

DIMENSIONAL DRAWING

All dimensions in millimeters

GENERAL SPECIFICATIONS

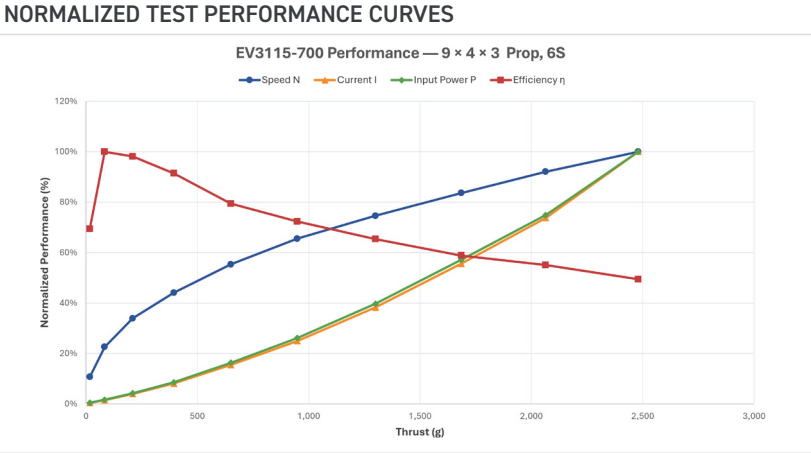
MOTOR

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: 6S LiPo
Maximum Rated Speed: 25,700 RPM
Maximum Tested Speed: 15,171 RPM
Idle Current (20 V): 1.1 A
Peak Current: 55 A
Winding Resistance: 56 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 9 × 4 × 3 BATTERY: 6S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	25.22	0.13	1,629	17	3.3	5.19
20	25.22	0.44	3,429	83	11.1	7.48
30	25.19	1.13	5,143	209	28.5	7.34
40	25.15	2.29	6,686	394	57.6	6.84
50	25.03	4.37	8,400	650	109.4	5.94
60	24.90	7.04	9,943	948	175.3	5.41
70	24.66	10.79	11,314	1,300	266.1	4.89
80	24.41	15.69	12,686	1,685	383.0	4.40
90	24.12	20.79	13,971	2,064	501.5	4.12
100	23.75	28.20	15,171	2,480	669.8	3.70



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