AHP-3254 Air Conditioner/Heat Exchanger

Air Cooled

Through Mounted

Nema-12, 4, 4X

High Efficiency

2686 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 88 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, 3 Phase Wye 208 VAC
Current, Active (per phase) 2.6 AMPS
Current, ECO-Mode 0.70 AMP
Frequency 50/60 Hz

PERFORMANCE RATINGS

Cooling (Traditional) 2686 BTU/HR
Cooling (Din 3168) 787 WATTS
Cooling COP (at L35 L35) 0.84
Heating (Traditional) > 3294 BTU/HR
Heating (Din 3168) > 937 WATTS
Heating COP > 1.0
Heater Exchanger (ECO-Mode) 18 W/°C

INCLUDES

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

CONFIGURATIONS

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<th>TEMPERATURE CONTROL</th>
<th>ENVIRONMENT</th>
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<td>AHP-3254</td>
<td>0-I4JE-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-3254HC</td>
<td>0-I4IE-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-3254XE</td>
<td>0-I4JE-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-3254XEHC</td>
<td>0-I4IE-5-000</td>
<td>Heat/Cool, sealed hot side fans &amp; power supply</td>
<td>TC-7F</td>
<td>NEMA-4, IP 56</td>
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<tr>
<td>AHP-3254X</td>
<td>0-I4JE-2-000</td>
<td>Cool only, Mil. grade hot side fans &amp; power supply</td>
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<td>NEMA-4X, IP 56</td>
</tr>
<tr>
<td>AHP-3254XHC</td>
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TECA 1-888-TECA-USA (832-2872) www.teca-usa.com
**PERFORMANCE CURVE**

Equation of line: $$y = \Delta T (\degree C) = x \cdot \text{Capacity (Watts)}$$

- Enclosure Air: $$y = 0.041x - 32.3$$
- Cold Sink: $$y = 0.030x - 32.3$$

**DIMENSIONS**

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

**AHP-3254**

**MOUNTING STYLE**

Through Mounted

**ENVIRONMENTS SERVED**

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

**RATING (TRADITIONAL)**

- 2686 BTU/hr @ 0 °F $\Delta T$
- 3610 BTU/hr @ +20 °F $\Delta T$

**RATING (DIN 3168)**

- 788 Watts L35 L35
- 420 Watts L35 L50

Air Conditioner - Air Cooled

Air Flow Pattern