BRUSHLESS AXIAL COOLING FAN

CUSTOMER :	ID:
PRODUCT RANGE : AC FAN	MODEL NO: AA2582HB-AWSC

SAMPLES: [ ] ATTACHED PCS., REF. PCS
[∨] ENGINEERING SAMPLE
[ ] PRE-PRODUCTION SAMPLE
[ ] PRODUCTION SAMPLE

SAFETY APPROVAL / STANDARD

[ ] UL [ ] CUL [ ] CSA [ ] TUV
[∨] CE [ ] BS [ ] T-MARK [ ] GS

SPECIFICATIONS

ITEM		SPECIFICATION / CONDITIONS
MEASUREMENTS	:	254 × 89 MM
BEARING TYPE	:	[ ] SLEEVE [∨] BALL [ ] HYPRO
RATED VOLTAGE	:	230 VAC
OPERATING VOLTAGE RANGE	:	220-240 VAC
OPERATING FREQUENCY	:	50／60 Hz
RATED CURRENT	:	0.27／0.31 A +10% ↓
INPUT POWER	:	67.0／75.0 Watt ↓
RATED SPEED	:	2100／1900 RPM ±10%
AIR FLOW	:	640.0／566.0 CFM ±10%
STATIC PRESSURE	:	0.385／0.300 INCH-H20 (min at zero air flow)
NOISE LEVEL	:	67.5／65.3 dB/A
NET WEIGHT	:	2400 GRAM
PACKING	:	6PCS PER EXPORT CARTON

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

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1.0 Scope ： This documentation defines the mechanical & electrical charcterists of AC brush less 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

■ Lead Free : (V) YES

2.4 Lead wire UL 1007,22AWG

2.5 Connector ☐ Not included in this fan

☐ Note as：_____

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3.0 Dimension & construction：All dimension, direction of rotation and air flow, rated characteristics are specification in drawing & data-sheet of enclosed.

4.0 Characteristics definition：

4.1 Rated current：Rated current shall be measured after 3 minutes continuous rotation at rated voltage.

4.2 Rated speed：Rated speed shall be measured after 3 minutes continuous rotation at rated voltage.

4.3 Start voltage：The voltages that enable to start the fan by sudden switch on.

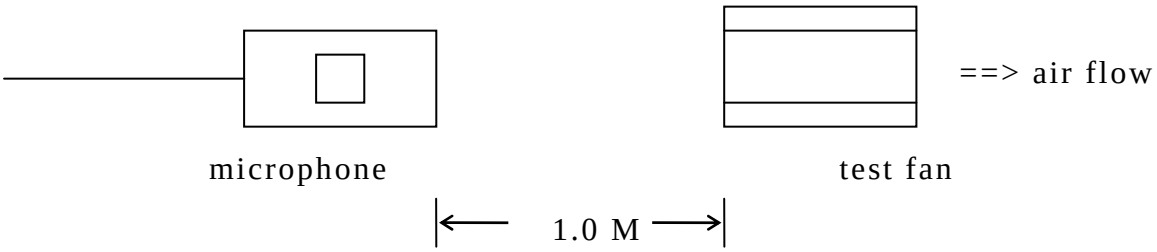
4.4 Input power：Input power shall be measured after 3 minutes continuous rotation at rated voltage.

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 DIM 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 DIM 45635 in a anechoic chamber with the microphone positioned 1 M form the air intake. Testing fan shall be hung in clean air.

Feature of noise level measurement



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 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 1500 VAC / 50-60Hz

AC(60Hz) 1000V 3M, or 1500V. (2 SEC)

Bearing type	Temperature	Hours
Sleeve bearing		
Ball bearing	40℃	60000
Hypro bearing		

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

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7.0 Environmental

7.1 Operating Temperature：-10℃ ～ +80℃

7.2 Humidity RH：20% ～85% (Max)

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

7.4 Humidity：After 96 hrs, 95% RH, 40±2°per MIL-STD-202F,method103B, 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 data sheet.

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 = 2.5 %

9.0 Drawing