

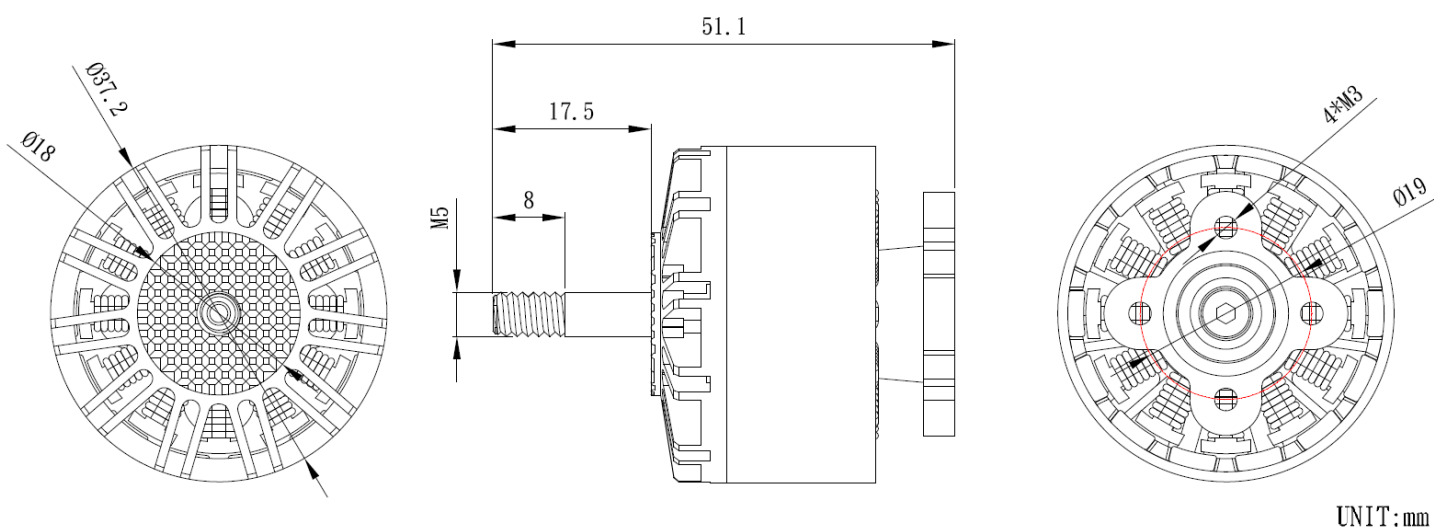
FPV Motor

M-3115KV900

Featuring a 900KV rating and a compact motor size, the M-3115KV900 FPV motor is engineered for high performance and reliability. It ensures durability and easy integration. The M-3115KV900 supports 6S LiPo batteries and handles up to 80A of maximum current. Precision engineering ensures low idle current, high insulation resistance, and excellent dynamic balance (< 6 mg) for smooth, stable flight performance. It provides strong power output and agile response, allowing users to fly with ease.



Product Drawing



Specifications

KV	900KV	Configuration	12N14P
Stator Dimension (mm)	31mm	Motor Dimension (mm)	Ø37.2*51.1mm
Stator Height (mm)	15mm	AWG	16# 250mm
Weight Including cable (g)	118g	Magnet	N52
Internal Resistance (mΩ)	33.80mΩ	Idle Current	1.57A/10V
No. of Cells (Lipo) (S)	6S	ESC	6S 80A
Max Power (W)	1830W	Propeller	9x4" - 10x5"
Max Current (A)	80.05A	Insulation Resistance	≥ 0.5MΩ
Dynamic Balance Requirement Standards	≤ 6mg	Coil Test	PASS

Load Test Data

Propeller	Throttle (%)	Voltage (V)	Current (A)	RPM	Thrust (g)	Input Power (W)	Thrust efficiency (g/W)	Torque (N·m)
HQProp MQ9*4*3R	10	24.00	0.22	1954	14	5.4	2.6	0.015
	20	23.99	0.87	4101	115	20.9	5.5	0.030
	30	23.98	2.15	6056	304	51.5	5.9	0.059
	40	23.96	3.89	7626	536	93.1	5.8	0.093
	50	23.92	6.95	9346	857	166.2	5.2	0.140
	60	23.88	11.60	11090	1269	276.9	4.6	0.199
	70	23.82	17.88	12755	1747	425.7	4.1	0.268
	80	23.74	25.47	14262	2238	604.5	3.7	0.338
	90	23.64	35.05	15638	2744	828.4	3.3	0.415
	100	23.52	46.78	17004	3261	1100.2	3.0	0.495
HQProp MQ9*5*3R	10	24.00	0.24	1924	20	5.8	3.5	0.013
	20	23.99	1.02	3931	174	24.4	7.1	0.040
	30	23.97	2.50	5567	408	59.9	6.8	0.078
	40	23.94	5.51	7270	747	131.9	5.7	0.138
	50	23.90	9.83	8885	1157	234.9	4.9	0.206
	60	23.83	16.32	10436	1646	389.0	4.2	0.286
	70	23.75	24.97	11871	2187	593.0	3.7	0.377
	80	23.63	35.86	13232	2759	847.5	3.3	0.474
	90	23.50	48.74	14432	3319	1145.5	2.9	0.575
	100	23.35	63.85	15490	3846	1490.6	2.6	0.673
HQProp MQ10*4.5*3R	10	24.00	0.27	1866	19	6.4	3.0	0.019
	20	23.99	1.06	3908	164	25.5	6.4	0.041
	30	23.97	2.52	5567	404	60.4	6.7	0.079
	40	23.94	5.41	7258	774	129.6	6.0	0.133
	50	23.90	10.09	8860	1195	241.0	5.0	0.215
	60	23.83	16.65	10389	1731	396.6	4.4	0.299
	70	23.74	25.31	11845	2372	600.9	3.9	0.383
	80	23.62	36.52	13164	2988	862.6	3.5	0.486
	90	23.49	49.94	14325	3642	1173.0	3.1	0.585
	100	23.33	65.44	15332	4243	1526.7	2.8	0.688
HQProp MQ10*5*3R	10	24.00	0.26	1763	39	6.2	6.3	0.017
	20	23.99	1.10	3514	222	26.3	8.4	0.049
	30	23.96	3.41	5305	553	81.8	6.8	0.126
	40	23.92	7.50	6917	1021	179.5	5.7	0.192
	50	23.86	13.76	8416	1556	328.2	4.7	0.287
	60	23.77	22.11	9740	2133	525.6	4.1	0.392
	70	23.66	33.53	10985	2760	793.4	3.5	0.507
	80	23.51	47.88	12129	3381	1125.7	3.0	0.622
	90	23.34	65.41	13065	3994	1526.4	2.6	0.732
	100	22.86	80.05	13732	4447	1829.9	2.4	0.816