SPECIFICATION FOR APPROVAL
MODEL NO. :AD06012MB10A000 P.S
DESCRIPTION :
SPEC NO. : SA-0120171130002
ISSUE DATE : 2019.10.08
REVISION : A03
THIS OFFER IS MADE ACCORDING TO YOUR CURRENT INQUIRY. UNLESS OTHERWISE REVISED, THIS SPECIFICATION WILL BE FINAL FOR ALL FUTURE PRODUCTION OF ORDERS FROM YOUR RESPECTED COMPANY
KINDLY STUDY IN DETAILS AND RETURN TO US THE DUPLICATE DULY SIGNED AS YOUR CONFIRMATION OF SAME.
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	Revised Record		
Rev.	Revision Description	Change page	Date
A00	Preliminary		2018.01.02
A01	修正外框有埋頭孔以虛線標示	4/5	2018.05.25
A02	追加UL/CUL/TUV安規	1/5	2018.07.19
A03	更新,追加10.11	4/5	2019.10.08
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	2019.10.08		
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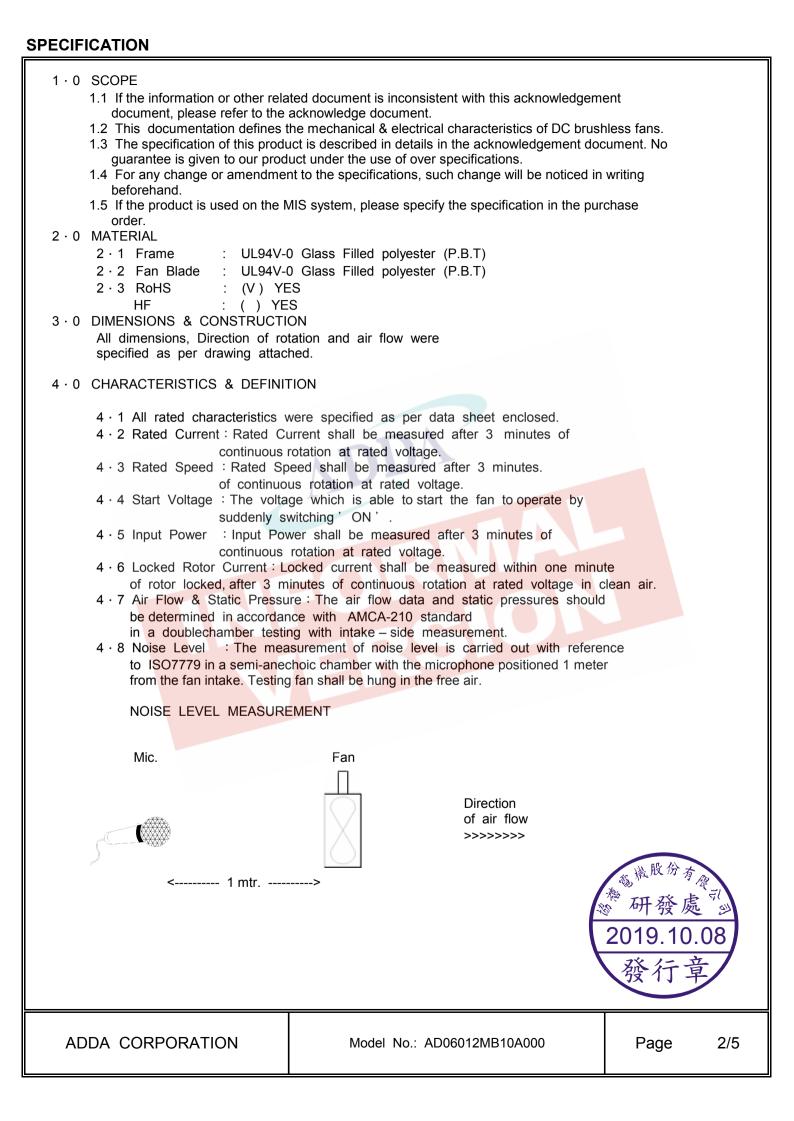
Engineering

Printed On:

19/10/08

BRUSHLESS AXIAL COOLING FANS

Customer	:	Ref: (RoHS		
Adda Model No	: AD06012MB10A000			
Samples attached	: Piece(s),			
Safety Approval	: UL,CUL,TUV,CE TUV:EN 60950-1:2006+A1: UL:UL507 CE:EN 61000-6-1:2007 EN 61000-6-3:2007+A1	CE:EN 61000-6-1:2007		
Specifications				
ITEM	SPECIFICATION / CONDITION			
DIMENSIONS	: 60x60x10 mm			
BEARING TYPE	: TWO BALL			
RATED VOLTAGE	: 12.0 VDC			
OPERATING VOLTAGE RANGE	: 10.8 VDC – 13.2 VDC			
START-UP VOLTAGE	: 9.0 VDC , NORMAL			
REAL CURRENT	: 0.17 Amp			
REAL POWER	: 2.04 Watt			
RATED CURRENT	: 0.20 Amp + 10 %MAX			
RATED POWER	: 2.40 Watt			
RATED SPEED	: 4000 RPM ± 10 %			
	(IN FREE AIR AT RATED VOLTAGE)			
AIR FLOW	: 16.110 CFM (min.: 14.499 CFM)			
AIR FLOW	: 0.455 CMM (min.: 0.409 CMM)			
	(IN FREE AIR AT RATED VOLTAGE)			
STATIC AIR PRES <mark>SURE</mark>	: 0.095 Inch H_2O (min.: 0.076 Inch H_2O)			
STATIC AIR PRESS <mark>URE</mark>	: 2.413 mm H_2O (min.: 1.954 mm H_2O)			
	(IN FREE AIR AT RATED VOLTAGE)	公子		
NOISE LEVEL	: 31.8 dB (A) (max.: 35.8 dB(A))	有限		
MOTOR PROTECTION	:BY IC 资研务	愛處 🔊		
POLARITY PROTECTION	: NO 2019.	10.08		
CONNECTION LEAD TYPE	: WIRE, AWG# 26	二音		
LIFE EXPECTANCY	: 70000 Hours at 40°C / 65% RH	1 早		
NET WEIGHT	: 25 Gram.			
PACKING	: 390 pcs. Per Export Carton.			
	umidity is 65%, and the temperature is 25°C for the standard testing. fer to the environmental conditions specified in the acknowledgement			



5.0 MECHANICAL INSPECTION

5.1 Rotation Direction

Counterclockwise when look into impeller side.

5.2 Protection

All fans have integrated protection against locked rotor condition so that there will be no damage to winding or any electronic component.

Restarting is automatic as soon as any constraint to rotation has been released. As fan placed at dead angle position, and the switch was changed from off to on. Restarting was automatic normal as soon as and proved that this fan is good fan.

5.3 Locked Rotor Protection No damage shall be found after 72 hours continuously at condition of rotation locked. Restarting is automatic as soon as constraint to running has been released.

- 5.4 Avoid the damage, check the correct voltage and proper polarity before connecting with power.
- 5.5 Free Drop Shock

In minimum package condition, the fan should withstand drops on any three faces from a height of 30cm onto a wood board of 10mm thick.

- 5.6 Please do not stick a grease and/or an oil to the fan housing or blade which may have a harmful influence by a chemical reaction at high humidity.
- 5.7 If the fan is reinstalled, please pay special attention to the noise due to the vibration (or resonance).
- 5.8 During the testing of the fan, please make sure the finger guard is used for safety.

6.0 ELECTRICAL INSPECTION

6.1 Insulation Resistance

Not less than 10M ohm between housing and positive end of lead wire (red) at 500V DC. 6.2 Dielectric Strength

No damage should be found at 500 VAC for 60 seconds, measured with 1mA trip current between housing and positive end of lead wire.

6.3 Life Expectancy

The continous duty life at given temperature after which, 90% of testing units shall still be running.

6.4 While the fan is running, do not intentionally lock the fan for a long time since the overheating of the motor produced by the long-time locking will damage the fan.

7.0 ENVIRONMENTAL

- 7.1 Improper use such as disassembling the fan, being covered with dust, or dipping the fan in water that results in defects is not covered in the warranty. Do not use the fan in the environment with corrosive air or liquid.
- 7.2 Operating Temperature / Humidity
 - -10°C to +70°C at humidity 65%+/-20% RH.
- 7.3 Storage Temperature

All function shall be normal after 500 hours storage at -40° C to $+70^{\circ}$ C with a 24 hour recovery period at room temperature.

7.4 Humidity

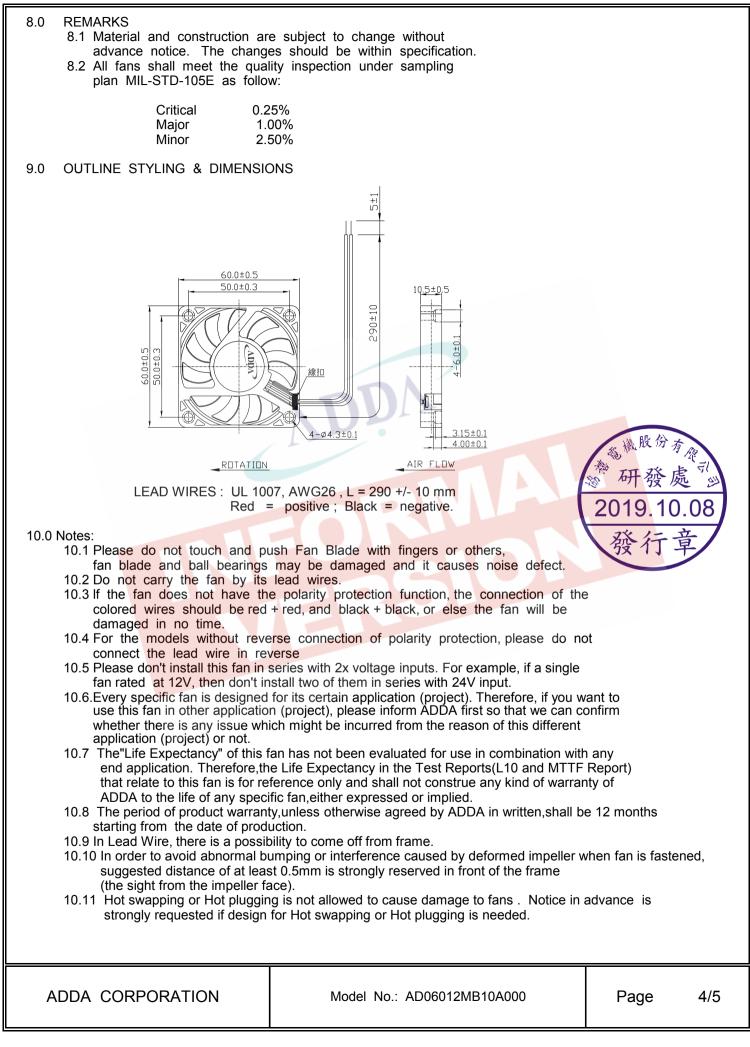
After 96 hours, 95% RH, 40+/-2°C per MIL-STD-202F, method 103B humidity test, the measured data on insulation resistance and dielectric strength shall meet the specificaiton.

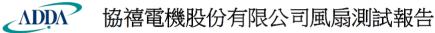
7.5 Do not place or store the fan in the environment with high/low temperature/humidity. If the fan is stored for more than 6 months, functional test is highly recommended before using.

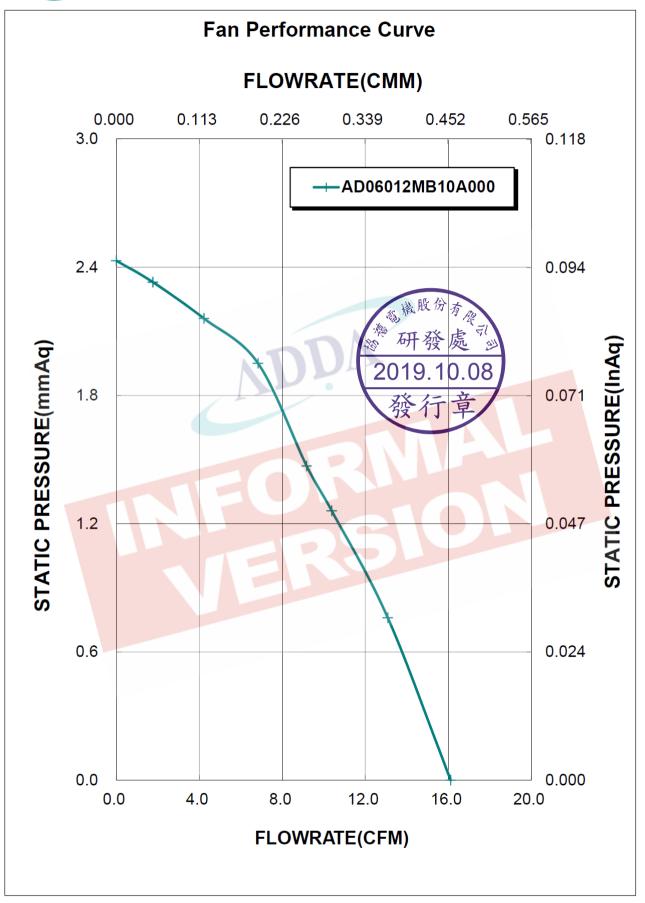


ADDA CORPORATION

SPECIFICATION







Mouser Electronics

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ADDA: AD06012MB10A000