Easy to Use
Touch Screen Display
on all Legacy Chiller Models

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
- 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
- Extended warranty: See your quote or latest IOM booklet revision

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)
- 115 volt (rain tight) service outlet
- Non Fused Disconnect
- Phase Monitor, line voltage monitor offering protection against phase loss/reversal, unbalance and High/Low voltage
- Compressor fusing
- Compressor Sound Cover
- Flooded cond. w/receiver/head pressure control (0°F)
- Heated, flooded cond. w/receiver/head pressure water flow meter control (-20°F)
- Dual process pump with auto changeover
- Pump suction isolation valve
- 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
- Stainless steel, SCH80 PVC or Polypropylene piping for deionize and reverse osmosis water systems
- Storage tank sight glass
- Door Mounted HMI with weather proof cover
**PRODUCT DATA SHEET**

**Model: PZAT4.5S**

Packaged Air-Cooled

4.5 Ton Chiller

**with Stainless Steel Tank**

### Dimensional & Electrical Table (Single 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>RLA</th>
<th>LRA</th>
<th>Fan Motor</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</th>
<th>Pounds</th>
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</thead>
<tbody>
<tr>
<td>PZAT4.5SES</td>
<td>46</td>
<td>34</td>
<td>74</td>
<td>208/230V</td>
<td>1</td>
<td>60Hz</td>
<td>1</td>
<td>5</td>
<td>129</td>
<td>4.2</td>
<td>40</td>
<td>60</td>
<td>50</td>
<td>1&quot; FPT</td>
<td>875</td>
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</table>

### Capacity Table (Refrigerant R407C)

<table>
<thead>
<tr>
<th>Model</th>
<th>Compressor</th>
<th>LWT °F</th>
<th>80°F</th>
<th>90°F</th>
<th>95°F</th>
<th>100°F</th>
<th>105°F</th>
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</thead>
<tbody>
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<td></td>
<td></td>
<td>80°F</td>
<td>90°F</td>
<td>95°F</td>
<td>100°F</td>
<td>105°F</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>TONS</td>
<td>KW</td>
<td>EER</td>
<td>TONS</td>
<td>KW</td>
<td>EER</td>
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<tr>
<td>4.5S</td>
<td>ZB42KCE</td>
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<td>4.2</td>
<td>4.3</td>
<td>11.2</td>
<td>4.0</td>
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<td>4.4</td>
<td>4.4</td>
<td>11.5</td>
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<td>4.3</td>
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<td>ZB42KCE</td>
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<td>12.3</td>
<td>4.7</td>
<td>5.1</td>
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</tbody>
</table>

* = Requires the use of glycol.

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**Product Dimensional Drawing**

![Product Dimensional Drawing](image)

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