

DIMENSIONAL DRAWING

All dimensions in millimeters

GENERAL SPECIFICATIONS

MOTOR

Stator Size:

4215

KV Rating:

340 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:

10,900 RPM

Maximum Tested Speed:

7,286 RPM

Idle Current (20 V):

1.1 A

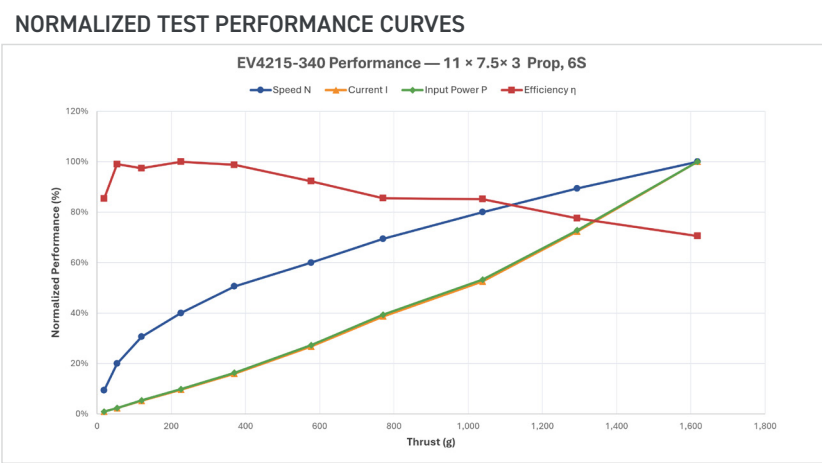
Peak Current:

32 A

Winding Resistance:

79 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	25.22	0.11	686	19	2.8	6.85
20	25.20	0.27	1,457	54	6.8	7.94
30	25.20	0.61	2,229	120	15.4	7.81
40	25.17	1.12	2,914	226	28.2	8.02
50	25.13	1.86	3,686	370	46.7	7.92
60	25.06	3.11	4,371	577	77.9	7.40
70	24.99	4.50	5,057	771	112.5	6.86
80	24.89	6.11	5,829	1,039	152.1	6.83
90	24.74	8.41	6,514	1,294	208.1	6.22
100	24.57	11.63	7,286	1,618	285.7	5.66



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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