

DIMENSIONAL DRAWING

All dimensions in millimeters

GENERAL SPECIFICATIONS

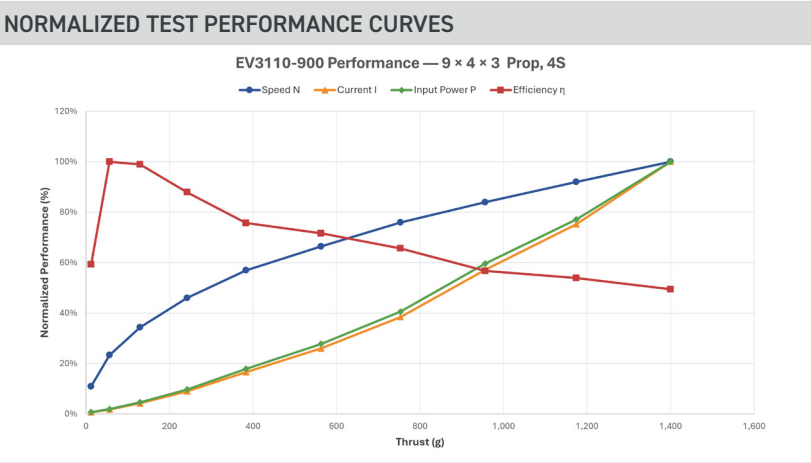
MOTOR

Stator Size: 3110
KV Rating: 900 KV
Configuration: 12N14P
Dimensions: 37 × 41 mm
Weight: 87 g
Shaft Diameter: 5 mm
Lead-Wire Length: 300 mm
Wire Gauge: 18 AWG (1 mm²)

ELECTRICAL

Test Battery Configuration: 4S LiPo
Maximum Rated Speed: 23,400 RPM
Maximum Tested Speed: 11,743 RPM
Idle Current (20 V): 1.1 A
Peak Current: 35 A
Winding Resistance: 73 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	16.81	0.13	1,286	12	2.2	5.49
20	16.80	0.36	2,743	56	6.0	9.26
30	16.76	0.84	4,029	129	14.1	9.16
40	16.71	1.78	5,400	242	29.7	8.14
50	16.60	3.29	6,686	383	54.6	7.01
60	16.46	5.16	7,800	563	84.9	6.63
70	16.28	7.61	8,914	753	123.9	6.08
80	16.07	11.33	9,857	956	182.1	5.25
90	15.80	14.90	10,800	1,174	235.4	4.99
100	15.41	19.82	11,743	1,400	305.4	4.58



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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