**FHP-2252**

**Air Conditioner/Heat Exchanger**

- **Air Cooled**
- **Flush Mounted**
- **Nema-12, 4, 4X**
- **High Capacity**
- **240 VAC Input**
- **1875 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 card for easy mounting
- Closed loop design
- Condensate control and evaporation system
- Compact (20.5" L X 13" W X 8.5" D)
- Increased efficiency at higher ambients by as much as 10%
- Virtually maintenance free
- No compressor
- Environmentally friendly and safe
- Stainless Steel exterior housing
- Mounts and operates in any orientation
- Integral temperature controller
- Weight 66 LBS.

**CONTROL TEMPERATURES**

<table>
<thead>
<tr>
<th>Active Cooling</th>
<th>Heat Exchanger (ECO-Mode)</th>
<th>Active Heating</th>
<th>Typical Hysteresis</th>
<th>Operating Ambient</th>
<th>Operating Enclosure</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 °C</td>
<td>25 °C</td>
<td>10 °C</td>
<td>5 °C</td>
<td>-40/+65 °C</td>
<td>-10/+60 °C</td>
</tr>
</tbody>
</table>

**POWER INPUTS**

- **Voltage** 240 VAC
- **Current, Active** 6.5 AMPS
- **Current, ECO-Mode** 0.5 AMP
- **Frequency** 50/60 Hz

**PERFORMANCE RATINGS**

<table>
<thead>
<tr>
<th>Cooling (Traditional)</th>
<th>1875 BTU/HR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling (Din 3168)</td>
<td>550 WATTS</td>
</tr>
<tr>
<td>Cooling COP (at L35 L35)</td>
<td>0.35</td>
</tr>
<tr>
<td>Heating (Traditional)</td>
<td>&gt; 5320 BTU/HR</td>
</tr>
<tr>
<td>Heating (Din 3168)</td>
<td>&gt; 1560 WATTS</td>
</tr>
<tr>
<td>Heating COP</td>
<td>&gt; 1.0</td>
</tr>
<tr>
<td>Heat Exchanger (ECO-Mode)</td>
<td>12.5 W/°C</td>
</tr>
</tbody>
</table>

**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-2252</td>
<td>7-H552-0-000</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-2252</td>
<td>7-H552-0-000</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-2252HC</td>
<td>7-H552-1-000</td>
<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-2252HC</td>
<td>7-H552-1-000</td>
<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-2252XE</td>
<td>7-H512-4-000</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-2252XE</td>
<td>7-H552-4-000</td>
<td>Cool only, sealed hot side fans &amp; power supply</td>
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<td>Heat/Cool, sealed hot side fans &amp; power supply</td>
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<td>NEMA-4, IP 56</td>
</tr>
<tr>
<td>FHP-2252XEH</td>
<td>7-H552-2-000</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>
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<td>7-H552-2-000</td>
<td>Cool only, Mil. grade hot side fans &amp; power supply</td>
<td>EXT*</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>FHP-2252XHC</td>
<td>7-H512-3-000</td>
<td>Heat/Cool, Mil. grade hot side fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>FHP-2252XHC</td>
<td>7-H512-3-000</td>
<td>Heat/Cool, Mil. grade hot side fans &amp; power supply</td>
<td>EXT*</td>
<td>NEMA-4X, IP 56</td>
</tr>
</tbody>
</table>

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

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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

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**250 VDC configuration for crane applications available**
**Equation of line:** y = $\frac{x}{H9019}$ (°C)  x = Capacity (Watts)

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>$35^\circ$C</th>
<th>$50^\circ$C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure Air</td>
<td>$y = 0.066x - 36.4$</td>
<td>$y = 0.066x - 38.5$</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>$y = 0.050x - 36.4$</td>
<td>$y = 0.050x - 38.5$</td>
</tr>
</tbody>
</table>

**MOUNTING STYLE**
Flush Mounted

**ENVIRONMENTS SERVED**
- NEMA-12     IP 52
- NEMA-4,4X   IP 56

**RATING (TRADITIONAL)**
- 1875 BTU/hr @ 0 °F $\Delta T$
- 2480 BTU/hr @ +20 °F $\Delta T$

**RATING (DIN 3168)**
- 550 Watts L35 L35
- 355 Watts L35 L50

**DIMENSIONS**

**EXTERNAL HOT SIDE FANS**

**Internal Cold Side Fans**

**Mounting Surface**

**Input Cord**

**Circuit Breaker**

**External Cold Side Fans**

(14) 10-32 Studs

**MOUNTING CUTOUT DIMENSIONS**

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