

DIMENSIONAL DRAWING

All dimensions in millimeters

GENERAL SPECIFICATIONS

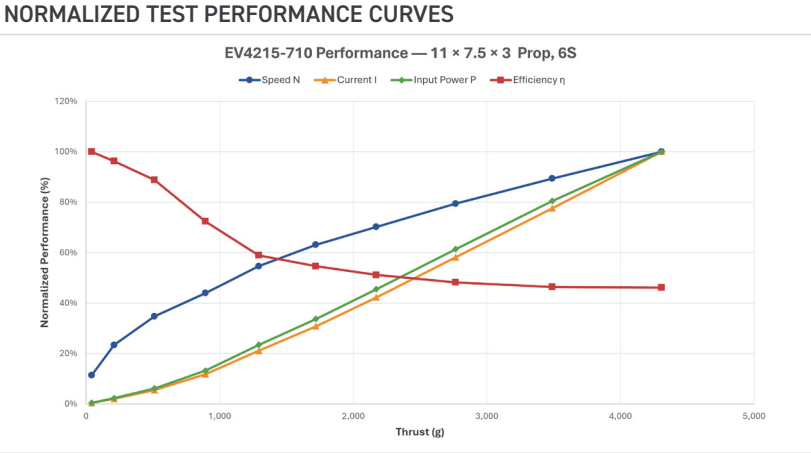
MOTOR

Stator Size: 4215
KV Rating: 710 KV
Configuration: 12N14P
Dimensions: 49 × 65 mm
Weight: 175 g
Shaft Diameter: 6 mm
Lead-Wire Length: 750 mm
Wire Gauge: 14 AWG (2.5 mm²)

ELECTRICAL

Test Battery Configuration: 6S LiPo
Maximum Rated Speed: 17,740 RPM
Maximum Tested Speed: 12,086 RPM
Idle Current (20 V): 3.5 A
Peak Current: 90 A
Winding Resistance: 30 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 11 × 7.5 × 3 BATTERY: 6S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	25.06	0.25	1,371	42	6.3	6.70
20	25.03	1.30	2,829	210	32.5	6.45
30	24.94	3.45	4,200	512	86.0	5.95
40	24.78	7.43	5,314	893	184.1	4.85
50	24.51	13.33	6,600	1,292	326.7	3.95
60	24.19	19.41	7,629	1,720	469.5	3.66
70	23.82	26.62	8,486	2,172	634.1	3.43
80	23.33	36.67	9,600	2,767	855.5	3.23
90	22.92	48.91	10,800	3,489	1,121.0	3.11
100	22.10	63.06	12,086	4,308	1,393.6	3.09



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

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