MMM.100X.COM. WWW.100Y.COM.TW 勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www. 100y. com. tw

W.190Y.COM.TW

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# WWW.100Y.COM.TW WW.100Y.COM.T MMM.100X.COM.IIM MMM.100X.CO SPECIFICATION FOR APPROVAL

MMM.Toox'Co. M.COM.T

WWW.100Y.COM.TW

WWW.100X.COM.TW W.100 Y.COM.TW CUSTOMER WWW.100Y.COM.TW MMA 100X COM TW DESCRIPTION DC BRUSHLESS BLOWER

DIMENSIONS 97X94X33 mm

: PMB1297PYB1-AY MODEL

FOOT COM'L P/N

APPROVED NO

MMM.100X.COM.TW MMM.100Y.COM.TW APPROVED BY (AUTHORIZED)

CO Mr.		снкд.	Kiddy	APPD.	Winner	SPEC. NO. ISSUE DATE	Y012006 12.24.200
DAWN	Fanny 1/30 c					EDITION EDITION	1 2.24.200
1 CO'						REVISE DATE	
						E.SPEC	LS020100

### DC BRUSHLESS BLOWER MODEL : PMB1297PYB1-AY

P/N : (2)

CHARACTERISTICS

1. Motor Design : DC brushless 4 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 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.

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.

#### **SPECIFICATIONS**

**MODEL: PMB1297PYB1-AY** 

P/N : (2)

1-1. Rated Voltage : 12VDC

1-2. Operating Voltage Range : 10.2-13.8 VDC

1-3. Starting Voltage : 5 VDC (25°C POWER ON/OFF)

1-4. Speed (Reference Value) : 3600 RPM

1-5. Air Delivery : 30.5 CFM

1-6. Static Pressure : 0.92 Inch-H2O

1-7. Rated Current : 0.72 AMP

1-8. Rated Power : 8.6 WATTS

1-9. Noise Level : 55.8 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 : 185 g

1-15. 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.

1-16. Locked Rotor Protection : Automatic Restart Capability

WWW.TOOX.COM.T MMA TOOX CON **MODEL: PMB1297PYB1-AY** 100X.COM.X

AAA TOOX COMIN

TOON COM LAN

MMM.100X.COM.TW

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WW.100Y.COM.T

MANN TOOK COM

P/N MAM TOON CO.

# PERFORMANCE CURVES MMM.1001.COM

STATIC PRESCO

WWW.100Y.COM.TW

MMM:100X.COM

MWW.1007

ov.com.rv

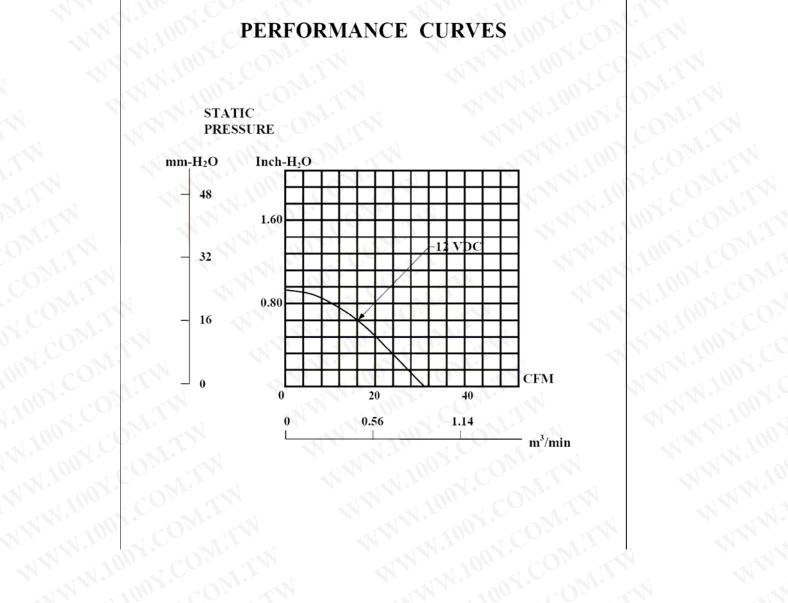
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### **MATERIAL**

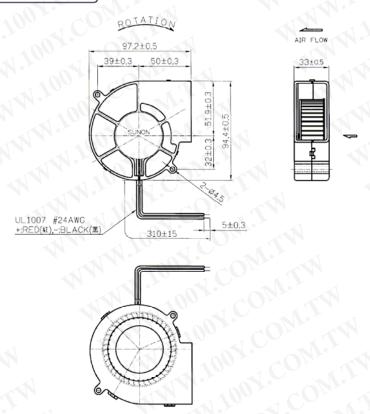
2-1. Frame : Thermoplastic PBT of UL 94V-0

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**



- 1.One directional exhaust
- 2. The Best Mounting Direction: Fan blade face up or shaft horizontal direction.

UNITS: mm

# **Notes**

- SUNON will not guarantee the products if the application conditions exceed those set out in this specification.
- A written request should be submitted to SUNON prior to acceptance if deviation from this specification is required.
- 3. Caution should be exercised when handling the fan. Damages may be resulted when apply pressure to the impeller or hold the fan by the lead wires.
- 4. No guarantee on the products against the safety problem or failure caused by powder dust, drop of water or insect.
- 5. This specification sheet precedes all other information and should be used as the principal reference for the product to which it refers.
- To satisfy the SUNON Management Information System, please indicate SPEC. NO. on every order.
- 7. It is important that the correct polarity is established before connecting the fan to the electrical supply. Black (0V), Red(+V). If cautions is not taken, immediate damage may occur on fans that do not have polarity protection.
- SUNON fans are not suitable to be used in an environment that contains aggressive or corrosive fluids.
- 9. Always ensure that fans are stored according to the storage temperatures specified. Do not store in an environment with a high humidity level. If the fans were stored for longer than 6 months, it is highly recommended to apply functional testing before shipping.
- 10. Not all fans incorporate the Lock Rotor Protection feature. For fans that do not incorporate this feature it is important not to prevent the rotation of the impeller. Doing so, will lead to failure.
- 11. During installation, caution should be taken when mounting the fan. Incorrect mounting can cause excess resonance, vibration and noise.
- 12.During testing it is important to consider safety at all times. A suitable guard should be fitted to the fan to prevent personal injury.
- 13.Unless otherwise stated, all tests are carried out at relative temperature and humidity conditions of 25%, 65%.