

BRUSHLESS AXIAL COOLING FAN

CUSTOMER :		ID:
PRODUCT RANGE : AC FAN		MODEL NO: AA2582HB-AWSC
SAMPLES: <input type="checkbox"/> ATTACHED <input checked="" type="checkbox"/> ENGINEERING SAMPLE <input type="checkbox"/> PRE-PRODUCTION SAMPLE <input type="checkbox"/> PRODUCTION SAMPLE		PCS., REF. _____ PCS _____
SAFETY APPROVAL / STANDARD		
<input type="checkbox"/> UL <input type="checkbox"/> CUL <input type="checkbox"/> CSA <input type="checkbox"/> TUV <input checked="" type="checkbox"/> CE <input type="checkbox"/> BS <input type="checkbox"/> T-MARK <input type="checkbox"/> GS		
<u>SPECIFICATIONS</u>		
<u>ITEM</u>	<u>SPECIFICATION / CONDITIONS</u>	
MEASUREMENTS	: 254 × 89 MM	
BEARING TYPE	: <input type="checkbox"/> SLEEVE <input checked="" type="checkbox"/> BALL <input type="checkbox"/> 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-H2O (min at zero air flow)	
NOISE LEVEL	: 67.5/65.3 dB/A	
NET WEIGHT	: 2400 GRAM	
PACKING	: 6PCS PER EXPORT CARTON	
JARO THERMAL	MODEL NO.: AA2582HB-AWSC	PAGE 1 / 5

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

1.0 Scope : This documentation defines the mechanical & electrical characteristics 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: _____

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.

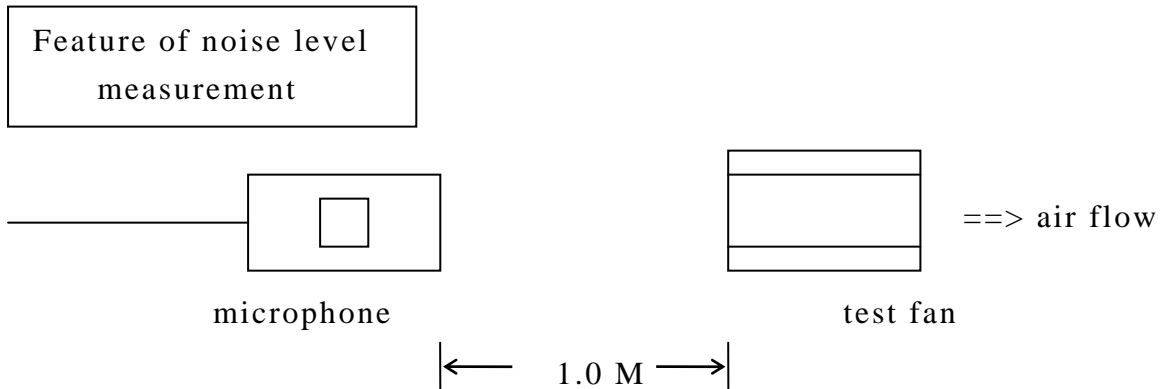
S P E C I F I C A T I O N

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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.



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

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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 : 100M Ω 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°C	60000
Hypro bearing		

