SUNON

SPECIFICATION FOR APPROVAL

CUSTOMER	:	
DESCRIPTION	:	DC BRUSHLESS BLOWER
DIMENSIONS	:	120X120X32 mm
MODEL	:	PMB1212PLB2-A
P/N	:	(2).GN
SUNON SPEC. NO	:	D12006600G-00
APPROVAL NO.	:	
APPROVED BY	:	
(AUTHORIZED)		

Jeff Kiddy ISSUE					SPEC.N		D12006600G- 00		
	ISSUE DATE	06.03.2005							
DRAWN	06/03	CHECKED	March	APPROVED	Jacky	EDITION	1		
						REVISION DATE	06.03.2013		
						E.SPEC	EB10219		
建準電	建準電機工業股份有限公司								
			RIC MACHIN						
,			G 1ST RD.,			69(41 LINES)	藏機工業保		
KAOH	SIUNG, TA	AIWAN, F	R. O. C.	FAX	:886-7-71630	186~89	D.C.C. 🗎		
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	SUITON
DC BI	RUSHLESS BLOWER
MOD	EL : PMB1212PLB2-A
P/N	: (2).GN
CHARACTERISTICS	
emarchemistics	
1. Motor Design	: DC brushless 4 pole motor design.
2. Insulation Resistance	: More than 10M ohm between internal stator and
	lead wire(+) measured at 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 the
	microphone at a distance of one meter
	from the fan intake.
5. Input Power, Current & Speed	: Measured after continuous 10 minute
	operation at rated voltage in clean air, and
	at ambient temperature of 25 degrees C.
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.
硅淮雷機工業 四位右阻八司	SPEC.NO D12006600G-00 REVISION DATE 06.03.2013
建準電機工業股份有限公司 SUNONWEALTH ELECTRIC	ISSUE DATE 06. 03. 2005 E D I T I O N
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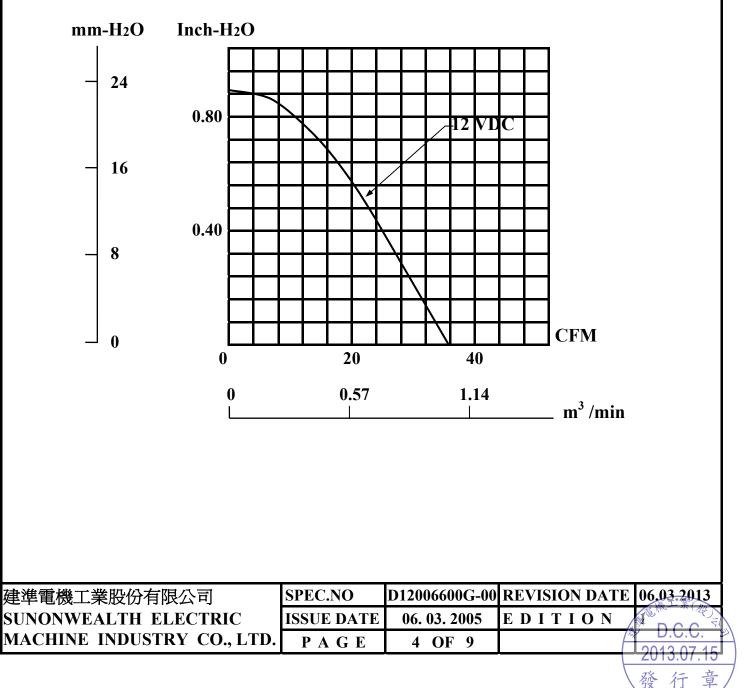
SPECIFICATIONS

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建準電機工業股份有限公司	SPEC.NO	D12006600G-00	REVISION DATE 06.03.2013
1-17. Locked Rotor Protection	Note: In a force whi temperatu the electri	le the electricity is are will be prevent ical power to the r	pability he fan is locked by an external s on, an increase in coil red by temporarily turning off notor. The fan will the locked rotor condition is
1-16. Vibration	frequen 3 direct	ions(X,Y,Z), in	ion 1.5G and s applied in all cycles of 1 minute each, me of 30 minutes.
1-15. Safety	: UL/CU	R/TUV/CE A _I	oprovals
1-14. Weight	: 250 g		
1-13. Bearing System	: Precisio	on ball bearing	system
1-12. Storage Temperature	: -40 to +	70 deg. C	
1-11. Operating Temperature	: -10 to +	70 deg. C	
1-10. Direction of Rotation	: Counter	-clockwise view	ed from front of fan blade
1-9. Noise Level	: 53.8 dB	(A)	
1-8. Rated Power	: 9.8 WA	TTS	
1-7. Rated Current	: 0.82 AN	1P	
1-6. Static Pressure	: 0.89 Inc	eh-H2O	
1-5. Air Delivery	: 35.9 CF	M	
1-4. Rated Speed	: 2500 RI	PM <u>+</u> 10%	
1-3. Starting Voltage	: 6 VDC	(25 deg. C POV	WER ON/OFF)
1-2. Operating Voltage Range	: 6~13.8	VDC	
1-1. Rated Voltage	: 12 VDC		
MODEL : PMB1212PLB2-A P/N : (2).GN			

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PERFORMANCE CURVES

STATIC PRESSURE

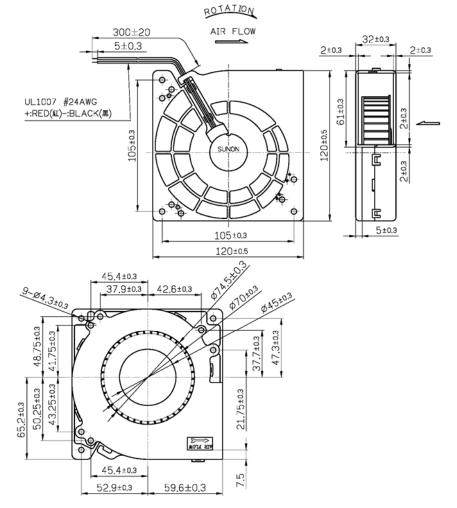


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MATERIAL

2-1. Frame:Thermoplastic PBT of UL 94V-02-2. Impeller:Thermoplastic PBT of UL 94V-02-3. Bobbin:Thermoplastic PBT of UL 94V-02-4. Lead Wire:UL1007,24 awg,+RED,-BLACK

DIMENSIONS



1. One directional exhaust

2. Best Mounting Direction: Fan blade face up or shaft horizontal direction.

UNITS:mm

音

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Notes

I .SAFETY

- 1. DO NOT use or operate this fan in excess of the limitations set forth in this specification. SUNON is not responsible for the non-performance of this fan and/or any damages resulting from its use, if it is not used or operated in accordance with the specifications.
- 2. SUNON recommends adding a protection circuit to the product or application in which this fan is installed, such as a thermo-fuse, or current-fuse or thermo-protector. The failure to use such a device may result in smoke, fire, electric shock by insulation degradation in cases of motor lock, motor lead short circuit, overload, or over voltage, and/or other failure.
- 3. SUNON recommends installing a protection device to the product or application in which this fan is installed if there is a possibility of reverse-connection between VDC (+) and GND (-). The failure to install such a device may result in smoke, fire, and/or destruction, although these conditions may not manifest immediately.
- 4. This fan must be installed and used in compliance with all applicable safety standards and regulations.
- 5. Use proper care when handling and/or installing this fan. Improper handling or installation of this fan may cause damage that could result in unsafe conditions.
- 6. Use proper care during installation and/or wiring. Failure to use proper care may cause damage to certain components of the fan including, but not limited to, the coil and lead wires, which could result in smoke and/or fire.
- 7. DO NOT use power or ground PWM to control the fan speed. If the fan speed needs to be adjusted, please contact SUNON to customize the product design for your application.
- 8. For critical or extreme environments, including non stop operation, please contact SUNON and we will gladly provide assistance with your product selection to ensure an appropriate cooling product for your application.

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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, H₂S, SO₂, NO₂, or Cl₂.
- 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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Notes

- 5. This fan must be installed properly and securely. Improper mounting may cause harsh resonance, vibration, and noise.
- 6. Fan guards may prevent injury during handling or installation of the fan and are available for sale with this fan.
- 7. Unless otherwise noted, all testing of this fan is conducted at 25°C ambient temperature and sixty-five percent (65%) relative humidity.
- 8. DO NOT store this fan in an environment with high humidity. This fan must be stored in accordance with the attached specifications regarding storage temperature. If this fan is stored for more than 6 months, SUNON recommends functional testing before using.
- 9. SUNON reserves the right to use components from multiple sources at its discretion. The use of components from other sources will not affect the specifications as described herein.
- 10.The "Life Expectancy" of this fan has not been evaluated for use in combination with any end application. Therefore, the Life Expectancy Test Reports (L10 and MTTF Report) that relate to this fan are only for reference.

VI. WARRANTY

This fan is warranted against all defects which are proved to be fault in our workmanship and material for one year from the date of our delivery. The sole responsibility under the warranty shall be limited to the repair of the fan or the replacement thereof, at SUNON's sole discretion. SUNON will not be responsible for the failures of its fans due to improper handing, misuse or the failure to follow specifications or instructions for use. In the event of warranty claim, the customer shall immediately notify SUNON for verification. SUNON will not be responsible for any consequential damage to the customer's equipment as a result of any fans proven to be defective.

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Declaration of RoHS

Control declaration of environment- related substances/ materials

1. In accordance with the Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU, SUNON product have complied with law and discipline not to employ the forbidden substances, and restrict the allowable concentration of some limited substances deliberately in our components.

No		Substance	Criteria
1	CFCs & HCFCs (ozone depleti	ing substances)	Forbidden
2	Chlorinated Organic Solvent		
	Lead and its compounds	Plastic (Frame, Impeller, wire harness, etc.)	<100ppm
		Solder	<1000ppm
3		Steel alloy	<3500ppm
		Aluminium alloy	<4000ppm
		Copper alloy	<4wt%
		Solder	<20ppm
4	Cadmium and its compounds	Parts composed of metals containing zinc	<100ppm
4	Cadimum and its compounds	(e.g. brass, zinc for die casting)	<100ppm
		Plastic	<5ppm
5	PBBs and PBDEs		Forbidden
6	PCB and PCT		
7	CP, Short-chain Chlorinated paraffins C10-13, Cl ≥48 wt%		
8	Mirex		Forbidden
9	PCN		Forbidden
10	Hexavalent Chromium compo	unds	<100ppm
11	Mercury and its compounds		Forbidden
12	Asbestos		Forbidden
13	Organic Tin compounds		
14	Azo compounds		Forbidden
15	TBBP-A in external case plasti	c parts of products (PCB is exempted)	<1000ppm
16	Nickel in external case parts, whi	ch are likely to result in prolonged skin exposure	<1000ppm
17	Hexabromocyclododecane (HE	BCDD)	<1000ppm
18	Di-butyl Phthalate (DBP)		<1000ppm
19	Benzyl butyl Phthalate (BBP)		<1000ppm
20	Di-ethylhexyl Phthalate (DEH)	Р)	<1000ppm
21	Di-isobutyl Phthalate (DIBP)		<1000ppm

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单击下面可查看定价,库存,交付和生命周期等信息

>>Sunon(建准)