AHP-4252 Air Conditioner/Heat Exchanger

Air Cooled Through Mounted
Nema-12, 4, 4X
240 VAC Input High Capacity
3810 BTU/HR

FEATURES
- High capacity thermoelectric design
- Power saving air to air heat exchanger mode (ECO-Mode)
- Heavy duty full perimeter mounting
- Lower profile intrusion into enclosure
- Central input cord for easy mounting
- Closed loop design
- Condensate control and evaporation system
- 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 110 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 12.5 AMPS
- Current, ECO-Mode 0.9 AMP
- Frequency 50/60 Hz

PERFORMANCE RATINGS
- Cooling (Traditional) 3810 BTU/HR
- Cooling (Din 3168) 1120 WATTS
- Cooling COP (at L35 L35) 0.37
- Heating (Traditional) > 12000 BTU/HR
- Heating (Din 3168) > 3600 WATTS
- Heating COP > 1.0
- Heat Exchanger (ECO-Mode) 30 W/°C

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

CONFEFIGURATIONS

<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>AHP-4252</td>
<td>0-J5J2-0-000</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-4252HC</td>
<td>0-J5I2-1-000</td>
<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-4252XE</td>
<td>0-J5J2-4-000</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>AHP-4252XEH</td>
<td>0-J5J2-5-000</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>AHP-4252X</td>
<td>0-J5J2-2-000</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>AHP-4252XHC</td>
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</tr>
</tbody>
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TECA 1-888-TECA-USA (832-2872) www.teca-usa.com
Equation of line: $y = \Delta T(\degree C)$, $x =$ 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>$y = 0.033x - 36.9$</td>
<td>$y = 0.033x - 38.9$</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>$y = 0.025x - 36.9$</td>
<td>$y = 0.025x - 38.9$</td>
</tr>
</tbody>
</table>

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