SUNON

SPECIFICATION FOR APPROVAL

CUSTOMER :

DESCRIPTION : AXIAL AC FAN

DIMENSIONS : ø172X51 mm

M O D E L : A2175-HBL
TC.R

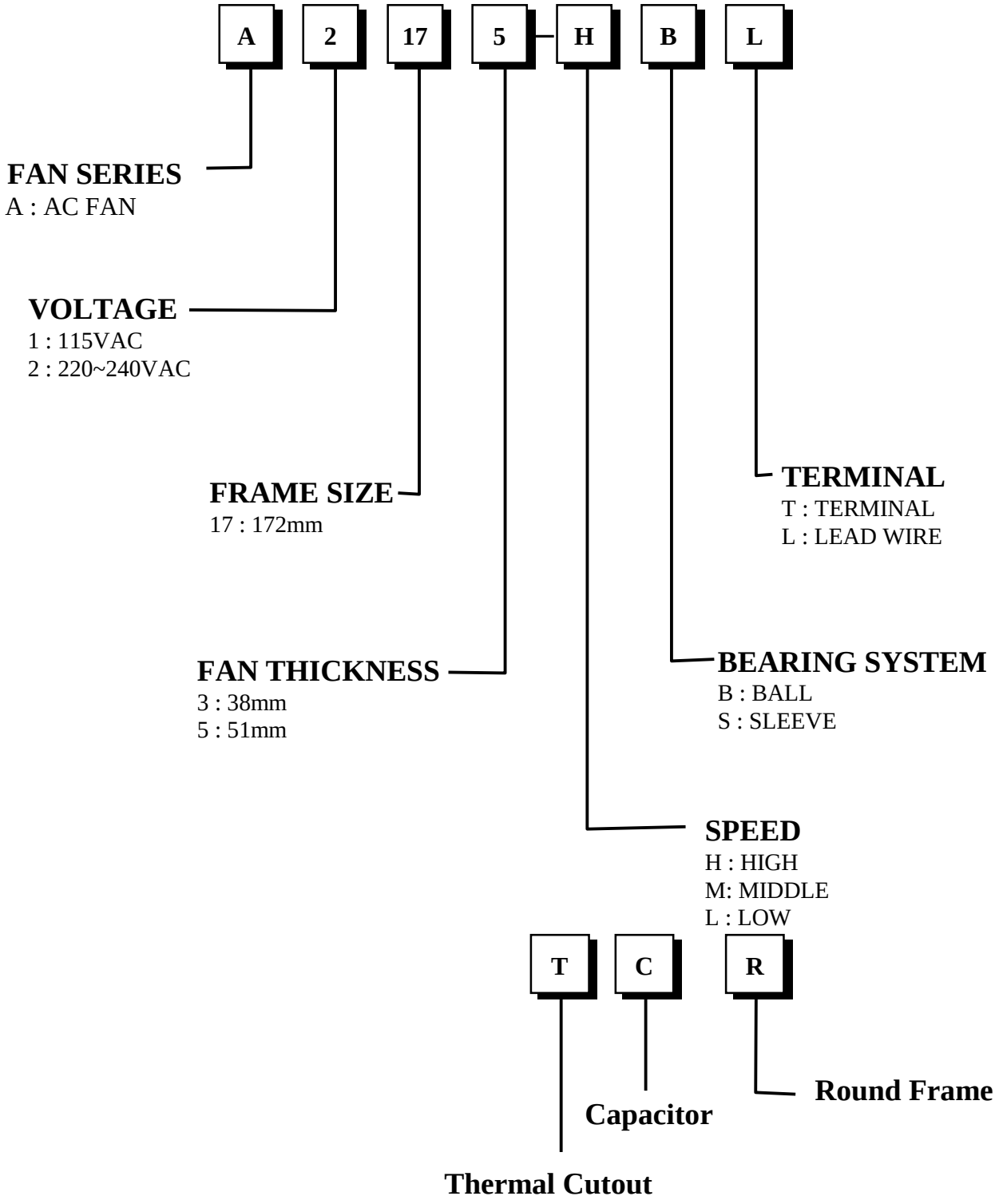
APPROVED NO :
(AUTHORIZED)

APPROVED BY :

DAWN.	*Chiahui 6/22*	**CHKD.**	*Kiddy*	**APPD.**	*Winner*	**SPEC. NO.**	**A170028**
						ISSUE DATE	**06.22.2001**
						EDITION	**0**
						REVISE DATE	
						E.SPEC	**EA17006**

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

MODEL NUMBERING SYSTEM



建準電機工業股份有限公司 SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.	SPEC. NO.	A170028	REVISE DATE	
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AXIAL AC FAN

MODEL : A2175-HBL
TC.R

CHARACTERISTICS

1. Motor Design	**:**	**Reliable Alveolate Motor Construction.**
2. Insulation Resistance	**:**	**500Megohms minimum at 500 VAC.**
3. Dielectric Strength	**:**	**1500 VAC for one minute.**
4. Motor Protection	**:**	**Thermal protected & Class B (II)**
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 microphone at a distance of one meter from the fan intake.**
6. Air Performance	**:**	**Measured by a double chamber. The value are recorded when the fan speed is stabilized at rated voltage.**
7.Tolerances	**:**	**±15% on rated power and current.**

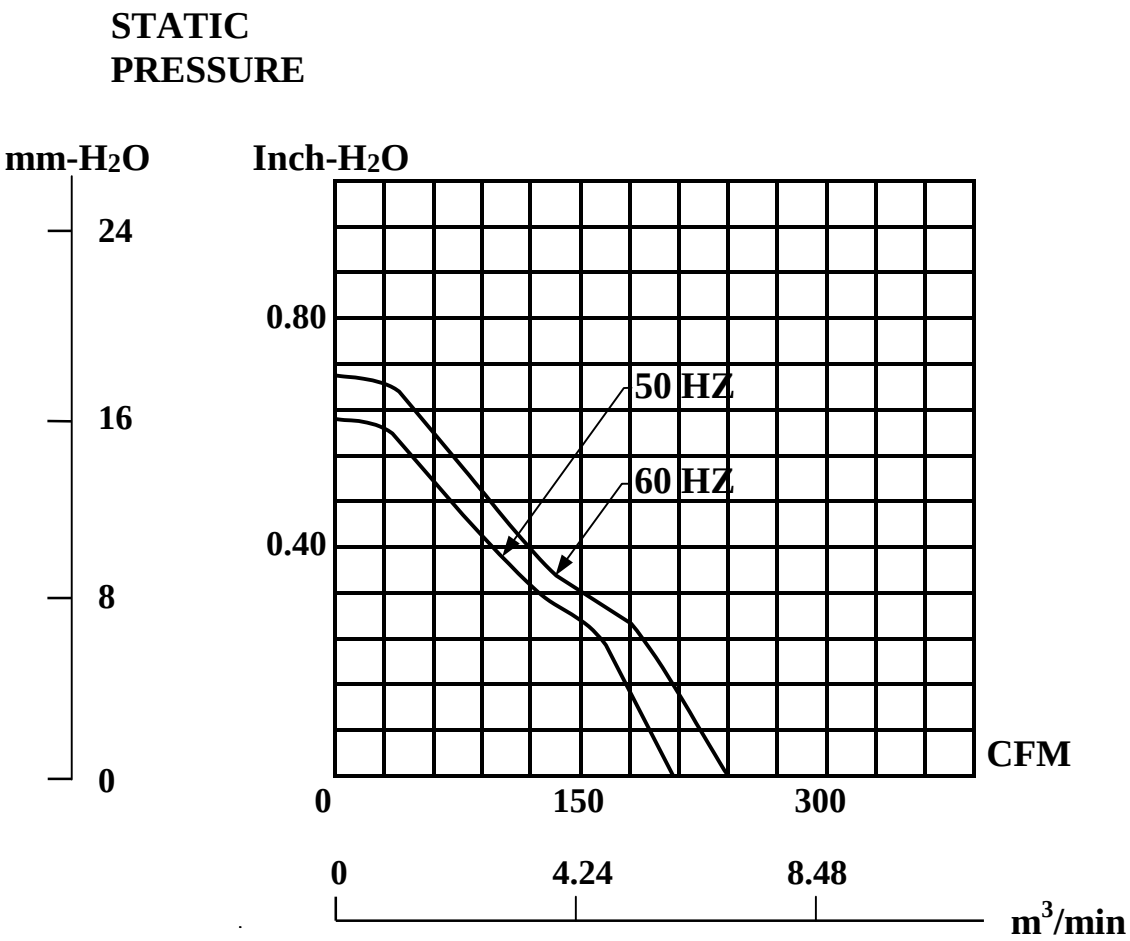
SPECIFICATIONS

MODEL : A2175-HBL
TC.R

1-1.	**Rated Voltage**	**: 230 VAC 50/60 HZ**
1-2.	**Operating Voltage Range**	**: 150-245 VAC**
1-3.	**Starting Voltage**	**: 150 VAC**
1-4.	**Rated Speed**	**: 2800/3200 RPM ± 10%**
1-5.	**Air Delivery**	**: 203/239 CFM**
1-6.	**Static Pressure**	**: 0.62/0.69 Inch-H_2O**
1-7.	**Rated Current**	**: 0.11/0.11 AMP**
1-8.	**Input Power**	**: 25/26 WATTS**
1-9.	**Noise Level**	**: 51/58 dB(A)**
1-10.	**Direction of Rotation**	**: Counter-clockwise viewed front fan blade**
1-11.	**Motor Protection**	**: Thermal Protected.**
1-12.	**Operating Temperature**	**: -10 to +80 Deg.C**
1-13.	**Storage Temperature**	**: -30 to +80 Deg.C**
1-14.	**Bearing System**	**: Precise ball bearing system**
1-15.	**Weight**	**: 908g**
1-16.	**Safety**	**: UL/CUR/TUV/CE Approvals**
1-17.	**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.**
1-18.	**Life Expectancy**	**: 50,000 Hrs at 25℃.**

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PERFORMANCE CURVES



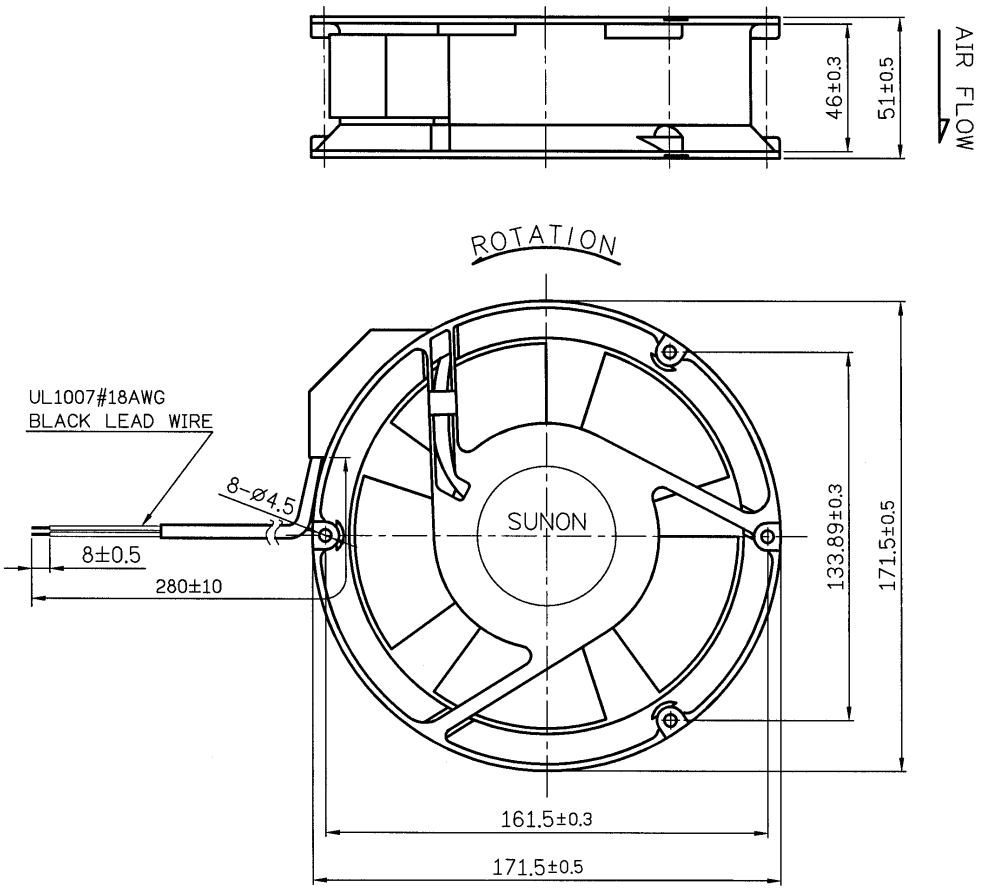
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MATERIAL

2. Material

2-1. Frame	**:**	**DIE-CAST ALUMINUM**
2-2. Impeller	**:**	**Thermoplastic PBT of UL 94V-0**
2-3. Lead Wire	**:**	**UL1007,18AWG**

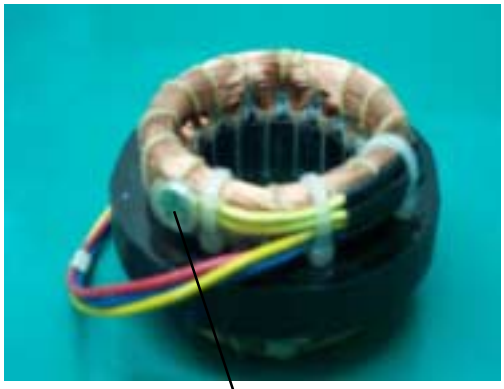
DIMENSIONS



Air Flow Direction: Label side.

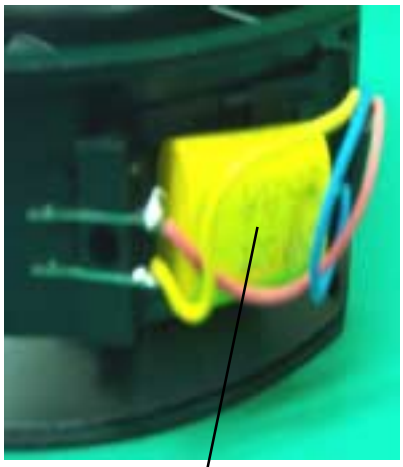
UNITS：mm

Alveolate Motor



Thermal Cutout

With Capacitor



Capacitor

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 leakage 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 damage 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.

13. Unless otherwise specified, if there is any doubt in the judgement, the temperature and relative humidity range of environment will be take in according to the standard test condition as 25℃ and 65%.