

HICOOL ELECTRONIC INDUSTRIES

PLOT NO. A-104, T.T.C. INDL. AREA, MIDC, KHAIRNE, NAVI MUMBAI-400710

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

TECHNICAL SPECIFICATION SHEET OF MODEL NO. 12A 230H BAC

4.0 Features : General

1.03	Item	:	AC Axial Fan
1.04	Drive	:	self starting Shaded Pole Motor

5.0 Features : Constructional

2.07	Dimensions	:	120 x 120 x 38mm
2.08	Body material (Aluminium Die Cast)	:	Die Cast Aluminium, Black Powder Coated OR Stove Enameled
2.09	Blade material	:	Glass Reinforced Polycarbonate Flame Retardant
2.10	Bearing type	:	Double Ball Bearing
2.11	Connecting elements	:	Connector Terminals / Flying Leads
2.12	Weight	:	490 gms.

6.0 Features : Electrical

3.06	Rated nominal voltage	:	230V AC, 50/60Hz ,single phase
3.07	Operational voltage range	:	190V to 245V
3.08	Operating Current	:	0.10Amp+20%
3.09	Rated power consumption	:	18W+20%
3.10	Locked motor protection	:	(Impedance Production)No Burnout Permissibile after Rotor is locked For 24 hrs at Rated Voltage
3.06	Dielectric Strength	:	≥1.5K V AC for 1 min
3.07	Insulation resistance	:	≥10M Ω at 500V DC

4.0 Features : Operational at rated voltage

4.07	Duty	:	Continous
4.08	Air flow while static pressure = 0	:	95 CFM
4.09	Static p ressure while air flow = 0	:	8.4mm of H ₂ O
4.10	Speed of Rotation	:	2650 r.p.m ±10%
4.11	Noise for free air at a distance of 1m.	:	42dB
4.12	MTBF (Mean Time between Failures)	:	70000 hrs at 40°C,

4.07	Type of protection (EN 60529/09.2000)	:	IP 42
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5.0 Features : Thermal

5.01	Winding temp. rise at rated voltage	:	≤80°C
5.02	Insulation Class	:	class B

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6.0 Features : Mechanical

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|------|---|---|----------|
| 6.04 | Shock endurance in terms of Dropping height, For no. of times – 6 | : | ≥90cm |
| 6.05 | Vibration endurance in terms of acceleration at frequency 15 Hz. | : | ≥3g |
| 6.06 | Frame strength in terms of screw torque | : | ≥10kgfcm |

7.0 Features : Environmental

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|------|-----------------------|---|----------------|
| 7.05 | Operating temp. range | : | -20°C ~ ≥+70°C |
| 7.06 | Operating humidity | : | ≤10% ~ ≥95% |
| 7.07 | Storage temp. range | : | -20°C ~ ≥+70°C |
| 7.08 | Storage humidity | : | ≤5% ~ ≥95% |

8.0 P&Q CURVE

