**AHP-3259 Air Conditioner/Heat Exchanger**

**100-240 VAC Input**
**High Capacity**
**2400 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
- Compact
- Increased efficiency at higher ambient 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 82 LBS.

### CONTROL TEMPERATURES
<table>
<thead>
<tr>
<th>MODE</th>
<th>TEMPERATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Cooling</td>
<td>35 °C</td>
</tr>
<tr>
<td>Heat Exchanger</td>
<td>25 °C</td>
</tr>
<tr>
<td>Active Heating</td>
<td>10 °C</td>
</tr>
<tr>
<td>Typical Hysteresis</td>
<td>5 °C</td>
</tr>
<tr>
<td>Operating Ambient</td>
<td>-40°F/+65 °C</td>
</tr>
<tr>
<td>Operating Enclosure</td>
<td>-10°F/+60 °C</td>
</tr>
</tbody>
</table>

### POWER INPUTS
- **Input Voltage**: 100 - 240 VAC
- **Current, Active**: 11 - 4.6 AMPS
- **Alternate Input Voltage**: 127 - 374 VDC
- **Current, ECO-Mode (@120 vac)**: 1.5 AMP
- **Frequency**: 47 - 63 / 440 Hz
- **Power Consumption**: 1100 Watts

### PERFORMANCE RATINGS
- **Cooling (Traditional)**: 2400 BTU/HR
- **Cooling (Din 3168)**: 705 WATTS
- **Cooling COP (at L35 L35)**: 0.64
- **Heating (Traditional)**: > 1200 BTU/HR
- **Heating (Din 3168)**: > 352 WATTS
- **Heating COP**: > 1.0
- **Heat Exchanger (ECO-Mode)**: 12.5 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>AHP-3259</td>
<td>0-15JB-0-000</td>
<td>Cool only, industrial fans</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-3259HC</td>
<td>0-155B-0-000</td>
<td>Cool only, industrial fans</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-3259HC</td>
<td>0-152B-1-000</td>
<td>Heat/Cool, industrial fans</td>
<td>TC-4F</td>
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</tr>
<tr>
<td>AHP-3259XEC</td>
<td>0-155B-1-000</td>
<td>Cool only, sealed hot side fans</td>
<td>TC-7F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>AHP-3259XEC</td>
<td>0-152B-4-000</td>
<td>Cool only, sealed hot side fans</td>
<td>TC-5300D</td>
<td>NEMA-12, IP 52</td>
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† Precise temperature control model
* Unit is set for 5-32 VDC external signal, relay(s) included
PERFORMANCE CURVE

Equation of line: \( y = \Delta T (°C) \) vs. Capacity (Watts)

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>35°C</th>
<th>50°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure Air</td>
<td>( y = 0.04x - 28.2 )</td>
<td>( y = 0.04x - 29.5 )</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>( y = 0.029x - 28.2 )</td>
<td>( y = 0.029x - 29.5 )</td>
</tr>
</tbody>
</table>

DIMENSIONS

Air Conditioner - Air Cooled

AHP-3259

MOUNTING STYLE
Through Mounted

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

RATING (TRADITIONAL)
2400 BTU/hr @ 0 °F \( \Delta T \)

RATING (DIN 3168)
705 Watts L35 L35
330 Watts L35 L50

Air Flow Pattern