**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 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)
- 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: PZAT3S**  
Packaged Air-Cooled  
3 Ton Chiller  

**with Stainless Steel Tank**

**Dimensional & Electrical Table**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PZAT3SE5</td>
<td>36</td>
<td>34</td>
<td>68</td>
<td>208/230V 1 60Hz</td>
<td>1 4</td>
<td>21.8</td>
<td>137</td>
<td>3.8</td>
<td>4.2</td>
<td>40</td>
<td>50</td>
<td>20</td>
<td>1” FPT</td>
<td>800</td>
</tr>
<tr>
<td>PZAT3SF5</td>
<td>208/230V 3 60Hz</td>
<td>15.4</td>
<td>114</td>
<td>3.8</td>
<td>4.2</td>
<td>30</td>
<td>40</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PZAT3SH5</td>
<td>460V 3 60Hz</td>
<td>7.1</td>
<td>58</td>
<td>1.5</td>
<td>0.9</td>
<td>15</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PZAT3SI5</td>
<td>575V 3 60Hz</td>
<td>5.2</td>
<td>43</td>
<td>1.72</td>
<td>0.72</td>
<td>15</td>
<td>15</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>3S</td>
<td>ZS29KAE</td>
<td>42.0</td>
<td>3.1</td>
<td>3.4</td>
<td>3.4</td>
<td>3.8</td>
<td>4.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>3.3</td>
<td>3.6</td>
<td>3.6</td>
<td>3.8</td>
<td>4.0</td>
</tr>
<tr>
<td>45.0</td>
<td></td>
<td>3.5</td>
<td>3.7</td>
<td>3.7</td>
<td>3.7</td>
<td>3.9</td>
<td>4.1</td>
</tr>
<tr>
<td>50.0</td>
<td></td>
<td>3.7</td>
<td>3.6</td>
<td>3.6</td>
<td>3.6</td>
<td>3.9</td>
<td>4.1</td>
</tr>
</tbody>
</table>

* = Requires the use of glycol.

**Product Dimensional Drawing**

© Property of Legacy Chiller Systems, Inc.