



DYNATRON CORPORATION

TOP MOTOR TECHNOLOGY(HUIZHOU)CO,LTD

Specification for Approval

Customer:		
Model Number:	CA26	
Part Number:	/	
Issued Date:	Tuesday, May 12, 2026	
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Customer Approval		
Approval:	Check:	
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Approval:	Check:	Handler:
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1. SCOPE

This specification defines the electrical and mechanical characteristics of the ☐ AC / ☒ DC Brush Less (☐Liquid State /☒2-Balls Bearing) axial flow fan, which is carefully designed and manufactured for your special needs by Dynatron Corporation.

2. ELECTRICAL CHARACTERISTICS

Items		Description		
1.	Rated Voltage	DC 12 V		
2.	Operating Voltage	10.8V-13.2V		
3.	PWM Frequency 25KHz	Duty Cycle D=20%	Duty Cycle D=50%	Duty Cycle D=100%
4.	Start Voltage	DC 8V		
5.	Air Flow – At rated voltage zero static pressure (minimal value)	0.16 m ³ /z min (5.76CFM)	0.74m ³ /z min (26.19CFM)	1.29m ³ / min (45.39CFM)
6.	Static Pressure – At rated voltage At zero air flow	2.13mm-H ₂ O (0.08inch-H ₂ O)	43.91mm-H ₂ O (1.73inch-H ₂ O)	131.91mm-H ₂ O (5.19inch-H ₂ O)
7.	Input Current (Max.)	0.06A	0.5A	1.9A
8.	Speed (Max.)	3300RPM ±200	15000RPM ±10%	26000RPM ±10%
9.	Acoustical Noise	24.77dBA	57.65dBA	69.59dBA
10.	Input Power	0.72W	6.0W	22.8W
11.	Insulation Resistance – Between Frame and Terminal	10 M ohm at DC 500 V		
12.	Dielectric Strength – Between Frame and Terminal	5 mA (Max.) @ AC 500 V 60 Hz 1 min.		
13.	Life – Continuous operating under normal temperature (25 °C or 77 °F)	80,000 hours		
14.	Rotation	Anticlockwise Air Discharged		
15.	Lead Wires	UL 1061, awg 24 or Equivalent “-”: Black; “+”: Yellow; “s”: Green; PWM”: Blue.		



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3.. MECHANICAL CHARACTERISTICS

Items		Description
1.	Dimension	Display as Drawing
2.	Frame	PBT UL94V-0 (Black GP)
3.	Impeller	PBT UL94V-0 (Black GP)
4.	Bearing System	2-Balls Bearing
5.	Weight	--

4. ENVIRONMENTAL

Items		Description
1.	Operating Temperature	- 10 °C ~ + 65 °C (65 %RH)
2.	Storage Temperature	- 30 °C ~ + 70 °C (65 %RH)
3.	Vibration Test	Displacement Amplitude: 0.75mm(Equivalent 10G) Frequency Range:10Hz<->55Hz/30SEC. Linear Scanning 120 Cycle Endurance Timer Per Axis:30Min. Orientation:X,Y,Z.
4.	Drop Test	Motor withstands one free body drop from 30 cm in high onto 10 mm thickness of wooden board for each of the three faces in minimum packing condition.
5.	Acoustic Noise	24.77/57.65/69.59dBA – Curve (Max25.27/58.15/70.09 dBA) Measuring Condition – Under rated voltage in semi-anechoic chamber equipment sound level meter. (Figure A.)

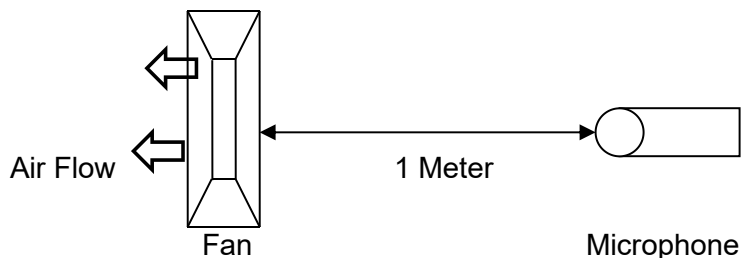


Figure A – Noise Level is measure at rated voltage in anechoic chamber in free air as above.



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5. PROTECTION

Items		Description
1.	Polarity Protection	For polarity error connection to power, the circuit withstands reversed connection between positive and negative leads.
2.	Locked Rotor Protection	Motor winding protects the motor from damage in 72 hours of locked rotor condition at rated voltage.

6. ATTACHMENTS

6.1. Product Dimension



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