It’s All about Building a Better Product for Our Clients!

J&M FLUIDICS, INC. – PRODUCT DATA SHEET

Model: PZAT22D Packaged Air-Cooled 22 Ton Chiller

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 Tank
- Fused, STAINLESS STEEL recirculation pump for tank
- 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
- Painted (Powder Coated), galvanized sheet metal cabinet
- 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
- Tank Sight Glass
- 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 make up solenoid & auto level switch
- Auto city water changeover panel with filter
- Door Mounted HMI with weather proof cover

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**Model: PZAT22D**

Packaged Air-Cooled 22 Ton Chiller

*with Stainless Steel Tank*

### Product Dimensional Drawing

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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>RLA</th>
<th>LMA</th>
<th>Fan Motor</th>
<th>Recirculation Pump FLA</th>
<th>MCA</th>
<th>M.O.P</th>
<th>Reservoir Gal.</th>
<th>Chiller Fluid Conn.</th>
<th>Weight Pounds</th>
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<tbody>
<tr>
<td>PZAT22DFS</td>
<td>75</td>
<td>66</td>
<td>76</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>2</td>
<td>13</td>
<td>49.4</td>
<td>300</td>
<td>3.8</td>
<td>3.5</td>
<td>150</td>
<td>175</td>
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<tr>
<td>PZAT22DH5</td>
<td>460</td>
<td>3</td>
<td>60Hz</td>
<td>23.1</td>
<td>150</td>
<td>4</td>
<td>1.5</td>
<td>1.7</td>
<td>120</td>
<td>50.0</td>
<td>1.0</td>
<td>60</td>
<td>70</td>
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<tr>
<td>PZAT22DI5</td>
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<td>60Hz</td>
<td>19.2</td>
<td>109</td>
<td>4</td>
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<td>70</td>
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*Changes or Modifications Subject to Factory Discretion.*

### Capacity Table (Refrigerant R407C)

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<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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<tr>
<td></td>
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<td>TONS</td>
<td>KW</td>
<td>EER</td>
<td>TONS</td>
<td>KW</td>
<td>EER</td>
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*Requires the use of glycol.*

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