## PRODUCT DATA SHEET

**Model:** PZA2.5S  
**Packaged Air-Cooled**  
**2.5 Ton Chiller**

### Standard Features:
- **ETL listed to UL 1995 & 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

### 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
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.

### Dimensional & Electrical Table (Single Circuit)

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Power</th>
<th>Compressor</th>
<th>LWT °F</th>
<th>Voltage</th>
<th>Phase</th>
<th>Freq.</th>
<th>Qty.</th>
<th>HP</th>
<th>RLA ea.</th>
<th>LRA ea.</th>
<th>Fan Motor</th>
<th>MCA</th>
<th>M.O.P</th>
<th>FLA</th>
<th>M.P</th>
<th>Weight Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>PZA2.5SE5</td>
<td>36</td>
<td>34</td>
<td>44</td>
<td></td>
<td>208/230V</td>
<td>1</td>
<td>60Hz</td>
<td>3.5</td>
<td>19.9</td>
<td>104</td>
<td>3.8</td>
<td>30</td>
<td>45</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>295</td>
</tr>
<tr>
<td>PZA2.5SF5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>12.8</td>
<td>93</td>
<td>3.8</td>
<td>20</td>
<td>30</td>
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<td></td>
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<td>261</td>
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<td></td>
<td></td>
<td></td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
<td>5.8</td>
<td>48</td>
<td>1.5</td>
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<td></td>
<td>575V</td>
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<td>60Hz</td>
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<td>194</td>
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### 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>
</tr>
</thead>
<tbody>
<tr>
<td>2.5S</td>
<td>ZS26KAE</td>
<td>42.0</td>
<td>3.0  2.8 10.4</td>
<td>2.8  3.1 9.1</td>
<td>2.7  3.3 8.4</td>
<td>2.7  3.5 7.9</td>
<td>2.6  3.7 7.3</td>
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<td></td>
<td>44.0</td>
<td>3.1  2.8 10.6</td>
<td>2.9  3.2 9.3</td>
<td>2.9  3.4 8.7</td>
<td>2.8  3.5 8.2</td>
<td>2.7  3.7 7.6</td>
</tr>
<tr>
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<td></td>
<td>45.0</td>
<td>3.2  2.9 10.8</td>
<td>3.0  3.2 9.5</td>
<td>2.9  3.4 8.8</td>
<td>2.8  3.5 8.3</td>
<td>2.7  3.7 7.7</td>
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<tr>
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<td></td>
<td>50.0</td>
<td>3.3  2.9 11.4</td>
<td>3.2  3.3 10.0</td>
<td>3.1  3.5 9.3</td>
<td>3.1  3.6 8.8</td>
<td>3.0  3.8 8.2</td>
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