## FHP-4250 Air Conditioner/Heat Exchanger

Air Cooled  
Flush Mounted  
Nema-12, 4, 4X  
120 VAC Input  
High Efficiency  
2408 BTU/HR

### 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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>POWER SUPPLY</th>
<th>TEMPERATURE CONTROLLER</th>
<th>ENVIRONMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHP-4250</td>
<td>Power supply</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-4250HC</td>
<td>Temperature controller</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-4250XE</td>
<td>Power saving heat exchanger mode (ECO-Mode)</td>
<td>TC-4F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>FHP-4250XEH</td>
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<td>FHP-4250X</td>
<td>Power saving heat exchanger mode (ECO-Mode)</td>
<td>TC-4F</td>
<td>NEMA-4X, IP 56</td>
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### INCLUDES
- Power supply
- Temperature controller
- Power saving heat exchanger mode (ECO-Mode)
- Mounting gasket
- Mounting hardware
- Power input cord
- Circuit breaker

### POWER INPUTS

- Voltage: 120 VAC
- Current, Active: 6 AMPS
- Current, ECO-Mode: 1.7 AMP
- Frequency: 50/60 Hz

### PERFORMANCE RATINGS

- Cooling (Traditional): 2408 BTU/HR
- Heating (Traditional): > 2455 BTU/HR
- Heating COP (at L35 L35): > 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-J4J0-0-000</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-4250HC</td>
<td>7-J4I0-1-000</td>
<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-4250XE</td>
<td>7-J4J0-4-000</td>
<td>Cool only, sealed hot side fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>FHP-4250XEH</td>
<td>7-J4J0-5-000</td>
<td>Heat/Cool, sealed hot side fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>FHP-4250X</td>
<td>7-J4J0-2-000</td>
<td>Cool only, Mil. grade hot side fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>FHP-4250XHC</td>
<td>7-J4I0-3-000</td>
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</tbody>
</table>
PERFORMANCE CURVE

Equation of line: \( y = AT(\degree C) \times \text{Capacity (Watts)} \)

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>35°C</th>
<th>50°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure Air</td>
<td>( y = 0.034x - 24 )</td>
<td>( y = 0.034x - 25 )</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>( y = 0.026x - 24 )</td>
<td>( y = 0.026x - 25 )</td>
</tr>
</tbody>
</table>

DIMENSIONS

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