**PRODUCT DATA SHEET**

**Model: IESA25D**
**Split-System Air-Cooled**
**25 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)

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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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*Split-System Air-Cooled  
25 Ton Chiller*

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**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>Qty.</th>
<th>HP</th>
<th>LRA ea.</th>
<th>LRA ea.</th>
<th>Fan Motor Qty.</th>
<th>FLA.</th>
<th>M.O.P</th>
<th>Weight Pounds</th>
<th>Chiller Fluid Conn.</th>
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</thead>
<tbody>
<tr>
<td>IESA25DF5</td>
<td>85</td>
<td>34</td>
<td>62</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>2</td>
<td>15</td>
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<td>275</td>
<td>3</td>
<td>7</td>
<td>150</td>
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<td>IESA25DH5</td>
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<td>460V</td>
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<td>70</td>
<td>90</td>
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**Outside Condenser Specs (OC)**

<table>
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<th>Outside Condenser Length</th>
<th>Width</th>
<th>Height</th>
<th>Fan Motor Qty.</th>
<th>HP</th>
<th>Refrigerant Conn. Discharge</th>
<th>Liquid</th>
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<td>180</td>
<td>45.56</td>
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**Capacity Table (Refrigerant R407C)**

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<th>Model</th>
<th>Compressor</th>
<th>LWT °F</th>
<th>80°F</th>
<th>TONS</th>
<th>KW</th>
<th>EER</th>
<th>90°F</th>
<th>TONS</th>
<th>KW</th>
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<th>95°F</th>
<th>TONS</th>
<th>KW</th>
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<th>KW</th>
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*Includes (Model OC25D)  
3 Fan – Outdoor Condenser*