SPECIFICATION FOR APPROVAL	
MODEL NO. : AA8381HB-AT P.S DESCRIPTION :	
SPEC NO. : SA-0120101115021 ISSUE DATE : 2017.07.04	
REVISION : C	
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.	
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ADDA ADDA CORPORATION	┍ _┛ ╝
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Engineering

BRUSHLESS AXIAL COOLING FANS

Printed On: 17/07/04

BRUSHLESS AXIAL COOLING FAN									Ref:	(RoHS)
Adda Model No	•	AA8381							IXEI.	(10110)
Samples attached	•	AA0301		(0)						
			Piece	. ,						
Safety Approval <u>Specifications</u>	:	UL,CUL	UL,CUL,TUV, CE TUV:EN 60335-1:2012+A EN 60335-2-80:2003+A1 UL:UL 507 CE: EN 55014-1:2006+A1			+A1+A2				
ITEM SP	ECIF	ICATION	/ CON	<u>NDITION</u>			55014-1:2 14-2:201		0+A1+A2	
DIMENSIONS	:	80x80x3	38	mm	EN 61000-3-2:2014					
BEARING TYPE	:	TWO B	ALL			EN 610	00-3-3:20	13		
RATED VOLTAGE	:	115	VAC							
OPERATING VOLTAGE RANGE	:	110	VAC	_	120	VAC				
OPERATIONG FREQUENCY	:	50	1	60	Hz					
REAL CURRENT	:	0.14	/	0.11	Amp					
REAL POWER	:	10.90	1	8.10	Watt					
RATED CURRENT	:	0.13	1	0.10	Amp	+	10%			
RATED POWER	:	15.00	1	11.50	Watt					
RATED SPEED	:	2400		2800	RPM	±	10%			
AIR FLOW	:	24.000	/	29.600	CFM	(min:	21.600	/	<mark>26.</mark> 640	CFM)
AIR FLOW	:	0.680	1	0.838	СММ	(min:	0.612	/	0.754	CMM)
			1	(at zero	static press	ure)				
STATIC AIR PRESSURE	:	0.110		0.166	Inch H ₂ O	(min:	0.099	/	0.149	Inch H ₂ O)
STATIC AIR PRES <mark>SURE</mark>	:	2.794		4.216	mm H ₂ O	(min:	2.515	/	3.794	mm H ₂ O)
			1	(at zero	air flow)					
NOISE LEVEL	:	25.3	/	31.6	dB(A)	(max.:	29.3	/	35.6	dB(A))
MOTOR PROTECTION	:	Impedar	nce	Protect	-					
LIFE EXPECTANCY	:	50000	Hours	at	40 ℃	/ 65%	RH			
NET WEIGHT	:	320	Gram.							
PACKING	:	60	pcs. F	Per Export	Carton.		4		激股份	L. RE
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	M	odel No.:		AA8381H	IB-AT				Paç	je 1/4

SPECIFICATION

1 · 0	Scope : This docum of AC brus		on defines the mechanical & electrical charct fans.	erists				
2 · 0	2 · 0 Material :							
	2 · 1 Housing	-	quality aluminum die-casting frame flated wit paint.	h				
	2 · 2 Fan blade	UL 9	4V - 0 Glass filled polyester (P.B.T)					
	2 · 3 RoHS wire	UL	1430 , 22 AWG					
	2 · 4 Connector		Not included in this fan Note as :					
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 definitio	n :						
	4 · 1 Rated current ∶		d current shall be measured after 30 minutes inuous rotation at rated voltage.					
	4 · 2 Rated speed :		ed speed shall be measured after 30 minutes inuous rotation at rated voltage.					
	4 · 3 Start voltage		voltages that enable to start the fan by sudde ch on.	en				
	4 · 4 Inp <mark>ut powe</mark> r		t power shall be measured after 30 minutes					
 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								
		ir	ntake-side measurement.					
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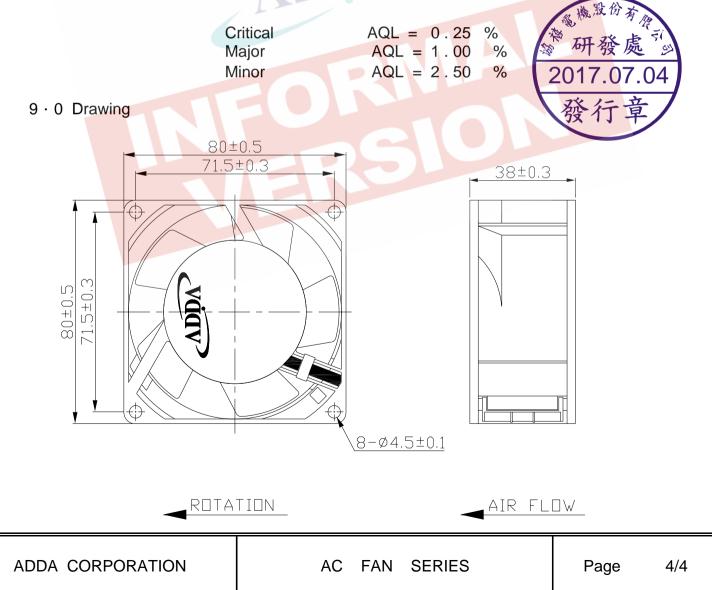
SPECIFICATION

 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. 						
Feature of noi measurem						
]] = = >	air flow				
microphone	test fan					
$5 \cdot 0$ 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 · 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℃ ~ +70℃ 7 · 2 Humidity RH : 20% ~ 85% (Max) 7 · 3 Storage Temperature : Will satisfy performace standards after 500 hours storage at - 40 ℃ ~ 70 ℃ (normal humidity) with a 24 - hour recovery period at room temperature. 研發處 2017.07.04 發行章						
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- 7 · 4 Humidity : After 96 hrs, 95 % RH, 40 \pm 2 °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

- 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 :

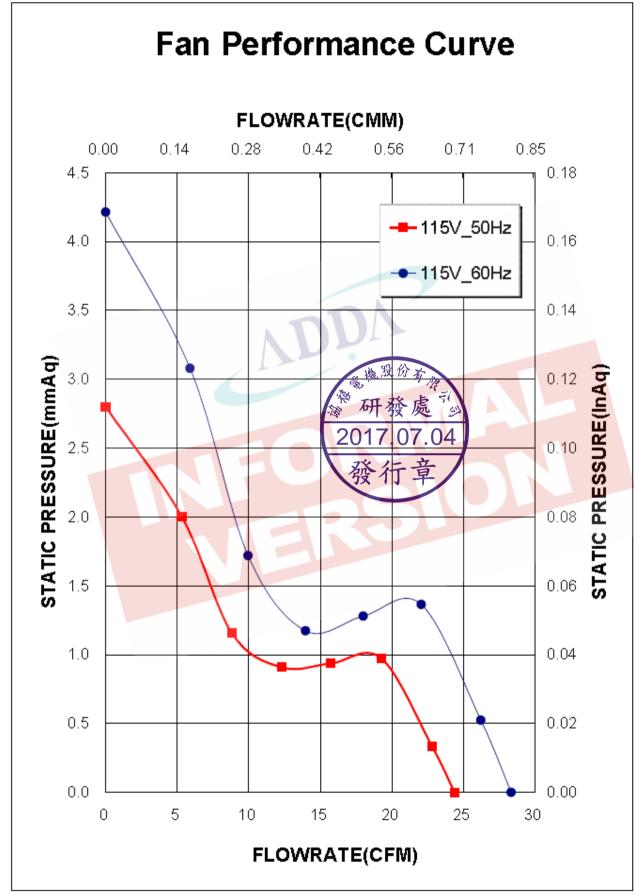


$10 \cdot 0$ Notes:

- 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: AA8381HB-AT



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ADDA: AA8381HB-AT-LF