**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 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**

**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:**

- **Copeland Digital Scroll Compressor**
- **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**
- **Casters** (factory mounted)
- **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**
- **Door Mounted HMI with weather proof cover**

**Tank Options**

- **Storage tank sight glass**
- **Tank low liquid level indicator with dry contacts**
- **Auto Tank Fill**
PRODUCT DATA SHEET

Model: IEZAT13D
Split-System Air-Cooled
13 Ton Chiller

Dimensional & Electrical Table (Dual Circuit)

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length Inches</th>
<th>Width Inches</th>
<th>Height Inches</th>
<th>Voltage Phase</th>
<th>Compressor RLA ea.</th>
<th>LRA ea.</th>
<th>Fan Motor Recirculation Pump FLA MCA M.O.P</th>
<th>Reservoir Gal.</th>
<th>Weight Pounds</th>
<th>Condenser Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEZAT13DF5</td>
<td>75</td>
<td>34</td>
<td>70</td>
<td>208/230V 3 60Hz</td>
<td>28.8 195</td>
<td>3.8</td>
<td>3.5</td>
<td>80 100</td>
<td>1700</td>
<td>OC13D</td>
</tr>
<tr>
<td>IEZAT13DH5</td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
<td>14.7 95</td>
<td>2.5</td>
<td>1.5</td>
<td>1.7</td>
<td>40 50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IEZAT13DI5</td>
<td>575V</td>
<td>3</td>
<td>60Hz</td>
<td>10.8 80</td>
<td>1.72</td>
<td>1.0</td>
<td>35</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</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>
<th>110° F</th>
<th>115° F</th>
<th>120° F</th>
</tr>
</thead>
<tbody>
<tr>
<td>13D</td>
<td>ZB59KCE</td>
<td>42.0</td>
<td>12.0</td>
<td>11.8</td>
<td>12.5</td>
<td>11.7</td>
<td>13.1</td>
<td>10.8</td>
<td>11.3</td>
<td>13.8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>12.6</td>
<td>11.9</td>
<td>12.8</td>
<td>12.2</td>
<td>13.2</td>
<td>11.2</td>
<td>11.8</td>
<td>13.9</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

© Property of Legacy Chillers, Inc.