Standard Features:

- **ETL listed** to UL1995 & CAN/CSA C22.2 No. 236-11, 4th edition, 10/14/2011
- **Single point power connection**
- **Pentra Microsmart, Programmable Logic Controller (PLC)** with easy to use HMI touch screen display
- **STAINLESS STEEL** Tank
- **STAINLESS STEEL**, brazed plate evaporator
- **Scroll compressor with crankcase heater**
- **Suction accumulator**
- **Water flow switch**
- **Hot gas by-pass capacity control**
- **24V control transformer**
- **Direct drive condenser fan motor**
- **Rust resistant, high CFM, aluminum condenser fan blade**
- **Condenser(s): copper tube/aluminum fin**
- **Compressor motor contactor**
- **Condenser motor and control circuit fusing**
- **Painted (Powder Coated), galvanized sheet metal cabinet**
- **1/2" insulation on all water and Low pressure refrigerant lines**
- **Liquid line drier, sight glass, solenoid, TXV**
- **Complete refrigerant charge from factory**
- **Factory Performance Test prior to shipment**
- **Extended warranty**: See your quote or latest IOM booker revision

Options:

- **Remote Idec touchscreen control panel**
- **Industrial VPN Router**
- **5 Port Ethernet Switch**
- **BacNet Gateway**
- **Process Pump VFD Controller**
- **VFD Compressor Control**
- **4 year extended compressor warranty**
- **Casters (factory mounted)**
- **115 volt (rain tight) service outlet**
- **Non Fused Disconnect**
- **Phase Monitor, line voltage monitor offering protection against phase loss/reversal, unbalance and High/Low voltage**
- **Compressor fusing**
- **Compressor Sound Cover**
- **Flooded cond. w/receiver/head pressure control (0°F)**
- **Heated, flooded cond. w/receiver/head pressure Water flow meter control (-20°F)**
- **Dual process pump with auto changeover**
- **Pump suction isolation valve**
- **Water pressure gauge set**
- **Copper finned condenser coil (coastal protection)**
- **Coastal powder coat paint protection**
- **E-Coat Condenser Coil (coastal protection)**
- **Water Flow Meter**
- **Auto city water make up solenoid & auto level switch**
- **Auto city water changeover panel with filter**
- **Stainless steel, SCH80 PVC or Polypropylene piping for deionize and reverse osmosis water systems**
- **Storage tank sight glass**
- **Door Mounted HMI with weather proof cover**
# PRODUCT DATA SHEET

**Model: PZAT1S**

Packaged Air-Cooled 1 Ton Chiller

with Stainless Steel Tank

## Dimensional & Electrical Table

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Power</th>
<th>Compressor</th>
<th>Fan Motor</th>
<th>Recirculation Pump FLA</th>
<th>MCA</th>
<th>M.O.P</th>
<th>Reservoir Gal.</th>
<th>Chiller Fluid Conn.</th>
<th>Weight</th>
<th>Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>PZAT1SE5</td>
<td>36</td>
<td>34</td>
<td>68</td>
<td>208/230V</td>
<td>1</td>
<td>60Hz</td>
<td>1</td>
<td>1.3</td>
<td>8.3</td>
<td>40.3</td>
<td>1</td>
<td>3.8</td>
<td>4.2</td>
</tr>
</tbody>
</table>

## Capacity Table (Refrigerant R407C)

<table>
<thead>
<tr>
<th>Model</th>
<th>Compressor</th>
<th>LWT °F</th>
<th>80°F</th>
<th>90°F</th>
<th>95°F</th>
<th>100°F</th>
<th>105°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>1S</td>
<td>ZR16K5E</td>
<td>*42.0</td>
<td>.98</td>
<td>1.2</td>
<td>7.5</td>
<td>.90</td>
<td>1.3</td>
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<td></td>
<td></td>
<td>*44.0</td>
<td>1.0</td>
<td>1.2</td>
<td>7.7</td>
<td>.95</td>
<td>1.3</td>
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<tr>
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<td></td>
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<td>1.05</td>
<td>1.2</td>
<td>7.8</td>
<td>.98</td>
<td>1.3</td>
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<tr>
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<td></td>
<td>50.0</td>
<td>1.2</td>
<td>1.2</td>
<td>8.4</td>
<td>1.1</td>
<td>1.3</td>
</tr>
</tbody>
</table>

* = Requires the use of glycol.

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**Product Dimensional Drawing**

[Diagram of the chiller showing various views and dimensions]