# Model: IEZA13D

## Split-System, Air-Cooled 13 Ton Chiller

**J&M Fluidics, Inc.**

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Telford, PA 18969

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### 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

### 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 Dimensional Drawing
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Dimensional & Electrical Table (Dual 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</th>
<th>RLA ea.</th>
<th>LRA ea.</th>
<th>Fan Motor</th>
<th>MCA</th>
<th>M.O.P</th>
<th>Chiller Fluid Conn.</th>
<th>Weight LBS.</th>
<th>Condenser Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEZA13DF5</td>
<td>65</td>
<td>30</td>
<td>37</td>
<td>208/230V 3 60Hz</td>
<td>2 8</td>
<td>28.8</td>
<td>195</td>
<td>3.8</td>
<td>80</td>
<td>100</td>
<td>1.25° FPT</td>
<td>1400</td>
<td>OC13D</td>
</tr>
<tr>
<td>IEZA13DH5</td>
<td>460V</td>
<td>3</td>
<td>60Hz</td>
<td>10.8</td>
<td>80</td>
<td>1.72</td>
<td>30</td>
<td>35</td>
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<tr>
<td>IEZA13DI5</td>
<td>575V</td>
<td>3</td>
<td>60Hz</td>
<td>14.7</td>
<td>95</td>
<td>1.5</td>
<td>40</td>
<td>50</td>
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</table>

OC13D (Outdoor Condenser Specs)

<table>
<thead>
<tr>
<th>Condenser Model</th>
<th>Length Inches</th>
<th>Width Inches</th>
<th>Height Inches</th>
<th>Fan Motor</th>
<th>Refrigerant Connections</th>
<th>Weight / lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>OC13D</td>
<td>85</td>
<td>40</td>
<td>47</td>
<td>2</td>
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<td>745</td>
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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>13D</td>
<td>ZS58KAE</td>
<td>42.0</td>
<td>13.9</td>
<td>11.8</td>
<td>12.5</td>
<td>13.2</td>
<td>13.1</td>
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<td>44.0</td>
<td>14.4</td>
<td>11.9</td>
<td>12.8</td>
<td>13.7</td>
<td>13.2</td>
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<td>45.0</td>
<td>14.6</td>
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<td>13.0</td>
<td>14.0</td>
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<td>50.0</td>
<td>15.7</td>
<td>12.3</td>
<td>13.7</td>
<td>15.2</td>
<td>13.6</td>
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