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 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

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### Dimensional & Electrical Table (Dual Circuit)

| Chiller Models | Length Inches | Width Inches | Height Inches | Power | Compressor LRA ea. Qty & HP | Fan Motor Recirculation Pump FLA MCA M.O.P Reservoir Gal. Chiller Fluid Conn. Weight Pounds Condenser Model |
|---------------|--------------|--------------|---------------|-------|-----------------------------|-------------------------------------------------|-------------------------------------------------|------------------------------------------|
| IEZAT7D6ES    | 75           | 34           | 70            | 208/230V 1 60Hz | 21.8 | 137 | 3.8 | 6.6 | 70 | 80 | 50 | 1.25° FPT | 1350 | OC7D |
| IEZAT7D6FS    | 75           | 34           | 70            | 208/230V 3 60Hz | 15.4 | 114 | 3.8 | 6.6 | 50 | 60 | -   | -    | -    | -    |
| IEZAT7D6HS    | 460V         | 3            | 60Hz          | 7.1   | 58  | 1.5 | 1.7 | 25 | 25 | -   | -    | -    | -    |
| IEZAT7D6IS    | 575V         | 3            | 60Hz          | 5.2   | 43  | 1.72 | 1 | 20 | 20 | -   | -    | -    | -    |

* = Requires the use of glycol.

### 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>
</tr>
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<tr>
<td>7D</td>
<td>ZS29KAE</td>
<td>42.0</td>
<td>6.3</td>
<td>7.1</td>
<td>9.8</td>
<td>5.8</td>
<td>8.2</td>
</tr>
<tr>
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<td></td>
<td>44.0</td>
<td>6.5</td>
<td>7.2</td>
<td>10.1</td>
<td>6.0</td>
<td>8.3</td>
</tr>
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<td>6.7</td>
<td>7.3</td>
<td>10.3</td>
<td>6.3</td>
<td>7.9</td>
<td>9.1</td>
</tr>
<tr>
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<td></td>
<td>7.4</td>
<td>7.4</td>
<td>10.9</td>
<td>7.0</td>
<td>8.1</td>
<td>9.7</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.

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