

# HICOOL ELECTRONIC INDUSTRIES

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

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## TECHNICAL SPECIFICATION SHEET OF MODEL NO. 17A 230H BAC

### **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	:	Ball 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, (MAX)
3.04	Current consumption	:	250 mA (MAX)
3.05	Locked rotor current	:	380 mA (MAX)
3.06	Insulation resistance	:	$\geq$ 10M $\Omega$ at 500V DC
3.07	Degree of Protection	:	Impedence 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 <sub>2</sub> 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 A
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 kg fcm
6.04	Lead wire tensile strength	:	≥ 1 kgf

## 7.0 Features : Environmental

7.01	Operating temp. range	:	- 20 TO + 80°C
7.02	Storage temp. range	:	- 40 TO + 80°C
7.04	Relative humidity	:	95 ± 2% at 32 ± 3° C