### 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 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**
- **Extended warranty:** See your quote or latest IOM booklet revision

### 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**
### Model: IEZAT18D

**Split-System Air-Cooled 18 Ton Chiller**

#### Dimensional & Electrical Table (Dual 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>
</tr>
</thead>
<tbody>
<tr>
<td>IEZAT18DF5</td>
<td>85</td>
<td>34</td>
<td>70</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>10</td>
<td>37.2</td>
<td>239</td>
<td>3.8</td>
<td>3.5</td>
<td>100</td>
<td>125</td>
<td>1900</td>
<td>0C18D</td>
</tr>
<tr>
<td>IEZAT18DH5</td>
<td>85</td>
<td>34</td>
<td>70</td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
<td>2</td>
<td>17.2</td>
<td>125</td>
<td>1.5</td>
<td>1.7</td>
<td>45</td>
<td>60</td>
<td>1900</td>
<td>0C18D</td>
</tr>
<tr>
<td>IEZAT18DI5</td>
<td>575V</td>
<td>3</td>
<td>60Hz</td>
<td>12.4</td>
<td>80</td>
<td></td>
<td>2</td>
<td>1.72</td>
<td>35</td>
<td>1.0</td>
<td>1.0</td>
<td>35</td>
<td>40</td>
<td>1900</td>
<td>0C18D</td>
</tr>
</tbody>
</table>

---

### Capacity Table (Refrigerant R407C)

<table>
<thead>
<tr>
<th>Model</th>
<th>Compressor</th>
<th>LWT °F</th>
<th>80°F TONS KW EER</th>
<th>90°F TONS KW EER</th>
<th>95°F TONS KW EER</th>
<th>100°F TONS KW EER</th>
<th>105°F TONS KW EER</th>
</tr>
</thead>
<tbody>
<tr>
<td>18D</td>
<td>ZB76KCE</td>
<td>42.0</td>
<td>15.9 16.8 11.7</td>
<td>15.5 18.5 10.3</td>
<td>15.1 19.4 9.7</td>
<td>14.6 20.3 9.0</td>
<td>14.1 21.4 8.4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>16.7 17.0 12.0</td>
<td>16.2 18.7 10.5</td>
<td>15.7 19.6 9.8</td>
<td>15.2 20.6 9.2</td>
<td>14.8 21.6 8.8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>17.0 17.1 12.1</td>
<td>16.6 18.8 10.7</td>
<td>16.1 19.7 10.0</td>
<td>15.8 20.7 9.4</td>
<td>15.1 21.7 8.7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>18.9 17.6 12.8</td>
<td>18.4 19.3 11.3</td>
<td>17.9 20.3 10.4</td>
<td>17.4 21.2 9.9</td>
<td>16.8 22.2 9.2</td>
</tr>
</tbody>
</table>

* = Requires the use of glycol.

---

### Product Dimensional Drawing