PRODUCT DATA SHEET

Model: IESA45D
Split-System Air-Cooled
45 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.

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

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**PRODUCT DATA SHEET**

Model: **IESA45D**  
*Split-System Air-Cooled 45 Ton Chiller*

### Dimensional & Electrical Table (Dual Circuit)

<table>
<thead>
<tr>
<th>Chiller Models</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Power</th>
<th>Compressor</th>
<th>LRA</th>
<th>LRA</th>
<th>Fan Motor</th>
<th>MCA</th>
<th>M.O.P</th>
<th>Chiller Fluid Conn.</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>PSA45DF5</td>
<td>110</td>
<td>34</td>
<td>62</td>
<td>208/230V</td>
<td>3</td>
<td>60Hz</td>
<td>2</td>
<td>25</td>
<td>122.9</td>
<td>565</td>
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<td>300</td>
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### Outside Condenser Specs (OC)

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<th>Length</th>
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<th>Fan Motor</th>
<th>Refrigerant Conn.</th>
<th>Weight</th>
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<tr>
<td>OC45D</td>
<td>127</td>
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<td>49.13</td>
<td>1.5</td>
<td>15/8” 7/8”</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>90°F</th>
<th>95°F</th>
<th>100°F</th>
<th>105°F</th>
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<td>TONS</td>
<td>KW</td>
<td>EER</td>
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<td>KW</td>
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<td>45D</td>
<td>6DBNR32ME</td>
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*Includes (Model OC45D)  
4 Fan – Outdoor Condenser*