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SPC-F005.DWG

REVISIONS

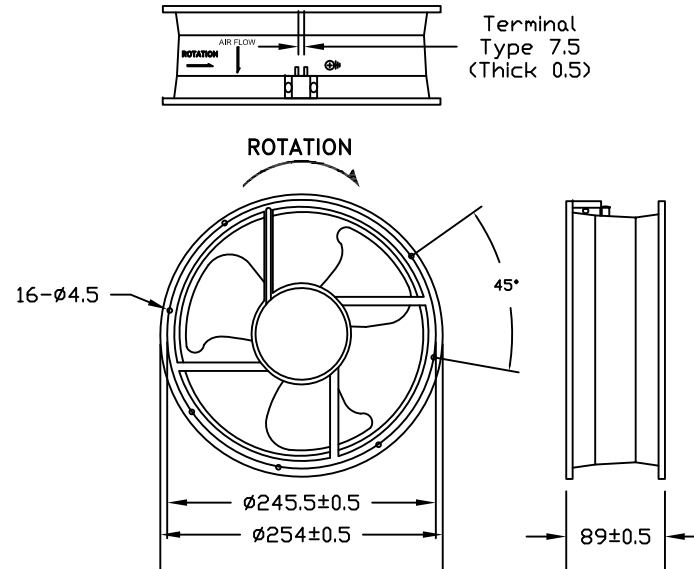
DOC. NO. SPC-F005 \* Effective: 7/8/02 \* DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
xx	A	RELEASED	LG	23-07-08	LG	23-07-08	LG	23-07-08
2059	B	Safety Information Added	JN	7/09/09	JWM	7/09/09	JWM	7/09/09

MATERIAL

Frame : DIE-CAST ALUMINUM

Impeller : PC of UL 94V-0



Air Flow Direction: Toward Label side



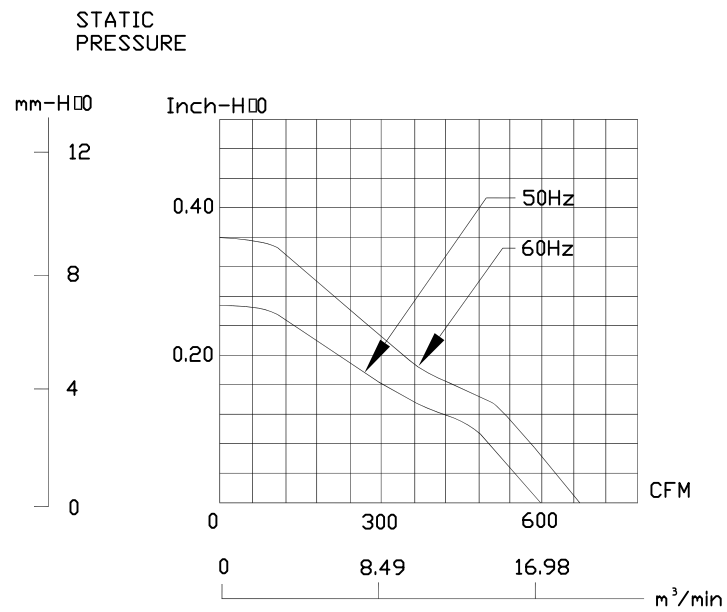
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ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE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

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

DRAWN BY:	DATE:
LG	23-07-08
CHECKED BY:	DATE:
JN	23-07-08
APPROVED BY:	DATE:
JN	23-07-08

DRAWING TITLE:			
Axial AC Fan			
SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	MC21678	14M9034.DWG	B
SCALE:	NTS	U.O.M.: INCHES [mm]	SHEET: 1 OF 5

## PERFORMANCE CURVES



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SIZE  
**A**

DWG. NO.  
**MC21678**

ELECTRONIC FILE  
**14M9034**

REV

## SPECIFICATIONS

1-1. Rated Voltage	:	115 VAC 50/60 HZ
1-2. Operating Voltage Range	:	75-125 VAC
1-3. Starting Voltage	:	75 VAC (25 deg. C POWER ON/OFF)
1-4. Rated Speed	:	1400/1600 RPM $\pm$ 10%
1-5. Air Delivery	:	600/665 CFM
1-6. Static Pressure	:	0.27/0.36 Inch-H <sub>2</sub> O
1-7. Rated Current	:	0.23/0.23 AMP
1-8. Rated Power	:	26/23 WATTS
1-9. Noise Level	:	50/52 dB(A)
1-10. Direction of Rotation	:	Counter-clockwise viewed from front of fan blade
1-11. Operating Temperature	:	-10 to +70 deg. C
1-12. Storage Temperature	:	-40 to +70 deg. C
1-13. Bearing System	:	Precision ball bearing system
1-14. Weight	:	2000g
1-15. Safety	:	UL/CUR Approvals
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.



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SIZE DWG. NO.

A

MC21678

ELECTRONIC FILE

14M9034

REV

## CHARACTERISTICS

- |                          |   |   |
|--------------------------|---|---|
| 1. Motor Design          | : | Reliable Alveolate Motor Construction.  |
| 2. Insulation Resistance | : | 500 Megohms minimum at 500 VDC.   |
| 3. Dielectric Strength   | : | 1800 VAC for one second.  |
| 4. Motor Protection      | : | Thermal protected.  |
| 5. Noise Level           | : | Measured in a semi-anechoic chamber<br>with background noise level below 15<br>dB(A).The fan is running in free air with the<br>microphone at a distance of one meter<br>from the fan intake. |
| 6. Tolerance             | : | ±15% on rated power and current.  |
| 7. Air Performance       | : | Measured by a double chamber. The values<br>are recorded when the fan speed has stabilized<br>at rated voltage.   |



## I . Safety

1. Multicomp will not guarantee this product if your application exceeds the limitations outlined in this specification.
2. There is no thermo-protector installed in this product, such as thermo-fuse, or current-fuse or thermo-protector. There may be smoking, ignition, or electric shock by insulation degradation in cases of motor lock, motor lead short circuit, overload, over voltage, and/or other failure. Please add the protection circuit to your product.
3. There is no reverse-connection prevention diode of VDC (+) and GND (-) installed in this product. Therefore, if VDC(+) and GND(-) are reverse connected, it may cause smoking, ignition, and/or destruction, although these conditions may not manifest immediately. We recommend that a protection device be installed on your product when there is a possibility of reverse-connection.
4. Please verify that this product is being installed and used in compliance with all safety standards. Please inform Multicomp of any safety concerns prior to releasing your product to production.
5. Please handle and install this product carefully. Hitting or dropping this product may cause damage.
6. Please do not damage this product including coil and lead wires while installing or wiring. There may be smoking or fire.

## III . Other

1. When building your device, please examine thoroughly any variation of EMC, temperature rise, life data, quality, etc. of this product by shock/drop/vibration testing, etc. If there are any problems or accidents in connection with this product, it should be mutually discussed and examined.
2. Fan holders or bearings may be damaged if touched with fingers or other objects. Additionally, static electricity (ESD) may damage the internal circuits. Please handle this product carefully.
3. Please avoid operating Multicomp's product in poisonous material (organic silicon, cyanogens, formalin, phenol, etc.) or corrosive gas environments (H<sub>2</sub>S, SO<sub>2</sub>, NO<sub>2</sub>, Cl<sub>2</sub>, etc).
4. Multicomp does not warrant performance safety against accidents caused by dust, water, droplets, dew, bugs, etc.
5. Please advise us in advance if you require documents for export.
6. Improper mounting may cause harsh resonance, vibration, and noise. Please mount securely.
7. Safety is a top priority. Please furnish guard accessories to prevent injury to personnel.
8. Unless otherwise noted, all tests are conducted at 25°C ambient temperature and 65% relative humidity.
9. Always ensure that fans are stored according to the storage temperatures specified. Do not store in a high humidity environment. If the fans are stored for more than 6 months, Multicomp recommends functional testing before using.
10. Multicomp reserves the right to use components with equivalent specifications from multiple sources.