

DIMENSIONAL DRAWING

All dimensions in millimeters

GENERAL SPECIFICATIONS

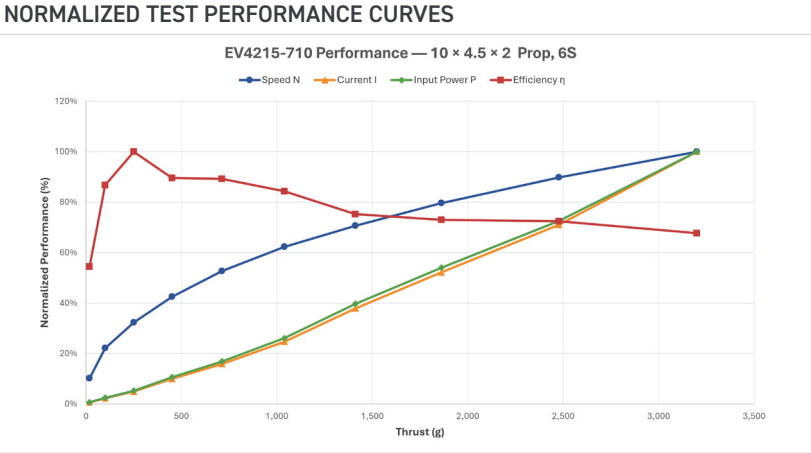
MOTOR

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: 14,314 RPM
Idle Current (20 V): 3.5 A
Peak Current: 90 A
Winding Resistance: 30 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 10 × 4.5 × 2 BATTERY: 6S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	25.04	0.25	1,457	18	6.3	2.88
20	25.03	0.87	3,171	100	21.8	4.59
30	24.99	1.89	4,629	250	47.2	5.29
40	24.92	3.81	6,086	450	94.9	4.74
50	24.83	6.05	7,543	712	151.0	4.72
60	24.67	9.45	8,914	1,039	233.1	4.46
70	24.48	14.48	10,114	1,411	354.5	3.98
80	24.19	19.95	11,400	1,862	482.6	3.86
90	23.84	27.15	12,857	2,477	647.3	3.83
100	23.35	38.24	14,314	3,200	892.9	3.58



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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