AHP-250

Air Conditioner / Heat Exchanger

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

12 VDC, 24 VDC
129 BTU/HR

FEATURES
• Compact (only 6” X 4.75” X 6.6”)
• Mounts and operates in any orientation: horizontal, vertical, etc.
• Lower vibration and noise
• No moving parts except fans
• Environmentally safe
• No compressor, fluorocarbons or filters
• Heat via reverse polarity
• Virtually maintenance-free operation
• Weight 4.4 LBS.

POWER INPUTS
Voltage 12 VDC, 24 VDC
Current, Active 6 AMPS, 3 AMPS
Current, ECO-Mode 0.3 AMPS

PERFORMANCE RATINGS
Cooling (Traditional) 128 BTU/HR
Cooling (Din 3168) 38 WATTS
Cooling COP (at L35 L35) 0.53
Heating (Traditional) > 245 BTU/HR
Heating (Din 3168) > 72 WATTS
Heating COP > 1.0

CONTROL TEMPERATURES
Active Cooling 35 °C
Heat Exchanger (ECO-Mode) 25 °C
Active Heating 10 °C
Typical Hysteresis 5 °C
Operating Ambient -40/+70 °C
Operating Enclosure -10/+60 °C

PERFORMANCE RATINGS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>NOTES</th>
<th>TEMPERATURE CONTROL</th>
<th>VOLTAGE VDC</th>
<th>CURRENT AMPS</th>
<th>ENVIRONMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHP-250FFHC</td>
<td>0-L094-1-000*</td>
<td>Industrial fans</td>
<td>None</td>
<td>12</td>
<td>6</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-250FFHC</td>
<td>0-L095-1-000*</td>
<td>Industrial fans</td>
<td>None</td>
<td>24</td>
<td>3</td>
<td>NEMA-12, IP 52</td>
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<tr>
<td>AHP-250FF</td>
<td>0-L0J4-0-000</td>
<td>Industrial fans</td>
<td>TC-4F</td>
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<td>AHP-250XHHC</td>
<td>0-L094-5-000*</td>
<td>Industrial sealed HS fan</td>
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<td>Military grade HS fan</td>
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* Heat/Cool function via reverse polarity capable external controller
PERFORMANCE CURVE

Equation of Line: \( y = \frac{1}{H_9004} T \) (°C) \( x = \) Capacity (Watts)

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>35°C</th>
<th>50°C</th>
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<tr>
<td>Enclosure Air</td>
<td>( y = 1.35x - 51 )</td>
<td>( y = 1.34x - 52 )</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>( y = 1.15x - 51.7 )</td>
<td>( y = 1.13x - 52.6 )</td>
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AHP-250
Air Conditioner - Air Cooled

MOUNTING STYLE
Through Mounted

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

RATING (TRADITIONAL)
129 BTU/hr @ 0 °F \( \Delta T \)
162 BTU/hr @ +20 °F \( \Delta T \)

RATING (DIN 3168)
38 Watts L35 L35
28 Watts L35 L50

DIMENSIONS

Air Flow Pattern

Dimensions do not include hardware & sealant
Mounting hardware & gasket included but not shown
Dimension: Inches [Millimeters]