

DIMENSIONAL DRAWING

All dimensions in millimeters

GENERAL SPECIFICATIONS

MOTOR

ELECTRICAL

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)

Test Battery Configuration: 6S LiPo

Maximum Rated Speed: 12,340 RPM

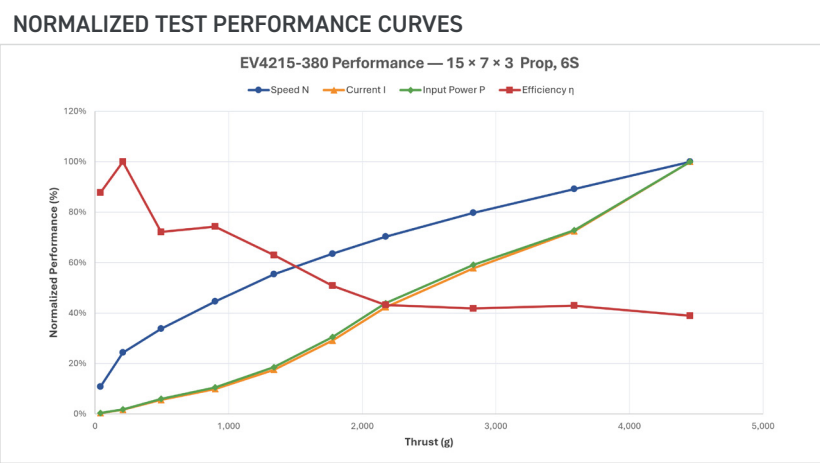
Maximum Tested Speed: 6,343 RPM

Idle Current (20 V): 1.4 A

Peak Current: 51 A

Winding Resistance: 66 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 15 × 7 × 3 BATTERY: 6S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	25.20	0.16	686	40	4.0	9.92
20	25.19	0.73	1,543	208	18.4	11.31
30	25.13	2.41	2,143	494	60.6	8.16
40	25.03	4.27	2,829	898	106.9	8.40
50	24.87	7.56	3,514	1,339	188.0	7.12
60	24.62	12.56	4,029	1,777	309.2	5.75
70	24.37	18.24	4,457	2,175	444.5	4.89
80	24.04	24.91	5,057	2,831	598.8	4.73
90	23.63	31.22	5,657	3,587	737.7	4.86
100	23.49	43.12	6,343	4,454	1,012.9	4.40



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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