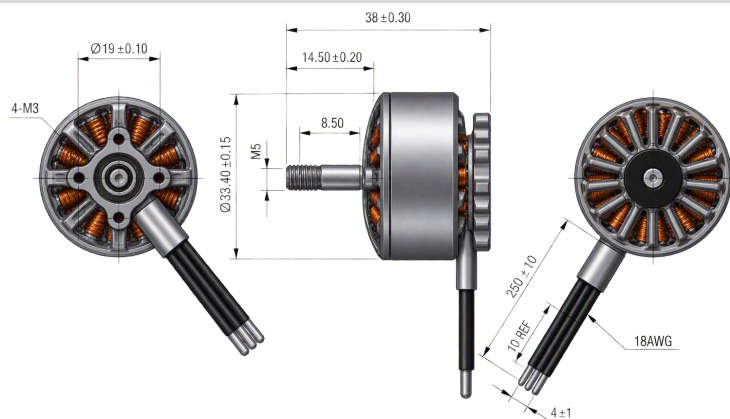


DIMENSIONAL DRAWING

All dimensions in millimeters



GENERAL SPECIFICATIONS

MOTOR

Stator Size:	2810
KV Rating:	1100 KV
Configuration:	12N14P
Dimensions:	33.4 × 38 mm
Weight:	70 g
Shaft Diameter:	5 mm
Lead-Wire Length:	250 mm
Wire Gauge:	18 AWG (1 mm ²)

ELECTRICAL

Test Battery Configuration:	6S LiPo
Maximum Rated Speed:	30,100 RPM
Maximum Tested Speed:	25,286 RPM
Idle Current (20 V):	1.8 A
Peak Current:	50 A
Winding Resistance:	52 mΩ

PROPELLER PERFORMANCE DATA

PROPELLER: 6 × 3 × 3 | BATTERY: 6S LiPo

Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (g)	Input Power (W)	Efficiency (g/W)
10	25.24	0.16	2,571	3	4.0	0.74
20	25.22	0.52	5,486	49	13.1	3.74
30	25.19	1.09	8,229	135	27.5	4.92
40	25.13	2.12	10,971	256	53.3	4.81
50	25.04	3.70	13,457	400	92.6	4.32
60	24.92	5.65	15,857	576	140.8	4.09
70	24.76	8.33	18,343	773	206.3	3.75
80	24.55	12.13	20,571	987	297.8	3.31
90	24.30	16.42	22,886	1,223	399.0	3.07
100	23.98	21.92	25,286	1,513	525.6	2.88

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

NORMALIZED TEST PERFORMANCE CURVES

