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 Bypass Capacity Control
- 24V control transformer
- Control circuit fusing
- Compressor motor contactor
- Painted - Powder Coated (Most Models), galvanized sheet metal cabinet
- 1/2” insulation on all water and 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 booket 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:
- Remote LCD 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
- Condenser water regulating valve
- 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
- Stainless steel, SCH80 PVC or Polypropylene piping for deionized and reverse osmosis water systems
- Door Mounted HMI with weather proof cover

Tank Options
- Storage tank sight glass
- Tank low liquid level indicator with dry contacts
- Auto Tank Fill

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**PRODUCT DATA SHEET**

**Model:** IEZAT1S  
**Type:** Split-System Air-Cooled  
**Capacity:** 1 Ton Chiller

**with Stainless Steel Tank**

### Dimensional & Electrical Table (Single Circuit)

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length Inches</th>
<th>Width Inches</th>
<th>Height Inches</th>
<th>Power</th>
<th>Compressor RLA (Hp)</th>
<th>LRA (Hp)</th>
<th>Fan Motor FLA</th>
<th>Recirculation Pump FLA</th>
<th>MCA</th>
<th>M.O.P</th>
<th>Reservoir Gal.</th>
<th>Chiller Fluid Comp.</th>
<th>Weight LBS.</th>
<th>Condenser Selection</th>
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<tbody>
<tr>
<td>IEZAT1S5</td>
<td>36</td>
<td>34</td>
<td>65</td>
<td>208/230V</td>
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<td>1.3</td>
<td>8.3</td>
<td>40.3</td>
<td>1</td>
<td>3.8</td>
<td>4.2</td>
<td>20</td>
<td>25</td>
<td>20</td>
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</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>
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</thead>
<tbody>
<tr>
<td>1S</td>
<td>ZR16K5E</td>
<td>42.0</td>
<td>.98 .1 .2 7.5</td>
<td>.90 1.3 6.8</td>
<td>.87 1.4 6.3</td>
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<td>.80 1.5 5.6</td>
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<td>1.05 1.4 7.1</td>
<td>1.01 1.5 6.7</td>
<td>.98 1.6 6.3</td>
</tr>
</tbody>
</table>

* = Requires the use of glycol.

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**Product Dimensional Drawing**

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