



SPECIFICATION FOR APPROVAL

CUSTOMER	:	EME/DELCO
DESCRIPTION	:	DC BRUSHLESS FAN
DIMENSIONS	:	30X30X10 mm
M O D E L	:	KDE1203PFB2-8(V)
APPROVED NO	:	
APPROVED BY	:	
(AUTHORIZED)		

暫定規程

DAWN.	Yuchen 2/23	CHKD.	Kidley 3/4	APPD.	 35:99	SPEC.NO	Y802011
						ISSUE DATE	02.23.1999
						EDITION	0
						REVISE DATE	
						E.SPEC	YE30008

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. on FAX:886-7-7163086~89

DC BRUSHLESS FAN
MODEL: KDE1203PFB2-8(V)

CHARACTERISTICS

1. Motor Design

:

Patented single-coil DC brushless 8 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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	ISSUE DATE	02. 23. 1999	E D I T I O N	0
	P A G E	2 O F 6		

SPECIFICATIONS

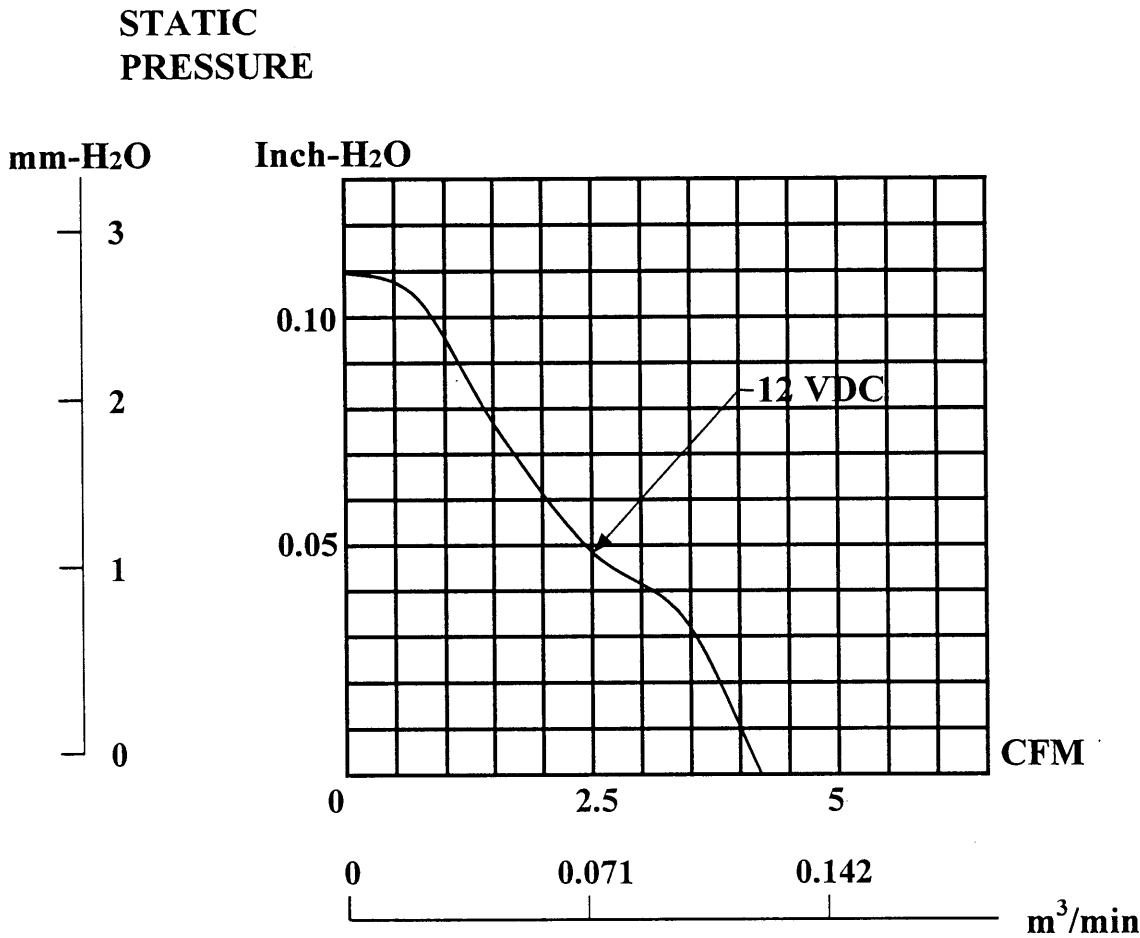
MODEL: KDE1203PFB2-8(V)

1-1. Rated Voltage	:	12 VDC
1-2. Operating Voltage Range	:	10.2-13.8 VDC
1-3. Starting Voltage	:	8 VDC
1-4. Speed (Reference Value)	:	7000 RPM
1-5. Air Delivery	:	4.2 CFM
1-6. Static Pressure	:	0.11 Inch-H ₂ O
1-7. Rated Current	:	0.06 AMP
1-8. Rated Power	:	0.7 WATTS
1-9. Noise Level	:	20.5 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	:	7.5g
1-15. Safety	:	UL/CUR/TUV/CE Approvals
1-16. 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.

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	ISSUE DATE	02. 23. 1999	E D I T I O N	01
	P A G E	3 O F 6		規格

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PERFORMANCE CURVES



建準電機工業股份有限公司 SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.	SPEC.NO	Y802011	REVISE DATE	
	ISSUE DATE	02. 23. 1999	E D I T I O N	0
	P A G E	4 O F 6		

MATERIAL

- 2-1. Frame

:

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

:

Thermoplastic PBT of UL 94V-0
- 2-3. Bobbin

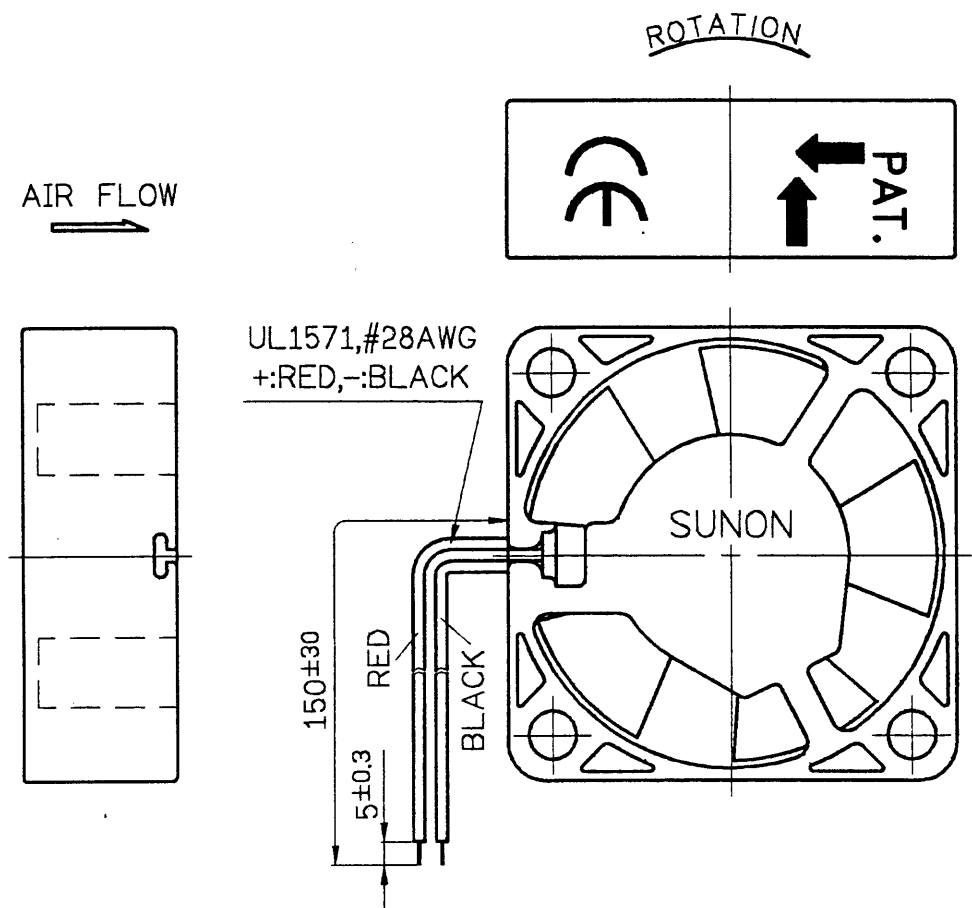
:

Thermoplastic PBT of UL 94V-0
- 2-4. Lead Wire

:

UL1571,28AWG,+RED;-BLACK

DIMENSIONS



- 1.Air Flow Direction: Label side.
- 2.The Best Mounting Direction: In any orientation.

UNITS : mm

新規格

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	ISSUE DATE	02. 23. 1999	E D I T I O N	0
	P A G E	5 O F 6		

Notes

- 1. SUNON will not guarantee the products if the application of our products is exceeded the limitation which is specified on this specification.
- 2. In case of change of the specification specified on this document, a written notice is requested in advance.
- 3. Please do not touch the impeller with pressure and never bring the fan with lead wire. The bearings and lead wire may be damaged.
- 4. No guarantee on the products against the safety problem or failure caused by powder dust, drop of water or insect.
- 5. If there is any data or related documentation different from this data sheet, this data sheet is the principal reference.
- 6. For the purpose of MIS, please indicate SPEC No. on every order.
- 7. In case of the fan has no polarity protection function, wires with same color (electrode) must be connected together during the assembly. (i.e. red + red, black + black) or the fan will be damaged immediately.
- 8. Please do not use the fan in the environment of corrosive gas or liquid or any detrimental gas.
- 9. Please do not store the fan in the environment of high / low temperature, high humidity or any detrimental gas. Please store the fan within 6 months, every 6 months, there shall be a linkage of electric current to the fan, even though the fan is stored in room temperature.
- 10. While the fan is in operation, please do not lock the fan intentionally for a long period of time, since the continuous stoppage will result in over-heat and thus burn-out of the fan.
- 11. During the installation of the fan, please pay substantial attention to possible noise cause by resonance vibration and vibration.
- 12. During the testing of the fan, please be sure to use finger guard to insure safety.

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	P A G E	6 O F 6		