**Model: IEZAT4.5S**  
Split-System, Air-Cooled 4.5 Ton Chiller

**with Stainless Steel Tank**

**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

© Property of J&M Fluidics, Inc.
Model: **IEZAT4.5S**  
Split-System, Air-Cooled 4.5 Ton Chiller

Product Dimensional Drawing  
© Property of J&M Fluidics, Inc.

Dimensional & Electrical Table (Single Circuit)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>IEZAT4.5SE5</td>
<td>46</td>
<td>34</td>
<td>69</td>
<td>208/230V</td>
<td>1</td>
<td>60Hz</td>
<td>1</td>
<td>5</td>
<td>25.0</td>
<td>129</td>
<td>3.8</td>
<td>4.2</td>
<td>40</td>
<td>60</td>
<td>50</td>
<td>1°F FPT</td>
<td>875</td>
<td>OC4.5S</td>
<td></td>
<td></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>4.5S</td>
<td>ZB42KCE</td>
<td></td>
<td>TONS</td>
<td>KW</td>
<td>EER</td>
<td>TONS</td>
<td>KW</td>
</tr>
<tr>
<td>42.0</td>
<td></td>
<td>4.2</td>
<td>4.3</td>
<td>11.2</td>
<td>4.0</td>
<td>4.8</td>
<td>9.7</td>
</tr>
<tr>
<td>44.0</td>
<td></td>
<td>4.4</td>
<td>4.4</td>
<td>11.5</td>
<td>4.2</td>
<td>4.9</td>
<td>10.0</td>
</tr>
<tr>
<td>45.0</td>
<td></td>
<td>4.5</td>
<td>4.4</td>
<td>11.6</td>
<td>4.3</td>
<td>4.9</td>
<td>10.1</td>
</tr>
<tr>
<td>50.0</td>
<td></td>
<td>5.0</td>
<td>4.6</td>
<td>12.3</td>
<td>4.7</td>
<td>5.1</td>
<td>10.7</td>
</tr>
</tbody>
</table>

* = Requires the use of glycol.