

DIMENSIONAL DRAWING

All dimensions in millimeters

GENERAL SPECIFICATIONS

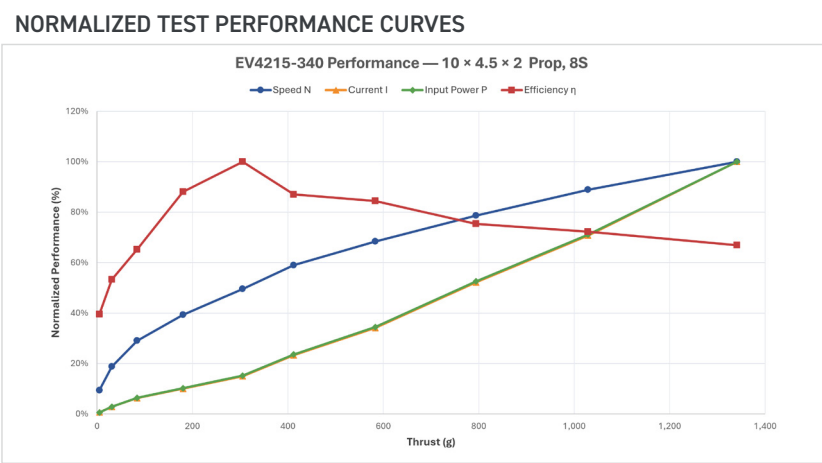
MOTOR

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: 8S LiPo
Maximum Rated Speed: 10,900 RPM
Maximum Tested Speed: 10,029 RPM
Idle Current (20 V): 1.1 A
Peak Current: 32 A
Winding Resistance: 79 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 10 × 4.5 × 2 BATTERY: 8S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	32.76	0.05	943	5	1.6	3.05
20	32.76	0.23	1,886	31	7.5	4.11
30	32.76	0.51	2,914	84	16.7	5.03
40	32.75	0.81	3,943	180	26.5	6.79
50	32.69	1.21	4,971	305	39.6	7.71
60	32.64	1.88	5,914	412	61.4	6.71
70	32.57	2.75	6,857	583	89.6	6.51
80	32.48	4.21	7,886	794	136.7	5.81
90	32.37	5.71	8,914	1,029	184.8	5.57
100	32.21	8.07	10,029	1,341	259.9	5.16



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:

SALES@PELONISTECH.COM

PELONISTECHNOLOGIES.COM