




SPECIFICATION FOR APPROVAL

TO : _____

REF. No. _____

APPROVED DATE 	CHECKED DATE 	PREPARED DATE 
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MODEL No. AA8252HB-AW P.S. (2V)

DESCRIPTION: AC 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.



ADDA CORP.
REGISTERED TO ISO 9001
ISO/TS 16949
CERTIFICATE NO. A8035



ADDA CORPORATION

BRUSHLESS AXIAL COOLING FANS

Customer	:		Ref:	(RoHS)
Adda Model No	:	AA8252HB-AW	P.S:	(2V)
Samples attached	:	Piece(s),		
Safety Approval	:	UL,CUL,TUV,CE		TUV:EN60335-1:2002+A1+A11+A12 EN60335-2-80:2003+A1 UL:UL 507 CE:EN 55014-1:2006 EN 55014-2:1997+A1 EN 61000-3-2:2006 EN 61000-3-3:1995+A1+A2
Specifications				
ITEM		SPECIFICATION / CONDITION		
MEASUREMENTS	:	80x80x25.5	mm	
BEARING TYPE	:	BALL		
RATED	:	230	VAC ± 10%	
RATED	:	115	VAC ± 10%	
OPERATING VOLTAGE RANGE	:	220	— 240	VAC
OPERATING VOLTAGE RANGE	:	110	— 120	VAC
OPERATING FREQUENCY	:	50	/ 60	Hz
REAL CURRENT	:	0.06	/ 0.05	Amp (at 230 rated voltage)
REAL CURRENT	:	0.12	/ 0.11	Amp (at 115 rated voltage)
REAL POWER	:	11.70	/ 9.50	Watt (at 230 rated voltage)
REAL POWER	:	11.70	/ 9.50	Watt (at 115 rated voltage)
RATED CURRENT	:	0.07	/ 0.06	Amp +10% MAX (at 230 rated voltage)
RATED CURRENT	:	0.15	/ 0.13	Amp +10% MAX (at 115 rated voltage)
RATED POWER	:	16.10	/ 13.80	Watt (at 230 rated voltage)
RATED POWER	:	17.25	/ 14.95	Watt (at 115 rated voltage)
RATED SPEED	:	2300	/ 2800	RPM ± 10%
AIR FLOW	:	18.000	/ 22.000	CFM (min.: 16.200 / 19.800 CFM)
AIR FLOW	:	0.509	/ 0.622	CMM (min.: 0.458 / 0.559 CMM) (min at zero static pressure)
STATIC AIR PRESSURE	:	0.100	/ 0.155	Inch H ₂ O (min.: 0.081 / 0.125 Inch H ₂ O)
STATIC AIR PRESSURE	:	2.540	/ 3.937	mm H ₂ O (min.: 2.057 / 3.188 mm H ₂ O) (min at zero air flow.)
NOISE LEVEL	:	21.0	/ 27.8	dB (A) (max.: 25 / 31.8 dB(A))
MOTOR PROTECTION	:	Impedance	Protected	
LIFE EXPECTANCY	:	50000	Hours at	25°C / 65%
NET WEIGHT	:	210	Gram.	
PACKING	:	100	pcs. Per Export Carton.	

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.



SPECIFICATION

1 · 0 Scope : This documentation defines the mechanical & electrical characteristics 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 Bearing Sys Oil impregnated sleeve
 Ball Bearing : Japan
 Hypro Bearing
 one Ball one Sleeve
 RoHS

2 · 4 RoHS wire UL 1430 , 22 AWG

2 · 5 Connector Not included in this fan
 Note as : _____

3 · 0 Dimension & construction : All dimension, direction of rotation and air flow, rated characteristics are specificde 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.

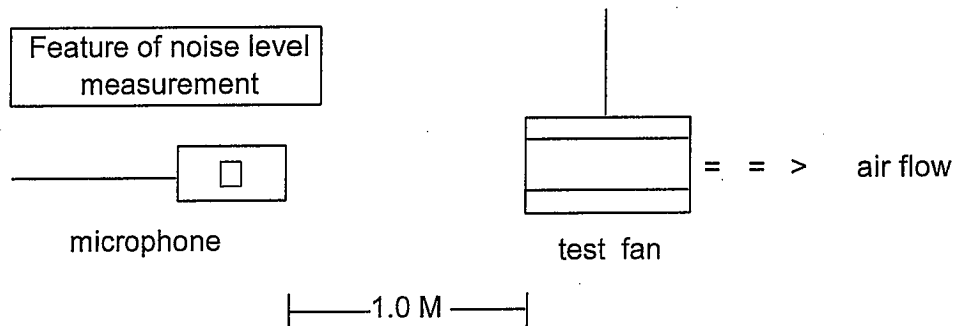
4 · 5 Locked current : Locked current shall be measured with in one minutes or rotor locked , After 30 minutes continuous rotation at rated voltage in clean air.

4 · 6 Air flow & static pressure : The air flow data and static pressures are determined in accordance with AMCA-210 standard or DIN 24163 specification in a double-chamber testing with



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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 · 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 releessed.

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 · 1 Operating Temperature : - 10°C ~ + 70°C

7 · 2 Humidity RH : 20 % ~ 85 % (Max)

7 · 3 Storage Temperature : Will satisfy performace standards after 500 hours storage at - 40 °C ~ 70 °C (normal humidity) with a 24 - hour recovery period at room temperature.



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7 · 4 Humidity : After 96 hrs, 95 % RH, $40 \pm 2 \text{ }^\circ\text{C}$ 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 Thermal 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.

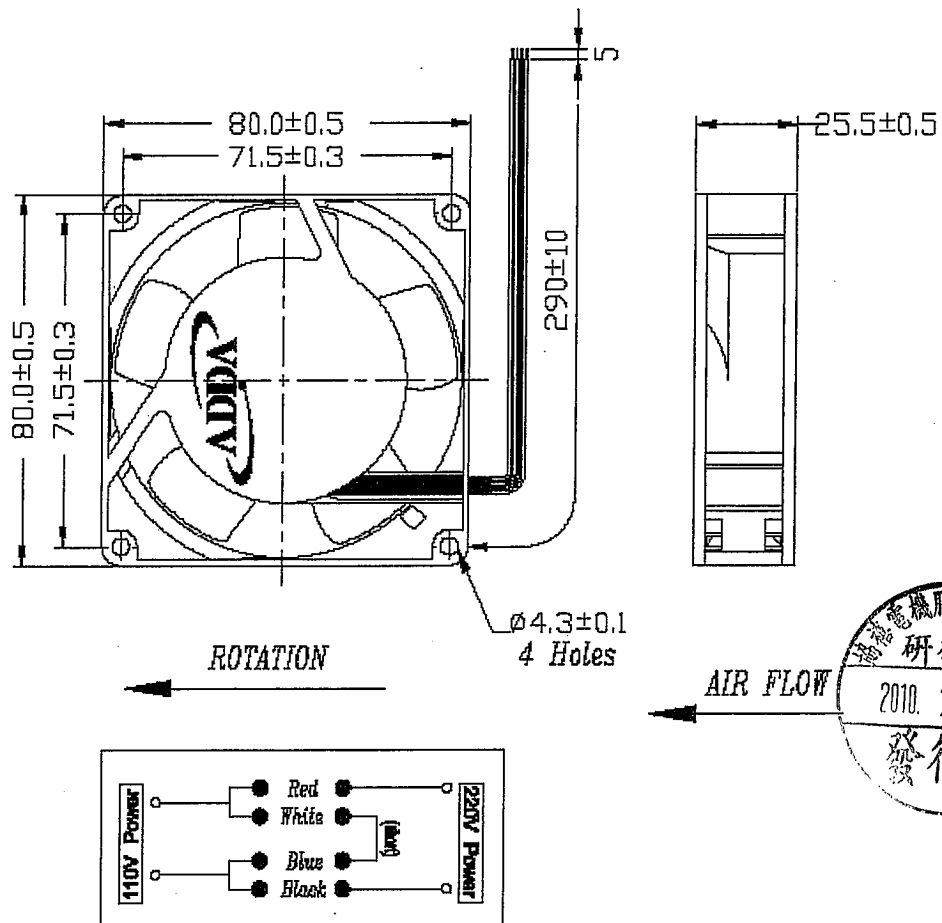
8 · 0 Remark

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 %

9 · 0 Drawin

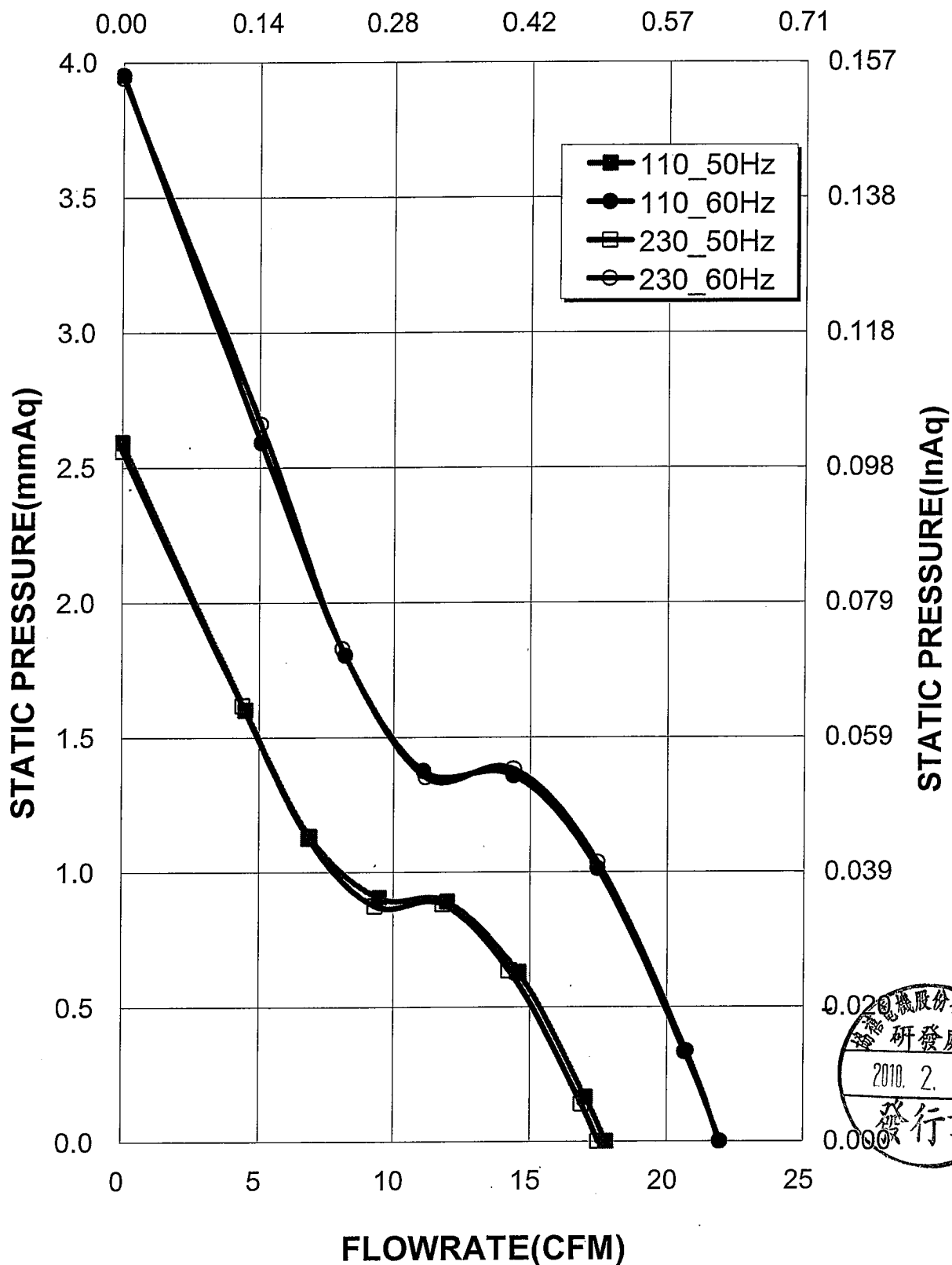




Model : AA8252HB-AW(2V)

Fan Performance Curve

FLOWRATE(CMM)



Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50039222

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Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i> (day/mo/yr)
12029474	ZTW2-HJL- 11002035 005	04.01.2005	

Genehmigungsinhaber *License Holder*
Adda Corporation
6, East Section, Industry 6 Road
Pingtung City 900
Taiwan, R.O.C.

Fertigungsstätte *Manufacturing Plant*
Adda Corporation
6, East Section, Industry 6 Road
Pingtung City 900
Taiwan, R.O.C.

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*
EN 60335-1:1994+A1+A2+A11-A16
EN 60335-2-80:1997

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Ventilator (AC Fan)

Wie Blatt (As Page) 01

Ergänzung (Addition)

Bezeichnung : AAX1X2X3X4-AX5 series

(Type Designation)

X1 steht für (stands for) : 825, 925 oder (or) 125

X2 steht für (stands for) : 1 oder (or) 2

X3 steht für (stands for) : H oder (or) M

X4 steht für (stands for) : B oder (or) S

X5 steht für (stands for) : W oder (or) T



1
1
1
1
1
1

Bemessungsspannung : siehe Aufbauübersicht
(Rated Voltage) (see constructional dataform)

Bemessungsstrom : siehe Aufbauübersicht
(Rated Current) (see constructional dataform)

6

ANLAGE (Appendix): 1.3

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above-mentioned requirements, the production is subject to surveillance.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln

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Zertifizierungsstelle



Dipl.-Ing. M. Kröger

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50039222

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0010

Ihr Zeichen *Client Reference*
12036932

Unser Zeichen *Our Reference*
ZTW2-HJL- 11002035 007

Ausstellungsdatum
02.01.2006

Date of Issue
(day/mo/yr)

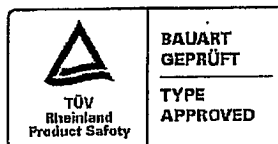
Genehmigungsinhaber *License Holder*

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6, East Section, Industry 6 Road
Pingtung City 900
Taiwan, R.O.C.

Fertigungsstätte *Manufacturing Plant*

Adda Corporation
6, East Section, Industry 6 Road
Pingtung City 900
Taiwan, R.O.C.

Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*

EN 60335-1:2002+A1+A11
EN 60335-2-80:2003+A1

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Ventilator (AC Fan)

Wie Blatt (As Page) 01

Änderung (Change)

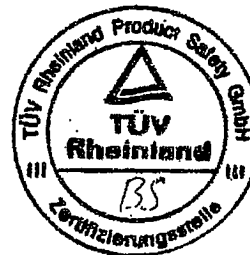
Prüfgrundlage : siehe oben
(Test Requirement) (see above)

ANLAGE (Appendix): 1.5

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Zertifizierungsstelle 2010. 2. 06

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