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**

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

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**PRODUCT DATA SHEET**

**Model: PSA37D**

*Packaged Air-Cooled 37 Ton Chiller*

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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>Power</th>
<th>Compressor</th>
<th>RLA ea.</th>
<th>LRA ea.</th>
<th>Fan Motor</th>
<th>MCA</th>
<th>M.O.P</th>
<th>Weight Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSA37DF5</td>
<td>176.5</td>
<td>88</td>
<td>55</td>
<td>208/230V</td>
<td>3 60Hz</td>
<td>20</td>
<td>96.2</td>
<td>428</td>
<td>7</td>
<td>250</td>
<td>300</td>
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<tr>
<td>PSA37DH5</td>
<td></td>
<td></td>
<td></td>
<td>460V</td>
<td>3 60Hz</td>
<td>20</td>
<td>48.1</td>
<td>214</td>
<td>3.5</td>
<td>125</td>
<td>150</td>
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<tr>
<td>PSA37DI5</td>
<td></td>
<td></td>
<td></td>
<td>575V</td>
<td>3 60Hz</td>
<td>20</td>
<td>34.8</td>
<td>172</td>
<td>2.8</td>
<td>90</td>
<td>110</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>37D</td>
<td>4DHNR22ME</td>
<td>42.0</td>
<td>41.0</td>
<td>37.5</td>
<td>10.6</td>
<td>36.8</td>
<td>40.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>43.2</td>
<td>38.0</td>
<td>11.0</td>
<td>38.7</td>
<td>40.8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>44.2</td>
<td>38.3</td>
<td>11.2</td>
<td>39.5</td>
<td>41.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>50.2</td>
<td>40.8</td>
<td>12.3</td>
<td>44.7</td>
<td>42.6</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. 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.

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**Product Dimensional Drawing**

![Drawing Image]

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