



PRODUCT SPECIFICATION

A. General Specification

Item		Specification	Condition
1	Model No.	AC12738	
2	Outline Dimension	127 x 127 x 38 mm	
3	Rated Voltage	AC 230 V	
4	Starting Voltage	AC 185 V	
5	Frequency	50 / 60Hz	
6	Rated Current	0.16 / 0.13 A	At Rated Voltage, 25°C, 65% RH
7	Power Consumption	23 / 21 W	At Rated Voltage, 25°C, 65% RH
8	Speed	2650 / 3100 RPM	At Rated Voltage, 25°C, 65% RH Free Air
9	Max. Airflow	110 / 130 CFM	At Rated Voltage AMCA Standard
10	Max. Static Pressure	7.75 / 8.7 mmH ₂ O	At Rated Current
11	Noise Level	43 / 48 dB(A)	At Rated Voltage Measured in a non-echo Chamber CNS 8753 Standard ISO 3744 Test Condition
12	Life	50,000/hrs at 25°C	MTBF (Mean Time Between Failures) Conf. Level 90%
13	No. of Blade	5 Blades	
14	No. of Pole	2 Poles	
15	Rotating Direction	Clockwise View From Label Side	
16	Tolerance	? 10%	At Rated Voltage
17	Weight	562 g	
18	Motor Type	Shaded Pole Motor	

B. Main Materials / Parts Specification

Materials / Parts		Specification
1	Plastic Material / Blade, Housing, Bobbin	UL 94V-0, P.B.T. + 30% GF Black
2	Bearing	Ball Bearing
3	Lead Wire	2 Lead wires
4	Connector	

C. Safety Approvals :

Safety Approvals	File No.	Safety Approvals	File No.
CE			

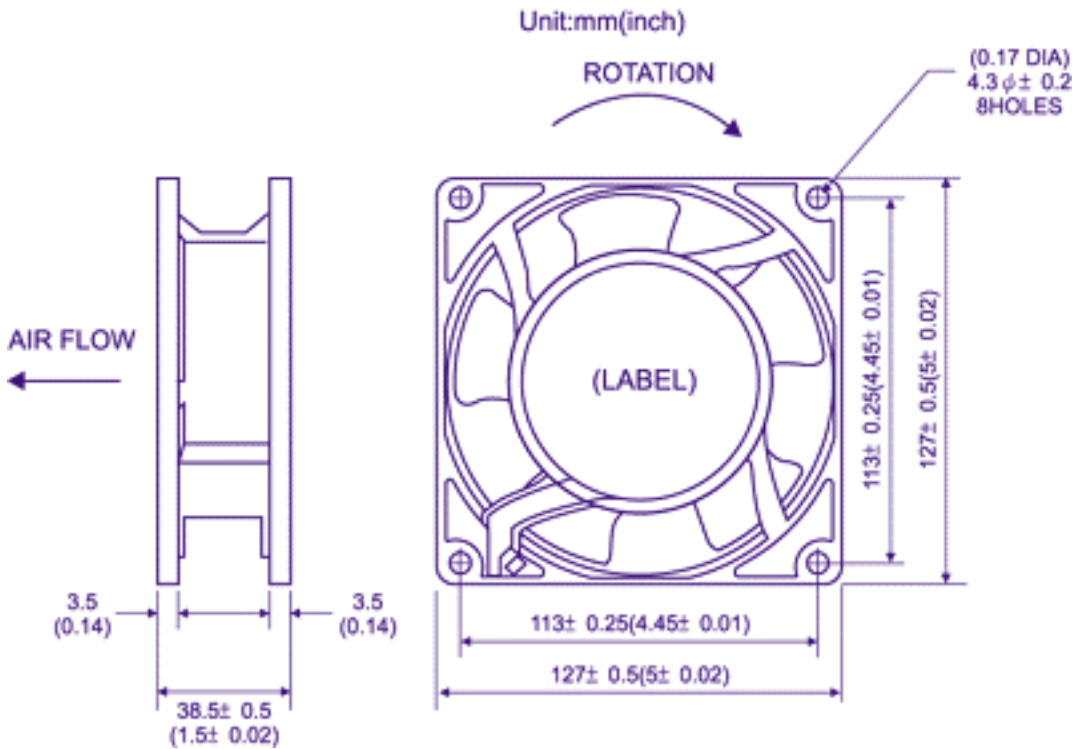
D. Environmental Specification

Item		Specification / Condition
1	Operating Temp. Range	Temperature : -20°C - 80°C Humidity : 35% - 85% RH
2	Storage Temperature	Temperature : -20°C - 80°C Humidity : 35% - 85% RH
3	Humidity	Per MIL-STD 202F Method 103B; Life: 96 hours; Humidity : 95% RH; Temperature: 40 ? 2°C
4	Thermal Shock	Per MIL-STD 202F Method 107D, Condition D
5	Insulation Shock	UL: Class B
6	Packing Vibration Test	Packing Condition: X, Y, Z 3directions, 1.1 G load vibration test for 30 min.
7	Packing Shock Proof Test	1 corner, 3 edges, 6 faces natural drop from 60 cm high packing

E. Electrical Specification

Item		Specification/Condition
1	Insulation Resistance	10M Ω between frame and unshielded wire at 500VDC/min
2	Dielectric Strength	5mA Max. / Measured b/w lead wire (+) and frame at 500VAC/min
3	Locker Rotor Protection	a. No damage will be made for a continuous 72-hour rotation lock at rated voltage. b. Signal Alarm-Optional
4	Polarity Protection	Circuit is protected when Vcc & GND are exchanged.

F. Outline Dimension **UNIT: mm**



G. Fan Performance Curve

