Model: IEZAT2.5S
Split-System Air-Cooled
2.5 Ton Chiller

with Stainless Steel Tank
STANDARD ON ALL LEGACY CHILLER MODELS:
Pentra Microsmart, Programmable Logic Controller (PLC) with HMI Touch Screen Display.

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, brazed plate evaporator
- Scroll compressor with crankcase heater
- Suction Accumulator
- Water flow switch
- Hot Gas Bypass Capacity Control
- 24V control transformer
- Control circuit fusing
- Compressor motor contactor
- Painted - Powder Coated (Most Models), galvanized sheet metal cabinet
- 1/2” insulation on all water and refrigerant lines
- Liquid line drier, sight glass, solenoid, TXV
- Complete refrigerant charge from factory
- Factory Performance Test prior to shipment
- Tank
  - STAINLESS STEEL storage tank with 1/2 inch insulation
  - Fused, STAINLESS STEEL re-circulation pump for tank operation with ball valve and cleanable strainer
  - Tank pressure relief valve, vent and drain hose bibs

Options:
- Remote Idec touchscreen control panel
- Industrial VPN Router
- 5 Port Ethernet Switch
- BacNet Gateway
- Process Pump VFD Controller
- VFD Compressor Control on primary compressor
- 4 year extended compressor warranty
- Condenser water regulating valve
- 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
- Factory installed evaporator heat tape freeze protection
- Low flow by-pass valve
- Fused, STAINLESS STEEL process pump
- Dual system pump with manual changeover (some models)
- Dual system pump with auto changeover (some models)
- Pump suction isolation valve
- Water pressure gauge set
- Water Flow Meter
- Auto city water changeover panel with filter
- Stainless steel, SCH80 PVC or Polypropylene piping for deionized and reverse osmosis water systems
- Door Mounted HMI with weather proof cover

Tank Options
- Storage tank sight glass
- Tank low liquid level indicator with dry contacts
- Auto Tank Fill
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.

Dimensional & Electrical Table (Single 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 LRA RLA</th>
<th>Fan Motor RLA</th>
<th>Recirculation Pump FLA</th>
<th>M.O.P</th>
<th>Reservoir Gal.</th>
<th>Chiller Fluid Conn.</th>
<th>Weight LBS.</th>
<th>Condenser Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEZAT2.5SE5</td>
<td>36</td>
<td>34</td>
<td>65</td>
<td>1</td>
<td>19.9</td>
<td>104</td>
<td>3.8</td>
<td>4.2</td>
<td>35</td>
<td>50</td>
<td>20</td>
<td>1&quot; FPT</td>
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<tr>
<td>IEZAT2.5SF5</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>1</td>
<td>12.8</td>
<td>93</td>
<td>3.8</td>
<td>4.2</td>
<td>25</td>
<td>35</td>
<td>15</td>
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<tr>
<td>IEZAT2.5SH5</td>
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<td>60Hz</td>
<td>1</td>
<td>5.8</td>
<td>48</td>
<td>1.5</td>
<td>0.9</td>
<td>15</td>
<td>15</td>
<td>5</td>
<td></td>
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<tr>
<td>IEZAT2.5SI5</td>
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<td>60Hz</td>
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<td>0.72</td>
<td>15</td>
<td>15</td>
<td>5</td>
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</table>

* = Requires the use of glycol.

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>
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<tbody>
<tr>
<td>2.5S</td>
<td>ZS26KAE</td>
<td>42.0</td>
<td>2.8</td>
<td>10.4</td>
<td>2.6</td>
<td>3.1</td>
<td>9.1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>2.9</td>
<td>10.6</td>
<td>2.7</td>
<td>3.2</td>
<td>9.3</td>
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<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>3.0</td>
<td>10.8</td>
<td>2.8</td>
<td>3.2</td>
<td>9.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>3.3</td>
<td>11.4</td>
<td>3.1</td>
<td>3.3</td>
<td>10.0</td>
</tr>
</tbody>
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Product Dimensional Drawing