SPECIFICATION FOR APPROVAL
MODEL NO. : AG06012LX159101 P.S
DESCRIPTION :
SPEC NO. : SA-0120171212012
ISSUE DATE : 2019.10.09
REVISION : <u>A01</u> 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.
成成の方 一部一致處 2019.10.09 發行章
ADDA ADDA CORPORATION

Revised Record				
Rev.	Revision Description	Change page	Date	
A00	Preliminary		2017.12.14	
A01	更新,追加10.11	4/6	2019.10.09	
	藏藏股份有命			
	^物 研發處 ¹			
	2019.10.09			
	發行章			

DATA-SHEET

Engineering

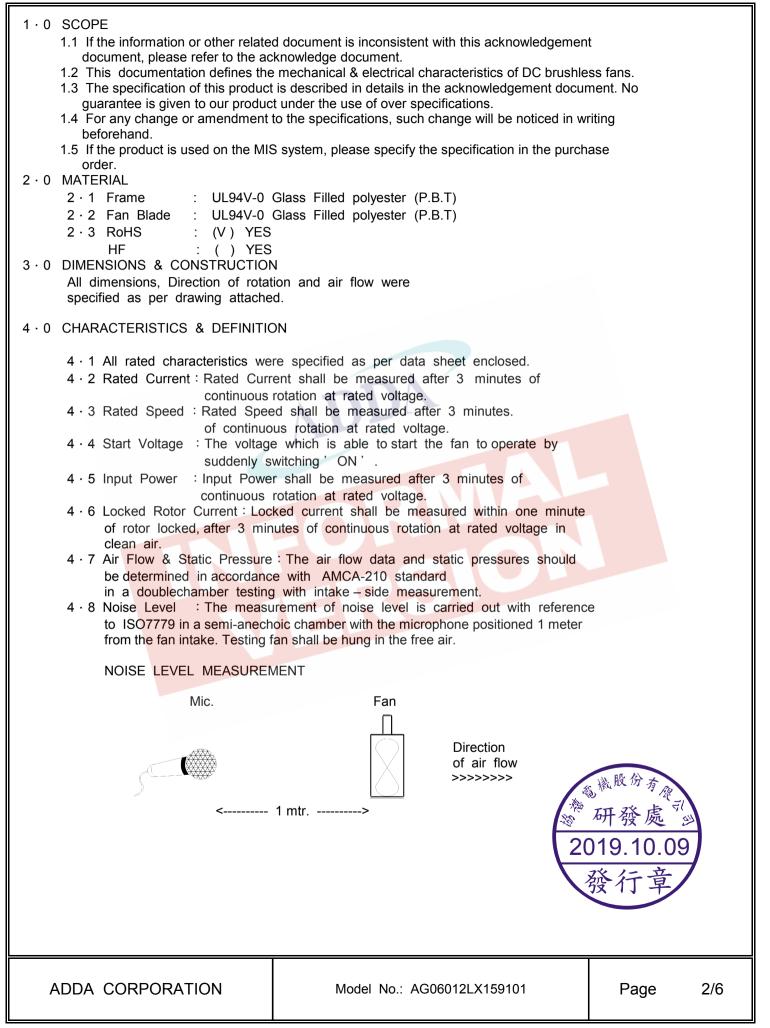
Printed On:

19/10/09

BRUSHLESS AXIAL COOLING FANS

Customer	:	Ref: (RoHS)
Adda Model No	: AG06012LX159101	
Samples attached	: Piece(s),	
Safety Approval	: UL,CUL,TUV,CE TUV:EN 60950-1:200	6+A11+A1+A12+A2
	UL:UL507 CE:EN 61000-6-1:200	17
	EN 61000-6-3:2007+/	
Specifications		
ITEM	SPECIFICATION / CONDITION	
DIMENSIONS	: 60x60x15 mm	
BEARING TYPE	: HYPRO	
RATED VOLTAGE	: 12.0 VDC	
OPERATING VOLTAGE RANGE	: 10.8 VDC – 13.2 VDC	
START-UP VOLTAGE	: 9.0 VDC , NORMAL	
REAL CURRENT	: 0.07 Amp	
REAL POWER	: 0.84 Watt	
RATED CURRENT	: 0.09 Amp + 10 %MAX	
RATED POWER	: 1.08 Watt	
RATED SPEED	: 3500 RPM ± 10 %	
	(IN FREE AIR AT RATED VOLTAGE)	
AIR FLOW	: 14.348 CFM (min.: 12.913 CFM)	
AIR FLOW	: 0.406 CMM (min.: 0.365 CMM)	
	(IN FREE AIR AT RATED VOLTAGE)	
STATIC AIR PRESSURE	: 0.122 Inch H ₂ O (min.: 0.098 Inch H ₂ O)	
STATIC AIR PRES <mark>SURE</mark>	: 3.098 mm H ₂ O (min.: 2.509 mm H ₂ O)	
	(IN FREE AIR AT RATED VOLTAGE)	
NOISE LEVEL	: 27.4 dB (A) (max.: 31.4 dB(A))	
MOTOR PROTECTION	: BY IC	
POLARITY PROTECTION	: YES	
CONNECTION LEAD TYPE	: WIRE, AWG# 26	
LIFE EXPECTANCY	: 40000 Hours at 40 $^\circ\!\mathrm{C}$ /65% RH	
NET WEIGHT	: 39 Gram.	影股份太
PACKING	: 390 pcs. Per Export Carton.	E
Unless otherwise stated, the relative hu	umidity is 65%, and the temperature is 25 $^\circ C$	卅發處 ≥
for the standard testing.	201	19.10.09
Should you have any doubt, please refe	er to the environmental conditions specified in the	人仁音
acknowledgement document.	33	们早
ADDA CORPORATION	Model No.: AG06012LX159101	Page 1/6

SPECIFICATION



SPECIFICATION

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 Operatin<mark>g Temperature / Humi</mark>dity
- -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

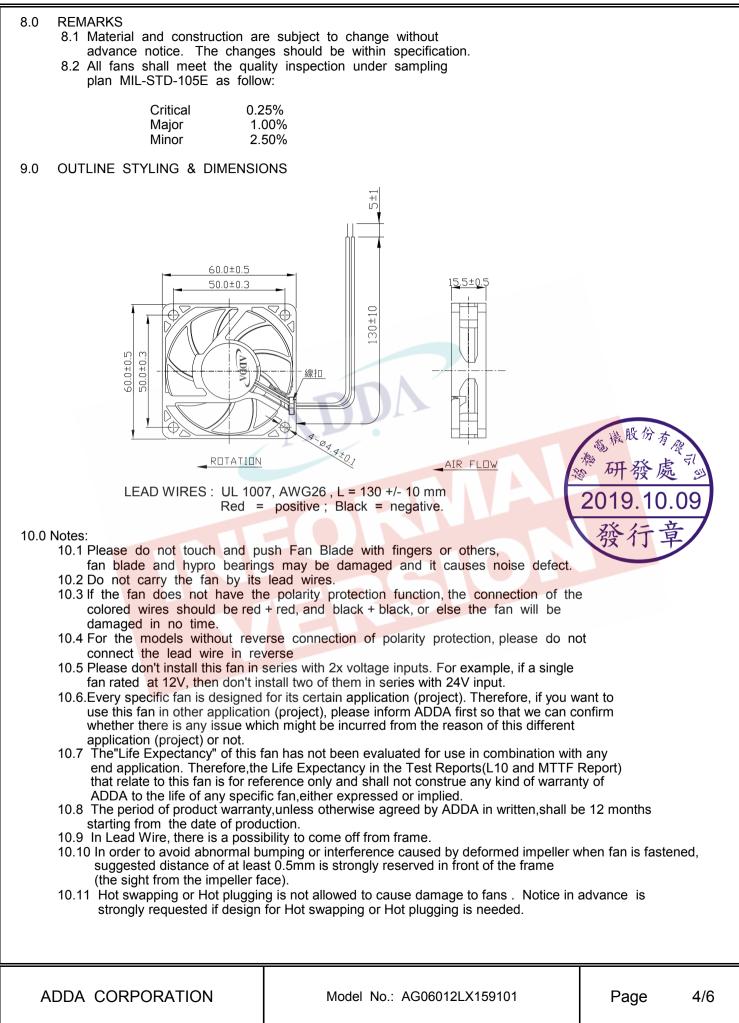
After 96 hours, 95% RH, 40+/-2 $^{\circ}$ C per MIL-STD-202F, method 103B humidity test, the measured data on insulation resistance and dielectric strength shall meet the specificaiton.

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.

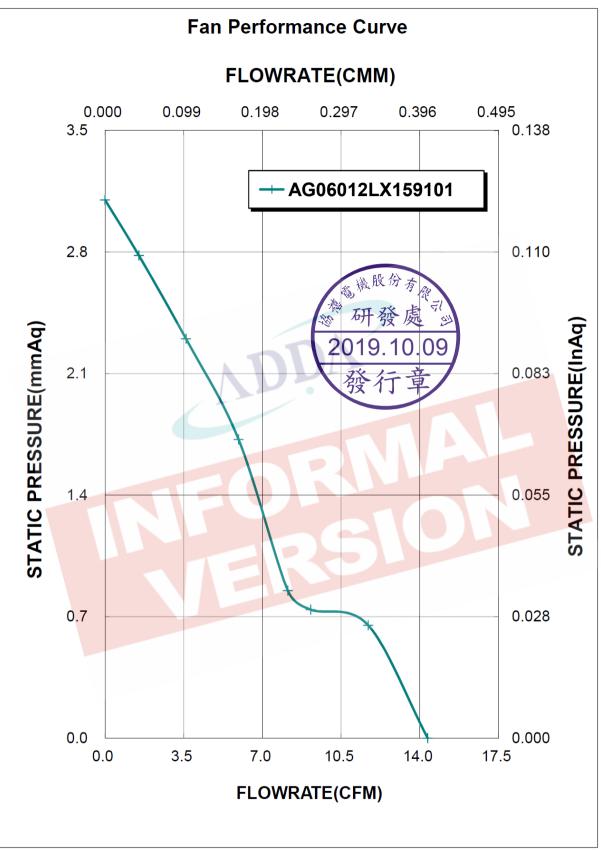


ADDA CORPORATION

SPECIFICATION





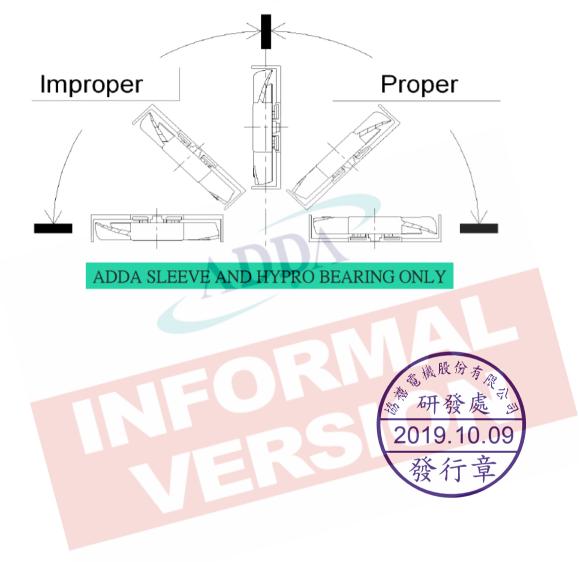


* Sleeve 與 Hypro軸承裝置說明:



*Sleeve與Hypro軸承有裝置上的受限,不正常區域的運用(Improper)可能有共震與噪音的現象產生

• Please be cautions sleeve and hypro bearing fans mounting. Improper mounting of the fan may cause excess resonance • vibration and subsequent noise.



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ADDA: AG06012LX159101