PRODUCT SPECIFICATION

A. ? General Specification

Item		Specification / Condition			
1	Part No.	AC20872			
2	Outline Dimension	208x208x72mm			
3	Rated Voltage	AC 230 V			
4	Starting Voltage	150 V			
5	Rated Current	FREQUENCY			
		50Hz	60Hz		
		0.808 A	0.533A	+ 10 %-20 %	Rated Voltage 25?C, 65% RH
6	Power Consumption	64 W	97 W		
7	Speed	2840R.P.M.	3000 R.P.M.	25?C, 65% RH Free Air Rated Voltage	
8	Max. Airflow	580CFM (ft^3/min)	650 CFM (ft^3/min)	Rated Voltage Standard Rated Current	
9	Max. Static Pressure	25mmH_2O	12mmH_2O		
10	Noise Level	60dB(A)	65dB(A)	Rated Voltage Measured in a Non-Echo Chamber CNS8753 CNS 8753 Standard ISO 3744 ISO 3744 Test Condition	
11	Life	50,000/hrs 25?C		MTBF (Mean Time Between Failures) Conf. Level 90%	
12	No. of Blade	5 Blades			
13	No. of Pole	4 Pole			
14	Rotating Direction	Clockwise View From Name Plate Side			
15	Tolerance	? 150V~220V		Rated Voltage	
16	Weight	2.5KGS			
17	Motor Type	AC INDCUCTION CAPACITOR MOTOR			

B. Main Materials / Parts Specification

Materials/Parts		Specification
1	Housing	Die – Casting Aluminium, Black
2	Plastic Material / Blade, Housing, Bobbin	PBT UL94V-0 30% UL 94V-0, P.B.T. + 30% GF Black
3	Bearing	Two Ball Bearing
4	Lead Wire	Two Lead Wires
5	Connector	

C. Safety Approvals :

Safety Approvals	File No.	Safety Approvals	File No.
CE			

D. Environmental Specification

Item		Specification/Condition
1	Operating Temp. Range	Temperature : -10?C - 70?C Humidity : 35% - 85% RH
2	Storage Temperature	Temperature : -10?C - 70?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	MIL-STO 202F METHOD 107 D 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	100M? between frame and unshielded wire at 500VDC/min
2	Dielectric Strength	Withstand at 1.5K VAC, 60Hz for 1 minute between frame and terminal
3	Motor Safety Protection	Auto power off after motor coil winding temperature reachs 110?C to protect from flaming After auto power off, fan motor restart at temperature down to 70?C
4	Locker Rotor Protection	
5	Polarity Protection	

F. Outline Dimension