

# SPECIFICATION

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| CLASSIFICATION   | MODEL: YX2517  |
| <b>A: SCOPE</b>  |  |
| THIS SPECIFICATION DEFINES THE ELECTRICAL AND MECHANICAL CHARACTERISTICS OF THE AXIAL FLOW FAN |  |
| <b>B: MECHANICAL</b>   |  |
| 1) DIMENSIONS:   | PER DRAWING  |
| 2) FRAME:  | DIE CAST ALUMINUM PAINTED BLACK  |
| 3) BEARING SYSTEM  | BALL BEARING   |
| <b>C: ELECTRICAL</b>   |  |
| 1) RATED VOLTAGE   | AC 220/240V  |
| 2) AIR FLOW  | 2.30 M3/MIN AT RATED VOLTAGE AT 50 Hz<br>2.85 M3/MIN AT RATED VOLTAGE AT 60 Hz                           |
| 3) STATIC PRESSURE   | 0.25 INCH-H2O AT 50 Hz<br>0.30 INCH-H2O AT 60Hz  |
| 4) INPUT POWER   | IN FREE AIR RATED VOLTAGE 19 W ATT +/- 10% AT 50Hz<br>IN FREE AIR RATED VOLTAGE 18 W ATT +/- 10% AT 60Hz |
| 5) INPUT CURRENT   | IN FREE AIR RATED VOLTAGE 0.125A +/- 10% AT 50Hz<br>IN FREE AIR RATED VOLTAGE 0.10A +/- 10% AT 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  | 45dB(A) AT 50 HZ   |
| 11) SPEED  | 2700 RPM +/- 10% AT 50Hz<br>3000 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  |

## D: CONSTRUCTIVE CHARACTERISTIC

- D-1) DIMENSION -----SEE ATTACHED
- D-2) FRAME-----PLASTIC PBT UL 94V-0
- D-3) FAN BLADE-----PLSTIC PBT UL 94V-0 RATING + FILTER GLASS
- D-4) BEARING SYSTEM-----BALL BEARING
- D-5) CONNECTIOIN-----TERMINAL 8.0 (L) x 3.0 (W) x 0.5 (T) mm

## E: PROTECTIONS

- E-1) IMPEDANCE PROTECTION

## F: ENVIRONMENTAL

- F-1) OPERATING TEMPERATURE----- -20 °C TO + 80 °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

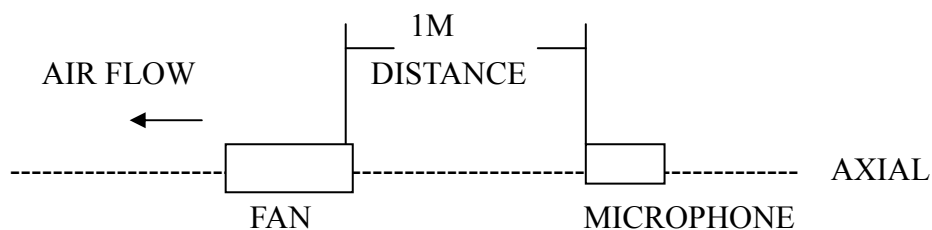
FREQUENCY: 10-50HZ AMPLITUDE X.Y.X. DIRECTION EACH FOR 1 HR

- F-5) SHOCK TEST

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

## G: NOISE:

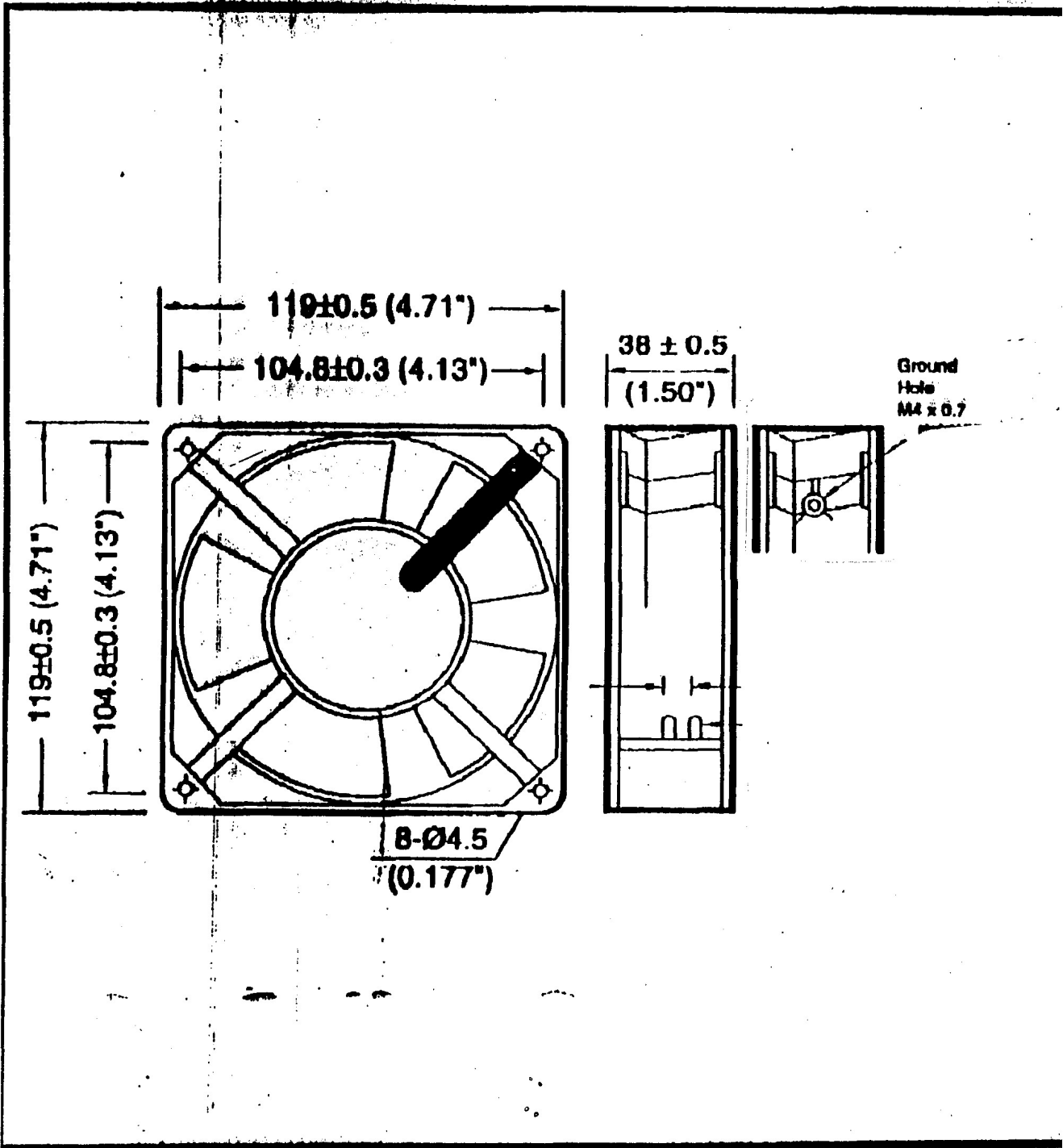
- G-1) MEASUREMENT STEP-UP



- 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

# DIMENSIONS:MM



# PERFORMANCE

