**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 booklet revision

**Options:**

- **Copeland Digital Scroll Compressor**
- **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)
- **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: PZAT7S**  
Packaged Air-Cooled  
7 Ton Chiller  
*with Stainless Steel Tank*

### Dimensional & Electrical Table (Single Circuit)

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length Inches</th>
<th>Width Inches</th>
<th>Height Inches</th>
<th>Power</th>
<th>Compressor</th>
<th>LRA ea.</th>
<th>LRA ea. Qty</th>
<th>Fan Motor FLA</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 Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>PZAT7SF5</td>
<td>75</td>
<td>34</td>
<td>76</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>1</td>
<td>8</td>
<td></td>
<td>28.8</td>
<td>195</td>
<td>3.8</td>
<td>5.4</td>
<td>50</td>
</tr>
<tr>
<td>PZAT7SH5</td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
<td>14.7</td>
<td>95</td>
<td>2</td>
<td>1.5</td>
<td>1.4</td>
<td></td>
<td>30</td>
<td>40</td>
<td>50</td>
<td>1&quot; FPT</td>
<td></td>
</tr>
<tr>
<td>PZAT7SI5</td>
<td>57.5V</td>
<td>3</td>
<td>60Hz</td>
<td>10.8</td>
<td>80</td>
<td>1.72</td>
<td>1</td>
<td>20</td>
<td></td>
<td>20</td>
<td>25</td>
<td>50</td>
<td>1&quot; FPT</td>
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</table>

### Capacity Table (Refrigerant R407C)

<table>
<thead>
<tr>
<th>Model</th>
<th>Compressor</th>
<th>LWT °F</th>
<th>80°F TONS KW EER</th>
<th>90°F TONS KW EER</th>
<th>95°F TONS KW EER</th>
<th>100°F TONS KW EER</th>
<th>105°F TONS KW EER</th>
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</thead>
<tbody>
<tr>
<td>7S</td>
<td>ZB58KCE</td>
<td>42.0</td>
<td>6.0 5.9 11.1 5.9 6.6 9.8</td>
<td>5.7 6.9 9.1 5.4 7.3 8.5</td>
<td>5.2 7.7 8.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>6.3 6.0 11.4 6.1 6.6 10.0 5.9 7.0 9.4</td>
<td>5.7 7.3 8.8</td>
<td>5.4 7.7 8.2</td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>6.4 6.0 11.6 6.3 6.7 10.2 6.1 7.0 9.6</td>
<td>5.9 7.4 9.0</td>
<td>5.6 7.8 8.4</td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>7.2 6.2 12.3 6.9 6.8 10.8 6.8 7.2 10.2</td>
<td>6.6 7.5 9.6</td>
<td>6.3 7.9 9.0</td>
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<td></td>
</tr>
</tbody>
</table>

* = Requires the use of glycol.

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