

DIMENSIONAL DRAWINGAll dimensions in millimeters

GENERAL SPECIFICATIONS

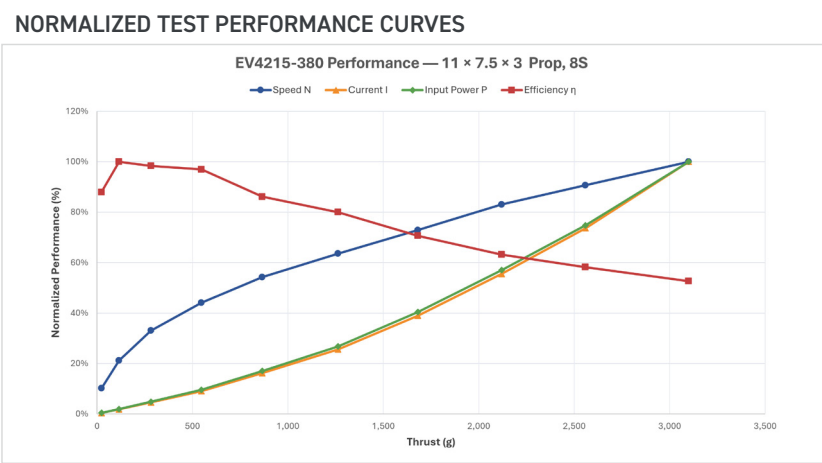
MOTOR

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: 8S LiPo
Maximum Rated Speed: 12,340 RPM
Maximum Tested Speed: 10,114 RPM
Idle Current (20 V): 1.4 A
Peak Current: 51 A
Winding Resistance: 66 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 11 × 7.5 × 3 BATTERY: 8S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	33.54	0.10	1,029	23	3.4	6.86
20	33.52	0.44	2,143	115	14.7	7.80
30	33.44	1.10	3,343	282	36.8	7.67
40	33.36	2.17	4,457	547	72.4	7.56
50	33.21	3.88	5,486	866	128.9	6.72
60	32.99	6.13	6,429	1,262	202.2	6.24
70	32.71	9.32	7,371	1,681	304.9	5.51
80	32.37	13.29	8,400	2,120	430.2	4.93
90	32.02	17.62	9,171	2,559	564.2	4.54
100	31.52	23.93	10,114	3,100	754.3	4.11



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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