AHP-4259
Air Conditioner/Heat Exchanger
100-240 VAC Input
High Capacity
3410 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
- Input Voltage: 100 - 240 VAC
- Current, Active: 15 - 6.5 AMPS
- Alternate Input Voltage: 127 - 374 VDC
- Current, ECO-Mode: 1 AMP
- Frequency: 47 - 63 / 440 Hz
- Power Consumption: 1500 Watts

PERFORMANCE RATINGS
- Cooling (Traditional): 3410 BTU/HR
- Cooling (DIN 3168): 1000 WATTS
- Cooling COP (at L35 L35): 0.67
- Heating (Traditional): > 5100 BTU/HR
- Heating (DIN 3168): > 1500 WATTS
- Heating COP: > 1.0
- Heat Exchanger (ECO-Mode): 12.5 W/°C

INCLUDES
- Power supply
- Temperature controller
- Power saving heat exchanger mode (ECO-Mode)
- Mounting gasket
- Mounting hardware
- Power input cord
- Circuit breaker

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-4259</td>
<td>0-J5JB-0-000</td>
<td>Cool only, industrial fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-12, IP 52</td>
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<td>AHP-4259</td>
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<td>EXT*</td>
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<td>Heat/Cool, industrial fans &amp; power supply</td>
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<td>AHP-4259XE</td>
<td>0-J5JB-4-000</td>
<td>Cool only, sealed hot side fans &amp; power supply</td>
<td>TC-4F</td>
<td>NEMA-4/4X, IP 56</td>
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<td>NEMA-4/4X, IP 56</td>
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<td>AHP-4259XEC†</td>
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<td>Heat/Cool, industrial fans &amp; power supply</td>
<td>TC-5300D</td>
<td>NEMA-12, IP 52</td>
</tr>
</tbody>
</table>

† Precise temperature control model
* Unit is set for 5-32 VDC external signal, relay(s) included
**Equation of line: \( y = \Delta T (\degree C) \quad x = \text{Capacity (Watts)} \)**

<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 = 0.03x - 31.8 )</td>
<td>( y = 0.023x - 31.8 )</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>( y = 0.023x - 31.8 )</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**

Through Mounted

**ENVIRONMENTS SERVED**

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

**RATING (TRADITIONAL)**

3410 BTU/hr @ 0 °F \( \Delta T \)

**RATING (DIN 3168)**

1000 Watts L35 L35
560 Watts L35 L50