Model: PZWT7D
Packaged Water-Cooled
7 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
- Condenser(s): Shell and Tube PZW26D through PZW52D
- 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

**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

**Easy to Use**
**Touch Screen Display on all Legacy Chiller Models**
**Product Data Sheet**

**Model: PZWT7D**

*Packaged Water-Cooled 7 Ton Chiller*

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

<table>
<thead>
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**Capacity Table (Refrigerant R407C)**

<table>
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<tr>
<th>Model</th>
<th>Compressor</th>
<th>LWT °F</th>
<th>105°F Condensing</th>
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<tr>
<td>7D</td>
<td>ZS29KAE</td>
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<td>6.1 5.7 14.5</td>
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<td>44.0</td>
<td>6.4 5.7 15.1</td>
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<tr>
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<td>45.0</td>
<td>6.5 5.7 15.4</td>
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<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>7.2 5.6 17.3</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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