Easy to Use
Touch Screen Display
on all Legacy Chiller Models

PRODUCT DATA SHEET

Model: PZW22D
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
• 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 (up to PZW22D), 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

Options:
• 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
• Pump suction isolation valve
• Water pressure gauge set
• Water Flow Meter
• Auto city water changeover panel with filter
• Door Mounted HMI with weather proof cover

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Dimensional & Electrical Table (Dual Circuit)

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length Inches</th>
<th>Width Inches</th>
<th>Height Inches</th>
<th>Voltage</th>
<th>Phase</th>
<th>Freq.</th>
<th>Compressor</th>
<th>RLA ea.</th>
<th>LRA ea.</th>
<th>MCA</th>
<th>M.O.P</th>
<th>Fluid Conn.</th>
<th>Weight Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>PZW22DF5</td>
<td>75</td>
<td>34</td>
<td>37</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>ZB95KCE</td>
<td>49.4</td>
<td>300</td>
<td>125</td>
<td>150</td>
<td>1.5&quot; FPT</td>
<td>1000</td>
</tr>
<tr>
<td>PZW22DH5</td>
<td></td>
<td></td>
<td></td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
<td></td>
<td>23.1</td>
<td>150</td>
<td>60</td>
<td>70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PZW22DI5</td>
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<td></td>
<td></td>
<td>575V</td>
<td>3</td>
<td>60Hz</td>
<td></td>
<td>19.2</td>
<td>109</td>
<td>45</td>
<td>60</td>
<td></td>
<td></td>
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</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>22D</td>
<td>ZB95KCE</td>
<td></td>
<td>TONS  KW  EER</td>
</tr>
<tr>
<td></td>
<td></td>
<td>42.0</td>
<td>21.8  20.2  13.3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>22.8  20.3  13.8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>23.3  20.3  14.1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>25.9  20.6  15.5</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.

Product Dimensional Drawing