

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:

4S LiPo

Maximum Rated Speed:

23,400 RPM

Maximum Tested Speed:

13,200 RPM

Idle Current (20 V):

1.1 A

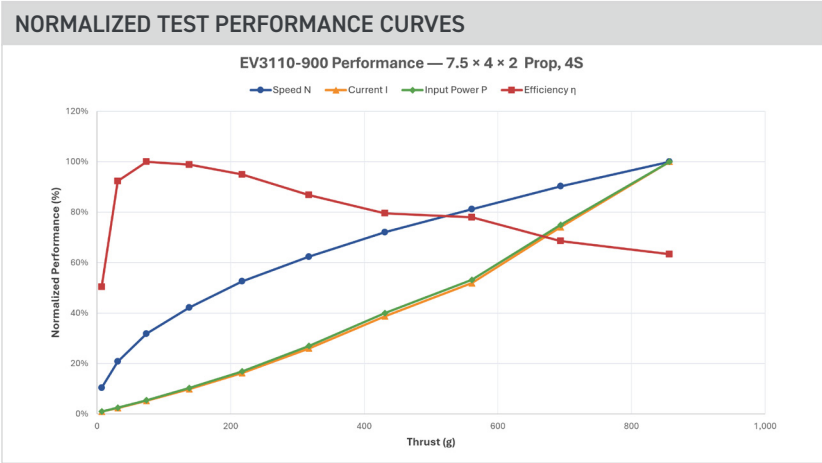
Peak Current:

35 A

Winding Resistance:

73 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 7.5 × 4 × 2 BATTERY: 4S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	16.78	0.12	1,371	7	2.0	3.48
20	16.78	0.29	2,743	31	4.9	6.37
30	16.76	0.64	4,200	74	10.7	6.90
40	16.72	1.21	5,571	138	20.2	6.82
50	16.65	1.99	6,943	217	33.1	6.55
60	16.58	3.19	8,229	317	52.9	5.99
70	16.48	4.76	9,514	431	78.4	5.49
80	16.33	6.38	10,714	561	104.2	5.38
90	16.14	9.10	11,914	694	146.9	4.73
100	15.95	12.29	13,200	857	196.0	4.37



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