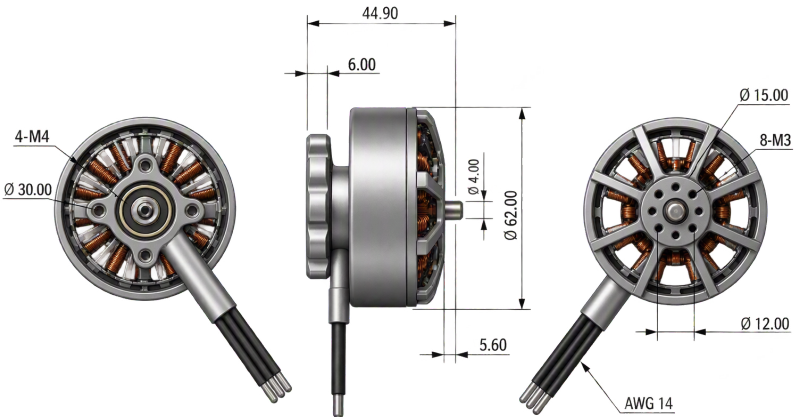


DIMENSIONAL DRAWING

All dimensions in millimeters



GENERAL SPECIFICATIONS

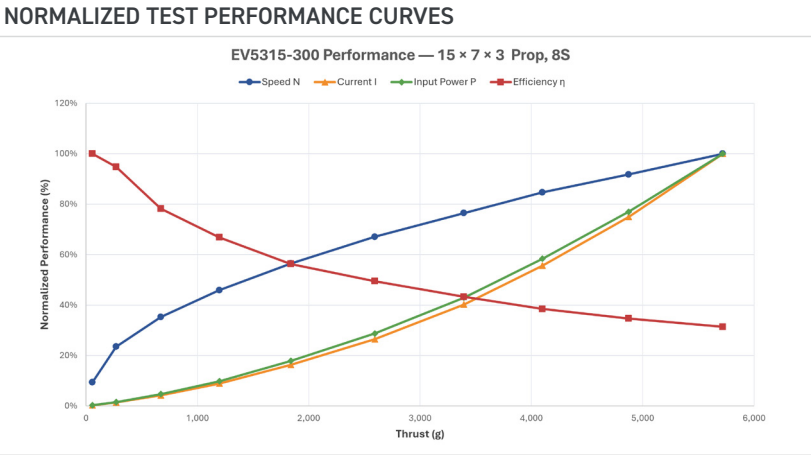
MOTOR

Stator Size: 5315
KV Rating: 300 KV
Configuration: 12N14P
Dimensions: 62 × 44.7 mm
Weight: 362 g
Shaft Diameter: 6 mm / Bolt mounted
Lead-Wire Length: 600 mm
Wire Gauge: 14 AWG (2.5 mm²)

ELECTRICAL

Test Battery Configuration: 8S LiPo
Maximum Rated Speed: 13,320 RPM
Maximum Tested Speed: 7,286 RPM
Idle Current (20 V): 2.2 A
Peak Current: 52 A
Winding Resistance: 42 mΩ

PROPELLER PERFORMANCE DATA						
PROPELLER: 15 × 7 × 3 BATTERY: 8S LiPo						
Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	32.75	0.14	686	57	4.6	12.43
20	32.73	0.70	1,714	270	22.9	11.78
30	32.62	2.12	2,571	672	69.2	9.72
40	32.43	4.44	3,343	1,197	144.0	8.31
50	32.21	8.16	4,114	1,839	262.8	7.00
60	31.88	13.23	4,886	2,593	421.8	6.15
70	31.36	20.10	5,571	3,394	630.3	5.38
80	30.82	27.81	6,171	4,099	857.1	4.78
90	30.18	37.42	6,686	4,873	1,129.3	4.31
100	29.38	49.95	7,286	5,719	1,467.5	3.90



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