

DIMENSIONAL DRAWING

All dimensions in millimeters

GENERAL SPECIFICATIONS

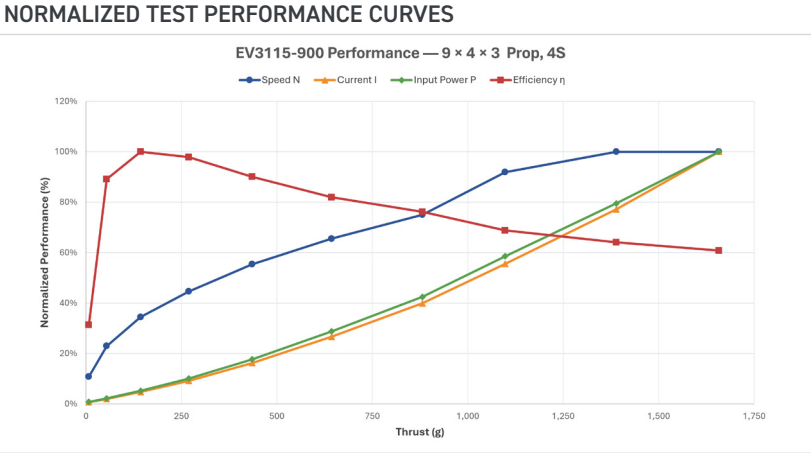
MOTOR

Stator Size: 3115
KV Rating: 900 KV
Configuration: 12N14P
Dimensions: 37 × 47 mm
Weight: 120 g
Shaft Diameter: 5 mm
Lead-Wire Length: 300 mm
Wire Gauge: 16 AWG (1.5 mm²)

ELECTRICAL

Test Battery Configuration: 4S LiPo
Maximum Rated Speed: 24,500 RPM
Maximum Tested Speed: 12,686 RPM
Idle Current (20 V): 2 A
Peak Current: 45 A
Winding Resistance: 38 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 9 × 4 × 3 BATTERY: 4S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	16.80	0.18	1,371	7	3.0	2.31
20	16.78	0.49	2,914	54	8.2	6.57
30	16.72	1.16	4,371	143	19.4	7.37
40	16.65	2.24	5,657	269	37.3	7.21
50	16.55	3.96	7,029	435	65.5	6.64
60	16.39	6.50	8,314	643	106.5	6.04
70	16.14	9.73	9,514	881	157.0	5.61
80	15.99	13.55	11,657	1,098	216.7	5.07
90	15.63	18.82	12,686	1,389	294.2	4.72
100	15.17	24.39	12,686	1,658	370.0	4.48



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

Product and application assistance:

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