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SPECIFICATION FOR APPROVAL

Customer:

Description: DC FAN

Customer P/N:

REV:

Delta Model NO.: AUB0612VH-AF00

Safety Delta Model NO.: AUB0612VH

Sample Rev: 01

Issue NO:

Sample Issue Date: JUL-06-2015

Quantity:

1. SCOPE:

THIS SPECIFICATION DEFINES THE ELECTRICAL AND MECHANICAL CHARACTERISTICS OF THE DC BRUSHLESS AXIAL FLOW FAN. THE FAN MOTOR IS WITH ONE PHASES AND FOUR POLES.

2. CHARACTERS:

ITEM	DESCRIPTION
RATED VOLTAGE	12 VDC
OPERATION VOLTAGE	4.0 - 13.8VDC
START VOLTAGE (ENVIRONMENT TEMPERATURE AT 25°C)	$\leq 4.0\text{VDC}.$ (ON-OFF)
INPUT CURRENT	0.20 (MAX. 0.36) A (Safety CURRENT: 0.36 A)
INPUT POWER	2.40 (MAX. 4.32) W
SPEED	5500 R.P.M (REF.)
MAX. AIR FLOW (AT ZERO STATIC PRESSURE)	0.830 (MIN. 0.750) M ³ /MIN. 33.07 (MIN. 29.63) CFM
MAX. AIR PRESSURE (AT ZERO AIRFLOW)	8.95 (MIN.7.25) mmH ₂ O 0.352 (MIN. 0.285) inchH ₂ O
ACOUSTICAL NOISE (AVG.)	42.5 (MAX. 46.5) dB-A
INSULATION TYPE	UL: CLASS A

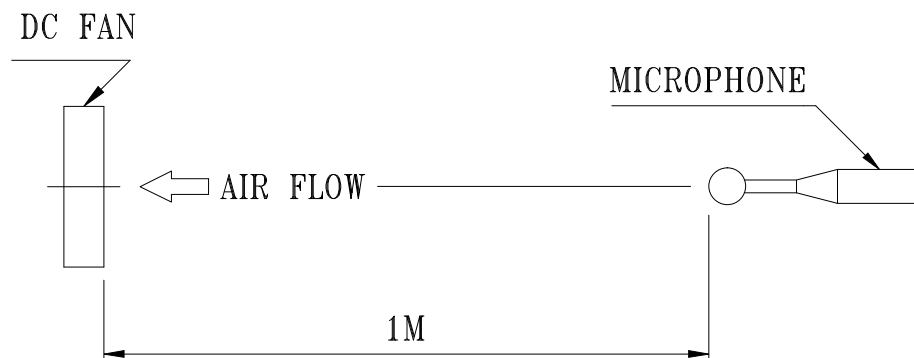
(continued)

PART NO:

DELTA MODEL: AUB0612VH-AF00

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)	50,000 HOURS CONTINUOUS OPERATION AT 40 °C WITH 15 ~ 65 %RH.
ROTATION	CLOCKWISE VIEW FROM NAME PLATE SIDE
OVER CURRENT SHUT DOWN	THE CURRENT WILL SHUT DOWN WHEN LOCKING ROTOR

- NOTES: 1. ALL READINGS ARE MEASURED AFTER STABLY WARMING UP
THROUGH 10 MINUTES AT ROOM TEMPERATURE.
2. THE VALUES WRITTEN IN PARENS , (), ARE LIMITED SPEC.
3. ACOUSTICAL NOISE MEASURING CONDITION:



NOISE IS MEASURED AT RATED VOLTAGE IN FREE AIR IN ANECHOIC CHAMBER WITH B & K SOUND LEVEL METER WITH MICROPHONE AT A DISTANCE OF ONE METER FROM THE FAN INTAKE.

PART NO:

DELTA MODEL: AUB0612VH-AF00

3. MECHANICAL:

3-1. DIMENSIONS ————— SEE DIMENSIONS DRAWING

3-2. FRAME ————— PLASTIC UL: 94V-0

3-3. IMPELLER ————— PLASTIC UL: 94V-0

3-4. BEARING SYSTEM ————— SLEEVE BEARING

3-5. WEIGHT ————— 59.4 GRAMS(REF)

4. ENVIRONMENTAL:

4-1. OPERATING TEMPERATURE ————— -10 TO +60 DEGREE C

4-2. STORAGE TEMPERATURE ————— -40 TO +70 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, PBBOs, CFCs, PBBEs, PBDPEs AND HCFCs.

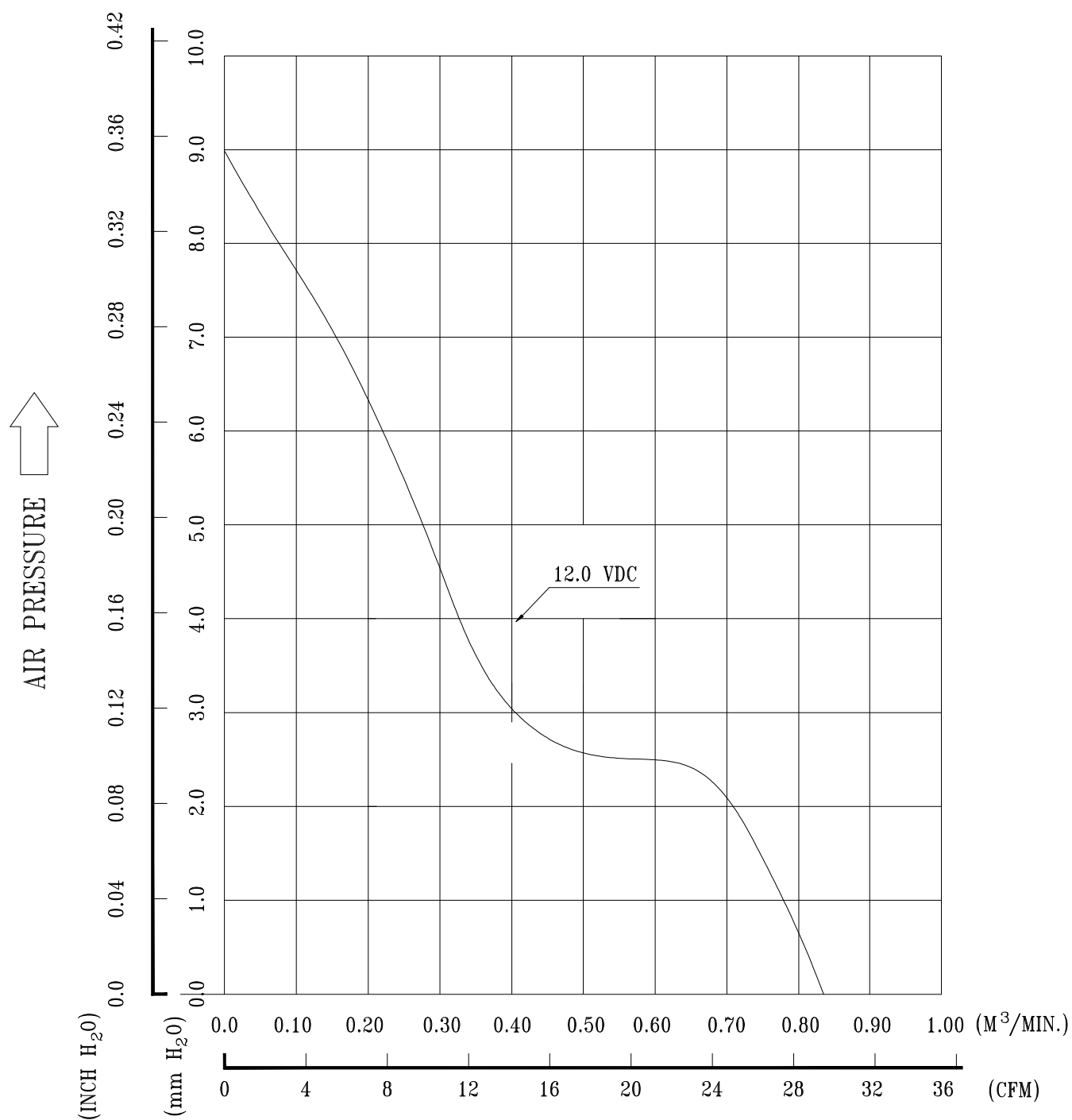
7. PRODUCTION LOCATION

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

PART NO:

DELTA MODEL: AUB0612VH-AF00

8. P & Q CURVE:



AIR FLOW →

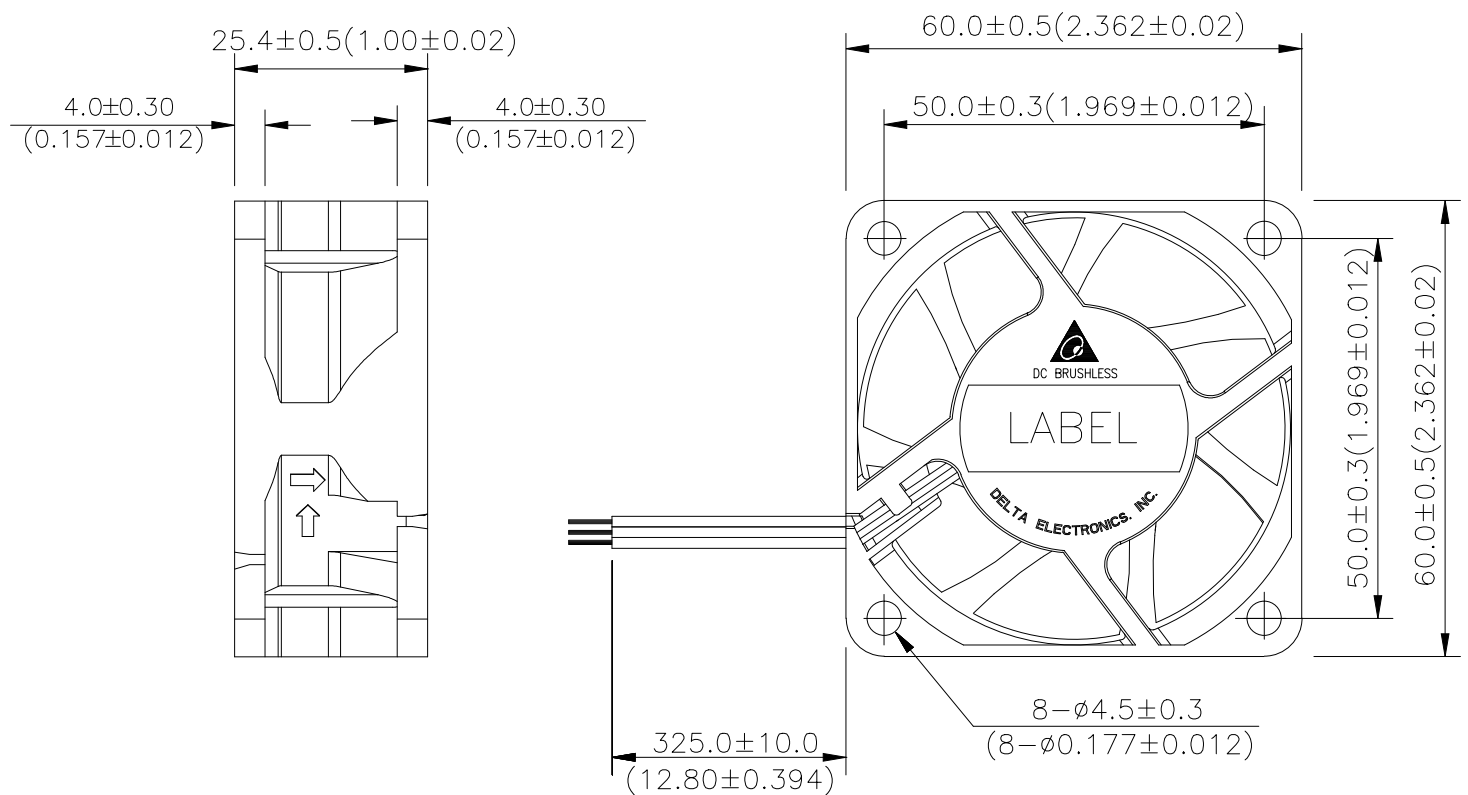
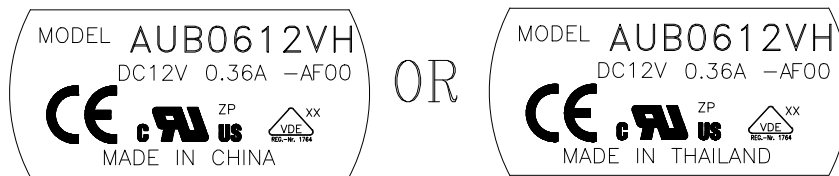
* TEST CONDITION: INPUT VOLTAGE ——— OPERATION VOLTAGE
TEMPERATURE ——— ROOM TEMPERATURE
HUMIDITY ——— 65%RH

PART NO:

DELTA MODEL: DSB0624VH-A F00

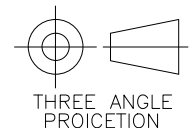
9. DIMENSION DRAWING:

LABEL:



NOTES:

- 1.LEAD WIRE UL1007 AWG#26
RED WIRE----(+)
BLACK WIRE----(-)
BLUE WIRE----(F00)
- 2.THIS PRODUCT IS ROHS COMPLIANT.



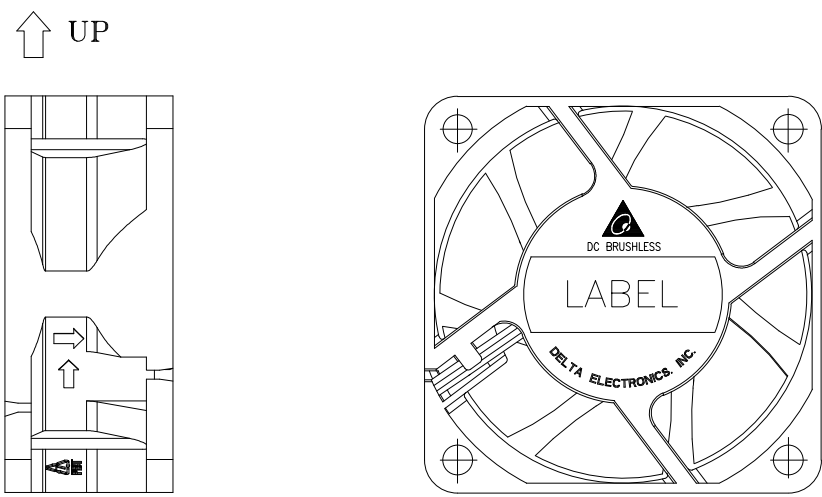
UNIT:mm(INCH)

PART NO:

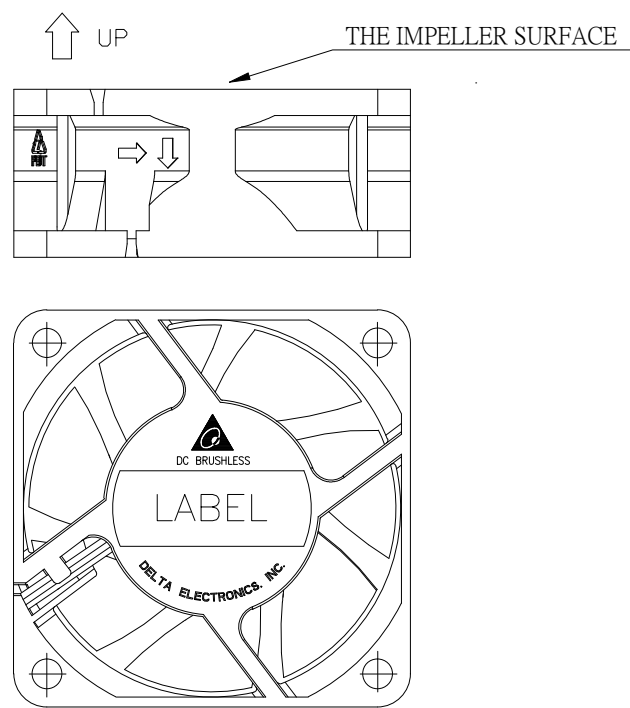
DELTA MODEL: AUB0612VH-AF00

10. SLEEVE BEARING FAN MOUNTING TYPE :

WE SUGGEST THAT THE FAN IS MOUNTED AS THE TYPE A OR B .IF YOU WOULD LIKE TO HAVE OTHER MOUNTING TYPE, PLEASE CONTACT US.



TYPE :A



THIRD ANGLE
PROJECTION

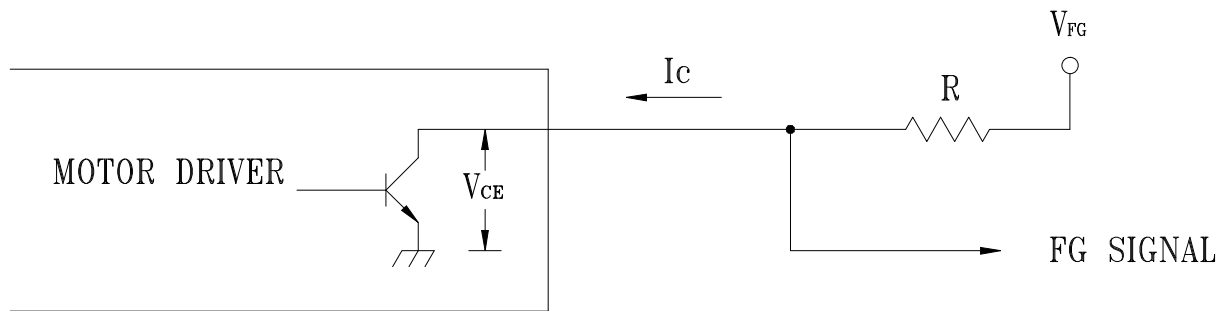
TYPE :B

PART NO:

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11. FREQUENCY GENERATOR (FG) SIGNAL:

11-1. OUTPUT CIRCUIT - OPEN COLLECTOR MODE:



CAUTION:

THE LEAD WIRE OF FG SIGNAL CAN NOT TOUCH
THE LEAD WIRE OF POSITIVE OR NEGATIVE.

12-2. SPECIFICATION:

$V_{CE}(\text{sat}) = 0.5\text{V MAX.}$

$V_{FG} = 27.6\text{VDC MAX.}$

$I_c = 5\text{mA MAX.}$

$R \geq V_{FG} / I_c$

12-3. FREQUENCY GENERATOR WAVEFORM:

