**Standard Features:**

- ETL listed to UL 1995 & 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
- Extended warranty: See your quote or latest IOM booker revision

**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 fiined 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
**Product Data Sheet**

**Model: IEZA52D**  
Split-System Air-Cooled  
52 Ton Chiller

**Dimensional & Electrical Table (Dual Circuit)**

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Compressor</th>
<th>Fan Motor</th>
<th>MCA</th>
<th>M.O.P</th>
<th>Chiller Fluid Conn.</th>
<th>Weight LBS.</th>
<th>Condenser Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEZA52DF5</td>
<td>85</td>
<td>34</td>
<td>42</td>
<td>208/230V</td>
<td>60Hz</td>
<td>109</td>
<td>599</td>
<td>7</td>
<td>300</td>
<td>350</td>
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<tr>
<td>IEZA52DH5</td>
<td>460V</td>
<td>3</td>
<td>30</td>
<td>30</td>
<td>3.5</td>
<td>150</td>
<td>175</td>
<td>2.5&quot; MPT</td>
<td>1700</td>
<td>BNH434</td>
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<tr>
<td>IEZA52DI5</td>
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<td>239</td>
<td>2.8</td>
<td>110</td>
<td>125</td>
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</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>
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<tbody>
<tr>
<td>52D</td>
<td>ZR380KCE</td>
<td>42.0</td>
<td>52.4</td>
<td>48.4</td>
<td>49.8</td>
<td>53.2</td>
<td>10.1</td>
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<td>54.1</td>
<td>51.7</td>
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<td>52.5</td>
<td>55.2</td>
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<td>10.4</td>
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<td>60.0</td>
<td>57.3</td>
<td>57.3</td>
<td>56.0</td>
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<td>11.0</td>
</tr>
</tbody>
</table>

**Product Dimensional Drawing**

[Diagram of the chiller system with dimensions and labels for each part of the system.]