SPECIFICATION FOR APPROVAL

MODEL NO.:	AK1/51HB	P.S.	(A I)	
DESCRIPTION:				

SPEC NO.: SA-0120130220004

ISSUE DATE: 2017.08.15

REVISION: _G

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.









ADDA ADDA CORPORATION

Printed On: 17/08/15

BRUSHLESS AXIAL COOLING FANS

Customer Ref: (RoHS) : Adda Model No AK1751HB(AT) Piece(s), Samples attached TUV:EN 60335-1:2012+A11 UL, CUL, TUV, CE Safety Approval EN 60335-2-80:2003+A1+A2 **UL:UL 507** Specifications CE: EN 55014-1:2006+A1+A2 EN 55014-2:2015 ITEM SPECIFICATION / CONDITION EN 61000-3-2:2014 **DIMENSIONS** 172x150x51 mm EN 61000-3-3:2013 BEARING TYPE TWO BALL RATED VOLTAGE 115 OPERATING VOLTAGE RANGE 120 100 VAC VAC OPERATIONG FREQUENCY 50 Hz 60 **REAL CURRENT** 0.24 0.25 Amp **REAL POWER** 27.60 26.50 Watt **RATED CURRENT** 0.24 0.25 10% Amp RATED POWER 27.60 28.80 Watt 2700 3100 RPM 10% **RATED SPEED** AIR FLOW 180.000 210.000 CFM (min: 162.00 / 189.00 CFM) AIR FLOW 5.094 5.943 **CMM** (min: 4.58 / 5.35 CMM) / (at zero static pressure) (min: 0.431 STATIC AIR PRESSURE 0.533 0.700 Inch H₂O / 0.567 Inch H₂O) mm H₂O STATIC AIR PRESSURE 13.538 17.780 (min: 10.97 14.40 mm H₂O) (at zero air flow) NOISE LEVEL 63.0 65.0 dB(A) (max.: 67.0 / 69.0 dB(A)MOTOR PROTECTION Thermal Protect LIFE EXPECTANCY 50000 Hours **25**℃ /65% RH at **NET WEIGHT** 1050 Gram. **PACKING** pcs. Per Export Carton. 10 Unless otherwise stated, the relative humidity is 65%, and the temperature is 25°C for the standard testing. Should you have any doubt, please refer to the environmental conditions specified in the acknowledgement document.

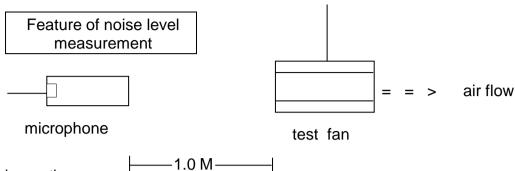
ADDA CORPORATION	Model No.:	AK1751HB(AT)		Page	1/4
------------------	------------	--------------	--	------	-----

SPECIFICATION

: This documentation defines the mechanical & electrical charcterists 1 · 0 Scope of AC brushless fans. 2 · 0 Material: 2 · 1 Housing High quality aluminum die-casting frame flated with black paint. 2 · 2 Fan blade UL 94V - 0 Glass filled polyester (P.B.T) 2 · 3 RoHS wire UL 1015, 20 AWG 2 · 4 Connector Not included in this fan. 3 · 0 Dimension & construction : All dimension, direction of rotation and air flow, rated characteristics are specifide in drawing & data-sheet of enclosed. 4 · 0 Characteristics definition: 4 · 1 Rated current : Rated current shall be measured after 30 minutes continuous rotation at rated voltage. 4 · 2 Rated speed : Rated speed shall be measured after 30 minutes continuous rotation at rated voltage. 4 · 3 Start voltage : The voltages that enable to start the fan by sudden switch on. 4 · 4 Input power : Input power shall be measured after 30 minutes continuous rotation at rated voltage. 4 · 5 Locked current : Locked current shall be measured with in one minutes or rotor locked. After 30 minutes continuous rotation at rated voltage in clean air. 4 · 6 Air flow & static pressure : The air flow data and static pressures are determined in accordance with AMCA-210 standard in a double-chamber testing with intake-side measurement.

SPECIFICATION

- 4 · 7 Noise level
- : The measurement of noise level is carried out with reference to CNS8753 in a anechoic chamber with the microphone positioned 1 M from the air intake. Testing fan shall be hung in clear air.



- 5 · 0 Mechanical inspection
 - $5 \cdot 1$ Rotation direction: Clockwise from the front face of the fan. A clear " = = > " (arrow mark) shall be found on the body of housing.
 - 5 · 2 Safe design
 All fans have intergrated protection against locked rotor condition so that there can be no damage on winding and / or any electrical components. Restart is automatic as soon as any constraint to running has been released.
 - 5 · 3 Locked rotor protection : No damage shall be found for continuous 72 hours at condition of rotation locked. Restart is automatic as soon as constraint to running has be relessed.
 - 5 · 4 Free drop shock : In minute package condition. The fan should withstand each one drop of three faces from 30 cm distance height onto 10 mm thickness of wooden board
- 6 · 0 Electrical inspection
 - 6 · 1 Insulation resistance : 100 MΩ or more at 500 V megger.
 - 6 · 2 Dielectric strength : 1 minute at 1500 VAC / 50-60Hz
- 7 · 0 Environmental
 - $7 \cdot 1$ Operating Temperature : -10° C ~ $+70^{\circ}$ C
 - $7 \cdot 2$ Humidity RH : $20 \% \sim 85 \%$ (Max)
 - $7\cdot 3\;$ Storage Temperature $\;:\;$ Will satisfy performace standards after 500

hours storage at - 40 $^{\circ}\mathrm{C}\,$ ~ 70 $^{\circ}\mathrm{C}\,$ (normal humidity) with a 24 - hour recovery period

at room temperature.

SPECIFICATION

- 7 · 4 Humidity : After 96 hrs, 95 % RH, 40 \pm 2 $^{\circ}$ C per MIL STD 202F, method 103B, Humidity test, The measured data of insulation resistance & dielectric strength should meet the specification listed in attach.
- 7 · 5 Theraml Shock : After thermal shock test per MIL STD 202F, method 107G, condition D, The measured data of insulation resistance & dielectric strength should the specification listed in datasheet.
- 7 · 6 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.

8 · 0 Remark

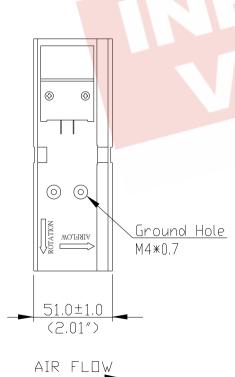
9 · 0 Drawing

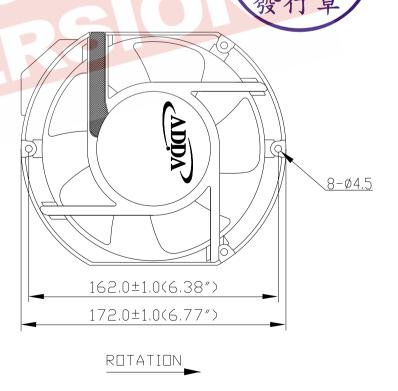
- 8 · 1 Material and construction are subject to change without advance notice. The changes should be within specification listed in this approved sheet.
- 8 · 2 All the fans shall meet the inspection under sampling plan MIL STD 105E, The AQL are as follow:

Critical AQL = 0.25 %

Major AQL = 1.00 %

Minor AQL = 2.50 %





10 ⋅ 0 Notes:

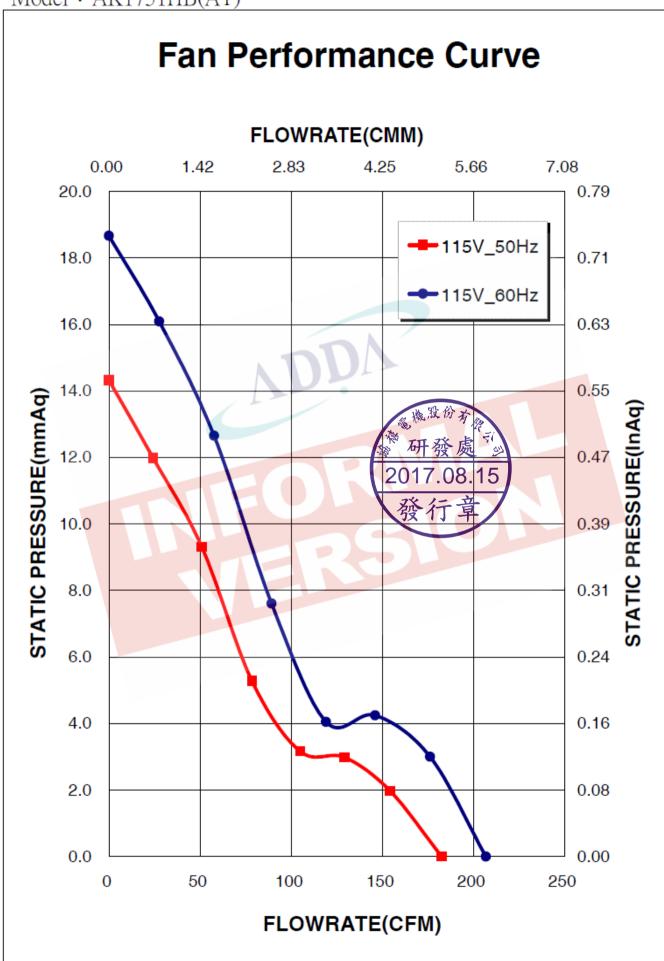
- 10.1 Please do not touch and push Fan Blade with fingers or others, fan blade and ball bearings may be damaged and it causes noise defect.
- 10.2 Do not carry the fan by its lead wires.
- 10.3. Every specific fan is designed for its certain application (project). Therefore, if you want to use this fan in other application (project), please inform ADDA first so that we can confirm whether there is any issue which might be incurred from the reason of this different application (project) or not.
- 10.4 The "Life Expectancy" of this fan has not been evaluated for use in combination with any end application. Therefore, the Life Expectancy in the Test Reports (L10 and MTTF Report) that relate to this fan is for reference only and shall not construe any kind of warranty of ADDA to the life of any specific fan, either expressed or implied.
- 10.5 The period of product warranty, unless otherwise agreed by ADDA in written, shall be 12 months staring from the date of production.





ADDA 協禧電機股份有限公司風扇測試報告

Model: AK1751HB(AT)



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for AC Fans category:

Click to view products by ADDA manufacturer:

Other Similar products are found below:

F1238H24B-FHR G9225S05B2-FSR A2D200-AA04-41 A2E165-AA17-01 AD0912HB-A7BGL 1500-FAN-01 25.001.1856.0

25.320.1353.1 25.320.4753.1 25.320.5453.1 25.330.1353.1 25.330.4853.1 25.330.5153.1 25.330.5353.1 25.340.1053.1 25.350.5253.0

25.600.4053.0 272DL-2LP11-000 A2D210-AB10-05 A2D250-AE22-06 A2E170-AF23-01 F1238S24BT-FSR 23241-3 25.000.1856.0

25.000.2056.0 25.010.1856.0 25.332.2453.1 25.340.0453.1 25.345.5353.0 281DY-1LP14-000B 298DM-2LP11-000 298DS-2LP11-000A

344DY-1LP11-000 39.703.0253.0 USTF1203224VHW 3G2C7MC224 W2S130-AA03-43 W2S130-AA25-97 8856N A4D315-AC20-02

A2E170-AF23-11 W2S130-AB03-09 8550A 8560N 8880A S4D300-AR34-17 S2E250-AE31-08 AD0405HB-G73(9T) CENT-2000-FFTM

CENT-2000-RFTM