

DC BRUSHLESS FAN

MODEL: KDE2408PTS1-6

CHARACTERISTICS

1. Input power , Current & Speed : Measured after continuous 30 minutes operation at rated voltage in clean air at ambient temperature of 25 degrees C.
2. Noise Level : Measured in an semi-anechoic chamber with background noise level below 15 dBA. The fan is running in free air with microphone at a distance of one meter from the fan intake.
3. Dielectric Strength : Applied AC 500V for one minute or AC 600V for 2 seconds between housing and lead wire(+)
4. Motor Design : Patented single-coil DC brushless 6 poles motor design.
5. Insulation Resistance : More than 500M ohm between internal stator and lead wire(+) measured by DC 500V.
6. Tolerances : $\pm 15\%$ 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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SPECIFICATIONS

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1-1. Rated Voltage	:	24 VDC
1-2. Operating Voltage Range	:	20.4-27.6 VDC
1-3. Starting Voltage	:	16 VDC
1-4. Rated Speed	:	3000 RPM $\pm$ 250 RPM
1-5. Air Delivery	:	41.7 CFM
1-6. Static Pressure	:	0.18 Inch-H ₂ O
1-7. Rated Current	:	0.15 AMP
1-8. Rated Power	:	3.6 WATTS
1-9. Noise Level	:	34 dB(A)
1-10. Direction of Rotation	:	Clockwies viewed from front face
1-11. Operating Temperature	:	-10 to +70 Deg.C
1-12. Storage Temperature	:	-40 to +80 Deg.C
1-13. Bearing System	:	Lubricated sleeve bearing system
1-14. Weight	:	120g
1-15. Safety	:	UL/CUR Approvals

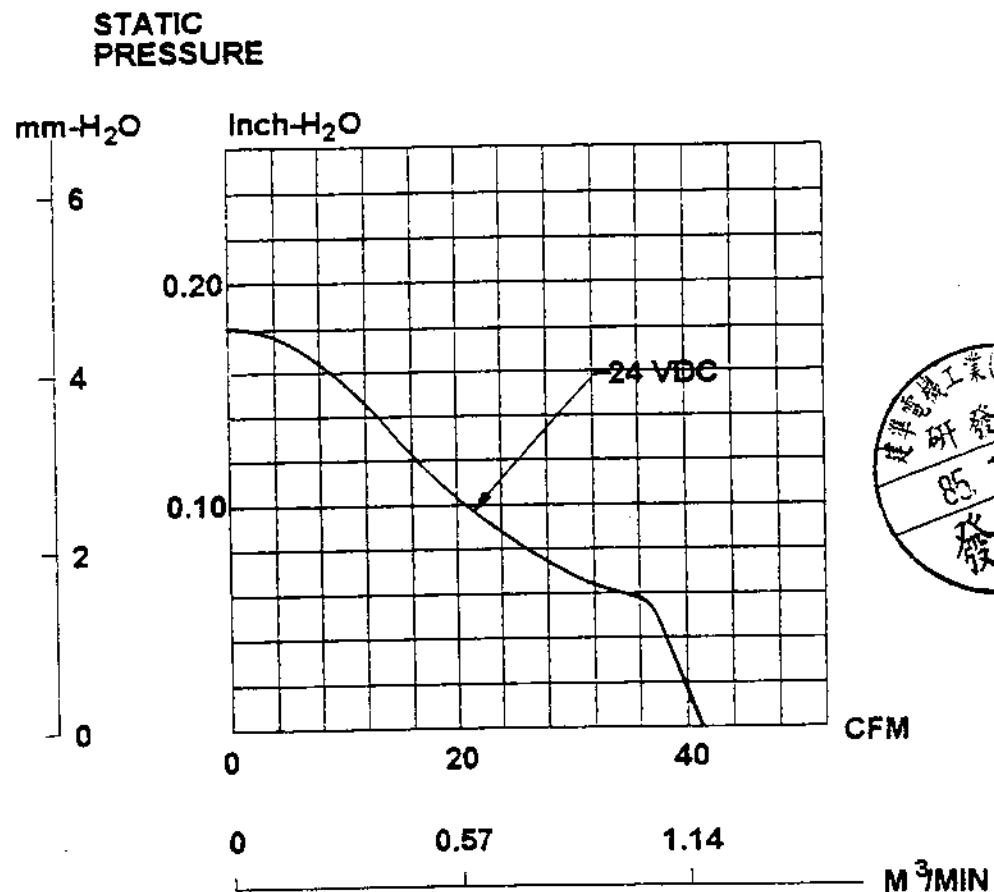


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PERFORMANCE CURVES



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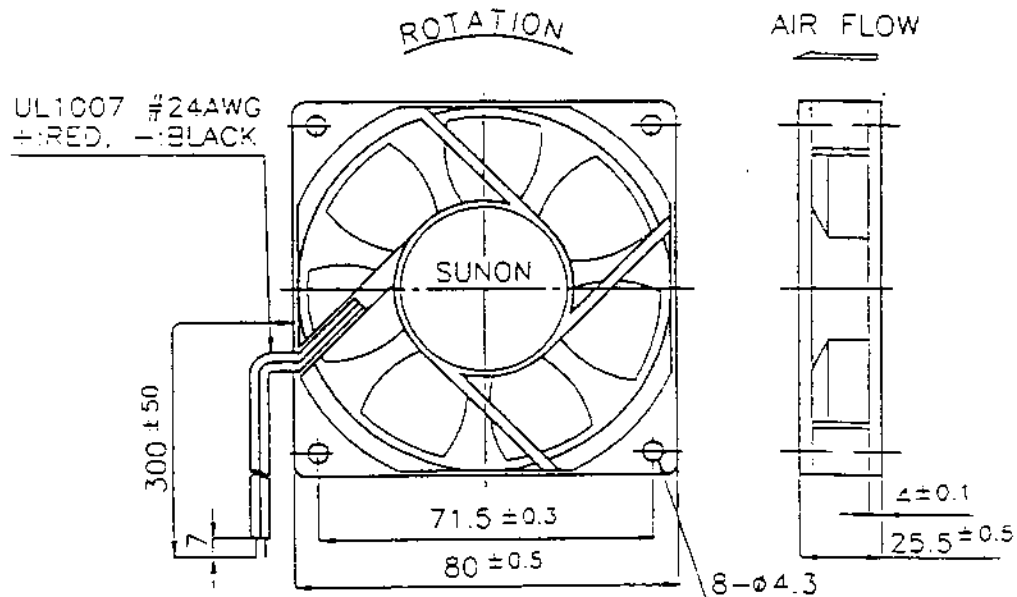
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MATERIAL

- 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

UNIT : mm