

DIMENSIONAL DRAWING

All dimensions in millimeters

GENERAL SPECIFICATIONS

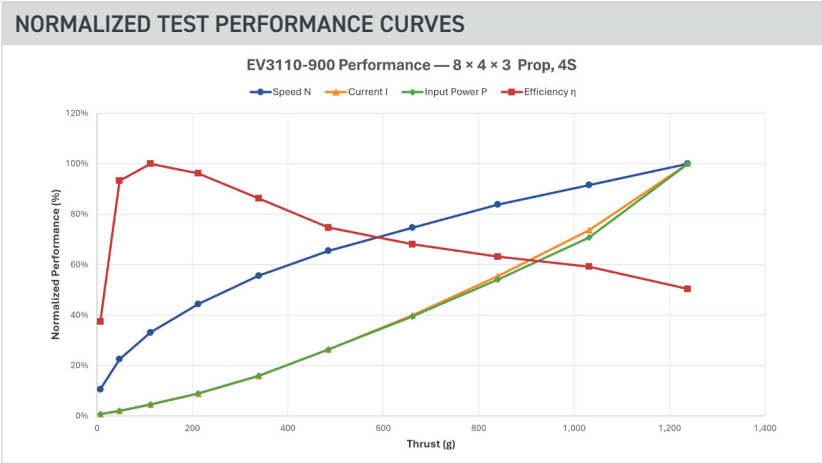
MOTOR

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: 12,171 RPM
Idle Current (20 V): 1.1 A
Peak Current: 35 A
Winding Resistance: 73 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 8 × 4 × 3 BATTERY: 4S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	16.80	0.13	1,286	7	2.2	3.21
20	16.78	0.35	2,743	47	5.9	8.00
30	16.74	0.78	4,029	112	13.1	8.58
40	16.69	1.54	5,400	212	25.7	8.25
50	16.60	2.76	6,771	339	45.8	7.40
60	16.48	4.59	7,971	485	75.6	6.41
70	16.30	6.94	9,086	661	113.1	5.84
80	16.09	9.64	10,200	840	155.1	5.42
90	15.84	12.81	11,143	1,031	202.9	5.08
100	16.49	17.39	12,171	1,238	286.8	4.32



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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