**STANDARD ON ALL LEGACY CHILLER MODELS:**
- Pentra Microsmart, Programmable Logic Controller (PLC) with HMI Touch Screen Display.
- STAINLESS STEEL Tank
- Fused, STAINLESS STEEL recirculation pump for tank
- 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
- Tank Sight Glass
- 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 make up solenoid & auto level switch
- Auto city water changeover panel with filter
- Door Mounted HMI with weather proof cover

**PRODUCT DATA SHEET**

**Model:** PZAT2S  
**Packaged Air-Cooled 2 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 Tank
- Fused, STAINLESS STEEL recirculation pump for tank
- 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

**Easy to Use  
Touch Screen Display**

on all Legacy Chiller Models
### Product Data Sheet

**Model: PZAT2S**

**Packaged Air-Cooled 2 Ton Chiller**

**with Stainless Steel Tank**

### Dimensional & Electrical Table

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Power</th>
<th>Compressor</th>
<th>LWT</th>
<th>Fluid Conn.</th>
<th>Weight Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>PZAT2SE5</td>
<td>36</td>
<td>34</td>
<td>68</td>
<td>208/230V 1 60Hz</td>
<td>14.1</td>
<td>75</td>
<td>3.8</td>
<td>650</td>
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<tr>
<td>PZAT2SF5</td>
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<td></td>
<td></td>
<td>208/230V 3 60Hz</td>
<td>9.9</td>
<td>73</td>
<td>3.8</td>
<td>650</td>
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<tr>
<td>PZAT2SH5</td>
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<td></td>
<td></td>
<td>460V 3 60Hz</td>
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<td>38</td>
<td>1.5</td>
<td>650</td>
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<tr>
<td>PZAT2SI5</td>
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<td></td>
<td></td>
<td>575V 3 60Hz</td>
<td>3.8</td>
<td>28</td>
<td>1.72</td>
<td>650</td>
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</tbody>
</table>

### Capacity Table (Refrigerant R407C)

<table>
<thead>
<tr>
<th>Model</th>
<th>Compressor</th>
<th>LWT °F</th>
<th>90°F</th>
<th>95°F</th>
<th>100°F</th>
<th>105°F</th>
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</thead>
<tbody>
<tr>
<td>ZS</td>
<td>ZS19KAE</td>
<td>-42.0</td>
<td>1.9</td>
<td>9.7</td>
<td>1.8</td>
<td>8.6</td>
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<td></td>
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<td>-44.0</td>
<td>2.0</td>
<td>10.0</td>
<td>1.9</td>
<td>8.9</td>
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<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>2.0</td>
<td>1.9</td>
<td>1.9</td>
<td>9.1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>2.2</td>
<td>1.9</td>
<td>2.1</td>
<td>9.7</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**

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