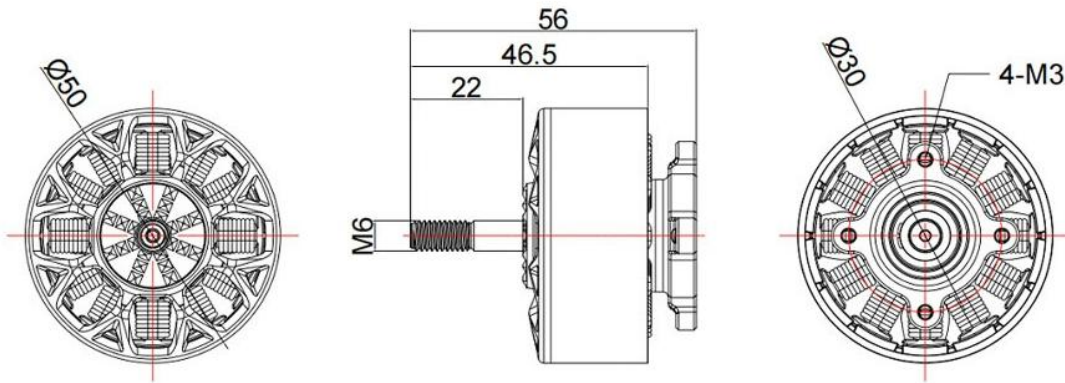


4315-600KV

HIGH-PERFORMANCE BRUSHLESS MOTOR

Application: 15Inch FPV Long Range

ENGINEERING DRAWING OVERVIEW



Specification	Value
Stator Diameter	Ø50 mm
Total Height	56 mm
Shaft Thread	M3
Mounting Pattern	30×30 mm (4-M3)

BASIC PARAMETERS

Parameter	Value
KV Value	600
Configuration (Slots/Poles)	12N14P
Shaft Diameter	6 mm
Silicone Wire	16#
Motor Weight (including cable)	210 g
Phase Terminal Resistance (including cable)	24.4 mΩ

Parameter	Value
Working Voltage	8S (Lipo)
No-Load Current (10V)	1.8 A
Maximum Power	2767.3 W
Maximum Current	93 A

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PERFORMANCE TEST DATA (8S VOLTAGE)

Propeller: 15×7.3×3 3-Blade-8S

Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (gf)	Power (W)	Efficiency (gf/W)
10	32.03	0.39	1636	104.18	12.59	8.28
20	32.00	1.92	3180	457.26	61.57	7.43
30	31.92	5.81	4690	1146.58	185.58	6.18
40	31.82	12.13	5973	2086.92	385.85	5.41
50	31.59	22.45	7185	3215.21	709.13	4.53
60	31.33	34.99	8174	4297.00	1096.21	3.92
70	31.03	49.40	8991	5330.87	1532.85	3.48
80	30.70	64.78	9630	6235.99	1988.59	3.14
90	30.33	83.10	10206	7035.34	2520.48	2.79
100	29.63	93.39	10476	7297.00	2767.12	2.64

Propeller: 15×7.3×3 3-Blade-6S

Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (gf)	Power (W)	Efficiency (gf/W)
10	25.24	0.33	1393	82.39	8.43	9.77

Throttle (%)	Voltage (V)	Current (A)	Speed (RPM)	Thrust (gf)	Power (W)	Efficiency (gf/W)
20	25.21	1.52	2628	352.35	38.29	9.20
30	25.17	4.02	3759	768.33	101.23	7.59
40	25.06	7.94	4703	1283.16	198.88	6.45
50	24.84	15.76	5893	2216.51	391.43	5.66
60	24.59	25.35	6791	3138.06	623.41	5.03
70	24.27	36.76	7566	3977.08	892.12	4.46
80	23.87	50.18	8221	4849.01	1197.84	4.05
90	23.41	65.19	8781	5569.93	1525.98	3.65
100	22.87	83.16	9304	6422.45	1901.78	3.38

* Technical specifications are based on manufacturer's lab environment testing. Actual performance may vary.