**FHP-3252**  
**Air Conditioner/Heat Exchanger**

Air Cooled  
Flush Mounted  
Nema-12, 4, 4X  
2290 BTU/HR  
240 VAC Input  
High Capacity

### 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 93 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**: 240 VAC
- **Current, Active**: 4.6 AMPS
- **Current, ECO-Mode**: 0.70 AMP
- **Frequency**: 50/60 Hz

### Performance Ratings
- **Cooling (Traditional)**: 2290 BTU/HR
- **Cooling (Din 3168)**: 672 WATTS
- **Cooling COP (at L35 L35)**: 0.61
- **Heating (Traditional)**: >3765 BTU/HR
- **Heating (Din 3168)**: >1104 WATTS
- **Heating COP**: >1.0
- **Heat Exchanger (ECO-Mode)**: 18 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-3252</td>
<td>7-I4J2-0-000</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-3252HC</td>
<td>7-I4J2-1-000</td>
<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-3252XE</td>
<td>7-I4J2-4-000</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-3252XEHC</td>
<td>7-I4J2-5-000</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-3252X</td>
<td>7-I4J2-2-000</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-3252XHC</td>
<td>7-I4J2-3-000</td>
<td>Heat/Cool, Mil. grade hot side fans &amp; power supply</td>
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</tbody>
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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

250 VDC configuration for crane applications available
FHP-3252

MOUNTING STYLE
Flush Mounted

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

RATING (TRADITIONAL)
2290 BTU/hr @ 0 °F ΔT
3115 BTU/hr @ +20 °F ΔT

RATING (DIN 3168)
672 Watts L35 L35
360 Watts L35 L50

Air Conditioner - Air Cooled

PERFORMANCE CURVE

Equation of line: y=ΔT(°C) x=Capacity (Watts)

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>35°C</th>
<th>50°C</th>
</tr>
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<tbody>
<tr>
<td>Enclosure Air</td>
<td>y=.046x-30.9</td>
<td>y=.046x-32</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>y=.034x-30.9</td>
<td>y=.034x-32</td>
</tr>
</tbody>
</table>

DIMENSIONS

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

Mounting Cutout: 17.20X18.90 [437X480]