Model: PZAT5S
Packaged Air-Cooled 5 Ton Chiller

with Stainless Steel Tank

STANDARD ON ALL LEGACY CHILLER MODELS:
- Pentra Microsmart, Programmable Logic Controller (PLC) with HMI Touch Screen Display.
- Stainless Steel Tank
- 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 bookett 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)
- 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

© Property of Legacy Chiller Systems, Inc.
PRODUCT DATA SHEET

Model: PZAT5S
Packaged Air-Cooled
5 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>Voltage</th>
<th>Phase</th>
<th>Freq.</th>
<th>HP</th>
<th>RLA ea.</th>
<th>LRA ea.</th>
<th>Fan Motor Qty</th>
<th>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>PZAT5SF5</td>
<td>46</td>
<td>34</td>
<td>74</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>1</td>
<td>16.6</td>
<td>156</td>
<td>3.8</td>
<td>4.2</td>
<td>35</td>
<td>45</td>
<td>50</td>
<td>1&quot; FPT</td>
<td>900</td>
</tr>
<tr>
<td>PZAT5SH5</td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
<td>10.3</td>
<td>75</td>
<td>1.5</td>
<td>0.9</td>
<td>20</td>
<td>25</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PZAT5SI5</td>
<td>575V</td>
<td>3</td>
<td>60Hz</td>
<td>7.1</td>
<td>54</td>
<td>1.72</td>
<td>0.72</td>
<td>15</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></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>S</td>
<td>ZB45KCE</td>
<td>42.0</td>
<td>4.9</td>
<td>4.6</td>
<td>12.0</td>
<td>4.4</td>
<td>9.7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>5.1</td>
<td>4.6</td>
<td>12.3</td>
<td>4.8</td>
<td>10.7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>5.2</td>
<td>4.7</td>
<td>12.5</td>
<td>4.9</td>
<td>10.9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>5.8</td>
<td>4.8</td>
<td>13.2</td>
<td>5.4</td>
<td>10.6</td>
</tr>
</tbody>
</table>

+= Requires the use of glycol.

Product Dimensional Drawing