**Model: PZA7S**

*Packaged Air-Cooled 7 Ton Chiller*

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**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, 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

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**Options:**

- Copeland Digital Scroll Compressor *(Hot Gas Bypass Removed)*
- Remote Idec touchscreen control panel
- Industrial VPN Router
- 5 Port Ethernet Switch
- BacNet Gateway
- STAINLESS STEEL Process Pump
- Process Pump VFD Controller
- VFD Compressor Control *(Hot Gas Bypass Removed)*
- 4 year extended compressor warranty
- Casters (factory mounted)
- 115 volt (rain tight) service outlet
- Non Fused Disconnect
- Phase/voltage monitor
- Compressor fusing
- Compressor Sound Cover
- Flooded cond. w/receiver/head pressure control (0°F)
- Flooded cond. w*Heated* receiver/head pressure control (-20°F)
- Dual process pumps with auto changeover
- Pump suction isolation valve(s)
- 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 changeover panel with filter
- Stainless steel, SCH80 PVC or Polypropylene piping for deionize and reverse osmosis water systems
- Door Mounted HMI with weather proof cover

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*Easy to Use Touch Screen Display on all Legacy Chiller Models*
**PRODUCT DATA SHEET**

**Model: PZA7S**

Packaged Air-Cooled
7 Ton Chiller

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### Dimensional & Electrical Table (Single Circuit)

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Power Compressor</th>
<th>Compressor RLA ea.</th>
<th>LRA ea.</th>
<th>Fan Motor MCA M.O.P</th>
<th>Chiller Fluid Conn.</th>
<th>Weight Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>PZA7SF5</td>
<td>75</td>
<td>34</td>
<td>50</td>
<td>208/230V 3 60Hz</td>
<td>8</td>
<td>28.8</td>
<td>195</td>
<td>1.25&quot; FPT</td>
<td>650</td>
</tr>
<tr>
<td>PZA7SH5</td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
<td>14.7</td>
<td>95</td>
<td>1.5</td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PZA7SIS</td>
<td>575V</td>
<td>3</td>
<td>60Hz</td>
<td>10.8</td>
<td>80</td>
<td>1.72</td>
<td>20</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></td>
<td></td>
<td></td>
<td>TONS</td>
<td>KW</td>
<td>EER</td>
<td>TONS</td>
<td>KW</td>
</tr>
<tr>
<td>7S</td>
<td>ZB58KCE</td>
<td>42.0</td>
<td>7.0</td>
<td>5.9</td>
<td>11.1</td>
<td>6.6</td>
<td>9.8</td>
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<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>7.2</td>
<td>6.0</td>
<td>11.4</td>
<td>6.8</td>
<td>10.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>7.3</td>
<td>6.0</td>
<td>11.6</td>
<td>6.9</td>
<td>10.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>7.9</td>
<td>6.2</td>
<td>12.3</td>
<td>7.6</td>
<td>10.8</td>
</tr>
</tbody>
</table>

1. Capacities on this chart are based on refrigerant R407C. Lower leaving water or low ambient can require the use of a glycol solution or other fluid blends. These solutions affect unit capacities. Please consult the factory on these or other special fluids.
2. KW input is for compressor(s) only.
3. EER = Energy Efficiency Ratio (BTU/watt-hour). Power inputs include compressor (s), condenser fan motor (s) and control power.

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**Product Dimensional Drawing**