FHP-1501 Air Conditioner

120/240 VAC Input
950 BTU/HR

FEATURES
- Externally mounted (no intrusion)
- Mounts in multi-unit array for incremental capacity
- Mounts in any orientation (condensate control may not work properly in all orientations)
- No moving parts except fans
- Environmentally safe
- No compressor, fluorocarbons or filters
- Virtually maintenance-free operation
- Stainless steel exterior housing
- Dual voltage (120/240 VAC)
- Custom finishes
- Operating ambient temperature range -40/+70 °C
- Operating enclosure temperature range -10/+60 °C
- Agency approvals: UL1995, CSA22.2, CE
- Weight 55 LBS.

POWER INPUTS

Voltage 120/240 VAC
Current, Active 8.0/5.5 AMPS

PERFORMANCE RATINGS

Cooling (Traditional) 950 BTU/HR
Cooling (Din 3168) 278 WATTS
Cooling COP (at L35 L35) 0.29

INCLUDES
- Integral power supply
- Mounting gasket and hardware
- Power input cord
- Condensate control system

CONTROL TEMPERATURES

<table>
<thead>
<tr>
<th>Temp. 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>

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>FHP-1501</td>
<td>7-2181-0-000</td>
<td>Cool only, industrial fans</td>
<td>TC-6F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-1501</td>
<td>7-21F1-0-000</td>
<td>Cool only, industrial fans</td>
<td>TC-1F</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-1501</td>
<td>7-2151-0-000</td>
<td>Cool only, industrial fans</td>
<td>EXT*</td>
<td>NEMA-12, IP 52</td>
</tr>
<tr>
<td>FHP-1501HC</td>
<td>7-2131-1-000</td>
<td>Heat/Cool, industrial fans</td>
<td>TC-3F</td>
<td>NEMA-12, IP 52</td>
</tr>
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<td>7-2151-1-000</td>
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</tr>
<tr>
<td>FHP-1501XE</td>
<td>7-2181-4-000</td>
<td>Cool only, sealed hot side fan</td>
<td>TC-6F</td>
<td>NEMA-4/4X, IP 56</td>
</tr>
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<td>FHP-1501XE</td>
<td>7-21F1-4-000</td>
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* Unit is set for 5-32 VDC external signal, relay(s) included
PERFORMANCE CURVE

Equation of line: $y = \Delta T(°C) \times$ Capacity (Watts)

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>20°C</th>
<th>40°C</th>
<th>60°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure Air</td>
<td>$y = 0.117x - 30.6$</td>
<td>$y = 0.117x - 32.6$</td>
<td>$y = 0.117x - 35.0$</td>
</tr>
<tr>
<td>Cold Sink</td>
<td>$y = 0.093x - 30.6$</td>
<td>$y = 0.093x - 32.6$</td>
<td>$y = 0.093x - 35.0$</td>
</tr>
</tbody>
</table>

DIMENSIONS

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

MOUNTING CUTOUT DIMENSIONS

Air Flow Pattern

Air Conditioner - Air Cooled

FHP-1501

MOUNTING STYLE
Flush Mounted

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

RATING (TRADITIONAL)
950 BTU/hr @ 0 °F ΔT
1270 BTU/hr @ +20 °F ΔT

RATING (DIN 3168)
278 Watts L35 L35
162 Watts L35 L50

www.thermoelectric.com  1-888-TECA-USA (832-2872)  TECA