

# SPECIFICATION FOR APPROVAL

Customer.	STD	
Description.	DC FAN	
Customer Part No		REV.
Delta Model No.	AFB02512HA-CF00	REV. 00
Sample Issue No		
Sample Issue Date.	JUL-10-2020	

PLEASE SEND ONE COPY OF THIS SPECIFICATION BACK AFTER YOU SIGNED APPROVAL FOR PRODUC-TION PRE-ARRANGEMENT.

APPROVED BY :

DATE:

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## STATEMENT OF DEVIATION

DESCRIPTION :		

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### SPECIFICATION FOR APPROVAL

Customer:	STD	
Description:	DC FAN	
Customer P/N:		REV:
Delta Model NO.:	AFB02512HA-CF00 Delta safety	model NO.: AFB02512HA-C
Sample Rev:	00	Issue NO:
Sample Issue Dat	e: JUL-10-2020	Quantity:

#### 1. SCOPE:

THIS SPECIFICATION DEFINES THE ELECTRICAL AND MECHANICAL CHARACTERISTICS OF THE DC BRUSHLESS AXIAL FLOW FAN.

#### 2. CHARACTERS:

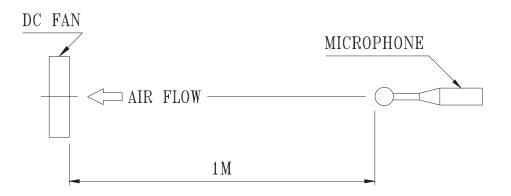
ITEM	DESCRIPTION
RATED VOLTAGE	12 VDC
OPERATION VOLTAGE	10.8 - 13.2 VDC
INPUT CURRENT(AVG.)	0.06 (MAX. 0.10) A SAFETY CURRENT ON LABEL :0.10
INPUT POWER(AVG.)	0.72 (MAX. 1.20) W
SPEED	10000±20% R.P.M.
MAX. AIR FLOW (AT ZERO STATIC PRESSURE)	0.052 (MIN. 0.041 ) M <sup>3</sup> /MIN. 1.84 (MIN. 1.44 ) CFM
MAX. AIR PRESSURE (AT ZERO AIRFLOW)	4.48 (MIN. 2.95 ) $\rm mmH_20$ 0.176 (MIN. 0.116 ) $\rm inchH_20$
ACOUSTICAL NOISE (AVG.)	23.5 (MAX. 26.0) dB-A
INSULATION TYPE	UL: CLASS A

(continued)

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INSULATION STRENGTH	10 MEG OHM MIN. AT 500 VDC (BETWEEN FRAME AND (+) TERMINAL)
DIELECTRIC STRENGTH	5 mA MAX. AT 500 VAC 50/60 Hz ONE MINUTE, (BETWEEN FRAME AND (+) TERMINAL)
LIFE EXPECTANCE (AT LABEL VOLTAGE)	30,000 HOURS CONTINUOUS OPERATION AT 40 °C WITH 15 ~ 65 %RH.
ROTATION	CLOCKWISE VIEW FROM NAME PLATE SIDE

- NOTES: 1. ALL READINGS ARE MEASURED AFTER STABLY WARMING UP THROUGH 10 MINUTES.
  - 2. STANDARD AIR PROPERTY IS AIR AT (Td) 25°C TEMPERATURE, (RH) 65% RELATIVE HUMIDITY, AND (Pb) 760 mmHg BAROMETRIC PRESSURE.
  - 3. THE VALUES WRITTEN IN PARENS, ( ), ARE LIMITED SPEC.
  - 4. ACOUSTICAL NOISE MEASURING CONDITION:



NOISE IS MEASURED AT RATED VOLTAGE IN FREE AIR IN SEMI-ANECHOIC CHAMBER WITH MICROPHONE AT A DISTANCE OF ONE METER FROM THE FAN INTAKE.

DELTA MODEL: AFB02512HA-CF00

3–1. DIMENSIONS —	- SEE DIMENSIONS DRAWING
3–2. FRAME —	PLASTIC UL: 94V-0
3–3. IMPELLER —	PLASTIC UL: 94V-0
3-4. BEARING SYSTEM	——————————————————————————————————————
3-5. WEIGHT	8.0 GRAMS(REF)
4. ENVIRONMENTAL:	
4-1. OPERATING TEMPERATURE	— −10 TO +70 DEGREE C
4-2. STORAGE TEMPERATURE	— -40 TO +75 DEGREE C
4-3. OPERATING HUMIDITY	5 TO 90 % RH
4-4. STORAGE HUMIDITY	5 TO 95 % RH

#### 5. PROTECTION:

5-1. LOCKED ROTOR PROTECTION

IMPEDANCE OF MOTOR WINDING PROTECTS MOTOR FROM FIRE IN 96 HOURS OF LOCKED ROTOR CONDITION AT THE RATED VOLTAGE.

5-2. POLARITY PROTECTION

BE CAPABLE OF WITHSTANDING IF REVERSE CONNECTION FOR POSITIVE AND NEGATIVE LEADS.

6. RE OZONE DEPLETING SUBSTANCES:

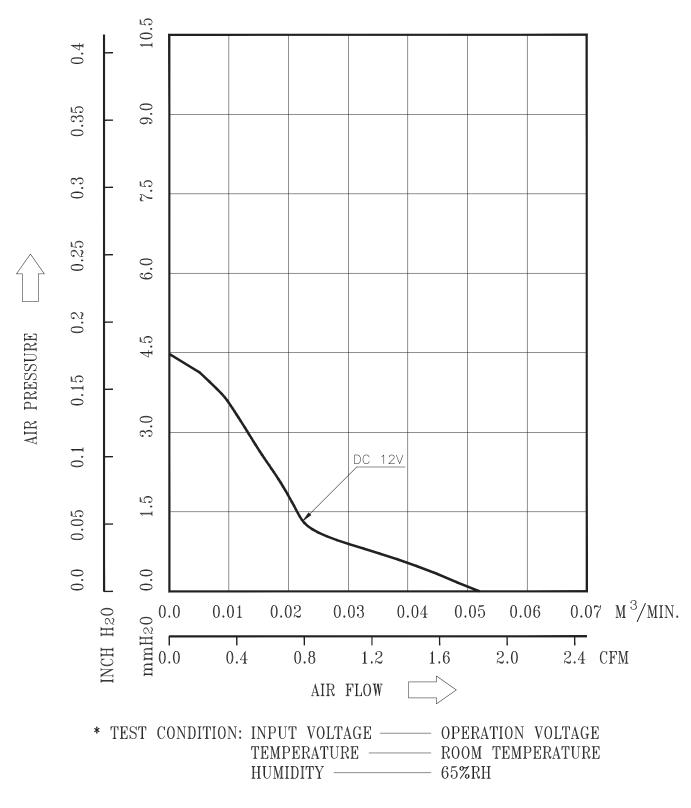
6-1. NO CONTAINING PBBs, PBB0s, CFCs, PBBEs, PBDPEs AND HCFCs.

7. PRODUCTION LOCATION

7-1. PRODUCTS WILL BE PRODUCED IN CHINA OR THAILAND .

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8. P & Q CURVE:

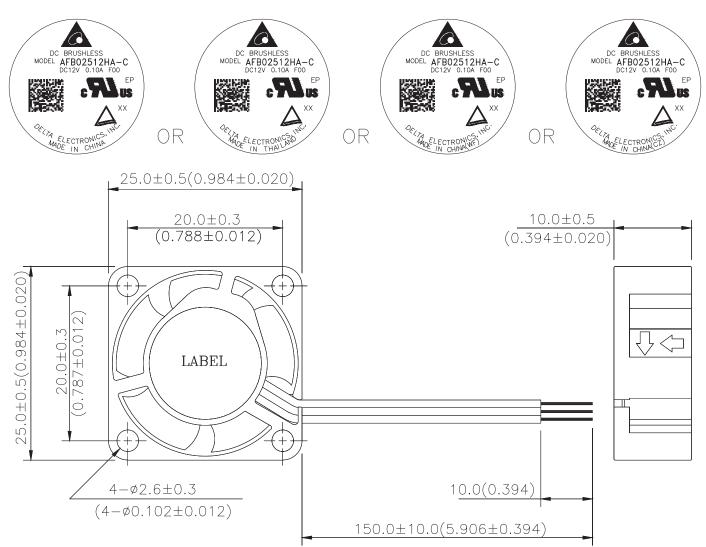


A00

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#### 9. DIMENSION DRAWING:

LABEL:



UNIE: mm(INCH)

NOTES:

1. LEAD WIRE: UL 1061 -F- AWG #28
BLACK WIRE NEGATIVE(-)
RED WIRE POSITIVE(+)
BLUE WIRE FREQUENCY(FG)

2. THIS PRODUCT IS RoHS COMPLIANT.

A00

