Model: IEZAT1.5S  Split-System, Air-Cooled 1.5 Ton Chiller

with Stainless Steel Tank

**Standard Features:**
- ETL listed to UL1995 & CAN/CSA C22.2
- 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

**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
- 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

**Dimensions and Electrical Specifications**

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**Model: IEZAT1.5S** Split-System, Air-Cooled 1.5 Ton Chiller

**Product Dimensional Drawing**

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![Dimensional Drawing](image)

**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>1.5S</td>
<td>ZS15KAE</td>
<td>42.0</td>
<td>1.7</td>
<td>1.7</td>
<td>8.9</td>
<td>1.6</td>
<td>1.8</td>
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<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>1.9</td>
<td>1.7</td>
<td>7.1</td>
<td>1.6</td>
<td>1.9</td>
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<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>1.9</td>
<td>1.7</td>
<td>7.3</td>
<td>1.6</td>
<td>1.9</td>
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<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>1.9</td>
<td>1.9</td>
<td>8.3</td>
<td>1.6</td>
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</table>

*Requires the use of glycol.*

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

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Power</th>
<th>Compressor</th>
<th>RLA</th>
<th>LRA</th>
<th>Fan Motor</th>
<th>Recirculation Pump FLA</th>
<th>MCA</th>
<th>M.O.P</th>
<th>Reservoir Gal.</th>
<th>Chiller Fluid Conn.</th>
<th>Weight LBS.</th>
<th>Condenser Selection</th>
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<tbody>
<tr>
<td>IEZAT1.5S5E5</td>
<td>36</td>
<td>34</td>
<td>65</td>
<td>208/230V, 1 HP 60Hz</td>
<td>ZS15KAE</td>
<td>3.8</td>
<td>4.2</td>
<td>25</td>
<td>35</td>
<td>20</td>
<td>1&quot; FPT</td>
<td>600</td>
<td>OC1.5S</td>
<td></td>
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<tr>
<td>IEZAT1.5S5F5</td>
<td>36</td>
<td>34</td>
<td>65</td>
<td>460V, 3 HP 60Hz</td>
<td>ZS15KAE</td>
<td>2.8</td>
<td>3.9</td>
<td>20</td>
<td>25</td>
<td>20</td>
<td>1&quot; FPT</td>
<td>600</td>
<td>OC1.5S</td>
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<td>IEZAT1.5S5H5</td>
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<td>34</td>
<td>65</td>
<td>575V, 3 HP 60Hz</td>
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<td>15</td>
<td>15</td>
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