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
- 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
- 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 changeover panel with filter
- Door Mounted HMI with weather proof cover

Easy to Use
Touch Screen Display
on all Legacy Chiller Models

© Property of Legacy Chillers, Inc.
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 Inches</th>
<th>Width Inches</th>
<th>Height Inches</th>
<th>Power</th>
<th>Compressor</th>
<th>RLA ea.</th>
<th>LRA ea.</th>
<th>Fan Motor Qty.</th>
<th>FLA.</th>
<th>M.O.P</th>
<th>Chiller Fluid Conn.</th>
<th>Weight Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>PZA52DF5</td>
<td>176.5</td>
<td>88</td>
<td>55</td>
<td>208/230V, 3 phase, 60Hz</td>
<td>109</td>
<td>599</td>
<td>7</td>
<td>300</td>
<td>350</td>
<td>3' FPT</td>
<td>5200</td>
<td></td>
</tr>
<tr>
<td>PZA52DH5</td>
<td>460V-3 phase, 60Hz</td>
<td>53.2</td>
<td>310</td>
<td>4</td>
<td>150</td>
<td>175</td>
<td>2.8</td>
<td>110</td>
<td>125</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PZA52DI5</td>
<td>575V-3 phase, 60Hz</td>
<td>42.3</td>
<td>239</td>
<td>4</td>
<td>150</td>
<td>175</td>
<td>2.8</td>
<td>110</td>
<td>125</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>80°F</th>
<th>90°F</th>
<th>95°F</th>
<th>100°F</th>
<th>105°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>52D</td>
<td>ZR380KCE</td>
<td>20.0</td>
<td>30.8</td>
<td>44.0</td>
<td>9.3</td>
<td>28.3</td>
<td>49.6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>25.0</td>
<td>35.3</td>
<td>44.4</td>
<td>10.4</td>
<td>32.5</td>
<td>49.8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30.0</td>
<td>40.2</td>
<td>45.0</td>
<td>11.5</td>
<td>37.2</td>
<td>50.4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>35.0</td>
<td>45.3</td>
<td>45.6</td>
<td>12.7</td>
<td>41.2</td>
<td>50.8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>40.0</td>
<td>53.3</td>
<td>48.4</td>
<td>11.9</td>
<td>49.8</td>
<td>53.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>42.0</td>
<td>57.7</td>
<td>50.1</td>
<td>12.1</td>
<td>52.1</td>
<td>54.1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>63.3</td>
<td>50.5</td>
<td>12.9</td>
<td>59.3</td>
<td>55.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>63.3</td>
<td>50.5</td>
<td>12.9</td>
<td>59.3</td>
<td>55.5</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.

---

© Property of Legacy Chillers, Inc.