
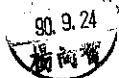




SPECIFICATION FOR APPROVAL

TO : _____

REF. No. _____

| | | |
|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| APPROVED DATE  | CHECKED DATE   | PREPARED DATE  |
|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|

MODEL No. AA1282HB-AW P.S. (2V)

DESCRIPTION: AC FAN 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 DULLY
SIGNED AS YOUR CONFIRMATION OF SAME.



ADDA CORPORATION



DATA SHEET

Printed on: / /

| | | | |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------|
| CUSTOMER : | | ID. | |
| PRODUCT RANGE : AC FAN | | MODEL NO.: AA1282HB-AW | P.S:(2V) |
| SAMPLES: | <input type="checkbox"/> ATTACHED: <input type="checkbox"/> ENGINEERING SAMPLE <input type="checkbox"/> PRE-PRODUCTION SAMPLE <input type="checkbox"/> PRODUCTION SAMPLE | PCS., REF.: | |
| SAFETY APPROVAL / STANDARD | | | |
| <input type="checkbox"/> UL | <input type="checkbox"/> CUL | <input type="checkbox"/> CSA | <input type="checkbox"/> TUV |
| <input type="checkbox"/> CE | <input type="checkbox"/> BS | <input type="checkbox"/> T-MARK | <input type="checkbox"/> GS |
| SPECIFICATIONS | | | |
| ITEM | | SPECIFICATION / CONDITIONS | |
| MEASUREMENTS | : | 120 x 120 x 38.5 MM | |
| BEARING TYPE | : | <input type="checkbox"/> SLEEVE <input type="checkbox"/> BALL <input type="checkbox"/> HYPRO | |
| RATED VOLTAGE | : | 230 VAC+/-10% | |
| | : | 115 VAC+/-10% | |
| OPERATING VOLTAGE RANGE | : | 220 - 240 VAC | |
| | : | 110 - 120 VAC | |
| OPERATING FREQUENCY | : | 50 / 60 Hz | |
| RATED CURRENT | : | 0.12 / 0.10 A (at 230 rated voltage) | |
| | : | 0.25 / 0.21 A (at 115 rated voltage) | |
| INPUT POWER | : | 16.0 / 14.0 Watt (at 230 rated voltage) | |
| | : | 16.3 / 14.2 Watt (at 115 rated voltage) | |
| RATED SPEED | : | 2600 / 2900 RPM+/-10% | |
| AIR FLOW | : | 83.0 / 93.0 CFM (min at zero static pressure.) | |
| STATIC PRESSURE | : | 0.28 / 0.25 INCH-H2O (min at zero air flow.) | |
| NOISE LEVEL | : | 42.2 / 44.5 dB | |
| NET WEIGHT | : | 550 GRAM. | |
| PACKING | : | 40 PCS. PER EXPORT. CARTON. | |
| 協禧電機股份有限公司 ADDA CORPORATION | | MODEL NO.: AA1282HB-AW P.S:(2V) | PAGE 1/5 |



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 or

☒ Ball Bearing : Japan

☐ Hypro Bearing

☐ one Ball, one Sleeve

2.4 Lead wire UL 1430 , 22AWG

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 specified 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.



協禧電機股份有限公司
ADDA CORP

AC FAN SERIES

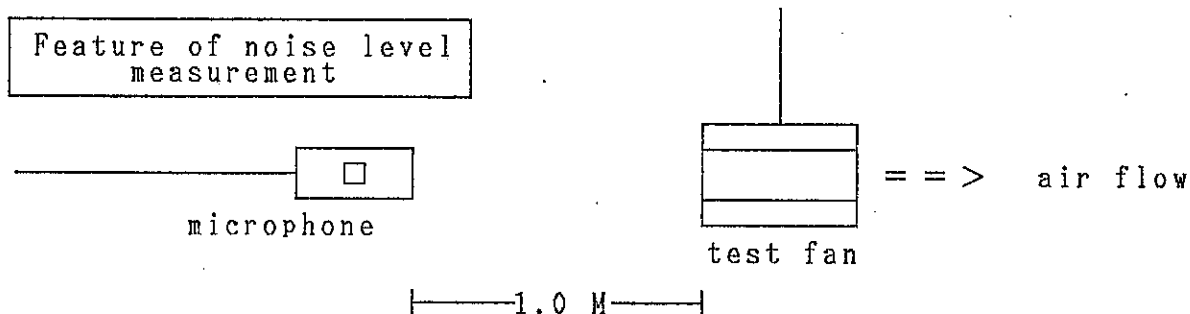
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= = = = = S P E C I F I C A T I O N = = = = =

4.5 Locked current : Locked current shall be measured within one minute 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 standard or DIN 24163 specification in a double-chamber testing with intake-side measurement.

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 clean 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.



S P E C I F I C A T I O N

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 released.

5.5 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 : 100MΩ or more at 500V megger

6.2 Dielectric strength : 1 minute at 1200 VAC/50-60Hz

| Bearing type | Temperature | Hours |
|----------------|-------------|-------|
| Sleeve bearing | 25°C | 31000 |
| | 50°C | 15000 |
| | 70°C | 10000 |
| Ball bearing | 25°C | 50000 |
| | 50°C | 30000 |
| | 70°C | 20000 |



SPECIFICATION

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7.0 Environmental

7.1 Operating Temperature : $-10^{\circ}\text{C} \sim +80^{\circ}\text{C}$

7.2 Humidity RH : 20%~85% (Max)

7.3 Storage Temperature : Will satisfy performance storage at $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (normal humidity) with a 24-hour recovery period at room temperature.

7.4 Humidity : After 96 hrs, 95% RH, $40 \pm 2^{\circ}$ 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-105D, The AQL are as follow :

| | |
|----------|--------------|
| Critical | AQL = 0.25 % |
| Major | AQL = 1.0 % |
| Minor | AQL = 205 % |

9.0 Drawing

