**Model: PZA18D**

**Packaged Air-Cooled 18 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 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 factor
- Factory Performance Test prior to shipment

---

**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 on primary compressor
- 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 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 changeover panel with filter
- Door Mounted HMI with weather proof cover
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.

---

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

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Power</th>
<th>Compressor</th>
<th>Fan Motor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inches</td>
<td>Inches</td>
<td>Inches</td>
<td>Voltage</td>
<td>Phase</td>
<td>Freq.</td>
</tr>
<tr>
<td>PZA18DF6</td>
<td>85</td>
<td>40</td>
<td>50</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
</tr>
<tr>
<td>PZA18DH5</td>
<td></td>
<td></td>
<td></td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
</tr>
<tr>
<td>PZA18DI5</td>
<td></td>
<td></td>
<td></td>
<td>575V</td>
<td>3</td>
<td>60Hz</td>
</tr>
</tbody>
</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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>TONS</td>
<td>KW</td>
<td>EER</td>
<td>TONS</td>
<td>KW</td>
</tr>
<tr>
<td>18D</td>
<td>ZB76KCE</td>
<td>42.0</td>
<td>17.9</td>
<td>16.8</td>
<td>11.7</td>
<td>16.9</td>
<td>19.4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>18.5</td>
<td>17.0</td>
<td>12.0</td>
<td>17.7</td>
<td>19.6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>18.9</td>
<td>17.1</td>
<td>12.1</td>
<td>18.1</td>
<td>18.8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>20.3</td>
<td>17.6</td>
<td>12.8</td>
<td>19.5</td>
<td>19.3</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**

© Property of Legacy Chillers, Inc.