

DIMENSIONAL DRAWING

All dimensions in millimeters

GENERAL SPECIFICATIONS

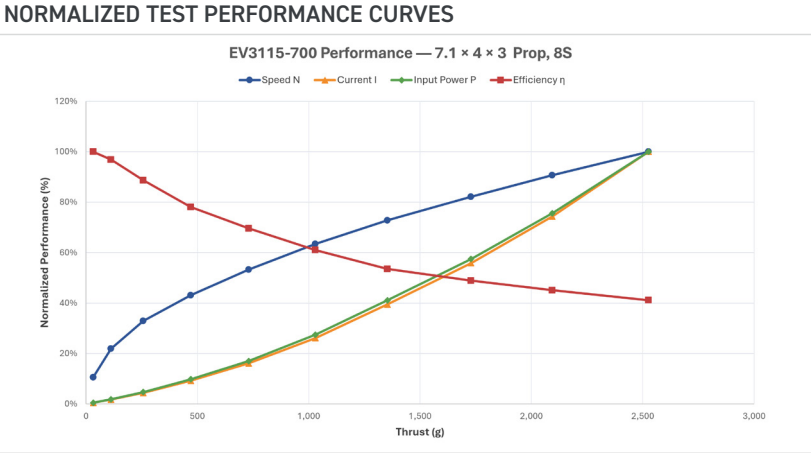
MOTOR

Stator Size: 3115
KV Rating: 700 KV
Configuration: 12N14P
Dimensions: 37 × 47 mm
Weight: 120 g
Shaft Diameter: 5 mm
Lead-Wire Length: 300 mm
Wire Gauge: 16 AWG (1.5 mm²)

ELECTRICAL

Test Battery Configuration: 8S LiPo
Maximum Rated Speed: 25,700 RPM
Maximum Tested Speed: 21,086 RPM
Idle Current (20 V): 1.1 A
Peak Current: 55 A
Winding Resistance: 56 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 7.1 × 4 × 3 BATTERY: 8S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	33.54	0.13	2,229	32	4.4	7.34
20	33.52	0.47	4,629	112	15.8	7.11
30	33.47	1.18	6,943	257	39.5	6.51
40	33.36	2.46	9,086	470	82.1	5.73
50	33.21	4.30	11,229	730	142.8	5.11
60	32.99	6.97	13,371	1,030	229.9	4.48
70	32.71	10.52	15,343	1,353	344.1	3.93
80	32.34	14.89	17,314	1,729	481.5	3.59
90	31.93	19.82	19,114	2,094	632.9	3.31
100	31.40	26.67	21,086	2,526	837.4	3.02



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