MATERIAL

2. Material

2.1. Frame : Thermoplastic PBT of UL 94V-0

2-2. Impeller : Thermoplastic PBT of UL 94V-0

2-3. Lead Wire : UL3266, 24awg, GRAY


DISCLAIMER:
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED
HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE
BELIEVE TO BE ACCURATE AND RELIABLE. SINCE
CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE
USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT
FOR THE INTENDED USE AND ASSUME ALL RISK AND
LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

TOLERANCES: UNLESS OTHERWISE
SPECIFIED, DIMENSIONS ARE
FOR REFERENCE
PURPOSES ONLY.

DRAWN BY: LG 05-08-08
CHECKED BY: JN 05-08-08
APPROVED BY: JN 05-08-08

DRAWING TITLE: Axial AC Fan

SIZE: B
DWG. NO: MC21683
ELECTRONIC FILE: 14M9039.dwg
REV: A

SCALE: NTS
U.O.M: INCHES [mm]
SHEET: 1 OF 4
PERFORMANCE CURVES

STATIC PRESSURE

mm-H2O  Inch-H2O

0  0.10  0.20

0  25  50

CFM

50 HZ

60 HZ

n³/min

0  0.71  1.42

RoHS Compliant
### SPECIFICATIONS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1. Rated Voltage</td>
<td>220-240 VAC 50 Hz</td>
</tr>
<tr>
<td>1-2. Operating Voltage Range</td>
<td>150-250 VAC</td>
</tr>
<tr>
<td>1-3. Starting Voltage</td>
<td>150 VAC (25deg.C POWER ON/OFF)</td>
</tr>
<tr>
<td>1-4. Rated Speed</td>
<td>2900 RPM ± 20%</td>
</tr>
<tr>
<td>1-5. Air Delivery</td>
<td>52 CFM</td>
</tr>
<tr>
<td>1-6. Static Pressure</td>
<td>0.12 Inch-H2O</td>
</tr>
<tr>
<td>1-7. Rated Current</td>
<td>220 mA (RMS)</td>
</tr>
<tr>
<td></td>
<td>103 mA (TRUE RMS)</td>
</tr>
<tr>
<td>1-8. Rated Power</td>
<td>4.6 WATTS</td>
</tr>
<tr>
<td>1-9. Noise Level</td>
<td>31 dB(A)</td>
</tr>
<tr>
<td>1-10. Direction of Rotation</td>
<td>Counter-clockwise viewed from front of fan blade</td>
</tr>
<tr>
<td>1-11. Operating Temperature</td>
<td>-10 to +70 deg. C</td>
</tr>
<tr>
<td>1-12. Storage Temperature</td>
<td>-40 to +70 deg. C</td>
</tr>
<tr>
<td>1-13. Bearing System</td>
<td>Vapo bearing system</td>
</tr>
<tr>
<td>1-14. Weight</td>
<td>119.7g</td>
</tr>
<tr>
<td>1-15. Safety</td>
<td>UL/CUR Approvals</td>
</tr>
</tbody>
</table>
| 1-16. Vibration | Vibration of acceleration 1.5G and frequency 5-50-5Hz is applied in all 3 directions(X,Y,Z), in cycles of 1 minute each, for a total vibration time of 30 minutes.
CHARACTERISTICS

1. Motor Design  : DC brushless 4 pole motor design.
2. Insulation Resistance : 10Megohms minimum at 500 VDC
3. Dielectric Strength : 1500 VAC for one second.
5. Noise Level : Measured in a semi-anechoic chamber with background noise level below 15 dB(A). The fan is running in free air with the microphone at a distance of one meter from the fan intake.
6. Tolerance : ±15% on rated power and current.
7. Air Performance : Measured by a double chamber. The values are recorded when the fan speed has stabilized at rated voltage.

RoHS Compliant