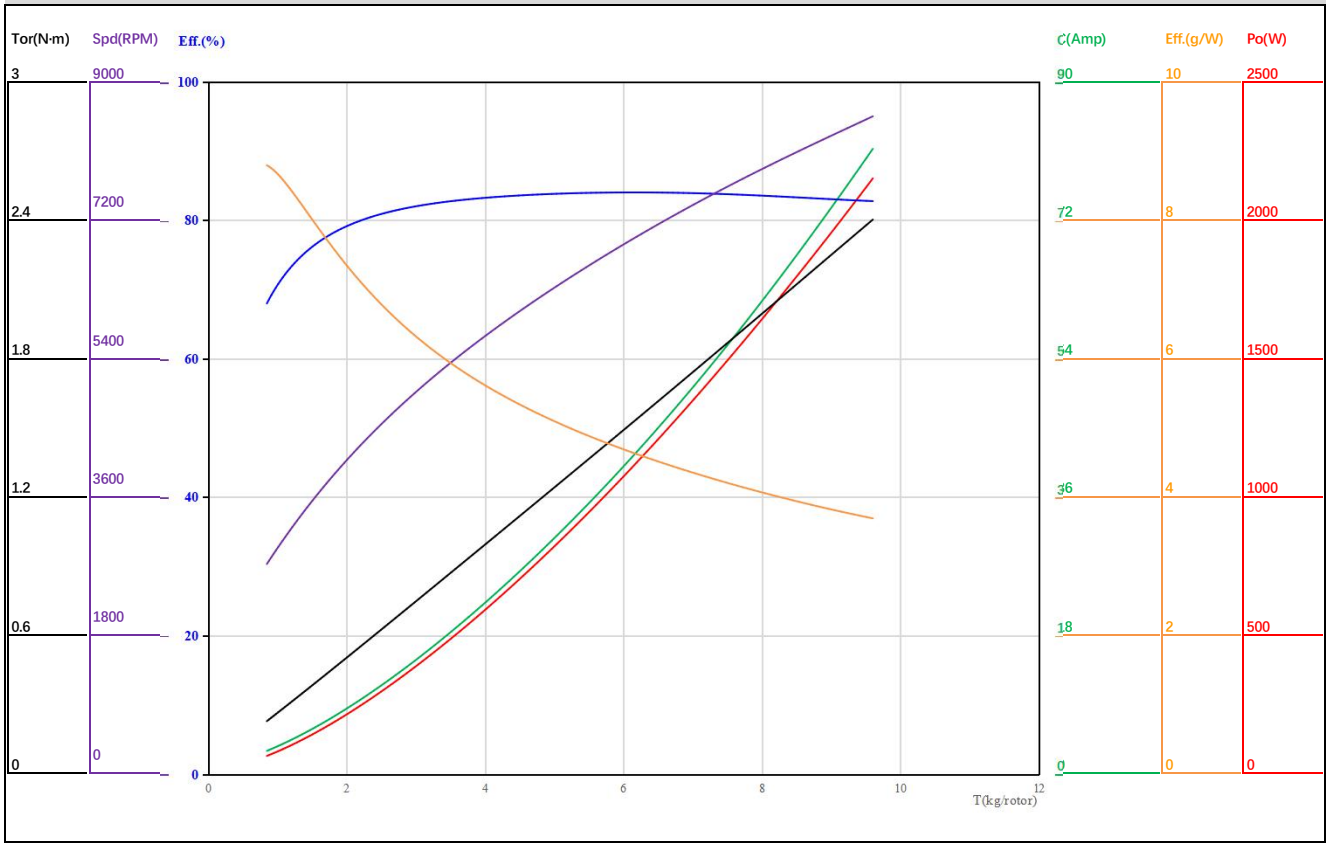
负载性能参数 Load performance parameters

曲线图 Graph



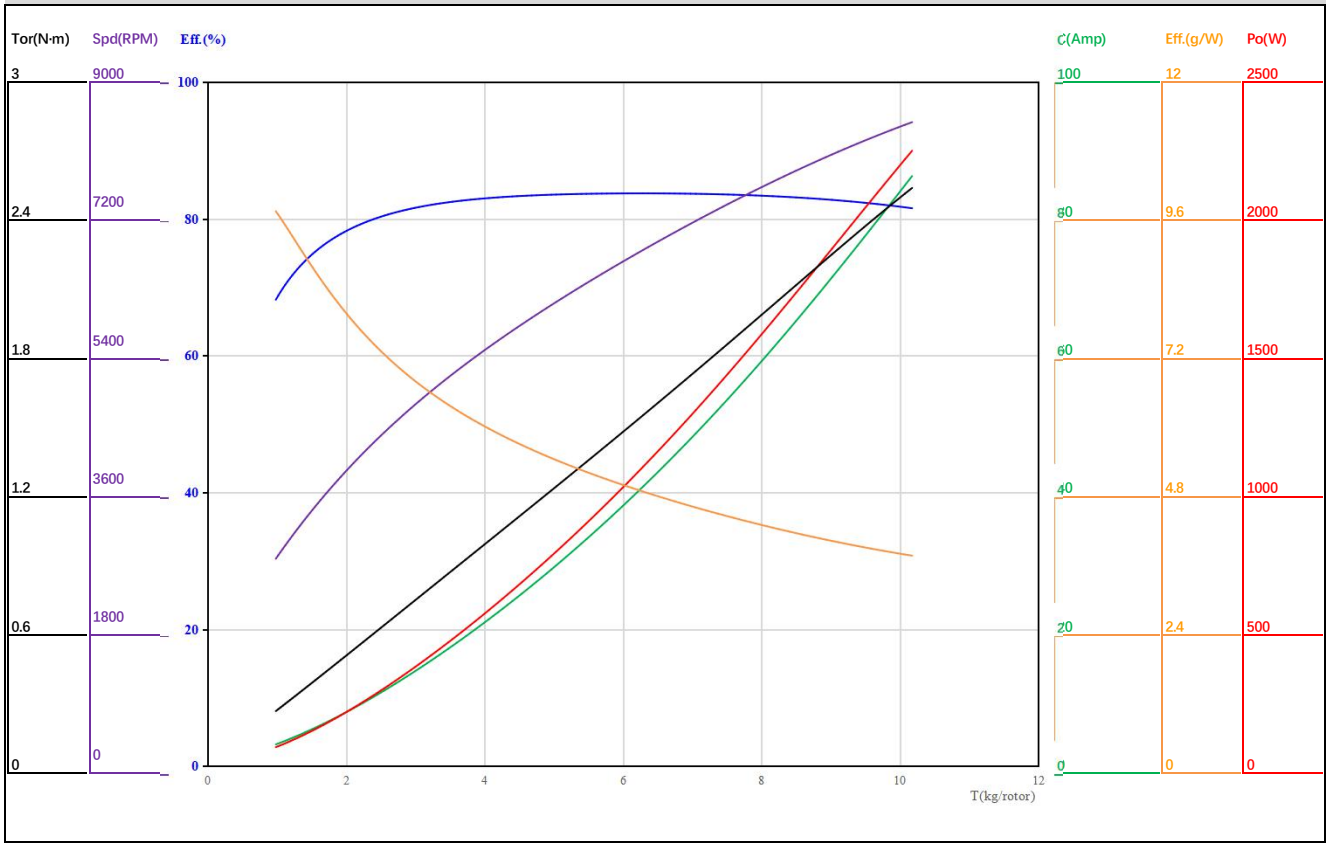
拉力数据表 Motor Propeller Pull Test Data

Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power Input(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 力效	Torque (N·m) 扭矩	Power Output(W) 输出功率	Temperature(℃) 电机温度
32V (8S LiPo)	HQ16x8x3 Propeller	33%	1045	3.8	121.2	2994	8.6	0.28	86.4	110℃ 4min55s
		35%	1181	4.4	139.6	3166	8.5	0.31	102.0	
		37%	1322	5.0	160.0	3339	8.3	0.34	119.3	
		39%	1471	5.7	182.5	3513	8.1	0.38	138.5	
		42%	1708	6.9	221.0	3777	7.7	0.43	171.5	
		45%	1966	8.3	266.0	4045	7.4	0.50	210.1	
		48%	2246	9.9	318.1	4316	7.1	0.56	254.8	
		51%	2547	11.8	378.0	4589	6.7	0.64	306.2	
		54%	2870	13.9	446.0	4861	6.4	0.72	364.7	
		57%	3214	16.3	522.5	5131	6.2	0.80	430.3	
		60%	3576	19.0	607.4	5399	5.9	0.89	503.1	
		63%	3955	21.9	700.9	5663	5.6	0.98	583.1	
		66%	4349	25.1	802.7	5922	5.4	1.08	670.2	
		69%	4757	28.5	912.9	6176	5.2	1.18	764.1	
		72%	5176	32.2	1031.2	6425	5.0	1.29	864.8	
		75%	5605	36.2	1157.6	6669	4.8	1.39	972.0	
		78%	6042	40.4	1292.2	6907	4.7	1.50	1085.6	
		81%	6488	44.9	1435.3	7140	4.5	1.61	1205.6	
		84%	6942	49.6	1587.3	7368	4.4	1.73	1332.1	
		87%	7405	54.7	1749.0	7591	4.2	1.84	1465.5	
		90%	7880	60.1	1921.5	7810	4.1	1.96	1606.4	
		100%	9601	81.3	2599.3	8550	3.7	2.40	2151.1	

The above data is measured at room temperature 25℃ and sea level height. If the the throttle input adjustment tensile force is measured, the full-load full throttle running time should be controlled, otherwise there is a risk of burning the motor
(以上数据为室温25°C、海平面高度的环境下,变化油门输入调节拉力测得应控制满载全油门运行时间,否则有烧毁电机的危险。)

负载性能参数 Load performance parameters

曲线图 Graph



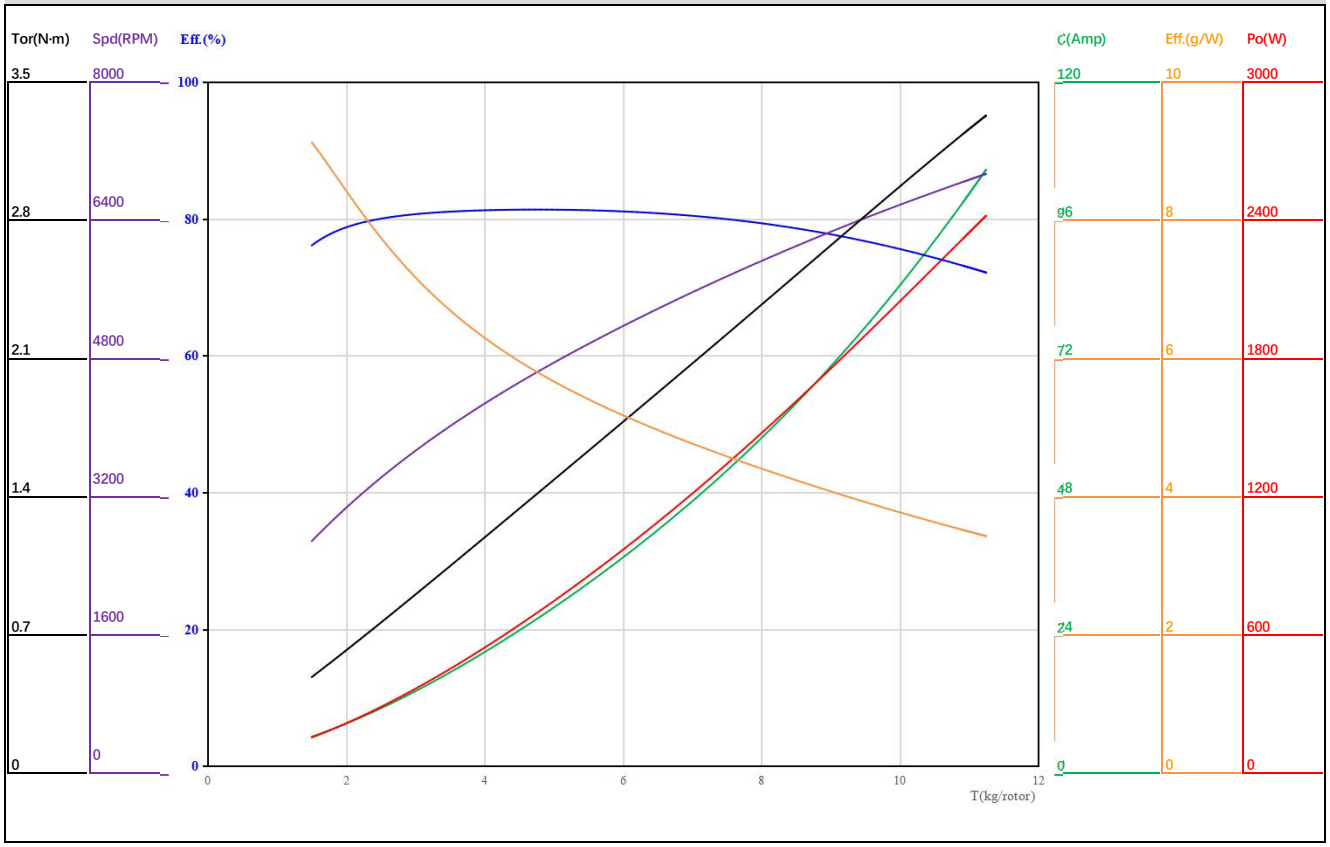
拉力数据表 Motor Propeller Pull Test Data

Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power Input(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 力效	Torque (N·m) 扭矩	Power Output(W) 输出功率	Temperature(℃) 电机温度
32V (8S LiPo)	HQ17x8x3 Propeller	33%	1187	4.0	126.9	2988	9.4	0.29	90.5	120℃ 3min18s
		35%	1328	4.6	146.2	3158	9.1	0.32	106.7	
		37%	1475	5.2	167.4	3329	8.8	0.36	124.7	
		39%	1630	6.0	190.8	3500	8.5	0.39	144.7	
		42%	1878	7.2	231.1	3761	8.1	0.45	179.1	
		45%	2149	8.7	278.1	4028	7.7	0.52	219.6	
		48%	2445	10.4	332.9	4298	7.3	0.59	266.7	
		51%	2765	12.4	395.9	4571	7.0	0.67	321.0	
		54%	3109	14.6	467.6	4843	6.6	0.75	382.6	
		57%	3474	17.1	548.2	5112	6.3	0.84	451.8	
		60%	3859	19.9	637.7	5379	6.1	0.94	528.3	
		63%	4262	23.0	735.9	5640	5.8	1.04	612.0	
		66%	4678	26.3	842.7	5896	5.6	1.14	702.8	
		69%	5106	30.0	958.0	6147	5.3	1.24	800.4	
		72%	5543	33.8	1081.5	6392	5.1	1.35	904.7	
		75%	5988	37.9	1213.4	6632	4.9	1.46	1015.6	
		78%	6439	42.3	1353.8	6866	4.8	1.58	1133.2	
		81%	6897	47.0	1503.1	7096	4.6	1.69	1257.6	
		84%	7362	52.0	1662.2	7321	4.4	1.81	1389.2	
		87%	7838	57.3	1832.3	7542	4.3	1.94	1528.7	
		90%	8329	63.0	2015.4	7759	4.1	2.06	1677.1	
		100%	10176	86.2	2757.8	8471	3.7	2.54	2248.5	

The above data is measured at room temperature 25℃ and sea level height. If the the throttle input adjustment tensile force is measured, the full-load full throttle running time should be controlled, otherwise there is a risk of burning the motor
(以上数据为室温25°C、海平面高度的环境下,变化油门输入调节拉力测得应控制满载全油门运行时间,否则有烧毁电机的危险。)

负载性能参数 Load performance parameters

曲线图 Graph



拉力数据表 Motor Propeller Pull Test Data

Voltage(V) 工作电压	Propeller 螺旋桨	Throttle(%) 油门	Thrust(g) 拉力	Current(A) 电流	Power Input(W) 输入功率	Speed(RPM) 转速	Efficiency(g/W) 力效	Torque (N·m) 扭矩	Power Output(W) 输出功率	Temperature(℃) 电机温度
32V (8S LiPo)	GF18x10x3 Propeller	33%	1769	6.3	202.3	2845	8.7	0.53	157.3	100℃ 57s
		35%	1978	7.3	234.4	3004	8.4	0.59	184.4	
		37%	2207	8.5	272.0	3170	8.1	0.65	215.9	
		39%	2452	9.8	315.0	3339	7.8	0.72	251.7	
		42%	2845	12.2	389.2	3592	7.3	0.83	313.3	
		45%	3264	14.8	474.6	3842	6.9	0.95	383.9	
		48%	3704	17.9	571.0	4085	6.5	1.08	463.3	
		51%	4164	21.2	678.3	4322	6.1	1.22	551.3	
		54%	4644	24.9	797.1	4554	5.8	1.36	648.3	
		57%	5144	29.0	928.1	4781	5.5	1.51	754.6	
		60%	5664	33.5	1072.6	5006	5.3	1.66	870.9	
		63%	6204	38.5	1231.9	5229	5.0	1.82	997.5	
		66%	6764	44.0	1407.7	5449	4.8	1.99	1134.9	
		69%	7340	50.1	1601.2	5667	4.6	2.16	1282.7	
		72%	7928	56.7	1813.0	5881	4.4	2.34	1440.1	
		75%	8519	63.9	2042.3	6086	4.2	2.52	1604.5	
		78%	9103	71.5	2286.0	6281	4.0	2.69	1772.3	
		81%	9664	79.3	2537.5	6460	3.8	2.86	1937.5	
		84%	10182	87.1	2785.8	6618	3.7	3.02	2092.6	
		87%	10632	94.3	3014.4	6751	3.5	3.15	2228.4	
		90%	10983	100.1	3201.2	6851	3.4	3.25	2334.4	
		100%	11244	104.6	3344.9	6924	3.4	3.33	2412.9	

The above data is measured at room temperature 25℃ and sea level height. If the the throttle input adjustment tensile force is measured, the full-load full throttle running time should be controlled, otherwise there is a risk of burning the motor
(以上数据为室温25℃、海平面高度的环境下,变化油门输入调节拉力测得应控制满载全油门运行时间,否则有烧毁电机的危险。)