



PRODUCT SPECIFICATION

A. ? General Specification

Item		Specification / Condition		
1	Part No.	AC25089		
2	Outline Dimension	Ø254 x 89mm		
3	Rated Voltage	AC 230V		
4	Starting Voltage	150 V		
5	Rated Current	FREQUENCY		+ 10 % - 20 %
		50Hz	60Hz	
		0.15 A	0.13 A	
6	Power Consumption	30.4W	29.9W	Rated Voltage 25°C, 65% RH
7	Speed	1400 R.P.M.	1600 R.P.M.	25°C, 65% RH Free Air Rated Voltage
8	Max. Airflow	16.98 (m ³ /min)	18.82 (m ³ /min)	Rated Voltage AMCA Standard Rated Current
		600 CFM	665 CFM	
9	Max. Static Pressure	6.86mmH ₂ O	9.14mmH ₂ O	
10	Noise Level	50dB(A)	52dB(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	3 Blades		
13	No. of Pole	4 Pole		
14	Rotating Direction	Clockwise View From Name Plate Side		
15	Tolerance	? 10%	Rated Voltage	
16	Weight	2.0KGS		
17	Motor Type	AC INDUCTION CAPACITOR MOTOR		

B. Main Materials/Parts Specification

Materials / Parts		Specification
1	Housing	Die – Casting Aluminium, Black, ADC-12
2	Plastic Material / Blade, Housing, Bobbin	PBT UL94V-0 30% UL 94V-0, P.B.T. + 30% GF Black
3	Bearing	Ball Bearing

4	Lead Wire	
5	Connector	Terminals

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 - 70°C Humidity : 35% - 85% RH
2	Storage Temperature	Temperature : -40°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 3 directions, 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	100MΩ 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 reaches 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

