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SUNON

SPECIFICATION FOR APPROVAL

CUSTOMER :
DESCRIPTION : DC BRUSHLESS FAN
DIMENSIONS : 80X80X25 mm
MODEL : KDE1208PTBX-6A
P/N : 318
APPROVED NO :
APPROVED BY :
(AUTHORIZED)



DAWN.	<i>Yuchen 4/17</i>	CHKD.	<i>Kiddy 8/18</i>	APPD.	<i>Power 7/8</i>	SPEC. NO.	D801307
						ISSUE DATE	04.17.2000
						EDITION	0
						REVISE DATE	
						E.SPEC	ED80168
建準電機工業股份有限公司 SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD. 12FL., 120 CHUNG CHENG 1ST RD., TEL:886-7-7163069(41 LINES) KAOHSIUNG, TAIWAN, R. O. C. FAX:886-7-7163086~89							

DC BRUSHLESS FAN
MODEL : KDE1208PTBX-6A
P/N : 318

CHARACTERISTICS

- | | | |
|---------------------------------|---|---|
| 1. Motor Design | : | Patented single-coil DC brushless 6 poles motor design. |
| 2. Insulation Resistance | : | More than 500M ohm between internal stator and lead wire(+) measured by 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 an semi-anechoic chamber with background noise level below 15 dB(A). The fan is running in free air with microphone at a distance of one meter from the fan intake. |
| 5. Input power, Current & Speed | : | Measured after continuous 30 minutes operation at rated voltage in clean air at ambient temperature of 25 degrees C. |
| 6. Tolerances | : | ±15% on rated power and current. |
| 7. Motor Protection | : | Polarity protected & Locked rotor protected |
| 8. Air Performance | : | Measured by a double chamber. The value are recorded when the fan speed is stabilized at rated voltage. |



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SPEC.NO	D801307	REVISE DATE	89. 5. 08
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P A G E	2 O F 6		

SPECIFICATIONS

MODEL : KDE1208PTBX-6A

P/N : 318

- 1-1. Rated Voltage : 12 VDC
- 1-2. Operating Voltage Range : 10.2-13.8 VDC
- 1-3. Starting Voltage : 8 VDC
- 1-4. Rated Speed : 3900 RPM $\pm$ 250 RPM
- 1-5. Air Delivery : 50.6 CFM
- 1-6. Static Pressure : 0.30 Inch-H₂O
- 1-7. Rated Current : 0.36 AMP
- 1-8. Rated Power : 4.3 WATTS
- 1-9. Noise Level : 40.5 dB(A)
- 1-10. Direction of Rotation : Counter-clockwise viewed front fan blade
- 1-11. Operating Temperature : -10 to +70 Deg.C
- 1-12. Storage Temperature : -40 to +70 Deg.C
- 1-13. Bearing System : Precise ball bearing system
- 1-14. Weight : 100g
- 1-15. Vibration : Vibration of acceleration 1.5G and Frequency 5~50~5Hz is applied in the 3 directions(X,Y,Z) for 30 minutes, each Direction at the cycle of 1 minute.

1-16. Locked Rotor Protection Automatic Restart Capability

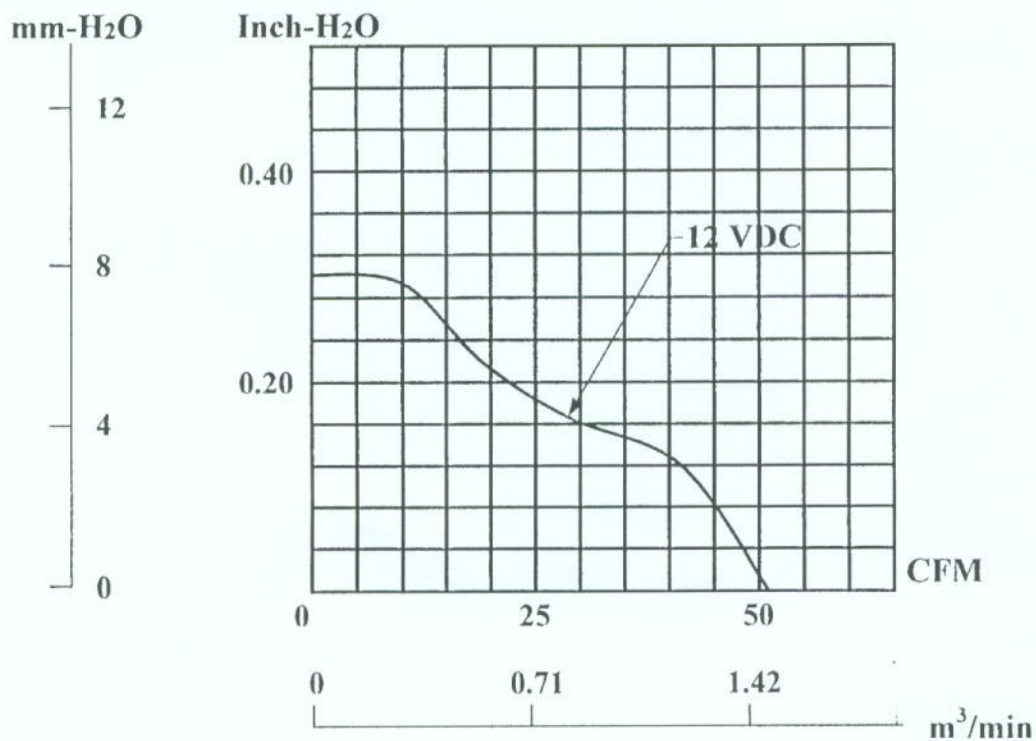
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SPEC.NO	D801307	REVISE DATE	89. 5. 08
ISSUE DATE	04. 17. 2000	EDITION	發行章
PAGE	3 OF 6		

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PERFORMANCE CURVES

STATIC
PRESSURE

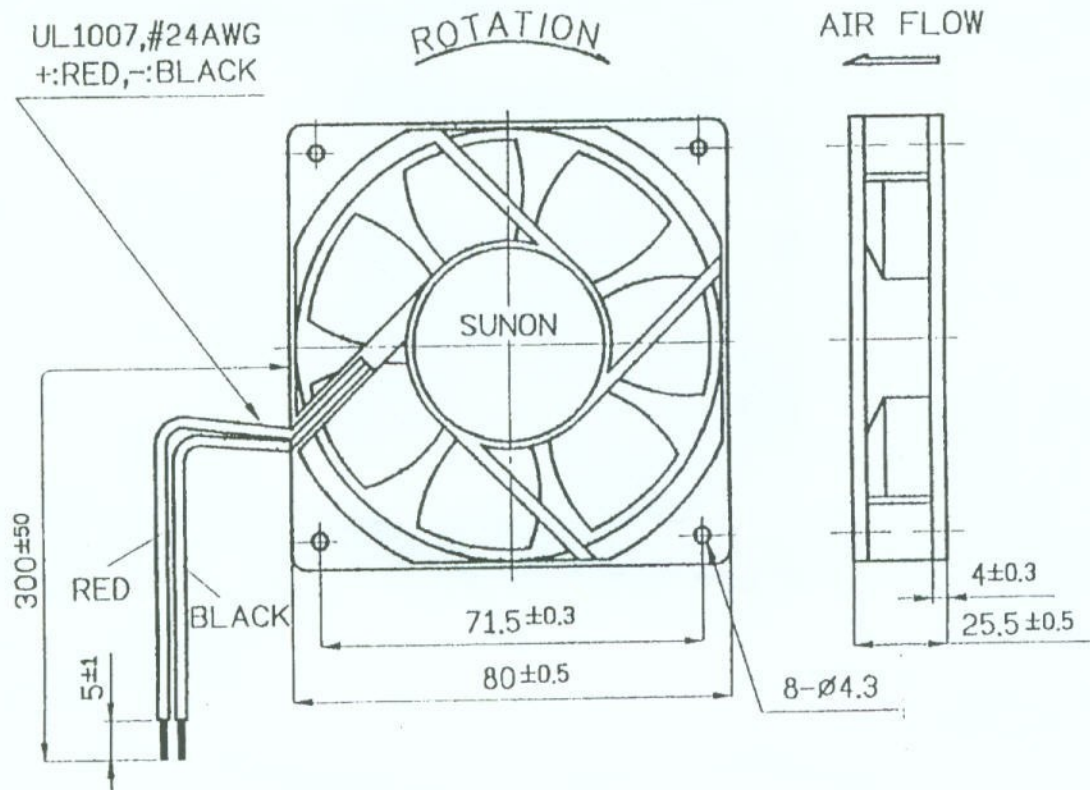
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SPEC.NO	08111301
ISSUE DATE	04.11.2000
PAGE	4 OF 6

REVISE DATE	89. 5. 08
EDITION	發行章

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

DIMENSIONS

1. Air Flow Direction: Label side.

2. The Best Mounting Direction: In any orientation.



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SPEC.NO	D80130
ISSUE DATE	04.17.2000
PAGE	5 OF 6

REVISE DATE 89.5.08

EDITION 30