STANDARD ON ALL LEGACY CHILLER MODELS:
Penta 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

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: PSA55D
Packaged Air-Cooled
55 Ton Chiller

Dimensional & Electrical Table (Dual Circuit)

| Chiller Models | Length Inches | Width Inches | Height Inches | Power Compressor RLA ea. LRA ea. Fan Motor Qty. FLA. Chiller Fluid Conn. Weight Pounds |
|---------------|---------------|--------------|--------------|-------------------------------------------------|--------------------------------------|
| PSA55DN5      | 230           | 88           | 57           | 200/230V 3  60Hz  155.1  650  2  30  6  7  400  500  3' FPT  6000 |
| PSA55DP5      |               |              |              | 230V 3  60Hz  141.7  594  6  3.5  200  250 |
| PSA55DH5      |               |              |              | 460V 3  60Hz  70.8  297  2.8  150  175 |
| PSA55DI5      |               |              |              | 575V 3  60Hz  51.6  245 |

Capacity Table (Refrigerant R407C)

<table>
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<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>
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<td>6DGMR37ME</td>
<td>42.0</td>
<td>59.7</td>
<td>60.4</td>
<td>9.8</td>
<td>54.5</td>
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<td>62.2</td>
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<td>64.4</td>
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<td>50.0</td>
<td>70.0</td>
<td>61.0</td>
<td>11.3</td>
<td>65.3</td>
<td>66.4</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