**Model:** PZWT1.5S  
**Packaged Water-Cooled  
1.5 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  
- 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  
- 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  
- Tank City Water Makeup  
- 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**

© Property of Legacy Chillers, Inc.
PRODUCT DATA SHEET

**Model: PZWT1.5S**

*Packaged Water-Cooled 1.5 Ton Chiller*

---

### Dimensional & Electrical Table (Single Circuit)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PZWT1.5SE5</td>
<td>36</td>
<td>34</td>
<td>65</td>
<td>208/230V</td>
<td>1</td>
<td>60Hz</td>
<td>13.5</td>
<td>68</td>
<td>4.2</td>
<td>25</td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td>PZWT1.5SF5</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>8.0</td>
<td>58</td>
<td>4.2</td>
<td>15</td>
<td>20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PZWT1.5SH5</td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
<td>4.2</td>
<td>29</td>
<td>0.9</td>
<td>15</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PZWT1.5SI5</td>
<td>575V</td>
<td>3</td>
<td>60Hz</td>
<td>3.1</td>
<td>24</td>
<td>0.72</td>
<td>15</td>
<td>15</td>
<td></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>
</tr>
</thead>
<tbody>
<tr>
<td>1.5S</td>
<td>ZS15KAE</td>
<td>*42.0</td>
<td>1.61 1.73 12.7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*44.0</td>
<td>1.68 1.72 13.3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>1.72 1.72 13.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>1.90 1.69 15.2</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.

---

**Product Dimensional Drawing**

---

© Property of Legacy Chillers, Inc.