

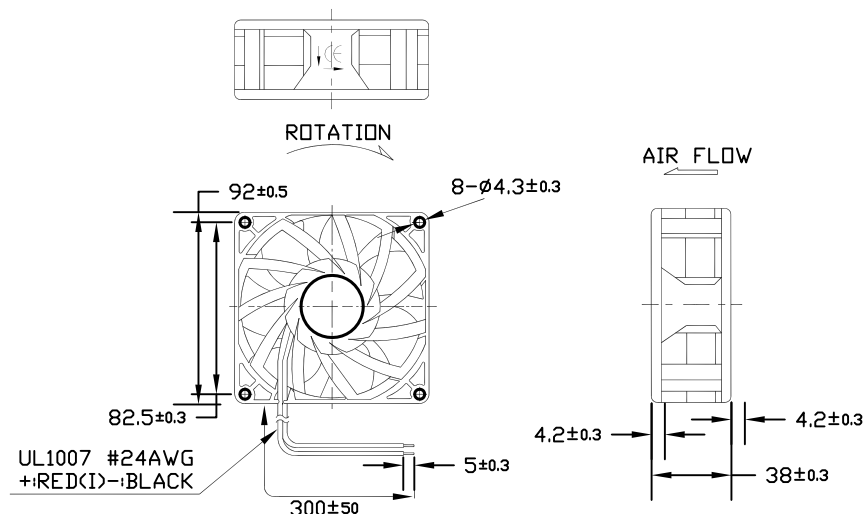
REVISIONS

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

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
XX	XX	XXXX	XXXX	10-08-08	XXXX	10-08-08	XXXX	10-08-08
XXXX	XXXX		XXXX	10-08-08	XXXX	10-08-08	XXXX	10-08-08

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, 24awg, +RED, -BLACK



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

Units:mm



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:	DATE:
XXXX	10-08-08
CHECKED BY:	DATE:
XXXX	10-08-08
APPROVED BY:	DATE:
XXXX	10-08-08

DRAWING TITLE:

DC BRUSHLES FAN

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	MC32923	71P8701	
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

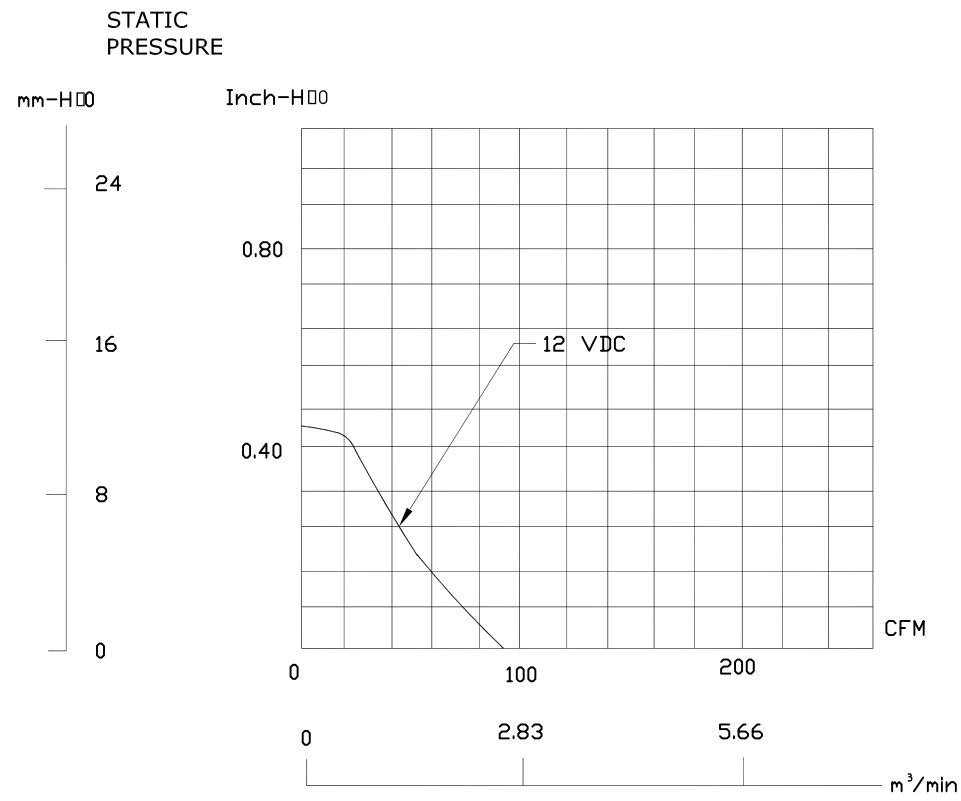
at ambient temperature of 25 degree C. |
| 6. Tolerance | : | ±15% on rated power and current. |
| 7. Air Performance | : | Measured by a double chamber. The values

are recorded when the fan speed has stabilized

at rated voltage. |



PERFORMANCE CURVES



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SPC-F005.DWG DDC. 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	:	12 VDC
1-2. Operating Voltage Range	:	6~13.8 VDC
1-3. Starting Voltage	:	6 VDC (25 deg. C POWER ON/OFF)
1-4. Rated Speed	:	3800 RPM $\pm$ 10%
1-5. Air Delivery	:	91.7 CFM
1-6. Static Pressur	:	0.43 Inch-H ₂ O
1-7. Rated Current	:	0.47 AMP
1-8. Rated Power	:	5.6 WATTS
1-9. Noise Level	:	50.3 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	:	2 ball bearing system
1-14. Weight	:	190g
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.

