Model: IESA16D
Split-System Air-Cooled
16 Ton Chiller

STANDARD ON ALL LEGACY CHILLER MODELS:
Pentra Microsmart, Programmable Logic Controller (PLC) with HMI Touch Screen Display.
(Located on front side of electrical cabinet)

Indoor Chiller

**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**
- **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: **IESA16D**  
Split-System Air-Cooled  
**16 Ton Chiller**

### 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 Voltage</th>
<th>Phase</th>
<th>Frequency</th>
<th>Qty</th>
<th>HP</th>
<th>LRA</th>
<th>LRA ee.</th>
<th>FLA.</th>
<th>FLA ee.</th>
<th>MCA</th>
<th>M.O.P</th>
<th>Chiller Fluid Conn.</th>
<th>Weight Pounds</th>
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<tbody>
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<td>IESA16DF5</td>
<td>85</td>
<td>34</td>
<td>45</td>
<td>208/230V</td>
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<td>60Hz</td>
<td>2</td>
<td>8</td>
<td>36.8</td>
<td>215</td>
<td>7</td>
<td>100</td>
<td>125</td>
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<td>2&quot; MPT</td>
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<td>2</td>
<td>3.5</td>
<td>50</td>
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<td>125</td>
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### Outside Condenser Specs (OC16)

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<th>Length Inches</th>
<th>Width Inches</th>
<th>Height Inches</th>
<th>Fan Motor Qty.</th>
<th>HP</th>
<th>Refrigerant Conn.</th>
<th>Weight Pounds</th>
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### Capacity Table (Refrigerant R407C)

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<th>Model</th>
<th>Compressor</th>
<th>LWT °F</th>
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<th>105°F</th>
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*Includes (Model OC16D)  
2 Fan – Outdoor Condenser*