

DIMENSIONAL DRAWING

All dimensions in millimeters

GENERAL SPECIFICATIONS

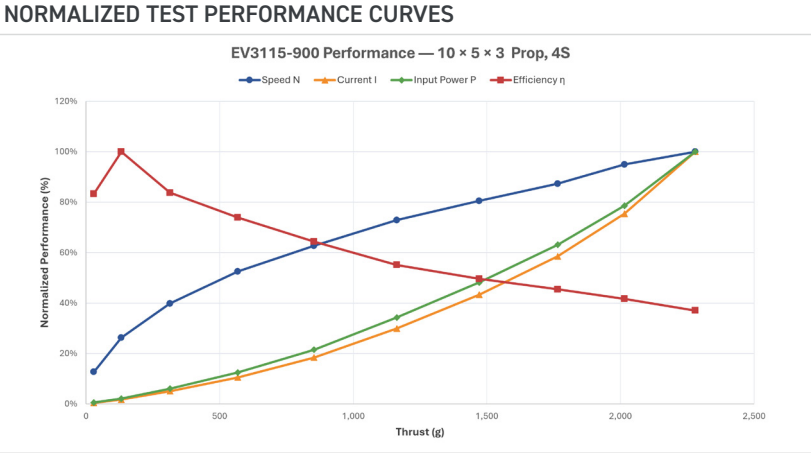
MOTOR

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: 10,114 RPM
Idle Current (20 V): 2 A
Peak Current: 45 A
Winding Resistance: 38 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 10 × 5 × 3 BATTERY: 4S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	16.80	0.20	1,286	29	3.4	8.63
20	16.76	0.76	2,657	132	12.7	10.36
30	16.67	2.17	4,029	314	36.2	8.68
40	16.51	4.49	5,314	568	74.1	7.66
50	16.26	7.86	6,343	853	127.8	6.67
60	15.95	12.77	7,371	1,163	203.7	5.71
70	15.50	18.47	8,143	1,471	286.3	5.14
80	15.02	24.96	8,829	1,765	374.9	4.71
90	14.51	32.17	9,600	2,015	466.8	4.32
100	13.93	42.65	10,114	2,280	594.1	3.84



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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