

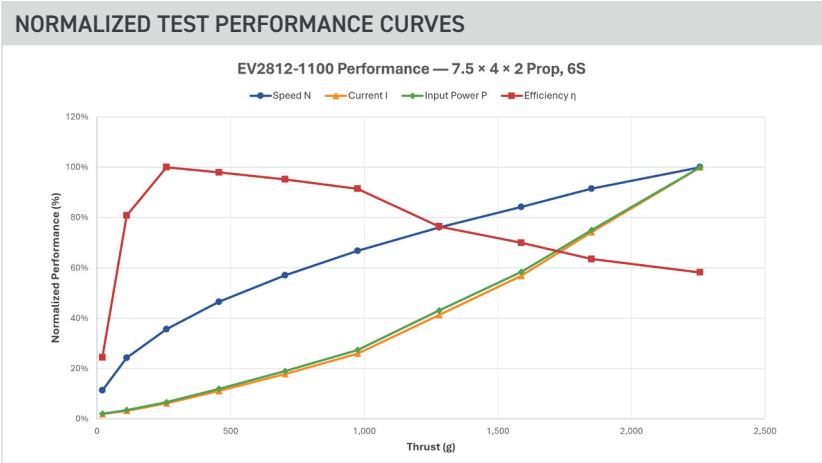
DIMENSIONAL DRAWINGAll dimensions in millimeters

GENERAL SPECIFICATIONS

MOTORELECTRICAL

Stator Size:	2812	Test Battery Configuration:	6S LiPo
KV Rating:	1100 KV	Maximum Rated Speed:	29,100 RPM
Configuration:	12N14P	Maximum Tested Speed:	21,171 RPM
Dimensions:	33.4 × 40 mm	Idle Current (20 V):	1.4 A
Weight:	78.9 g	Peak Current:	55 A
Shaft Diameter:	5 mm	Winding Resistance:	53.4 mΩ
Lead-Wire Length:	250 mm		
Wire Gauge:	18 AWG (1 mm²)		

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	25.24	0.75	2,400	20	18.9	1.06
20	25.20	1.26	5,143	111	31.8	3.5
30	25.15	2.39	7,543	260	60.1	4.33
40	24.04	4.29	9,857	456	107.4	4.24
50	24.87	6.87	12,086	704	170.9	4.12
60	24.60	10.00	14,143	975	246.0	3.96
70	24.32	15.89	16,114	1,280	386.4	3.31
80	23.93	21.91	17,829	1,588	524.3	3.03
90	23.54	28.60	19,371	1,851	673.2	2.75
100	23.29	38.52	21,171	2,257	897.1	2.52



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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