

1. MECHANICAL:

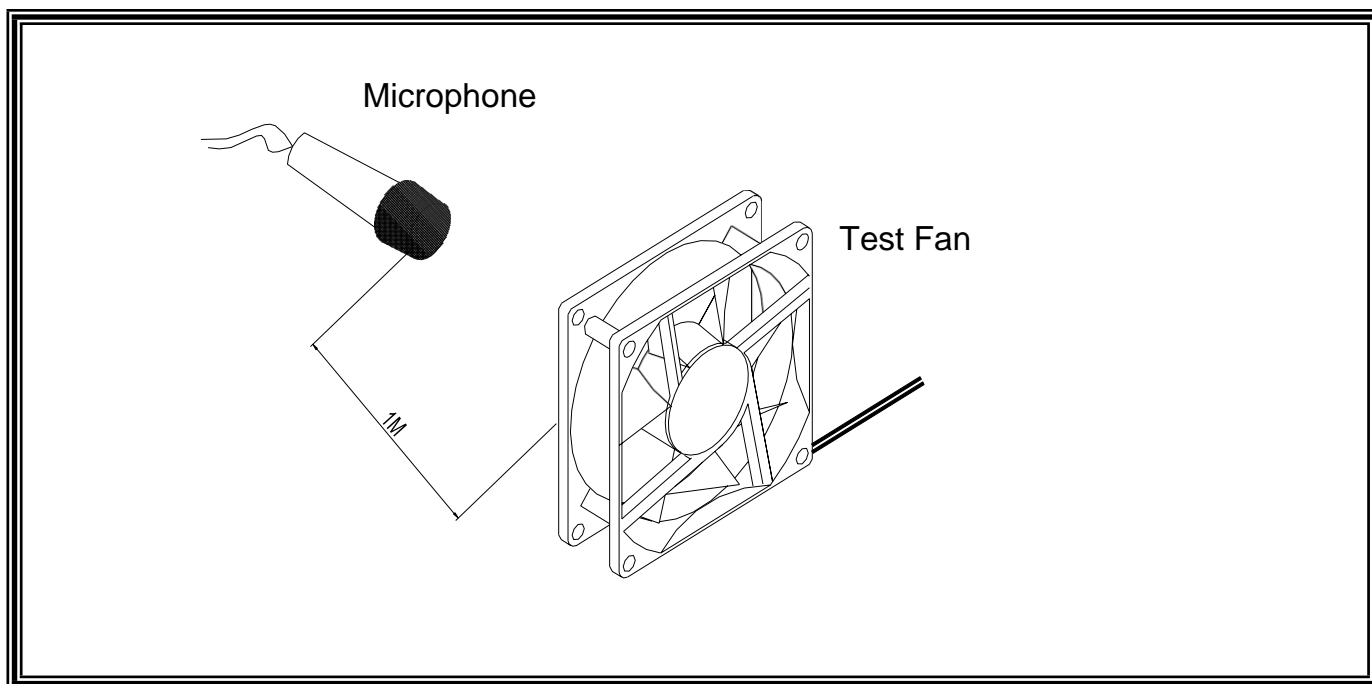
1-01	Dimension	Dimension of fan shall be shown in the outline styling drawing attached.
1-02	Motor	Four-pole motor.
1-03	Frame	Plastic material UL 94V-0 (P.B.T).
1-04	Impeller	Plastic material UL 94V-0 (P.B.T).
1-05	Free drop shock	In minute package condition, the fan should withstand each one drop of three faces from 30cm distance height onto 10 mm thickness of wooden board.

2.ELECTRICAL:

2-01	Rated current	Rated current shall be measured after 30 minutes continuous rotation at rated voltage.
2-02	Start voltage	The voltage that enable to start the fan by sudden switch on.
2-03	Rated Speed	Rated speed shall be measured after 30 minutes continuous rotation at rated voltage.
2-04	Input Power	Input power shall be measured after 30 minutes continuous rotation at rated voltage.
2-05	Lock Current	Locked current shall be measured Within one minute at rotor locked, after 30 minutes continuous rotation at rated voltage in clear air.
2-06	Insulation resistance	More than 10M ohm at 500 V.D.C between lead and housing.
2-07	Dielectric strength	Measured 5 mA(max) trip current at 700 V.A.C for 3 sec. between lead and housing.
2-08	Locked motor protection	Designed to meet UL, CUL and TUV.

3.CHARACTERISTICS:

3-01	Air Flow & Static Pressure	The air flow data and static pressures should be determined in accordance with AMCA standard or DIM 24163 specification in a double- chamber testing with intake-side measurement.
3-02	Noise level	The measurement of noise level is carried out with reference to DIM 45635 in an echoic chamber with the microphone positioned 1 M from the air intake. Testing fan shall be hung in clean air.




4.ENVIRONMENTAL:

4-01	Operating temperature	-10°C to 70°C(ordinary humidity)
4-02	Storage Temperature	-40°C to 70°C(ordinary humidity)
4-03	Humidity	After 96 hrs, 95% RH 40±2°Cper MIL-STD-202F method 103B, Humidity test , The measured data of insulation resistance & dielectric strength should meet the specification listed in attach.
4-04	Thermal Shock	After thermal shock test per MIL-STD-202F method 107D, Condition D, The measured data of insulation resistance & dielectric strength should the specification

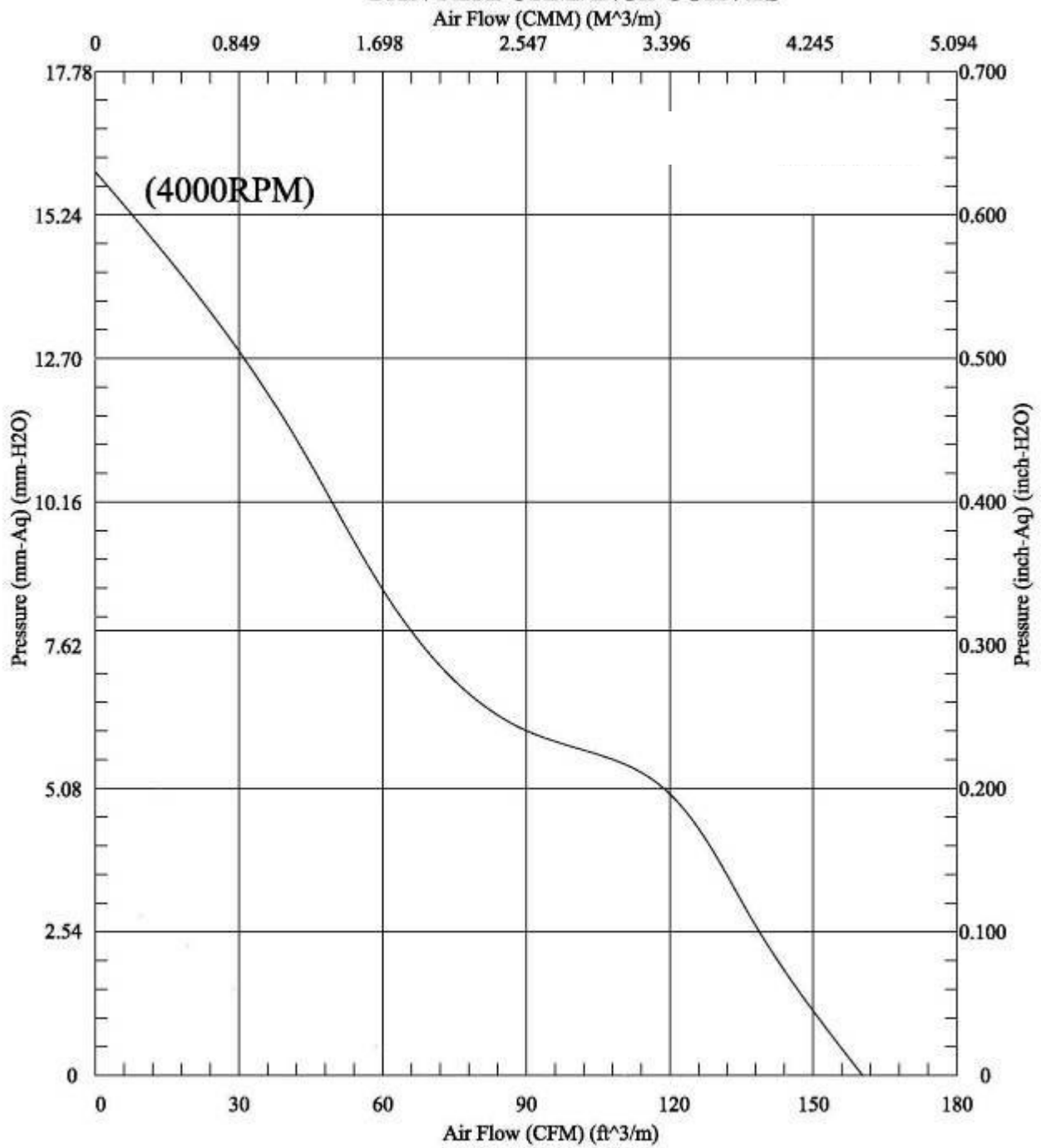
5.DATA-SHEET:

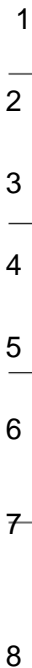
NO.	ITEM	SPECIFICATION	UNIT	CONDITION
5-1-01	Dimension	119*119*38	mm	-----
5-1-02	Bearing	Dual Ball	-----	-----
5-1-03	Rated Voltage	48.0	VDC	-----
5-1-04	Operating Voltage	24.0~60.0	VDC	-----
5-1-05	Start Voltage	24.0	VDC	On/off test
5-1-06	Speed	4000	R.P.M	±10%, At rated Voltage
5-1-07	Input Current	0.25	Amp	At rated Voltage
5-1-08	Input Power	12.00	Watt	At rated Voltage
5-1-09	Nominal Current	0.32	Amp	At rated Voltage
5-1-10	Air Flow	163.86	CFM	At 0 static Pressure of rated speed
5-1-11	Static Pressure	0.63	inchH ₂ O	At 0 air flow of rated speed
5-1-12	Noise	52.90	dBA	At rated speed
5-1-13	Life Expectancy(L10)	65,000	Hours	At 40°C
5-1-14	Motor protection	Electronic protected		
5-1-15	Polarity Protection	It will not damage the fan while reverse input.		
5-1-16	Auto Restart	YES	-----	-----
5-1-17	Speed Signal Output	NO	-----	-----
5-1-18	Alarm Signal Output	NO	-----	-----
5-1-19	Rotation direction	From the label side	-----	Clockwise
5-1-20	Weight	265	Gram	Per each piece
5-1-21	Safety Certificate	CE	-----	-----

5-2. LEAD WIRE:

NO.	ITEM	SPECIFICATION			
5-2-01	AWG NO. & Authorize	24 AWG, UL1007(The end of wire with tin as drawing)			
5-2-02	Color	=			
		Black	Red		
5-2-03	Line Length	240±10mm			
5-2-04	Connector	Notes as: Not available.			
5-2-05	Tube	No			

FAN PERFORMANCE CURVES





Auto-restart

Fan motor speed

