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

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
- 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 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
- Door Mounted HMI with weather proof cover

Tank Options:
- Storage tank sight glass
- Tank low liquid level indicator with dry contacts
- Auto Tank Fill
**PRODUCT DATA SHEET**

**Model: IEZAT18D**  
Split-System Air-Cooled  
18 Ton Chiller

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### 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>HP</th>
<th>LWT</th>
<th>Compressor LRA</th>
<th>Recirculation Pump FLA</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>IEZAT18DF5</td>
<td>85</td>
<td>34</td>
<td>70</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>2</td>
<td>17.2</td>
<td>239</td>
<td>1.5' FPT</td>
<td>120</td>
<td>1.5</td>
<td>1900</td>
<td>OC18D</td>
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<tr>
<td>IEZAT18DH5</td>
<td>575V</td>
<td>3</td>
<td>60Hz</td>
<td>460V</td>
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<td>60Hz</td>
<td>2</td>
<td>12.4</td>
<td>80</td>
<td>1.72</td>
<td>35</td>
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</table>

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### Capacity Table (Refrigerant R407C)

**Model: 18D ZB76KCE**

<table>
<thead>
<tr>
<th>Model</th>
<th>Compressor</th>
<th>LWT °F</th>
<th>80°F TONS</th>
<th>90°F TONS</th>
<th>95°F TONS</th>
<th>100°F TONS</th>
<th>105°F TONS</th>
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<td>15.5</td>
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<td>14.8</td>
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<td></td>
<td></td>
<td>17.0</td>
<td>16.6</td>
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<td>15.8</td>
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<td>17.9</td>
<td>17.4</td>
<td>16.8</td>
<td>16.2</td>
</tr>
</tbody>
</table>

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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.

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### Product Dimensional Drawing

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[Diagrams of the product with various views and dimensions.]