**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

**PRODUCT DATA SHEET**

**Model:** PSA19D  
**Packaged Air-Cooled**  
**19 Ton Chiller**

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**PRODUCT DATA SHEET**

**Model: PSA19D**

*Packaged Air-Cooled 19 Ton Chiller*

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**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>LWT</th>
<th>80°F TONS</th>
<th>80°F KW</th>
<th>80°F EER</th>
<th>90°F TONS</th>
<th>90°F KW</th>
<th>90°F EER</th>
<th>95°F TONS</th>
<th>95°F KW</th>
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<td>60Hz</td>
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<td>7</td>
<td>110</td>
<td>125</td>
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<td>PSA19DH5</td>
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<td>3</td>
<td>60Hz</td>
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<td>106</td>
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<td>60</td>
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**Capacity Table (Refrigerant R407C)**

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<th>Model</th>
<th>Compressor</th>
<th>LWT °F</th>
<th>80°F TONS</th>
<th>80°F KW</th>
<th>80°F EER</th>
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<th>90°F KW</th>
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<td>24.2</td>
<td>8.5</td>
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</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.

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**Product Dimensional Drawing**