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	SPECIFICATION FOR APPROVAL						
	TO :						
	REF. No						
	APPROVED DATE 研發處 2012.11.28 簡文榮 CHECKED DAT 研發處 2012.11.28 林茂盛 許登貴 PRE-ARED CATE 研發處 2012.11.28 許登貴 講發費						
	MODEL NoAG06024HB207100P.S						
	DESCRIPTION: DC FAN (RoHS) REV. A						
	ID No						
	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.						
	本部合本 研發處型 2012.11.28 發行章						
L .	ADDA ADDA CORPORATION						
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<u>DATA-SHEET</u>

Engineering

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Printed On:
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12/11/28

BRUSHLESS AXIAL COOLING FANS

Customer	:	Ref: (RoHS)
Adda Model No	: AG06024HB207100	
Samples attached	: Piece(s),	
Safety Approval	: UL,CUL,TUV,CE TUV:EN 60950-1:2006+/ UL:UL507 CE:EN 61000-6-1:2007 EN 61000-6-3:2007	A11+A1+A12
Specifications		
ITEM	SPECIFICATION / CONDITION	
DIMENSIONS	: 60x60x20 mm	
BEARING TYPE	: BALL	
RATED VOLTAGE	: 24.0 VDC	
OPERATING VOLTAGE RANGE	: 21.6 VDC - 26.4 VDC	
START - UP VOLTAGE	: 17.0 VDC , NORMAL	
REAL CURRENT	: 0.12 Amp	
REAL POWER	: 2.88 Watt	
RATED CURRENT	: 0.16 Amp + 10 %MAX	
RATED POWER	: 3.84 Watt	
RATED SPEED	: 5500 RPM ± 10 % (IN FREE AIR AT RATED VOLTAGE)	
AIR FLOW	27.460 CFM (min.: 24.714 CFM)	
AIR FLOW	: 0.777 CMM (min.: 0.699 CMM)	
/	(IN FREE AIR AT RATED VOLTAGE)	
STATIC AIR PRESSURE	: 0.288 Inch H_2O (min.: 0.233 Inch H_2O)	
STATIC AIR PRESSURE	: 7.315 mm H_2O (min.: 5.925 mm H_2O) (IN FREE AIR AT RATED VOLTAGE)	
NOISE LEVEL	: 39.2 dB (A) (max.: 43.2 dB(A))	
MOTOR PROTECTION	: BY IC	
POLARITY PROTECTION	: YES	
CONNECTION LEAD TYPE	: WIRE, AWG# 26	
LIFE EXPECTANCY	: 70000 Hours at 40 / 65% RH	
NET WEIGHT	: 56 Gram.	
PACKING	: 300 pcs. Per Export Carton.	
for the standard testing.	midity is 65%, and the temperature is 25 r to the environmental conditions specified in the 2012.11 發行	.28
ADDA CORPORATION	Model No.: AG06024HB207100	Page 1/5

SPECIFICATION

1.0 SCOPE 1.1 If the information or other related document is inconsistent with this acknowledgement document, please refer to the acknowledge document. 1.2 This documentation defines the mechanical & electrical characteristics of DC brushless fans. 1.3 The specification of this product is described in details in the acknowledgement document. No guarantee is given to our product under the use of over specifications. 1.4 For any change or amendment to the specifications, such change will be noticed in writing beforehand. 1.5 If the product is used on the MIS system, please specify the specification in the purchase order. 2.0 MATERIAL : UL94V-0 Glass Filled polyester (P.B.T) 2.1 Frame 2.2 Fan Blade : UL94V-0 Glass Filled polyester (P.B.T) 2.3 Bearing Sys. : () Sleeve, oil impregnated. (V) Two Ball Bearing () One Ball one Sleeve () Hypro Bearing () FDB Bearing 2.4 RoHS : (V) YES : () YES HF 3.0 DIMENSIONS & CONSTRUCTION All dimensions, Direction of rotation and air flow were specified as per drawing attached. 4.0 CHARACTERISTICS & DEFINITION 4.1 All rated characteristics were specified as per data sheet enclosed. 4.2 Rated Current: Rated Current shall be measured after 3 minutes of continuous rotation at rated voltage. 4.3 Rated Speed : Rated Speed shall be measured after 3 minutes. of continuous rotation at rated voltage. 4.4 Start Voltage : The voltage which is able to start the fan to operate by suddenly switching 'ON '. 4.5 Input Power : Input Power shall be measured after 3 minutes of continuous rotation at rated voltage. 4.6 Locked Rotor Current: Locked current shall be measured within one minute of rotor locked, after 3 minutes of continuous rotation at rated voltage in clean air. 4.7 Air Flow & Static Pressure: The air flow data and static pressures should be determined in accordance with AMCA-210 standard in a doublechamber testing with intake - side measurement. 4.8 Noise Level : The measurement of noise level is carried out with reference to CNS8753 in an anechoic chamber with the microphone positioned 1 meter from the air intake. Testing fan shall be hung in clean air. NOISE LEVEL MEASUREMENT Mic. Fan Direction of air flow >>>>>>>> <-----> 1 mtr. ----->

ADDA CORPORATION

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 Operating Temperature / Humidity
 - -10 to +70 at humidity 65%+/-20% RH.
 - 7.3 Storage Temperature

All function shall be normal after 500 hours storage at -40 to +70 with a 24 hour recovery period at room temperature.

7.4 Humidity

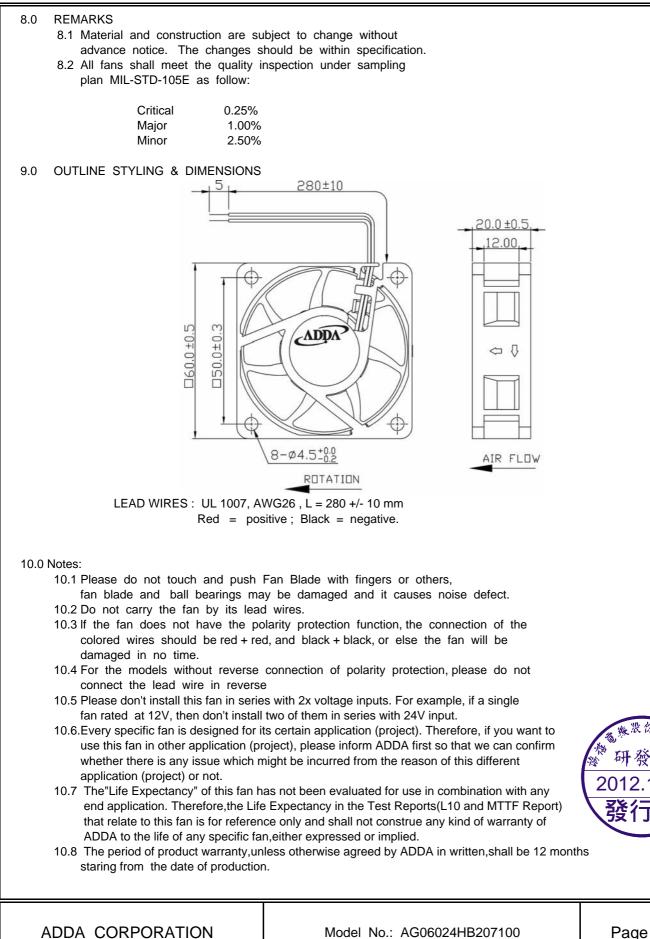
After 96 hours, 95% RH, 40+/-2 per MIL-STD-202F, method 103B humidity test, the measured data on insulation resistance and dielectric strength shall meet the specificaites.

7.5 Do not place or store the fan in the environment with high/low temperature/humidity. Do store the fan for over 6 months; even if the fan is stored in room temperature for over 6 months, the fan may have the electric current leakage.



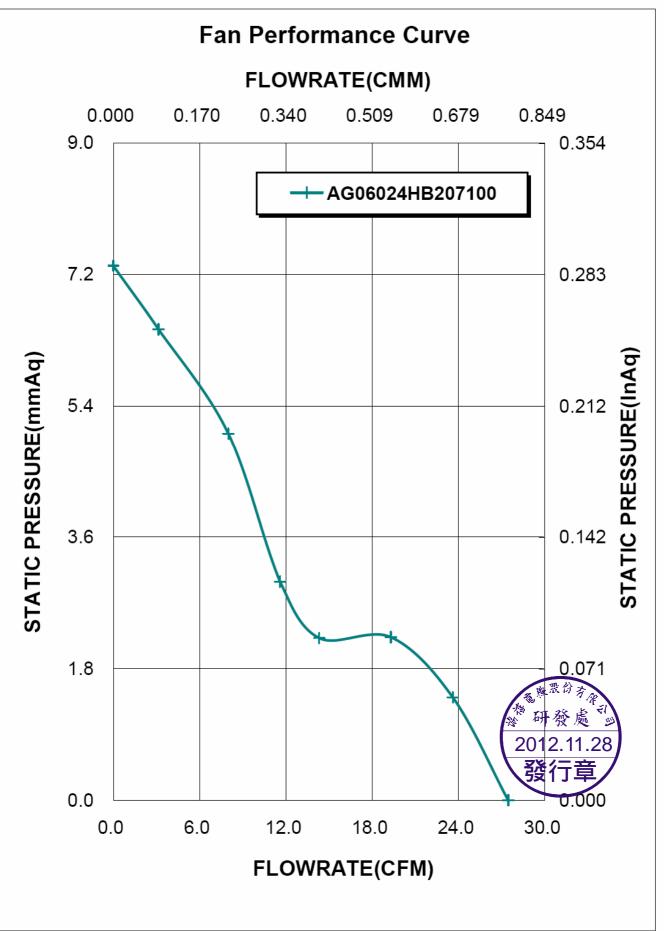
ADDA CORPORATION

SPECIFICATION

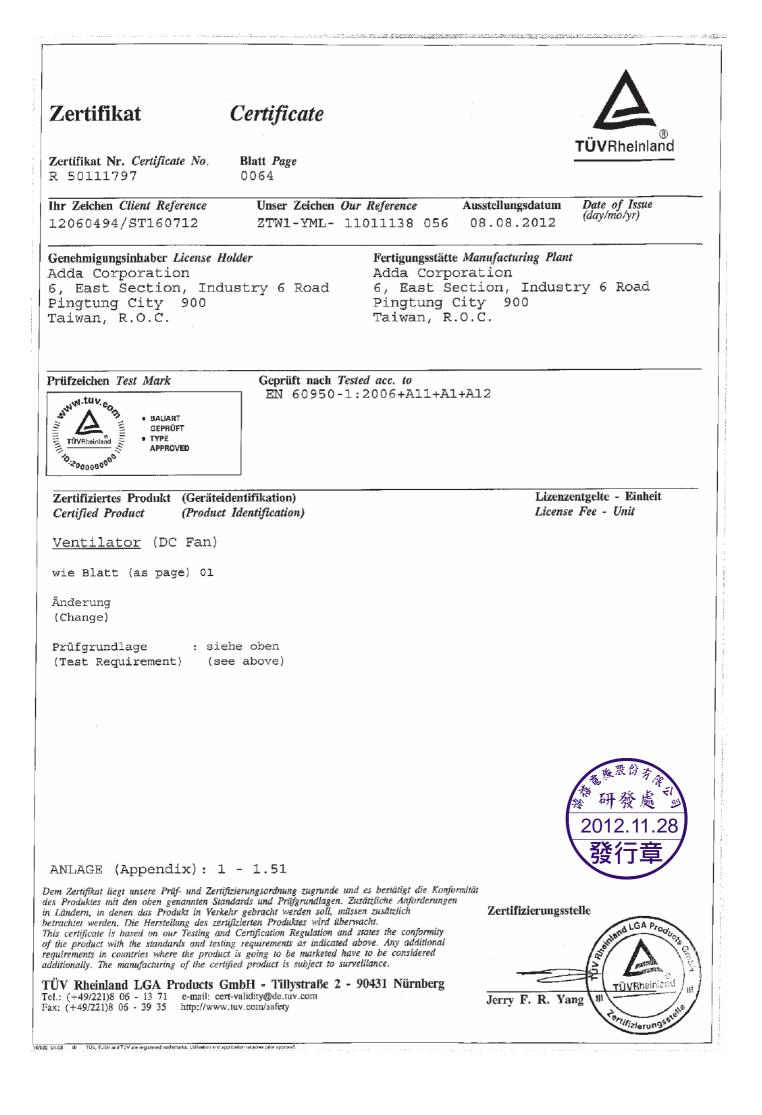


Model No.: AG06024HB207100





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Zertifikat	Certificate			LA
Zertifikat Nr. Certificate No. R 50111797	Blatt Page			TÜVRheinland
Ihr Zeichen <i>Client Reference</i> 12059288/ST110112	Unser Zeichen Our ZTW1-SSY- 110	0	usstellungsdatum 01.02.2012	Date of Issue (day/mo/yr)
Genehmigungsinhaber License H Adda Corporation 6, East Section, Ind Pingtung City 900 Taiwan, R.O.C.		Fertigungsstätte M Adda Corpora 6, East Sect Pingtung Cit Taiwan, R.O	ation tion, Indust ty 900	•
				· .
Prüfzeichen Test Mark	Geprüft nach Tester			
Prüfzeichen Test Mark				
Zertifiziertes Produkt (Gerätei Certified Product (Product	dentifikation) Identification)			entgelte - Einheit e Fee - Unit
<u>Ventilator</u> (DC Fan)				
wie Blatt (as page) 01,	Ergänzung (Addition	1)		
Bezeichnung : 1)	AG06024Z1Z2207Z300			1
(Type Designation) 2)	AG08024XB257Z100 AG05012Z1Z2205Z300			1 1
(stands for) 2)	U, H, M, L oder (or 1, 2 oder (or) 3 X, U, H, M oder (or			1
Z2 steht für : 1)	B oder (or) X			1
Z3 steht für : 1)	B, X oder (or) S 1, 2 oder (or) 3			1 感觉份太
(stands for) 3)	0 oder (or) 6			No TT 2X IS TI
	2) DC 24V			※ 研究 ∞ ∞
	3) DC 12V ehe Anlage			2012.11.28
(Rated Current) (se	e appendix)			發行草
				6
ANLAGE (Appendix): 1 Dem Zertifikat liegt unsere Prüf- und Zerti des Produktes mit den oben genannten Ste In Ländern, in denen das Produkt in Verk betrachtet werden. Die Herstellung des zen This certificate is based on our Testing ar of the product with the standards and test requirements in countries where the produ additionally. The manufacturing of the cer	ifizierungsordnung zugrunde und indards und Prüfgrundlagen. Zusc iehr gebracht werden soll, müsser tifizierten Produktes wird überwa id Certification Regulation and st ing requirements as indicated abu ct is volne to be marketed have	itztiche Anjorderungen 1 zusätzlich cht. ates the conformity ove, Any additional to be considered	ät Zertifizierungss	telle
TÜV Rheinland LGA Products (Tel.: (+49/221)8 06 - 13 71 Fax: (+49/221)8 06 - 39 35 e-mail: ce http://www N220 04.08 © TÜV, TUEY and TUV wavrigitumed tradymetika. Udfinetion and	rt-validity@de.tuv.com v.tuv.com/safety	0431 Nürnberg	Albin Yang	TÜVRheialand



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