FHP-4252 Air Conditioner/Heat Exchanger

- Air Cooled
- Flush Mounted
- Nema-12, 4, 4X
- 2615 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**
- 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: 4.0 AMPS
- Current, ECO-Mode: 0.9 AMP
- Frequency: 50/60 Hz

**PERFORMANCE RATINGS**
- Cooling (Traditional): 2615 BTU/HR
- Cooling (Din 3168): 767 WATTS
- Cooling COP (at L35 L35): 0.80
- Heating (Traditional): > 3270 BTU/HR
- Heating (Din 3168): > 960 WATTS
- Heating COP: > 1.0
- Heat Exchanger (ECO-Mode): 30 W/°C

**MODELS**
- FHP-4252
  - 7-J4J2-0-000: Cool only, industrial fans & power supply
  - 7-J4I2-1-000: Heat/Cool, industrial fans & power supply
  - 7-J4J2-4-000: Cool only, sealed hot side fans & power supply
  - 7-J4J2-5-000: Heat/Cool, sealed hot side fans & power supply
  - 7-J4J2-2-000: Cool only, Mil. grade hot side fans & power supply
  - 7-J4J2-3-000: Heat/Cool, Mil. grade hot side fans & power supply

**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
**Performance Curve**

Equation of line: \( y = \Delta T \) \((^\circ}C) \times \text{-Capacity (Watts)}

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>35°C</th>
<th>50°C</th>
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<tbody>
<tr>
<td>Enclosure Air</td>
<td>( y = 0.035x - 26.8 )</td>
<td>( y = 0.035x - 27.5 )</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>( y = 0.027x - 26.8 )</td>
<td>( y = 0.027x - 27.5 )</td>
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</tbody>
</table>

**Dimensions**

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

**Mounting Style**
Flush Mounted

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

**Rating (Traditional)**
- 2615 BTU/hr @ 0 °F \( \Delta T \)
- 3693 BTU/hr @ +20 °F \( \Delta T \)

**Rating (DIN 3168)**
- 767 Watts L35 L35
- 360 Watts L35 L50

**Air Conditioner - Air Cooled**
FHP-4252