ENERGY CONSERVATION
PlymoVent’s mission is to design energy efficient products. PlymoVent utilizes as standard equipment Energy Efficient Motors. This standard in conjunction with our new design produces the lowest operating cost fan package offered in the world today. If you have an existing fan, you can replace it with a PlymoVent and reduce your operating costs and in turn receive a return on your investment. Not many other products can stand behind that claim.

POWER CONSUMPTION
PlymoVent fans require less kW versus air volume delivered. This does not only equate to less power consumption but also less installation cost. This allows the electrical installer to reduce the cost of installation by reducing the associated components required to run the motor.

EASY ACCESS IMPELLER
All PlymoVent fan housings are designed for easy access to the impeller. Our design allows an installer or service technician to remove the motor and impeller wheel without removing inlet or outlet duct-work or disassembling the fan housing. It also provides the installer the option of separating the fan into two pieces when mounting in confined locations above drop ceilings or tight access ways.

AIRFOIL IMPELLER
PlymoVent in co-operation with an internationally recognized university, has designed the ultimate airfoil fan impeller. Through the use of aerospace design techniques, PlymoVent has been successful in designing a fan impeller that maximizes air delivery at higher static pressures and reduces energy consumption at the same time. PlymoVent fans deliver the air volume you need at 30% less energy required over any competitive fan.
TECHNICAL DATA

Fan specifications
- Construction: AMCA Type - B
- Drive type: Direct drive
- Impeller type: Backward incline
- Impeller material: Aluminum
- Impeller diameter: 16.3 inch
- Impeller width: 2.32 inch
- Hub size: 1 1/8 inch
- Discharge style: Rotational 90°
- Shaft seal: Rubber
- Housing material: Galvanized steel
- Housing finish: Epoxy powder coat
- Total fan weight: 175 lbs

Motor specifications
- Frame size: NEMA 184TC
- Motor type: TEFC (IP 55)
- Rated output: 5.0 HP
- Thermal protection: No
- CSA: Yes
- CE-listed: Yes
- Continuous duty: 104°F/40°C

3 phase motor
- Voltage: 208-230/460 V
- Full load current: 13.0-11.8/5.90A
- Motor RPM: 3480
- Service factor: 1.25

1 phase motor
- Voltage: 208-230 V
- Full load current: 21.0/10.5A
- Motor RPM: 3490
- Service factor: 1.15

Electrical power is available for all international electrical power sources.

SOUND POWER DATA

<table>
<thead>
<tr>
<th>Speed</th>
<th>Pressure in wg</th>
<th>Octave Band (Hz)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>63 Hz</td>
<td>125 Hz</td>
</tr>
<tr>
<td>3500</td>
<td>0</td>
<td>105</td>
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<td>107</td>
</tr>
<tr>
<td>3500</td>
<td>5</td>
<td>106</td>
</tr>
</tbody>
</table>

Performance shown is for installation type D: Ducted inlet, Ducted outlet. The sound power level ratings shown are in decibels, referred to 10-12 watts calculated per AMCA standard 301. Values are shown for inlet LwA sound power levels for installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.