Model: PZWT22D
Packaged Water-Cooled 22 Ton Chiller

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
- Data Recording Memory Card
- 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
- Compressor motor contactor
- Painted - Powder Coated (Most Models), 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

Tank
- STAINLESS STEEL storage tank with 1/2 inch insulation
- Fused, STAINLESS STEEL re-circulation pump for tank operation with ball valve and cleanable strainer
- Tank pressure relief valve, vent and drain hose bibs

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

Tank Options
- Storage tank sight glass
- Tank low liquid level indicator with dry contacts
**PRODUCT DATA SHEET**

**Model: PZWT22D**  
*Packaged Water-Cooled 22 Ton Chiller*

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**Dimensional & Electrical Table (Dual Circuit)**

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Voltage</th>
<th>Phase</th>
<th>Freq.</th>
<th>HP</th>
<th>RLA ea.</th>
<th>LRA ea.</th>
<th>Recirculation Pump 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>PZWT22DF5</td>
<td>85</td>
<td>34</td>
<td>70</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>2</td>
<td>48.1</td>
<td>300</td>
<td>5.0</td>
<td>125</td>
<td>150</td>
<td>120</td>
<td>2&quot; FPT</td>
<td>1600</td>
</tr>
<tr>
<td>PZWT22DH5</td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
<td>2</td>
<td>13</td>
<td></td>
<td></td>
<td>21.8</td>
<td>150</td>
<td>2.5</td>
<td>60</td>
<td>90</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>PZWT22DI5</td>
<td>575V</td>
<td>3</td>
<td>60Hz</td>
<td>18.6</td>
<td>109</td>
<td>1.8</td>
<td>45</td>
<td>125</td>
<td>150</td>
<td>0.5</td>
<td>60</td>
<td>90</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>105 °F Condensing</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>TONS</td>
</tr>
<tr>
<td>22D</td>
<td>ZB95KCE</td>
<td>*42.0</td>
<td>19.6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*44.0</td>
<td>20.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>21.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>23.5</td>
</tr>
</tbody>
</table>

* = Requires the use of glycol.

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**

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