

DIMENSIONAL DRAWING

All dimensions in millimeters

GENERAL SPECIFICATIONS

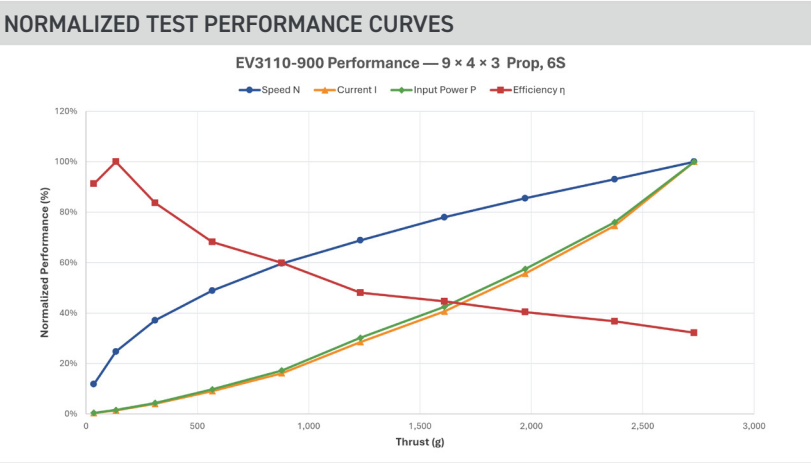
MOTOR

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: 6S LiPo
Maximum Rated Speed: 23,400 RPM
Maximum Tested Speed: 15,943 RPM
Idle Current (20 V): 1.1 A
Peak Current: 35 A
Winding Resistance: 73 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 9 × 4 × 3 BATTERY: 6S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	25.24	0.16	1,886	35	4.0	8.67
20	25.20	0.56	3,943	134	14.1	9.50
30	25.17	1.55	5,914	310	39.0	7.95
40	25.06	3.49	7,800	567	87.5	6.48
50	24.90	6.20	9,514	879	154.4	5.69
60	24.66	10.94	10,971	1,232	269.8	4.57
70	24.35	15.60	12,429	1,609	379.9	4.24
80	24.04	21.37	13,629	1,972	513.7	3.84
90	23.72	28.64	14,829	2,374	679.3	3.49
100	23.29	38.38	15,943	2,731	893.9	3.06



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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