

DIMENSIONAL DRAWINGAll dimensions in millimeters

GENERAL SPECIFICATIONS

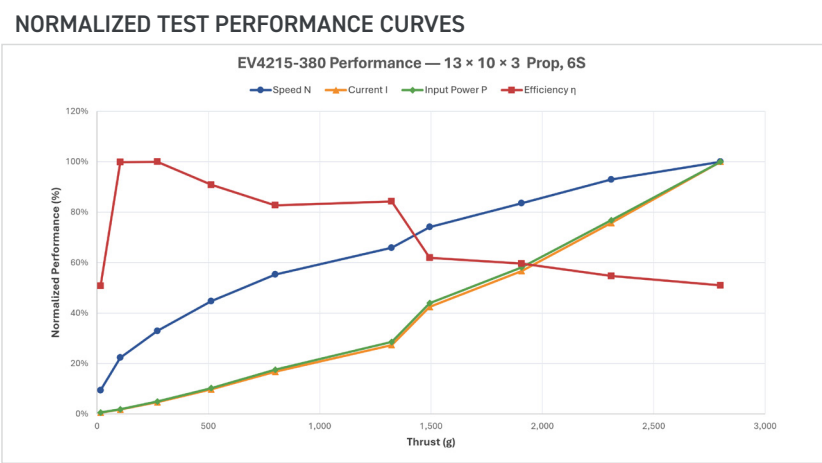
MOTOR

Stator Size: 4215
KV Rating: 380 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: 12,340 RPM
Maximum Tested Speed: 7,286 RPM
Idle Current (20 V): 1.4 A
Peak Current: 51 A
Winding Resistance: 66 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 13 × 10 × 3 BATTERY: 6S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	25.24	0.13	686	16	3.3	4.88
20	25.22	0.43	1,629	104	10.8	9.59
30	25.19	1.12	2,400	271	28.2	9.61
40	25.12	2.34	3,257	513	58.8	8.73
50	25.03	4.02	4,029	800	100.6	7.95
60	24.89	6.56	4,800	1,323	163.3	8.10
70	24.66	10.19	5,400	1,494	251.3	5.95
80	24.42	13.61	6,086	1,906	332.4	5.73
90	24.16	18.17	6,771	2,309	439.0	5.26
100	23.82	24.01	7,286	2,800	571.9	4.90



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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