

SPECIFICATION

CLASSIFICATION		MODEL: SA20572H2B	
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		220/230VAC 50/60Hz	
2) AIR FLOW		16.5 M3/min (600CFM) RATED VOLTAGE AT 50 Hz 19.8 M3/min (670CFM) RATED VOLTAGE AT 60 Hz	
3) STATIC PRESSURE		24 mm-H2O AT 50HZ 27 mm-H2O AT 60HZ	
4) INPUT POWER		IN FREE AIR RATED VOLTAGE 82 WATT +/- 10% AT 50Hz IN FREE AIR RATED VOLTAGE 99 WATT +/- 10% AT 60Hz	
5) INPUT CURRENT		IN FREE AIR RATED VOLTAGE 0.30A +/- 10% AT 220V/50Hz IN FREE AIR RATED VOLTAGE 0.49A +/- 10% AT 220V/60Hz	
7) INSULATION RESISTANCE		10 M.OHM MIN. AT 500V DC	
8) DIELECTRIC STRENGTH		1 SEC. 1200V AC AT 50/60HZ	
9) LIFE EXPECTANCY		40000 HOURS AT 25 °C -65% RH	
10) NOISE LEVEL		70dB(A)	
11) SPEED		2600 RPM +/- 10% AT 50Hz 2800 RPM +/- 10% AT 60Hz	
12) VIBERATION TEST		AMPLITUDE 1.5m 10-55 HZ 3 DIRECTION X.Y.Z. 1 HR	
13) SHOCK TEST		ACCELERATION OF GRAVITY 30G AT 6M Y.Y.G. 1HR	
14) 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 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

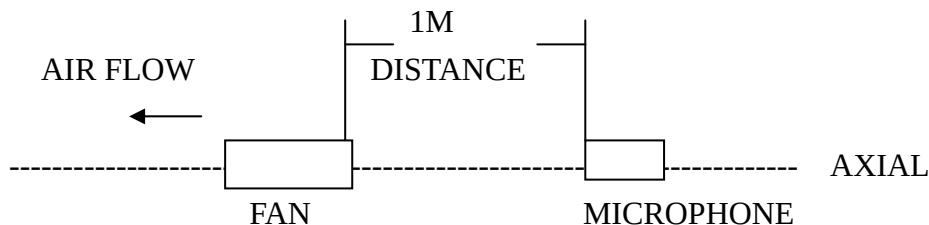
- E-1) IMPEDANCE
- E-2) THERMO PROTECTION

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

