

DIMENSIONAL DRAWING

All dimensions in millimeters

GENERAL SPECIFICATIONS

MOTOR

Stator Size: 3115
KV Rating: 900 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: 24,500 RPM
Maximum Tested Speed: 18,343 RPM
Idle Current (20 V): 2 A
Peak Current: 45 A
Winding Resistance: 38 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 8 × 4 × 3 BATTERY: 6S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	25.24	0.21	2,057	22	5.3	4.15
20	25.20	0.77	4,286	131	19.4	6.75
30	25.15	1.93	6,429	319	48.5	6.57
40	25.04	3.95	8,400	568	98.9	5.74
50	24.85	7.02	10,371	896	174.4	5.14
60	24.57	11.25	12,171	1,263	276.4	4.57
70	24.27	16.89	13,800	1,642	409.9	4.01
80	23.91	23.37	15,429	2,085	558.8	3.73
90	23.45	31.59	16,886	2,575	740.8	3.48
100	22.97	42.30	18,343	2,951	971.6	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:

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