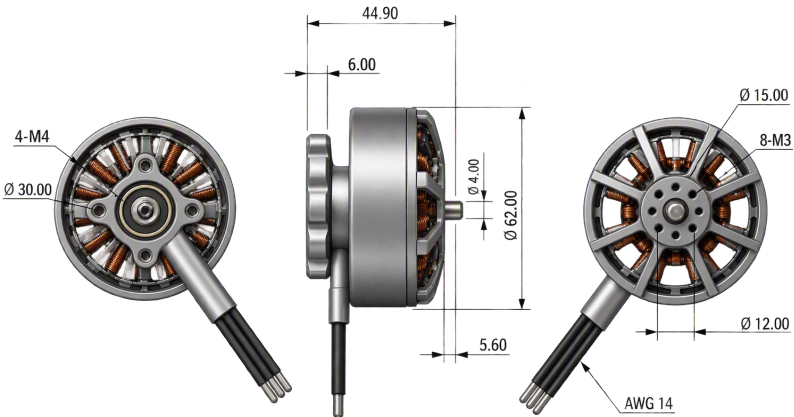


DIMENSIONAL DRAWING

All dimensions in millimeters



GENERAL SPECIFICATIONS

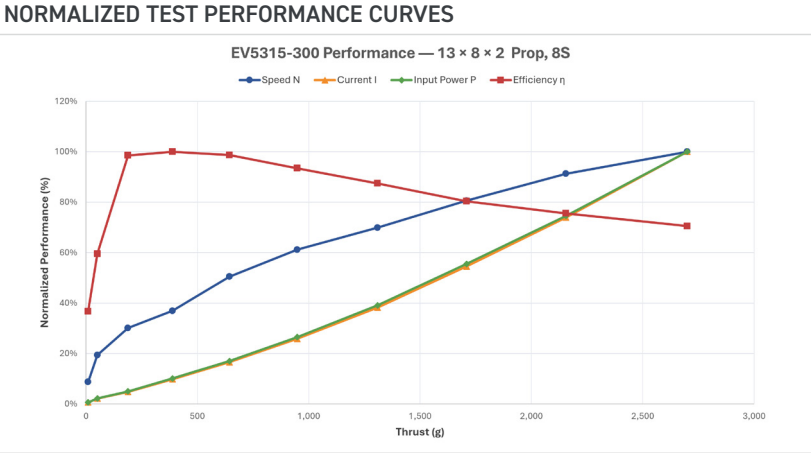
MOTOR

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: 8,829 RPM
Idle Current (20 V): 2.2 A
Peak Current: 52 A
Winding Resistance: 42 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 13 × 8 × 2 BATTERY: 8S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	32.67	0.10	771	9	3.3	2.75
20	32.66	0.35	1,714	51	11.4	4.46
30	32.64	0.78	2,657	188	25.5	7.38
40	32.59	1.59	3,257	388	51.8	7.49
50	32.50	2.68	4,457	644	87.1	7.39
60	32.41	4.18	5,400	948	135.5	7.00
70	32.27	6.19	6,171	1,309	199.8	6.55
80	32.13	8.83	7,114	1,709	283.7	6.02
90	31.82	11.97	8,057	2,155	380.9	5.66
100	31.56	16.19	8,829	2,700	511.0	5.28



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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