STANDARD ON ALL LEGACY CHILLER MODELS:

- Pentra Microsmart, Programmable Logic Controller (PLC) with HMI Touch Screen Display.
  (Located inside front electrical cabinet)

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
- **Data Recording Memory Card**
- **STAINLESS STEEL**, brazed plate evaporator
- **SEMI-HEMETIC** compressor with crankcase heater and vibration spring mounting kit
- Compressor discharge and suction pipe vibration eliminators
- **Suction Accumulator**
- Liquid sight-glass, solenoid, TXV and replaceable core drier
- **Water flow switch**
- **24V control transformer**
- Fan cycle control (+40°F)
- Direct drive condenser fan motor
- Rust resistant, high CFM, aluminum condenser fan blade
- Condenser(s): copper tube/aluminum fin, Floating Tube™
- **5 year condenser warranty against tube sheet leaks**
- Compressor motor contactor
- Individual condenser motor contactors and fusing
- Condenser control panel with factory mounted door interrupt disconnect switch
- Galvanized steel sheet metal cabinet
- 1/2 inch insulation on all water and refrigerant lines
- Operating Refrigerant charge from factory
- **Factory Performance Test prior to shipment**
- **Easy to Use Touch Screen Display on all Legacy Chiller Models**

Options:

- **Compressor Cylinder Unloading**
- Remote Idec touchscreen control panel
- Industrial VPN Router
- 5 Port Ethernet Switch
- BacNet Gateway
- **Process Pump VFD Controller**
- 4 year extended compressor warranty
- 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
- Flooded cond. w/receiver/head pressure control (0°F)
- Heated, flooded cond. w/receiver/head pressure control (-20°F)
- Factory installed evaporator heat tape freeze protection
- Fused, STAINLESS STEEL process pump
- Dual process pump with manual changeover
- Dual process pump with auto changeover
- Pump suction isolation valve
- Water pressure gauge set
- Water Flow Meter
- Copper finned condenser coil (coastal protection)
- BohnGuard™ coated condenser coil (coastal protection)
- Epoxy or Phenolic coated fins (coastal protection)
- Door Mounted HMI with weather proof cover

© Property of Legacy Chillers, Inc.
PRODUCT DATA SHEET

Model: PSA88D
Packaged Air-Cooled
88 Ton Chiller

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>RLA ea.</th>
<th>LRA ea.</th>
<th>Fan Motor MCA M.O.P</th>
<th>Chiller Fluid Conn.</th>
<th>Weight Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSA88DF5</td>
<td>230</td>
<td>88</td>
<td>57</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>2</td>
<td>60</td>
<td>7</td>
<td>500</td>
<td>600</td>
</tr>
<tr>
<td>PSA88DH5</td>
<td></td>
<td></td>
<td></td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
<td>100.6</td>
<td>535</td>
<td>6</td>
<td>250</td>
<td>300</td>
</tr>
<tr>
<td>PSA88DI5</td>
<td></td>
<td></td>
<td></td>
<td>575V</td>
<td>3</td>
<td>60Hz</td>
<td>71.8</td>
<td>405</td>
<td>6</td>
<td>200</td>
<td>250</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>88D</td>
<td>8DS3R67M</td>
<td>42.0</td>
<td>94.3</td>
<td>100.0</td>
<td>9.9</td>
<td>88.2</td>
<td>107.4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>98.2</td>
<td>101.0</td>
<td>10.2</td>
<td>92.0</td>
<td>109.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>100.3</td>
<td>101.6</td>
<td>10.3</td>
<td>93.8</td>
<td>109.6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>100.5</td>
<td>104.0</td>
<td>11.1</td>
<td>95.7</td>
<td>113.0</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