

SPECIFICATION

CLASSIFICATION	MODEL: SA12038L2ST
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	SLEEVE BEARING
C: ELECTRICAL	
1) RATED VOLTAGE	AC 220V 50/60HZ
2) ROTATION	CCW << FROM BALDE SIDE >>
3) AIR FLOW	54 CFM AT RATED VOLTAGE AT 50 Hz 52 CFM AT RATED VOLTAGE AT 60 Hz
4) STATIC PRESSURE	0.16 INCH-H ₂ O AT 50 Hz 0.15 INCH-H ₂ O AT 60 Hz
5) INPUT POWER	IN FREE AIR RATED VOLTAGE 8 W ATT +/- 10% AT 60Hz IN FREE AIR RATED VOLTAGE 9 W ATT +/- 10% AT 50Hz
6) INSULATION RESISTANCE	10 MEG OHM MIN. AT 500V DC
7) DIELECTRIC STRENGTH	1 SEC. 1200V AC AT 50/60HZ
8) LIFE EXPECTANCY	25000 HOURS AT 25 °C -65% RH
9) NOISE LEVEL	30 dB(A) AT 50Hz 34 dB(A) AT 60Hz
10) SPEED	1800RPM +/- 10% AT 50Hz 2000RPM +/- 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: CONSTRUCTIVE CHARACTERISTIC

- D-1) DIMENSION -----SEE ATTACHED
- D-2) FRAME-----DIE CAST ALUMINUM PANINTED GRAY
- D-3) FAN BLADE-----PLASTIC PBT UL 94V-0
- D-4) BEARING SYSTEM-----SLEEVE BEARING
- D-5) CONNECTIOIN-----TRMINAL 8.0 (L) x 3.0 (W) x 0.5 (T)

E: PROTECTIONS

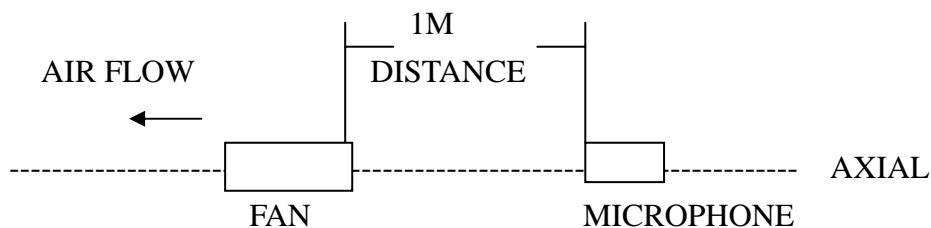
- E-1) IMPEDANCE PROTECTED

F: ENVIRONMENTAL

- F-1) OPERATING TEMPERATURE----- -20 °C TO + 70 °C
- F-2) STORAGE TEMPERATURE----- -40 °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

DIMENSIONS:MM

