FHP-401 Air Conditioner

Air Cooled
Flush Mounted
Nema-12

120 VAC or 240 VAC
190 BTU/HR

**FEATURES**
- Compact (only 10” X 5.86” X 9”)
- Mounts and operates in any orientation: horizontal, vertical, etc
- Low vibration and noise
- No moving parts except fans
- Environmentally safe
- No compressor, fluorocarbons or filters
- Virtually maintenance-free operation
- Stainless steel exterior housing
- Efficient heat exchanger mode (ECO-Mode)
- Suitable for NEMA-12 (IP 52) environment
- Operating ambient temperature range -40/+70 °C
- Operating enclosure temperature range -10/+60 °C
- Weight 18 LBS.

### CONTROL TEMPERATURES

<table>
<thead>
<tr>
<th>Function</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Cooling (TC-1F, TC-3F)</td>
<td>35 °C</td>
</tr>
<tr>
<td>Active Heating (TC-3F)</td>
<td>10 °C</td>
</tr>
<tr>
<td>Typical Hysteresis</td>
<td>5 °C</td>
</tr>
<tr>
<td>Operating Ambient</td>
<td>-40/+70 °C</td>
</tr>
<tr>
<td>Operating Enclosure</td>
<td>-10/+60 °C</td>
</tr>
</tbody>
</table>

### POWER INPUTS

- Voltage: 120 or 240 VAC
- Current, Active: 1.2 / 0.65 AMPS

### PERFORMANCE RATINGS

<table>
<thead>
<tr>
<th>Function</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling (Traditional)</td>
<td>190 BTU/HR</td>
</tr>
<tr>
<td>Cooling (Din 3168)</td>
<td>56 WATTS</td>
</tr>
<tr>
<td>Cooling COP (at L35 L35)</td>
<td>0.38</td>
</tr>
</tbody>
</table>

### INCLUDES
- Temperature controller
- Mounting gasket
- Mounting hardware
- Integral power input cord

### CONFIGURATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>NOTES</th>
<th>VOLTAGE VAC</th>
<th>CURRENT AMPS</th>
<th>TEMPERATURE CONTROL</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHP-401</td>
<td>7-F090-0-001</td>
<td>Cool only</td>
<td>120</td>
<td>1.2</td>
<td>None</td>
</tr>
<tr>
<td>FHP-401</td>
<td>7-F080-0-001</td>
<td>Cool only</td>
<td>120</td>
<td>1.2</td>
<td>TC-6F</td>
</tr>
<tr>
<td>FHP-401</td>
<td>7-F0F0-0-001</td>
<td>Cool only</td>
<td>120</td>
<td>1.2</td>
<td>TC-1F</td>
</tr>
<tr>
<td>FHP-401</td>
<td>7-F050-0-001</td>
<td>Cool only</td>
<td>120</td>
<td>1.2</td>
<td>EXT*</td>
</tr>
<tr>
<td>FHP-401HC</td>
<td>7-F030-1-001</td>
<td>Heat/Cool</td>
<td>120</td>
<td>1.2</td>
<td>TC-3F</td>
</tr>
<tr>
<td>FHP-402</td>
<td>7-F092-0-001</td>
<td>Cool only</td>
<td>240</td>
<td>0.65</td>
<td>None</td>
</tr>
<tr>
<td>FHP-402</td>
<td>7-F082-0-001</td>
<td>Cool only</td>
<td>240</td>
<td>0.65</td>
<td>TC-6F</td>
</tr>
<tr>
<td>FHP-402</td>
<td>7-F0F2-0-001</td>
<td>Cool only</td>
<td>240</td>
<td>0.65</td>
<td>TC-1F</td>
</tr>
<tr>
<td>FHP-402</td>
<td>7-F052-0-001</td>
<td>Cool only</td>
<td>240</td>
<td>0.65</td>
<td>EXT*</td>
</tr>
<tr>
<td>FHP-402HC</td>
<td>7-F032-1-001</td>
<td>Heat/Cool</td>
<td>240</td>
<td>0.65</td>
<td>TC-3F</td>
</tr>
</tbody>
</table>

* For controller options contact TECA; Heating function via reverse polarity (controller dependent)
**PERFORMANCE CURVE**

Equation of Line: \( y = \Delta T(\text{°C}) \times \text{Capacity (Watts)} \)

<table>
<thead>
<tr>
<th>Ambient Temp</th>
<th>30°C</th>
<th>50°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure Air</td>
<td>( y = 0.69x - 38 )</td>
<td>( y = 0.69x - 39 )</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

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