

SPECIFICATION

CLASSIFICATION	
A: SCOPE:	
THIS SPECIFICATION DEFINES THE ELECTRICAL AND MECHANICAL CHARACTERISTICS OF THE AIXAL FLOW FAN	
B: MECHANICAL	
1) DIMENSIONS:	PER DRAWING
2) FRAME:	DIE CAST ALUMINUM PAINTED BLACK
3) BEARING SYSTEM	BALL BEARING
C: ELECTRICAL	
1) RATED VOLTAGE	AC 220V/240V 50/60HZ
2) ROTATION	CCW << FROM BALDE SIDE >>
3) AIR FLOW	360 CFM AT RATED VOLTAGE AT 50 Hz 420 CFM AT RATED VOLTAGE AT 60 Hz
4) STATIC PRESSURE	20mm-H2O AT 50 Hz 26mm -H2O AT 60 Hz
5) INPUT POWER	IN FREE AIR RATED VOLTAGE 43 W +/- 10% AT 50Hz IN FREE AIR RATED VOLTAGE 53 W +/- 10% AT 60Hz
6) INPUT CURRENCT	IN FREE AIR RATED VOLTAGE 0.19A +/- 10% AT 50Hz IN FREE AIR RATED VOLTAGE 0.22A +/- 10% AT 60Hz
6) INSULATION RESISTANCE	10 MEG OHM MIN. AT 500V DC
7) DIELECTRIC STRENGTH	1 SEC. 1200V AC AT 50/60HZ
8) LIFE EXPECTANCY	40000 HOURS AT 25 °C -65% RH
9) NOISE LEVEL	60 dB(A) AT 50/60 Hz
10) SPEED	2850 RPM +/- 10% AT 50Hz 3250 RPM +/- 10% AT 60Hz
11) VIBRATION TEST	AMPLITUDE 1.5m 10-55 HZ 3 DIRECTION X.Y.Z. 1 HR
12) SHOCK TEST	ACCELERATION OF GRAVITY 30G AT 6M Y.Y.G. 1HR
13) INSULATION CLASS	UL: CLASS A

- LIFE IS DEFINED AS THE TIME MOTOR SPEED DECREASED MORE THAN 30% COMPARED WITH INITIAL VALUE

D: CONSTUCTIVE CHARACTERISTIC

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D; CONSTUCTIVE CHARACTERISTIC

- D-1) DIMENSION -----SEE ATTACHED
- D-2) FRAME-----DIE CAST ALUMINUM PANINTED BLACK
- D-3) FAN BLADE-----PLASTIC WITH FIBER GLASS UL94V-0
- D-4) BEARING SYSTEM-----BALL BEARING
- D-5) CONNECTIOIN----- UL #1015 20AWG

E: PROTECTIONS

- E-1) IMPEDANCE
- E-2) THERMO PROTECTION

F: ENVIRONMENTAL

- F-1) OPERATING TEMPERATURE----- -20 °C TO + 70 °C
- F-2) STORAGE TEMPERATURE----- -20 °C TO + 75 °C
- F-3) DROP TEST

IN MINIMUM PACKAGING CONDITION FANS WITHSTANDS EACH ONE DROP OF THEREE FACES FROM MORE SPACE CM DISTANCE HEIGHT ONTO 10mm THICKNESS OF WOODEN BOARD

- F-4) VIBERATION TEST

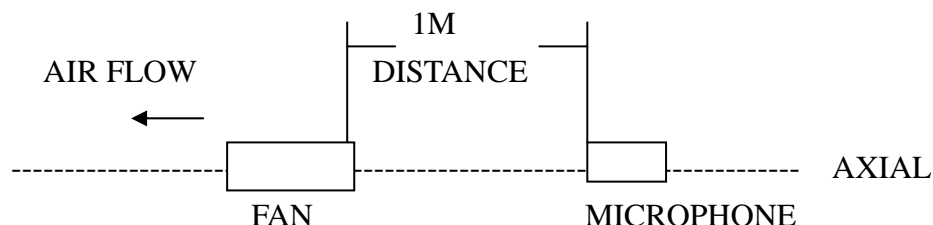
FREQUENCY: 10-50HZ AMPLITUDE
X.Y.X. DIRECTION EACH FOR 1 HR

- F-5) SHOCK TEST

APPLY PEAK ACCELERATION 50G AND KEEP DURATION OF THE PULSE FOR 11ms (HALF SINE WAVE)

G: NOISE:

- G-1) MEASUREMENT STEP-UP



- G-2) MEASUREMENT PERFORMED IN ANECHOIC EST CHAMBER UNDER FREE AIR CONDITON
- G-3) CHAMBER BACK GROUND NOISE 17 dB(A) MAX.
- G-4) READING TAKEN FROM SPECTRUM ANALYZER

H:STATICS PRESSURE VS AIR FLOW CURVE: SEE ATTACHED PAGE

PERFORMANCE

