**Model:** IEZA52D  
Split-System, Air-Cooled 52 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, 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:
- **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 High/Low voltage**
- **Compressor fusing**
- **Compressor Sound Cover**
- **Flooded cond. w/receiver/head pressure control (0°F)**
- **Heated, flooded cond. w/receiver/head pressure Water flow meter control (-20°F)**
- **Pump suction isolation valve**
- **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**
- **Stainless steel, SCH80 PVC or Polypropylene piping for deionize and reverse osmosis water systems**
- **Door Mounted HMI with weather proof cover**

*Includes (Model OC52D) Outdoor Condenser*
It’s All about Building a Better Product for Our Clients!

**Model: IEZA52D**

Split-System, Air-Cooled 52 Ton Chiller

**Product Dimensional Drawing**

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**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</th>
<th>Phase</th>
<th>Freq.</th>
<th>RLA ea.</th>
<th>LRA ea.</th>
<th>Fan Motor Qty.</th>
<th>Fan Motor FLA.</th>
<th>Chiller Fluid Conn.</th>
<th>Weight LBS.</th>
<th>Condenser Selection</th>
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<tbody>
<tr>
<td>IEZA52DF5</td>
<td>85</td>
<td>34</td>
<td>42</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>109</td>
<td>599</td>
<td>7</td>
<td>300</td>
<td>350</td>
<td>1700</td>
<td>OC52D</td>
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<tr>
<td>IEZA52DH5</td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
<td>2</td>
<td>30</td>
<td>53.2</td>
<td>310</td>
<td>4</td>
<td>150</td>
<td>175</td>
<td>2.5&quot; FPT</td>
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<td></td>
</tr>
<tr>
<td>IEZA52DI5</td>
<td>575V</td>
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<td>60Hz</td>
<td>2.5&quot;</td>
<td>239</td>
<td>2.8</td>
<td>110</td>
<td>125</td>
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**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>52D</td>
<td>ZR380KCE</td>
<td>42.0</td>
<td>52.4</td>
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<td>57.3</td>
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<td>54.6</td>
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