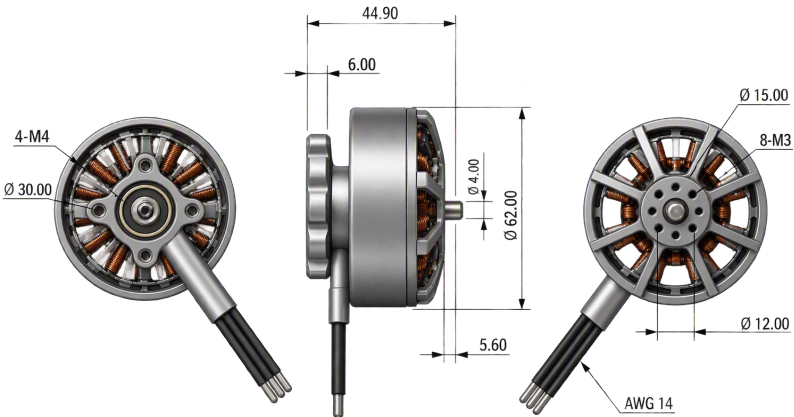


DIMENSIONAL DRAWING

All dimensions in millimeters



GENERAL SPECIFICATIONS

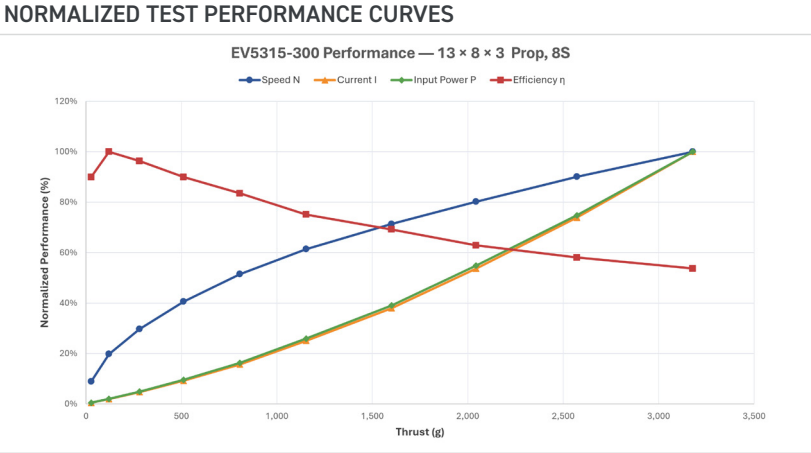
MOTOR

Stator Size: 5315
KV Rating: 300 KV
Configuration: 12N14P
Dimensions: 62 × 44.7 mm
Weight: 362 g
Shaft Diameter: 6 mm / Bolt mounted
Lead-Wire Length: 600 mm
Wire Gauge: 14 AWG (2.5 mm²)

ELECTRICAL

Test Battery Configuration: 8S LiPo
Maximum Rated Speed: 13,320 RPM
Maximum Tested Speed: 8,657 RPM
Idle Current (20 V): 2.2 A
Peak Current: 52 A
Winding Resistance: 42 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 13 × 8 × 3 BATTERY: 8S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	32.76	0.10	771	27	3.3	8.24
20	32.75	0.40	1,714	120	13.1	9.16
30	32.71	0.97	2,571	280	31.7	8.82
40	32.64	1.90	3,514	511	62.0	8.24
50	32.53	3.24	4,457	806	105.4	7.65
60	32.41	5.17	5,314	1,153	167.6	6.88
70	32.25	7.83	6,173	1,600	252.5	6.34
80	32.04	11.07	6,943	2,043	354.7	5.76
90	31.75	15.23	7,800	2,572	483.6	5.32
100	31.36	20.62	8,657	3,179	646.6	4.92



CURVE INTERPRETATION

Curves are normalized representations of measured test data for visual comparison. Refer to the performance table for actual measured values.

ENGINEERING NOTES

Performance data is based on the bench-test conditions.

Actual performance may vary with installation, airflow, battery condition, ESC setup, and propeller variation.

Validate final selections using application-specific testing.

CONTACT

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