



SPECIFICATION FOR APPROVAL



DAWN	<i>Yuchen 5/17</i>	CHKD.	<i>Kiddy 3/9</i>	APPD.	<i>[Signature] 3/9</i>	SPEC. NO.	A120001
						ISSUE DATE	05.17.1999
						EDITION	0
						REVISE DATE	
						E.SPEC	EA12001

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

2/5

AXIAL AC FAN

MODEL : SP100A

P/N : 1123XST

CHARACTERISTICS

1. Motor Design

: Reliable Shaded-Pole Motor Contraction.
2. Insulation Resistance

: 500Megohms minimum at 500 VDC.
3. Dielectric Strength

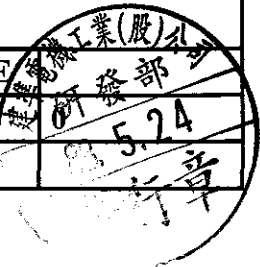
: 1800 VAC for one minute.
4. Motor Protection

: Impedance protected.
5. Noise Level

: Measured in an semi-an echoic 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.

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	ISSUE DATE	05.17.1999	EDITION	
	PAGE	2 OF 6		

SPECIFICATIONS

MODEL: SP100A

P/N : 1123XST

- 1-1. Rated Voltage : 115 VAC 50/60 HZ**
- 1-2. Operating Voltage Range : 85-125 VAC**
- 1-3. Starting Voltage : 85 VAC**
- 1-4. Rated Speed : 2700/3100 RPM $\pm$ 10%**
- 1-5. Air Delivery : 95/115 CFM**
- 1-6. Static Pressure : 0.33/0.38 Inch-H₂O**
- 1-7. Rated Current : 0.26/0.24 AMP**
- 1-8. Input Power : 22/20 WATTS**
- 1-9. Noise Level : 44/49 dB(A)**
- 1-10. Direction of Rotation : Counter-clockwise viewed front fan blade**
- 1-11. Motor Protection : Impedance Protected.**
- 1-12. Operating Temperature : -10 to +70 Deg.C**
- 1-13. Storage Temperature : -40 to +70 Deg.C**
- 1-14. Bearing System : Lubricated sleeve bearing system**
- 1-15. Weight : 550g**
- 1-16. Safety : UL/CSA/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.**

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SPEC. NO.

A120001

REVISE DATE

ISSUE DATE

05. 17. 1999

EDITION

PAGE

3 OF 6

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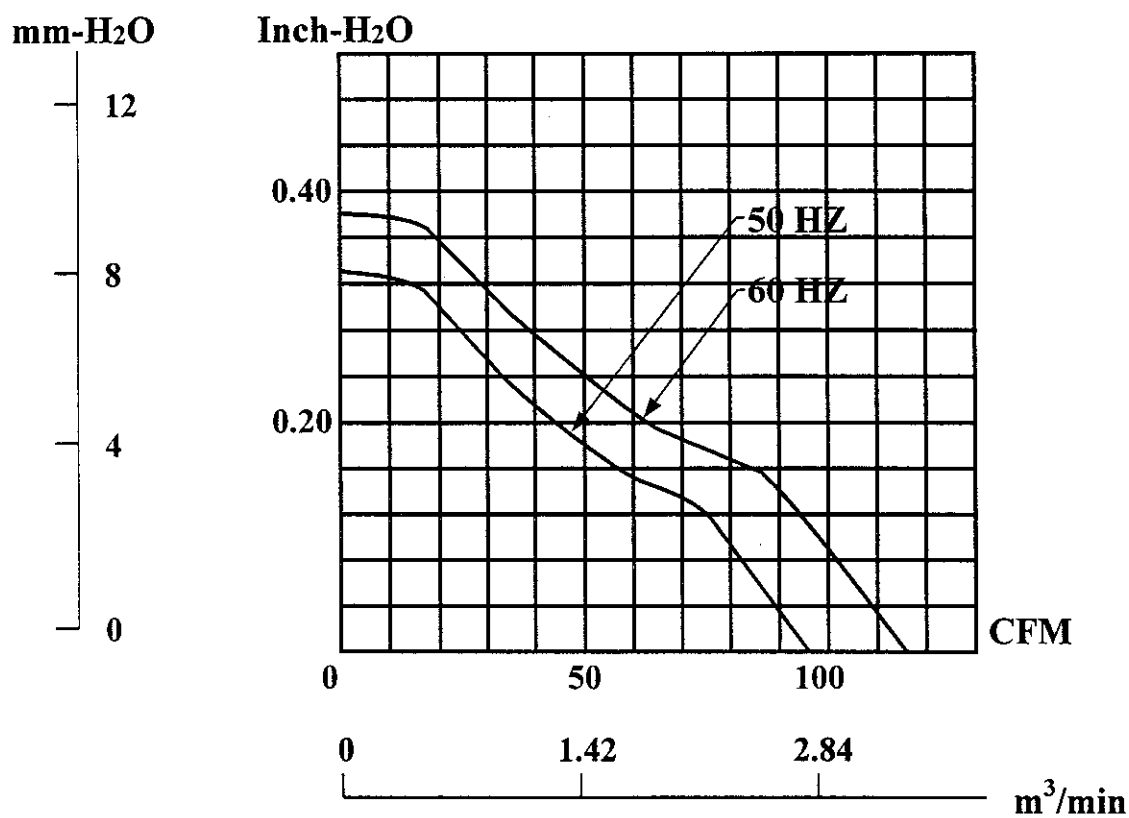
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MODEL : SP100A

P/N : 1123XST

PERFORMANCE CURVES

STATIC
PRESSURE

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SPEC.NO

A120001

REVISE DATE

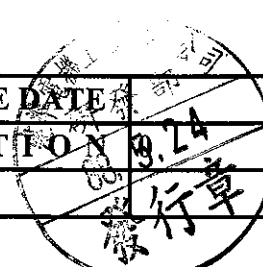
ISSUE DATE

05. 17. 1999

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P A G E

4 OF 6



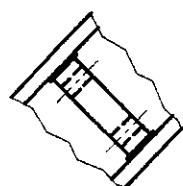
MATERIAL

2. Material

2-1. Frame : DIE-CAST ALUMINUM

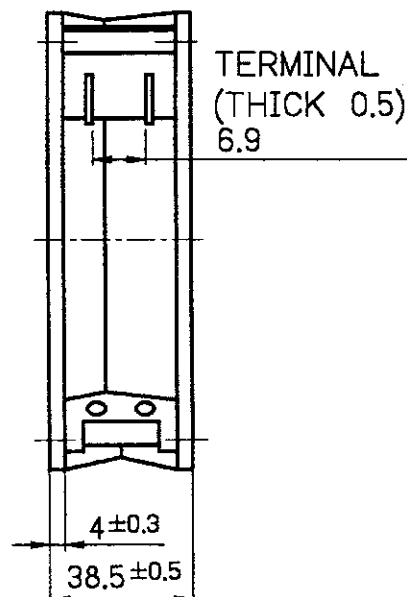
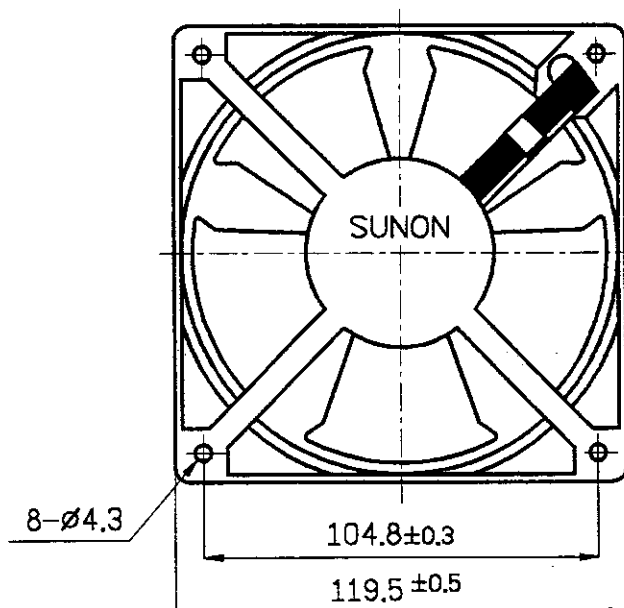
2-2. Impeller : Thermoplastic PBT of UL 94V-0

DIMENSIONS



ROTATION

AIR FLOW



Air Flow Direction: Label side.

UNITS

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SPEC. NO.

A120001

REVISE DATE

ISSUE DATE

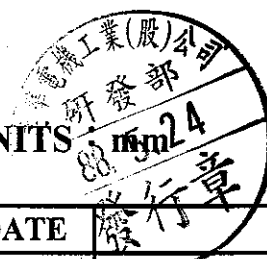
05. 17. 1999

EDITION

0

PAGE

5 OF 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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SPEC. NO.	A120001	REVISE DATE
ISSUE DATE	05. 17. 1999	EDITION
PAGE	6 OF 6	

