|--|-----------------------|
| Coil                | : |      |      |  |  |  |  |  |  |  | -                     |
| Tube                | : | Type |      |  |  |  |  |  |  |  | -                     |
| Fin                 | : | Type |      |  |  |  |  |  |  |  | -                     |
| Surface Area/ Coil  | : |      | 0.00 |  |  |  |  |  |  |  | ft <sup>2</sup> /Coil |
| Fan                 | : |      |      |  |  |  |  |  |  |  | -                     |
| Type/ Drive         | : |      | /    |  |  |  |  |  |  |  | -                     |
| Quantity per System | : |      |      |  |  |  |  |  |  |  | -                     |