Multicomp

SPC-F005.DWG

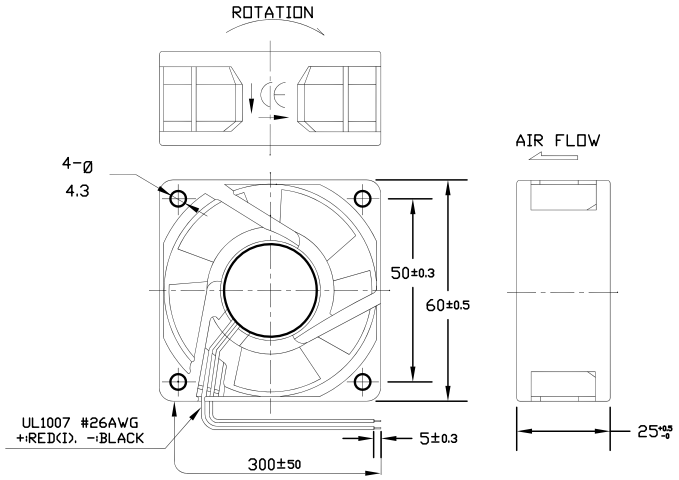
REVISIONS

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

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
XX	A	RELEASED	LG	12-08-08	LG	12-08-08	LG	12-08-08
2067	B	Listing Info Updated	JN	08-25-09	JN	08-25-09	JN	08-25-09

MATERIAL

2-1. Frame	:	Thermoplastic PBT of UL 94V-0
2-2. Impeller	:	Thermoplastic PBT of UL 94V-0
2-3. Bobbin	:	Thermoplastic PBT of UL 94V-0
2-4. Lead Wire	:	UL1007, 26 awg, +RED, -BLACK



1. Air Flow Direction : Toward label side.
2. Best Mounting Direction : Any orientation.

RoHS Compliant

Units:mm

TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
LG	12-08-08
CHECKED BY:	DATE:
LG	12-08-08
APPROVED BY:	DATE:
LG	12-08-08

DRAWING TITLE: DC BRUSHLESS FAN

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	MC23299	75M2187	B

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

CHARACTERISTICS

1. Motor Design	:	DC brushless 4 pole motor design.
2. Insulation Resistance	:	More than 10M ohm between internal stator and lead wire(+) measured at DC 500V.
3. Dielectric Strength	:	Applied AC 500V for one minute or AC 600V for 2 seconds between housing and lead wire (+)
4. 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.
5. Input Power, Current & Speed	:	Measured after continuous 10 minute operation at rated voltage in clean air, and at ambient temperature of 25 degree C.
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.

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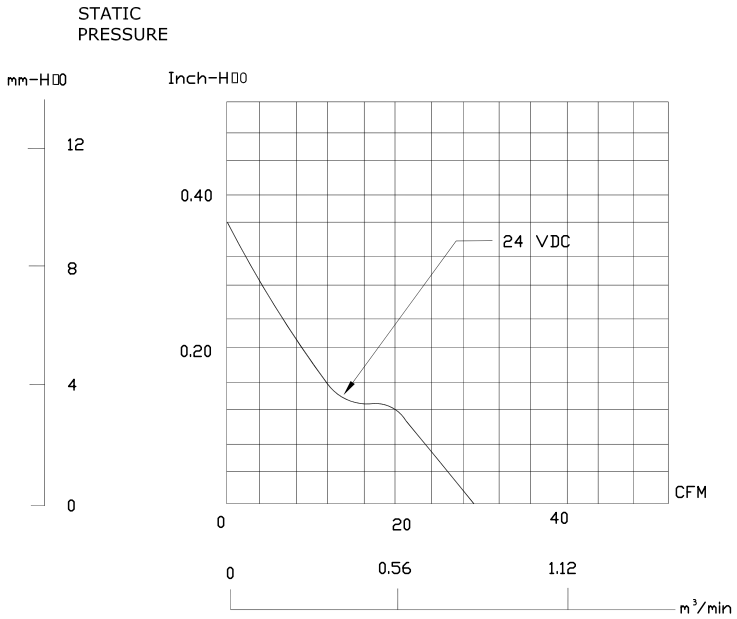
PERFORMANCE CURVES



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

SCALE: NTS | U.O.M.: Millimeters | SHEET: 3 OF 4

SPECIFICATIONS

1-1. Rated Voltage	:	24 VDC
1-2. Operating Voltage Range	:	10~27.6 VDC
1-3. Starting Voltage	:	10 VDC (25 deg. C POWER ON/OFF)
1-4 Rated Speed	:	5600 RPM ± 15%
1-5. Air Delivery	:	29.0 CFM
1-6. Static Pressure	:	0.36 Inch-H2O
1-7. Rated Current	:	104 mA
1-8. Rated Power	:	2.5 WATTS
1-9. Noise Level	:	38.0 dB(A)
1-10. Direction of Rotation	:	Counter-clockwise viewed 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	:	75g
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.
1-17. Locked Rotor Protection	:	Automatic Restart Capacity Note: In a situation where the fan is locked by a external force while the electricity is on, an increase in coil temperature will be prevented by temporarily turning off the electrical power to the motor. The fan will automatically restart when the locked rotor condition is released.

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