SPECIFICATION FOR APPROVAL
MODEL NO. : AA8381MB-AT P.S DESCRIPTION :
SPEC NO. : SA-0120131017012 ISSUE DATE : 2019.05.28
REVISION : B 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.
藤服命ず後 一部を處ご 2019.05.28 發行章
ADDA CORPORATION

Engineering

BRUSHLESS AXIAL COOLING FANS

Printed On: 19/05/28

Customer	:								Ref:	(RoHS)
Adda Model No	:	AA8381	MB-AT							
Samples attached	:		Piece	e(s),						
Safety Approval	:	UL,CUL	,TUV, C	ЭE		TUV:EN 6	0335-1:2	012-	+A11	
					_	EN 60335 UL:UL 50)3+4	A1+A2	
Specifications						CE: EN 55		06+	41+A2	
ITEM SP	PECIF	ICATION	/ CO	<u>NDITION</u>		EN 55014 EN 61000		1		
DIMENSIONS	:	80x80x3	88	mm		EN 61000				
BEARING TYPE	:	TWO BA	ALL							
RATED VOLTAGE	:	115	VAC							
OPERATING VOLTAGE RANGE	:	110	VAC		120	VAC				
OPERATIONG FREQUENCY	:	50	1	60	Hz					
REAL CURRENT	:	0.07	/	0.06	Amp					
REAL POWER	:	7.60	1	6.50	Watt					
RATED CURRENT	:	0.08	1	0.07	Amp	+	10%			
RATED POWER	:	8.00	1	7.00	Watt					
RATED SPEED	:	2300	1	2400	RPM	±	10%			
AIR FLOW	:	24.000	1	25.000	CFM	(min:	21.600	/	22.500	CFM)
AIR FLOW	:	0.680	1	0.708	CMM	(min:	0.612	/	0.637	CMM)
			/	(In free	air at rated	l voltage)				
STATIC AIR PRE <mark>SSURE</mark>	:	0.108	1	0.118	Inch H ₂ C) (min:	0.097	/	0.106	Inch H ₂ O
STATIC AIR PRES <mark>SURE</mark>	:	2.740	1	3.001	mm H ₂ O	(min:	2.466	/	2.701	mm H ₂ O)
			/	(In free	air at rateo	l voltage)				
NOISE LEVEL	:	25.3	/	26.2	dB(A)	(max.:	29.3	/	30.2	dB(A))
MOTOR PROTECTION	:	Impedar	nce	Protect						
LIFE EXPECTANCY	:	50000	Hours	at at	40 °C	/ 65%	RH			
NET WEIGHT	:	320	Gram							
PACKING	:	60	pcs. I	Per Export	Carton.		88	機	投份有成	4
Unless otherwise stated, the relative humidity is 65%, and the temperature is 25℃ for the standard testing. Should you have any doubt, please refer to the environmental conditions specified in the acknowledgement document.										
ADDA CORPORATION	М	odel No.:		AA8381N	IB-AT				Pa	ge 1/4

SPECIFICATION

1 · 0 Scope ∶ This docum of AC brush 2 · 0 Material ∶	nentation defines the mechanical & electrical charcterists hless fans.	
2 · 1 Housing	High quality aluminum die-casting frame flated with black paint.	
$2 \cdot 2$ Fan blade	UL 94V - 0 Glass filled polyester (P.B.T)	
$2 \cdot 3$ RoHS wire	UL 1430 , 22 AWG	
2 · 4 Connector	 Not included in this fan Note as : 	_
3 · 0 Dimension & construction	on : All dimension, direction of rotation and air flow, rated characteristics are specifide in drawing & data-sheet of enclosed.	
4 · 0 Characteristics definition	n:	
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 In <mark>put power</mark> :	Input power shall be measured after 30 minutes	
4 · 5 Locked current	 continuous rotation at rated voltage. Locked current shall be measured with in one minutes or rotor locked, After 30 minutes continuous rotation rated voltage in clean air. 	at
4 · 6 Air flow & stati	c pressure : The air flow data and static pressures are determined in accordance with AMCA-210 standard	1
	in a double-chamber testing with intake-side measurement.	I
	20	^{機股份有食} 研發處 ^了 》 19.05.28 發行章
ADDA CORPORATION	AC FAN SERIES Pa	age 2/4

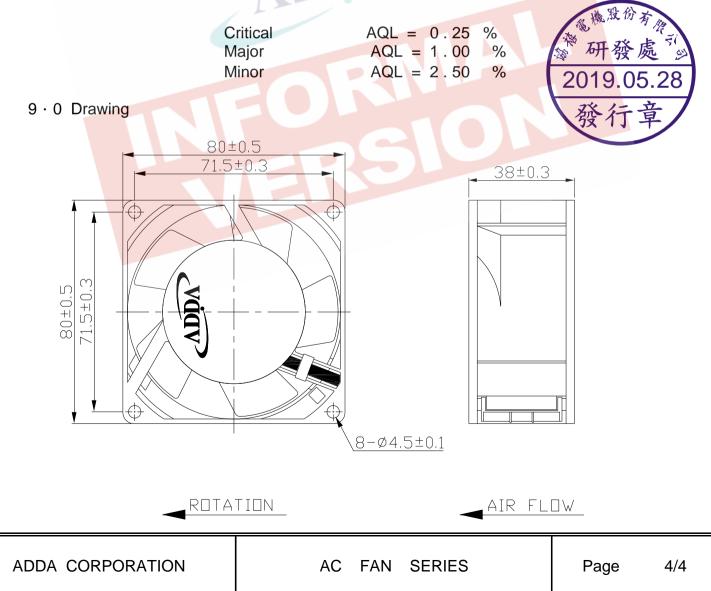
SPECIFICATION

refo the	The measurement of noise level is carried or erence to CNS8753 in a anechoic chamber v microphone positioned 1 M from the air inta sting fan shall be hung in clear air.	with
Feature of noi measuren		air flow
microphone	test fan	
5 · 0 Mechanical inspection		
" =	lockwise from the front face of the fan. A clear = > " (arrow mark) shall be found on the b using .	oody
condi and /	ns have intergrated protection against locked re ition so that there can be no damage on windin or any electrical components. Restart is autom oon as any constraint to running has been relea	ng natic
hours	No damage shall be found for continuous sat condition of rotation locked. Restart is auto on as constraint to running has be relessed.	
each	minute package condition. The fan should with one drop of three faces from 30 cm distance h 10 mm thickness of wooden board	neight
6 · 0 Electrical inspection		魔機股份有食
6 · 1 Insulation resistance	100 MO or more at 500 V medder	2019.05.28
6 · 2 Dielectric strength	1 minute at 1500 VAC / 50-60Hz	發行童
 7 ⋅ 0 Environmental 7 ⋅ 1 Operating Temperature 7 ⋅ 2 Humidity RH : 20 % 7 ⋅ 3 Storage Temperature 		
ADDA CORPORATION	AC FAN SERIES	Page 3/4

- 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 :



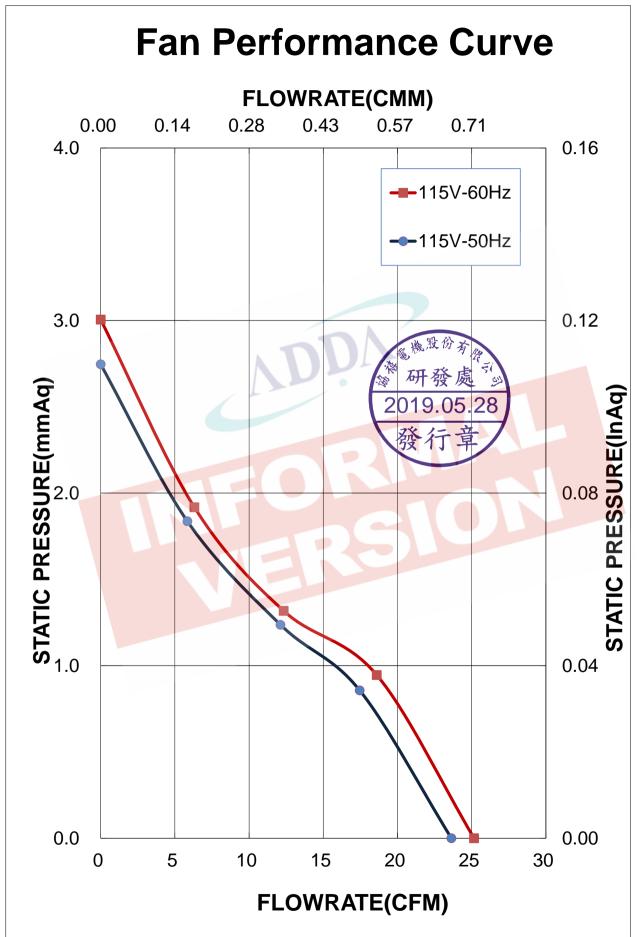
$10 \cdot 0$ Notes:

- 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: AA8381MB-AT



Mouser Electronics

Authorized Distributor

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

ADDA: AA8381MB-AT-LF