**FHP-4250 Air Conditioner/Heat Exchanger**

**FEATURES**
- High capacity thermoelectric design
- Power saving air to air heat exchanger mode (ECO-Mode)
- Heavy duty full perimeter mounting
- No intrusion into enclosure
- Central input cord for easy mounting
- Closed loop design
- Condensate control and evaporation system
- Increased efficiency at higher ambients
- Virtually maintenance free
- No compressor
- Environmentally friendly and safe
- Stainless Steel exterior housing
- Mounts and operates in any orientation
- Integral temperature controller
- Weight 116 LBS.

**CONTROL TEMPERATURES**
- Active Cooling 35 °C
- Heat Exchanger (ECO-Mode) 25 °C
- Active Heating 10 °C
- Typical Hysteresis 5 °C
- Operating Ambient -40/+65 °C
- Operating Enclosure -10/+60 °C

**POWER INPUTS**
- Voltage 48 VDC
- Current, Active 16 AMPS
- Current, ECO-Mode 1.8 AMP

**PERFORMANCE RATINGS**
- Cooling (Traditional) 2500 BTU/HR
- Cooling (Din 3168) 733 WATTS
- Cooling COP (at L35 L35) 0.95
- Heating (Traditional) > 2500 BTU/HR
- Heating (Din 3168) > 733 WATTS
- Heating COP > 1.0
- Heat Exchanger (ECO-Mode) 30 W/°C

**CONFIGURATIONS**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>NOTES</th>
<th>TEMPERATURE CONTROL</th>
<th>ENVIRONMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHP-4250</td>
<td>7-J4J6-0-000</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
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<td>FHP-4250</td>
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<td>TC-7F</td>
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<td>FHP-4250HC</td>
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<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>TC-4F</td>
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<td>7-J4J6-2-000</td>
<td>Heat/Cool, sealed hot side fans &amp; power supply</td>
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<tr>
<td>FHP-4250X</td>
<td>7-J4J6-3-000</td>
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* Unit is set for 5-32 VDC external signal, relay(s) included

**INCLUDES**
- Temperature controller
- Power saving heat exchanger mode (ECO-Mode)
- Mounting gasket
- Mounting hardware
- Power input leads
- Circuit breaker

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**250 VDC configuration for crane applications available**
PERFORMANCE CURVE

Equation of line: \( y = \Delta T(\degree C) \)  \( x = \) Capacity (Watts)

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>35\degree C</th>
<th>50\degree C</th>
</tr>
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<tbody>
<tr>
<td>Enclosure Air</td>
<td>( y = 0.036x - 26.4 )</td>
<td>( y = 0.036x - 27.1 )</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>( y = 0.028x - 26.4 )</td>
<td>( y = 0.028x - 27.1 )</td>
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DIMENSIONS

Dimensions do not include hardware
Mounting hardware and gasket included but not shown
Dimensions: Inches [Millimeters]