Model: IESA37D
Split-System Air-Cooled
37 Ton Chiller

STANDARD ON ALL LEGACY CHILLER MODELS:
- Pentra Microsmart, Programmable Logic Controller (PLC) with easy to use HMI touch screen display
- Data Recording Memory Card
- STAINLESS STEEL, brazed plate evaporator
- SEMI-HEMETIC compressor with crankcase heater and vibration spring mounting kit
- Compressor discharge and suction pipe vibration eliminators
- Suction Accumulator
- Liquid sight-glass, solenoid, TXV and replaceable core drier
- Water flow switch
- 24V control transformer
- Fan cycle control (+40°F)
- Direct drive condenser fan motor
- Rust resistant, high CFM, aluminum condenser fan blade
- Condenser(s): copper tube/aluminum fin, Floating Tube™
- 5 year condenser warranty against tube sheet leaks
- Compressor motor contactor
- Individual condenser motor contactors and fusing
- Condenser control panel with factory mounted door interrupt disconnect switch
- Galvanized steel sheet metal cabinet
- 1/2 inch insulation on all water and refrigerant lines
- Operating Refrigerant charge from factory
- Factory Performance Test prior to shipment

Options:
- Compressor Cylinder Unloading
- Remote Idec touchscreen control panel
- Industrial VPN Router
- 5 Port Ethernet Switch
- BacNet Gateway
- Process Pump VFD Controller
- 4 year extended compressor warranty
- 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
- Flooded cond. w/receiver/head pressure control (0°F)
- Heated, flooded cond. w/receiver/head pressure control (-20°F)
- Factory installed evaporator heat tape freeze protection
- Fused, STAINLESS STEEL process pump
- Dual process pump with manual changeover
- Dual process pump with auto changeover
- Pump suction isolation valve
- Water pressure gauge set
- Water Flow Meter
- Copper finned condenser coil (coastal protection)
- BohnGuard™ coated condenser coil (coastal protection)
- Epoxy or Phenolic coated fins (coastal protection)
- Door Mounted HMI with weather proof cover
Model: IESA37D
Split-System Air-Cooled
37 Ton Chiller

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>Compressor</th>
<th>RLA ea.</th>
<th>LRA ea.</th>
<th>Fan Motor Qty.</th>
<th>FLA.</th>
<th>MCA</th>
<th>M.O.P</th>
<th>Weight</th>
<th>Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>IESA37DF5</td>
<td>85</td>
<td>34</td>
<td>62</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>96.2</td>
<td>428</td>
<td>7</td>
<td>250</td>
<td>300</td>
<td></td>
<td></td>
<td></td>
<td>4900</td>
</tr>
<tr>
<td>IESA37DH5</td>
<td>460V</td>
<td>60Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>48.1</td>
<td>214</td>
<td>3.5</td>
<td>125</td>
<td>150</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IESA37DIS</td>
<td>575V</td>
<td>60Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>34.8</td>
<td>172</td>
<td>2.8</td>
<td>90</td>
<td>110</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Outside Condenser Specs (OC)

<table>
<thead>
<tr>
<th>Outside Condenser</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Fan Motor Qty.</th>
<th>HP</th>
<th>Refrigerant Conn. Discharge</th>
<th>Liquid</th>
<th>Weight</th>
<th>Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>OC37D</td>
<td>127</td>
<td>88</td>
<td>49.13</td>
<td>4</td>
<td>1.5</td>
<td>1 3/8&quot;</td>
<td>7/8&quot;</td>
<td>1340</td>
<td></td>
</tr>
</tbody>
</table>

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>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>TONS</td>
<td>KW</td>
<td>EER</td>
<td>TONS</td>
<td>KW</td>
</tr>
<tr>
<td>37D</td>
<td>4DHNR22ME</td>
<td>42.0</td>
<td>41.0</td>
<td>37.5</td>
<td>10.6</td>
<td>36.8</td>
<td>40.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>44.0</td>
<td>43.2</td>
<td>38.0</td>
<td>11.0</td>
<td>38.7</td>
<td>40.8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45.0</td>
<td>44.2</td>
<td>38.3</td>
<td>11.2</td>
<td>39.5</td>
<td>41.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50.0</td>
<td>50.2</td>
<td>40.8</td>
<td>12.3</td>
<td>44.7</td>
<td>42.6</td>
</tr>
</tbody>
</table>

*Includes (Model OC37D)
4 Fan – Outdoor Condenser