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 Bypass Capacity Control
- 24V control transformer
- Control circuit fusing
- Condenser(s): Coaxial up to PZW22D
- Condenser(s): Shell and Tube PZW26D through PZW52D
- Compressor motor contactor
- Painted - Powder Coated (up to PZW22D), galvanized sheet metal cabinet
- 1/2” insulation on all water and refrigerant lines
- Liquid line drier, sight glass, solenoid, TXV
- Complete refrigerant charge from factory
- Factory Performance Test prior to shipment

Easy to Use Touch Screen Display on all Legacy Chiller Models

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)
- Condenser water regulating valve
- 115 volt (rain tight) service outlet
- Non Fused Disconnect
- Phase Monitor, line voltage monitor offering protection against phase loss/reversal, unbalance and hi/lo voltage
- Compressor fusing
- Compressor Sound Cover
- Factory installed evaporator heat tape freeze protection
- Low flow by-pass valve
- Fused, STAINLESS STEEL process pump
- Dual system pump with manual changeover (some models)
- Dual system pump with auto changeover (some models)
- Pump suction isolation valve
- Water pressure gauge set
- Water Flow Meter
- Auto city water changeover panel with filter
- Stainless steel, SCH80 PVC or Polypropylene piping for deionized and reverse osmosis water systems
- Door Mounted HMI with weather proof cover
Model: **PZW4.5S**  
*Packaged Water-Cooled 4.5 Ton Chiller*

### 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 RLA</th>
<th>RLA ea.</th>
<th>MCA</th>
<th>M.O.P</th>
<th>Chiller Fluid Conn.</th>
<th>Weight Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>PZW4.5SE5</td>
<td>46</td>
<td>34</td>
<td>36</td>
<td>208/230V</td>
<td>1 60Hz</td>
<td>1 5</td>
<td>25.0</td>
<td>129</td>
<td>35</td>
<td>50</td>
</tr>
</tbody>
</table>

### Capacity Table (Refrigerant R407C)

<table>
<thead>
<tr>
<th>Model</th>
<th>Compressor</th>
<th>LWT °F</th>
<th>Condensing 105°F TONS</th>
<th>KW</th>
<th>EER</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.5S</td>
<td>ZB42KCE</td>
<td>42.0</td>
<td>4.46</td>
<td>4.64</td>
<td>12.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>4.63</td>
<td>4.63</td>
<td>12.4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>4.71</td>
<td>4.40</td>
<td>11.6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>5.17</td>
<td>4.61</td>
<td>13.9</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**

[Diagram of PZW4.5SE5 chiller dimensions and views]

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