

DIMENSIONAL DRAWING

All dimensions in millimeters

GENERAL SPECIFICATIONS

MOTOR

Stator Size:

3110

KV Rating:

900 KV

Configuration:

12N14P

Dimensions:

37 × 41 mm

Weight:

87 g

Shaft Diameter:

5 mm

Lead-Wire Length:

300 mm

Wire Gauge:

18 AWG (1 mm²)

ELECTRICAL

Test Battery Configuration:

6S LiPo

Maximum Rated Speed:

23,400 RPM

Maximum Tested Speed:

18,600 RPM

Idle Current (20 V):

1.1 A

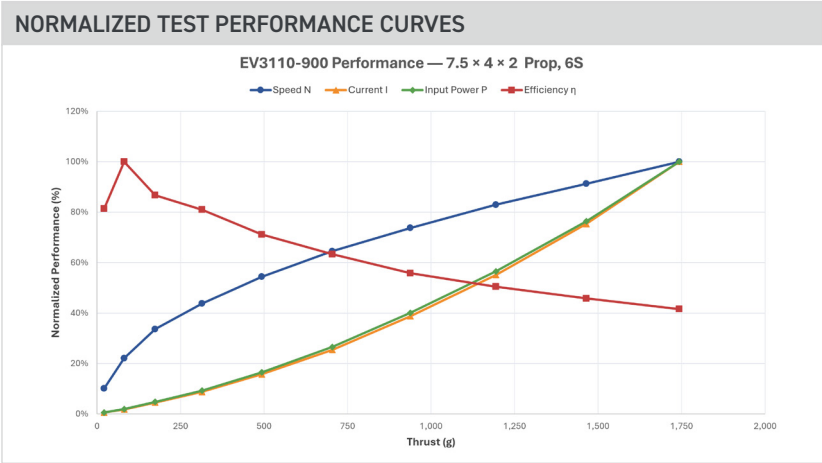
Peak Current:

35 A

Winding Resistance:

73 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 7.5 × 4 × 2 BATTERY: 6S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	25.22	0.14	1,886	21	3.5	5.95
20	25.20	0.44	4,114	81	11.1	7.31
30	25.19	1.09	6,257	174	27.5	6.34
40	25.12	2.11	8,143	314	53.0	5.92
50	25.01	3.79	10,114	493	94.8	5.20
60	24.89	6.11	12,000	704	152.1	4.63
70	24.67	9.31	13,714	938	229.7	4.08
80	24.46	13.24	15,429	1,194	323.9	3.69
90	24.19	18.09	16,971	1,465	437.6	3.35
100	23.86	24.02	18,600	1,743	573.1	3.04



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