**Product Data Sheet**

**Model:** IESAA22D  
**Split-System Air-Cooled**  
**22 Ton Chiller**

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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
- **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**

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**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

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## PRODUCT DATA SHEET

**Model: IESA22D**  
**Split-System Air-Cooled**  
**22 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>Voltage</th>
<th>Phase</th>
<th>Freq.</th>
<th>Qty.</th>
<th>HP</th>
<th>Power Compressor</th>
<th>LRA ea.</th>
<th>MCA</th>
<th>M.O.P</th>
<th>Chiller Fluid Conn.</th>
<th>Weight Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>IESA22DF5</td>
<td>85</td>
<td>34</td>
<td>62</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>2</td>
<td>12.5</td>
<td>43.2</td>
<td>275</td>
<td>7</td>
<td>125</td>
<td>150</td>
<td>2&quot; MPT</td>
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<td>3</td>
<td>60Hz</td>
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<td>21.2</td>
<td>138</td>
<td>7</td>
<td>125</td>
<td>60</td>
<td>3.5</td>
<td>60</td>
<td>70</td>
<td>1200</td>
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</table>

### Outside Condenser Specs (OC22)

<table>
<thead>
<tr>
<th>Outside Condenser</th>
<th>Length Inches</th>
<th>Width Inches</th>
<th>Height Inches</th>
<th>Fan Motor</th>
<th>Refrigerant Conn.</th>
<th>Weight Pounds</th>
</tr>
</thead>
<tbody>
<tr>
<td>OC22D</td>
<td>127</td>
<td>45.56</td>
<td>49.13</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>
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<td>3DF3R15ME</td>
<td>42.0</td>
<td>24.8</td>
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<td>10.7</td>
<td>22.9</td>
<td>25.2</td>
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<tr>
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<td>25.8</td>
<td>23.3</td>
<td>11.1</td>
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<td>12.4</td>
<td>27.3</td>
<td>26.2</td>
</tr>
</tbody>
</table>

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*Includes (Model OC22D)*  
2 Fan – Outdoor Condenser