FHP-3250
Air Conditioner/Heat Exchanger

Air Cooled
Flush Mounted
Nema-12, 4, 4X

48 VDC Input
High Capacity
2095 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
- Environmentaly friendly and safe
- Stainless Steel exterior housing
- Mounts and operates in any orientation
- Integral temperature controller
- Weight 93 LBS.

**CONTROL TEMPERATURES**

<table>
<thead>
<tr>
<th>Model</th>
<th>notes</th>
<th>Temperature Control</th>
<th>Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHP-3250</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-3250</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-3250HC</td>
<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
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<tr>
<td>FHP-3250HC</td>
<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-3250XE</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-3250XE</td>
<td>Cool only, sealed hot side fans &amp; power supply</td>
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<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>FHP-3250XEH</td>
<td>Heat/Cool, sealed hot side fans &amp; power supply</td>
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<td>NEMA-4, IP 56</td>
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<td>FHP-3250XEH</td>
<td>Heat/Cool, sealed hot side fans &amp; power supply</td>
<td>EXT*</td>
<td>NEMA-4, IP 56</td>
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<tr>
<td>FHP-3250X</td>
<td>Cool only, Mil. grade hot side fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-4X, IP 56</td>
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<tr>
<td>FHP-3250X</td>
<td>Cool only, Mil. grade hot side fans &amp; power supply</td>
<td>EXT*</td>
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</tr>
</tbody>
</table>

* Unit is set for 5-32 VDC external signal, relay(s) included

**POWER INPUTS**

- Voltage: 48 VDC
- Current, Active: 22 AMPS
- Current, ECO-Mode: 1.4 AMP

**PERFORMANCE RATINGS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Performance Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHP-3250</td>
<td>2095 BTU/HR</td>
</tr>
<tr>
<td>FHP-3250</td>
<td>672 WATTS</td>
</tr>
<tr>
<td>FHP-3250HC</td>
<td>0.58</td>
</tr>
<tr>
<td>FHP-3250XE</td>
<td>&gt; 2095 BTU/HR</td>
</tr>
<tr>
<td>FHP-3250XE</td>
<td>&gt; 672 WATTS</td>
</tr>
<tr>
<td>FHP-3250XEH</td>
<td>&gt; 1.0</td>
</tr>
<tr>
<td>FHP-3250XEH</td>
<td>18 W/°C</td>
</tr>
</tbody>
</table>

**CONFIGURATIONS**

- 250 VDC configuration for crane applications available

**INCLUDES**

- Temperature controller
- Power saving heat exchanger mode (ECO-Mode)
- Mounting gasket
- Mounting hardware
- Power input leads
- Circuit breaker
**FHP-3250**

**MOUNTING STYLE**
Flush Mounted

**ENvironments Served**
- NEMA-12  IP 52
- NEMA-4,4X  IP 56

**Rating (Traditional)**
2095 BTU/hr @ 0 °F ΔT

**Rating (DIN 3168)**
- 614 Watts L35 L35
- 302 Watts L35 L50

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**Performance Curve**

Equation of line: \(y = \Delta T(°C) \) vs 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 = 0.044x - 27)</td>
<td>(y = 0.044x - 28.3)</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>(y = 0.032x - 27)</td>
<td>(y = 0.032x - 28.3)</td>
</tr>
</tbody>
</table>

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**Dimensions**

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

- External Hot Side Fans
- 19.03 [483]
- 20.62 [521]
- Internal Cold Side Fan
- 8.53 [217]
- (18) 10-32 Studs
- 8.50 [216]
- 8.50 [216]
- Input Cord
- 9.88 [251]
- 9.88 [251]
- 6.00 [152]
- 6.00 [152]
- 4.95 [126]

Mounting Cutout: 17.20X18.90 [437X480]