Do not connect power supply until the fan is completely installed. Disconnect power to fan prior to service or maintenance.

1. This unit has rotating parts. Safety precautions should be exercised during installation, operation and maintenance.
2. Do not use these fans in hazardous environments where the fan’s electrical system could provide ignition to combustible or flammable materials.
3. Turn centrifugal impeller by hand to make sure it rotates freely. If the impeller does not rotate freely contact Tjernlund’s customer service department at 800-255-4208.
4. Ducted fans used for exhaust applications must always be vented to the outdoors.
5. CAUTION: “For General Ventilation Use Only. Do Not Use To Exhaust Hazardous Or Explosive Materials And Vapors.”
6. Rated for air stream temperatures from 32°F (0°C) to 140°F (60°C).

IMPORTANT: All wiring must be in accordance with the National Electrical Code. Verify supply voltage and power consumption of fan are suitable for circuit fan will be added to.

GUARDS OR DUCTING ON INLET/OUTLET OF FAN MUST BE INSTALLED WHEN THE FAN IS WITHIN REACH OF PERSONNEL OR WITHIN SEVEN (7) FEET OF WORKING LEVEL OR WHEN DEEMED ADVISABLE FOR SAFETY.

<table>
<thead>
<tr>
<th>Model</th>
<th>Inlet / Outlet Diam.</th>
<th>Volts</th>
<th>Watts</th>
<th>Amps</th>
<th>Free Air CFM (0&quot; w.c.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-4</td>
<td>4&quot;</td>
<td>120</td>
<td>80</td>
<td>0.70</td>
<td>190</td>
</tr>
<tr>
<td>P-6</td>
<td>6&quot;</td>
<td>120</td>
<td>131</td>
<td>1.15</td>
<td>400</td>
</tr>
<tr>
<td>P-8</td>
<td>8&quot;</td>
<td>120</td>
<td>175</td>
<td>1.75</td>
<td>675</td>
</tr>
</tbody>
</table>

Motors have Class B Thermal protection.
**INSTALLATION INSTRUCTIONS**

**NOTE:** Electrical cord is 4.5 feet.

1. Cut and adhere foam gasket on inlet and outlet collars of fan, (See Diagram A).

2. Make sure fan is mounted with air flow direction arrow pointing in the right direction. The air flow exits opposite motor side, (See Diagram B).

3. Fasten mounting bracket against a solid surface with proper orientation and air flow direction in mind, (See Diagram C).

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**INTERNAL WIRING**

If it is necessary to hard-wire fan, remove power cord and follow diagram below. **IMPORTANT:** All wiring must be in accordance with the National Electrical Code. Verify supply voltage and power consumption of fan are suitable for circuit fan is wired to.

**MODEL SCP SPEED CONTROL**

The optional SCP Speed Control is a convenient and easy way to vary the speed of the P-Series fans. The SCP is factory calibrated for use with Tjernlund’s M & P series high pressure fans. Plug fan into speed control and plug speed control into 115 VAC outlet.

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**OPTIONAL PS1503 DUCT AIRSTAT SWITCH**

The Tjernlund PS1503 Duct Airstat is used to automatically activate Duct Booster® fans by sensing positive pressure in a forced air heating and/or cooling system. The single pole, single throw, snap-acting switch is activated by a diaphragm with a factory installed sampling probe inserted directly into the duct or plenum.