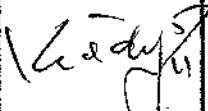
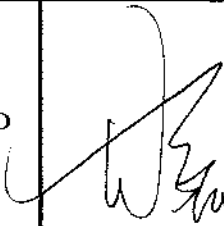


# SUNON

## SPECIFICATION FOR APPROVAL

**CUSTOMER** :  
**DESCRIPTION** : AXIAL AC FAN  
**DIMENSIONS** : 80X80X25 mm  
**MODEL** : SF23080AT  
**P/N** : 2082HBL.GN  
**SUNON SPEC. NO.** : A08000570G-00  
**APPROVAL NO.** :  
**APPROVED BY** :  
(AUTHORIZED)

DRAWN	Hanna 5/10	CHECKED	APPROVED			SPEC.NO	A08000570G-00
						ISSUE DATE	05.10.2005
						EDITION	0
						REVISION DATE	
						E.SPEC	EA80034

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



**AXIAL AC FAN**  
**MODEL : SF23080AT**  
**P/N : 2082HBL.GN**

**CHARACTERISTICS**

- 1. Motor Design** : **Reliable Shaded-Pole Motor Construction.**
- 2. Insulation Resistance** : **500 Megohms minimum at 500 VDC.**
- 3. Dielectric Strength** : **1500 VAC for one second.**
- 4. Motor Protection** : **Impedance protected.**
- 5. 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.**
- 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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**SPECIFICATIONS**

**MODEL : SF23080AT**  
**P/N : 2082HBL.GN**

- 1-1. Rated Voltage : 220-240 VAC 50/60 Hz
- 1-2. Operating Voltage Range : 185-245 VAC
- 1-3. Starting Voltage : 185 VAC
- 1-4. Rated Speed : 2450/2900 RPM  $\pm$  10%
- 1-5. Air Delivery : 18/22 CFM
- 1-6. Static Pressure : 0.13/0.19 Inch-H<sub>2</sub>O
- 1-7. Rated Current : 0.07/0.07 AMP
- 1-8. Rated Power : 14/13.5 WATTS
- 1-9. Noise Level : 30/34.5 dB(A)
- 1-10. Direction of Rotation : Counter-clockwise viewed from 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 : 260 g
- 1-15. Safety : TUV/UL/CUR/CE 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.

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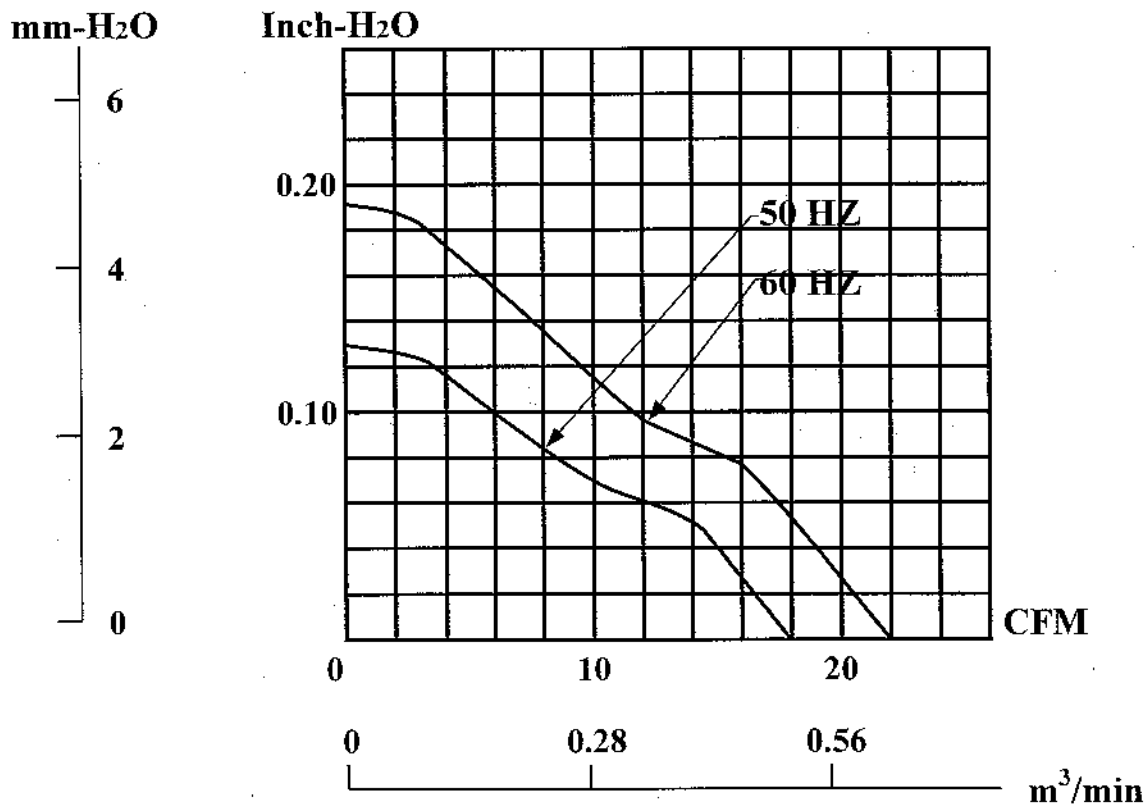


MODEL : SF23080AT

P/N : 2082HBL.GN

PERFORMANCE CURVES

STATIC PRESSURE



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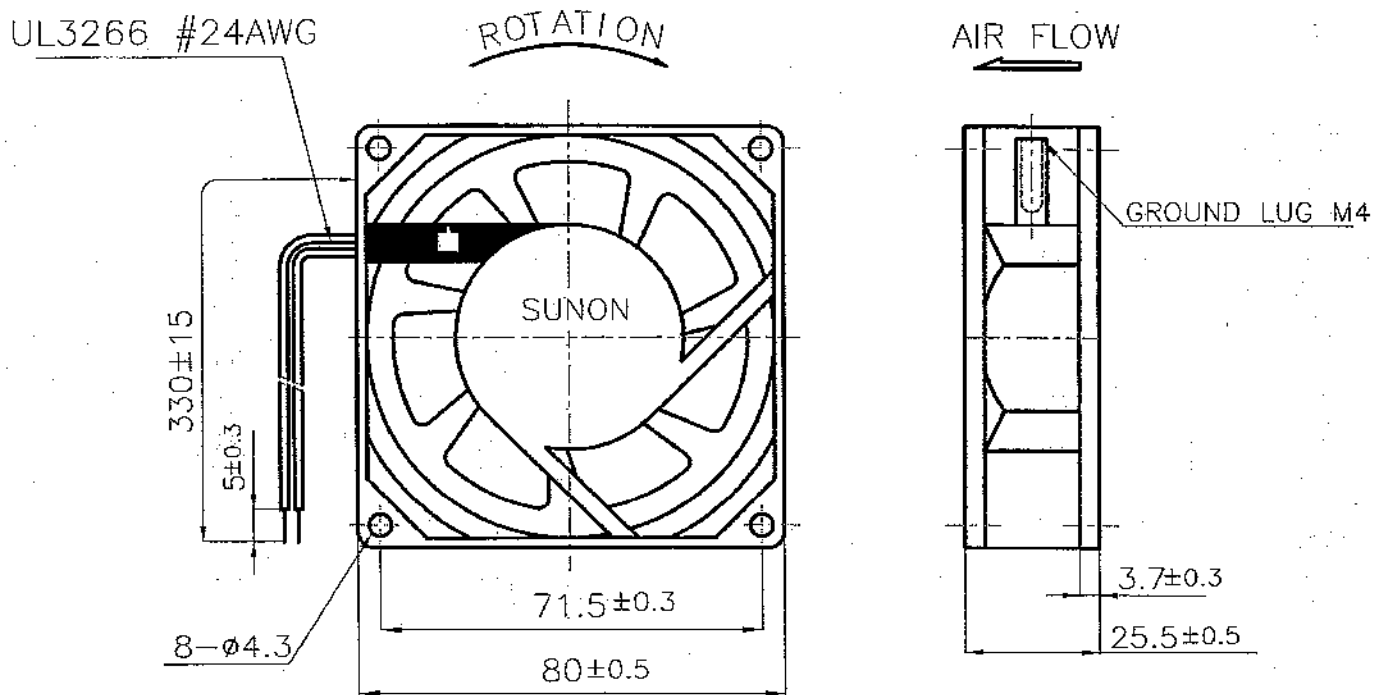


**MATERIAL**

2. Material

- 2-1. Frame : DIE-CAST ALUMINUM
- 2-2. Impeller : Thermoplastic PBT of UL 94V-0
- 2-3. Lead Wire : UL3266, 24 awg, GRAY

**DIMENSIONS**



**Air Flow Direction: Toward label side.**

**UNITS: mm**

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## Notes

### II. SPECIFICATION MODIFICATION

1. **SUNON offers engineering assistance on fan installation and cooling system design.**
2. **All changes, modifications and/or revisions to the specifications, if any, are incorporated in the attached specifications.**
3. **No changes, modifications and/or revisions to these specifications are effective absent agreement, by both Sunon and the customer, in writing.**
4. **This fan will be shipped in accordance with the attached specification unless SUNON and the customer have agreed otherwise, in writing, as specified in Paragraph 3, above.**

### III. OTHER

1. **When building your device, please examine thoroughly any variation of EMC, temperature rise, life data, quality, etc. of this product by shock/drop/vibration testing, etc. If there are any problems or accidents in connection with this product, it should be mutually discussed and examined.**
2. **Use proper care when handling this fan. Components such as fan holders or bearings may be damaged, if touched with fingers or other objects. Additionally, static electricity (ESD) may damage the internal circuits of the fan.**
3. **DO NOT operate this fan in proximity to hazardous materials such as organic silicon, cyanogens, formalin, phenol, or corrosive gas environments including, but not limited to, H<sub>2</sub>S, SO<sub>2</sub>, NO<sub>2</sub>, or Cl<sub>2</sub>.**
4. **SUNON recommends that you protect this fan from exposure to outside elements such as dust, condensation, humidity or insects. Exposure of this fan to outside elements such as dust, condensation, humidity or insects may affect its performance and may cause safety hazards. SUNON does not warrant against damage to the product caused by outside elements.**

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