AHP-301FF Air Conditioner

**FEATURES**
- Compact (only 10"L X 5.52"W X 7.83"D)
- Mounts and operates in any orientation: horizontal, vertical, etc.
- Low vibration and noise
- No moving parts except fans
- Environmentally safe
- Dual voltage (jumper selectable)
- No compressor, fluorocarbons or filters
- Virtually maintenance-free operation
- Stainless steel exterior housing
- Operating ambient temperature range -10/+70 °C
- Operating enclosure temperature range -10/+60 °C
- Weight 12 LBS.

**POWER INPUTS**
- Voltage: 120/240 VAC
- Current, Active: 1.4/0.70 AMPS

**PERFORMANCE RATINGS**
- Cooling (Traditional): 180 BTU/HR
- Cooling (Din 3168): 52 WATTS
- Cooling COP (at L35 L35): 0.36

**CONTROL TEMPERATURES**

<table>
<thead>
<tr>
<th>Control</th>
<th>Active Heat °C</th>
<th>ECO-Mode °C</th>
<th>Active Cool °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>TC-1F</td>
<td>-</td>
<td>-</td>
<td>35</td>
</tr>
<tr>
<td>TC-6F</td>
<td>-</td>
<td>-</td>
<td>25 or 35</td>
</tr>
<tr>
<td>TC-3F</td>
<td>10</td>
<td>-</td>
<td>35</td>
</tr>
</tbody>
</table>

**INCLUDES**
- Integral 120/240 VAC power supply
- Mounting gasket
- Mounting hardware
- Power input cord

**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-301FF</td>
<td>0-7091-0-000</td>
<td>Cool only, industrial fans</td>
<td>None</td>
<td>NEMA-12</td>
</tr>
<tr>
<td>AHP-301FF</td>
<td>0-70F1-0-000</td>
<td>Cool only, industrial fans</td>
<td>TC-1F</td>
<td>NEMA-12</td>
</tr>
<tr>
<td>AHP-301FF</td>
<td>0-7081-0-000</td>
<td>Cool only, industrial fans</td>
<td>TC-6F</td>
<td>NEMA-12</td>
</tr>
<tr>
<td>AHP-301FF</td>
<td>0-7051-0-000</td>
<td>Cool only, industrial fans</td>
<td>EXT*</td>
<td>NEMA-12</td>
</tr>
<tr>
<td>AHP-301FFHC</td>
<td>0-7031-1-000</td>
<td>Heat/Cool, industrial fans</td>
<td>TC-3F</td>
<td>NEMA-12</td>
</tr>
<tr>
<td>AHP-301FFHC</td>
<td>0-7051-1-000</td>
<td>Heat/Cool, industrial fans</td>
<td>EXT*</td>
<td>NEMA-12</td>
</tr>
</tbody>
</table>

* Unit is set for 5-32 VDC external signal; relay(s) included
PERFORMANCE CURVE

Equation of line: $y = \Delta T(\degree C) = \frac{x}{H9004} T(\degree C)$

<table>
<thead>
<tr>
<th>Capacity (Watts)</th>
<th>Ambient Temp 20°C</th>
<th>Ambient Temp 40°C</th>
<th>Ambient Temp 60°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure Air</td>
<td>$y = 0.81x - 38.0$</td>
<td>$y = 0.81x - 42.0$</td>
<td>$y = 0.81x - 46.0$</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>$y = 0.62x - 38.0$</td>
<td>$y = 0.62x - 42.0$</td>
<td>$y = 0.62x - 46.0$</td>
</tr>
</tbody>
</table>

DIMENSIONS

* Dimension does not include hardware and sealant. Mounting hardware and gasket included but not shown. Dimensions: Inches [Millimeters]

Air Conditioner - Air Cooled

AHP-301FF

MOUNTING STYLE
Through Mounted

ENVIRONMENTS SERVED
NEMA-12 IP 52

RATING (TRADITIONAL)
180 BTU/hr @ 0 °F $\Delta T$
220 BTU/hr @ +20 °F $\Delta T$

RATING (DIN 3168)
52 Watts L35 L35
36 Watts L35 L50

Air Flow Pattern