Standard Features:

- **ETL listed** to UL1995 & CAN/CSA C22.2 No. 236-11, 4th edition, 10/14/2011
- **Single point power connection**
- Idec microprocessor controller with easy to use 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

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**Product Data Sheet**

**Model:** IEZA43D

**Split-System Air-Cooled 43 Ton Chiller**

### Dimensional & Electrical Table (Dual Circuit)

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Voltage</th>
<th>Phase</th>
<th>Freq.</th>
<th>Qty.</th>
<th>HP</th>
<th>FLA ea.</th>
<th>LRA ea.</th>
<th>MCA</th>
<th>M.O.P</th>
<th>2&quot; FPT</th>
<th>Weight LBS.</th>
<th>Condenser Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEZA43DF5</td>
<td>85</td>
<td>34</td>
<td>42</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>25</td>
<td>89.7</td>
<td>500</td>
<td>7</td>
<td>250</td>
<td>300</td>
<td>1700</td>
<td>OC43D</td>
<td></td>
</tr>
<tr>
<td>IEZA43DH5</td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
<td>43.6</td>
<td>250</td>
<td>4</td>
<td>3.5</td>
<td>125</td>
<td>150</td>
<td>2.8</td>
<td>90</td>
<td>110</td>
<td></td>
<td>OC43D</td>
<td></td>
</tr>
<tr>
<td>IEZA43DI5</td>
<td>575V</td>
<td>3</td>
<td>60Hz</td>
<td>32.7</td>
<td>198</td>
<td>4</td>
<td>7</td>
<td>250</td>
<td>300</td>
<td>250</td>
<td>300</td>
<td>300</td>
<td>1700</td>
<td>OC43D</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>100°F</th>
<th>105°F</th>
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</thead>
<tbody>
<tr>
<td>43D</td>
<td>ZR300KCE</td>
<td>42.0</td>
<td>42.8</td>
<td>37.7</td>
<td>38.1</td>
<td>38.3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>44.4</td>
<td>44.2</td>
<td>38.1</td>
<td>42.5</td>
<td>45.0</td>
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<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>45.0</td>
<td>38.3</td>
<td>43.3</td>
<td>45.8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>48.8</td>
<td>39.4</td>
<td>48.8</td>
<td>49.2</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**

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