

HICOOL ELECTRONIC INDUSTRIES

PLOT NO. A-104, T T C INDUSTRIAL AREA, KHAIRNE, M.I.D.C.,
NAVI MUMBAI – 400 710.

TEL: (91-22) 4142555, FAX : (91-22)41425599. E-MAIL - sales@hicoolfans.com

TECHNICAL SPECIFICATION SHEET OF MODEL NO. 17A 230H SAC

1.0 Features : General

1.01	Item	:	AC Axial Fan
1.02	Drive	:	Shaded Pole Motor
1.03	Phase	:	Single

2.0 Features : Constructional

2.01	Dimensions	:	172X150X51mm
2.02	Housing	:	Die Cast Aluminum
2.03	Impeller	:	Flame Retardant Engineering Plastic (UL 94 – VO Grade)
2.04	Bearing type	:	Sleeve Bearing
2.05	Connecting elements	:	Fly Leads
2.06	Weight	:	1000 gms
2.07	Finish	:	Powder Coated OR Stove Enameled
2.08	Colour	:	Black
2.09	Stator Stack height	:	19 mm

3.0 Features : Electrical

3.01	Operational voltage	:	230V AC $\pm$ 10%
3.02	Frequency	:	50/60 Hz
3.03	Input Power	:	38 Watts,
3.04	Current consumption	:	250 mA
3.05	Locked rotor current	:	380 mA
3.06	Insulation resistance	:	$\geq$ 10M Ω at 500V DC
3.07	Degree of Protection	:	Impendence Protection Against Excessive Temperature

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4.0 Features Operational at rated voltage

4.01	Duty	:	Continuous
4.02	Air flow while static pressure = 0	:	≥ 190 CFM
4.03	Static pressure while air flow = 0	:	≥ 16 mm of H ₂ O
4.04	Speed of Rotation	:	≥ 2600 ± 150
4.05	Noise Level	:	≤ 42dB
4.06	MTBF (Mean Time Between Failure)	:	70000 hrs at 40°C

5.0 Feature : Thermal

5.01	Insulation class	:	UL Class B
5.02	Insulation Class of Winding Wire	:	Class H or Higher
5.03	Winding temp. Rise at rated voltage		
	(i) Running Condition	:	≤ 80° C

6.0 Features : Mechanical

6.01	Shock endurance in terms of acceleration : 11 ms Phase Shape with 6 Shock.	:	≥ 50 g
6.02	Vibration endurance in terms of acceleration at frequency 10 Hz to 55 Hz to 10 Hz	:	≥ 3 g
6.03	Frame strength in terms of screw torque	:	≥ 10 kgf-cm
6.04	Lead wire tensile strength	:	≥1 kgf

7.0 Features : Environmental

7.01	Operating temp. range	:	- 20 TO + 70°C
7.02	Storage temp. range	:	- 40 TO + 80°C
7.03	Relative humidity	:	90 ± 5% at 45 ± 3° C