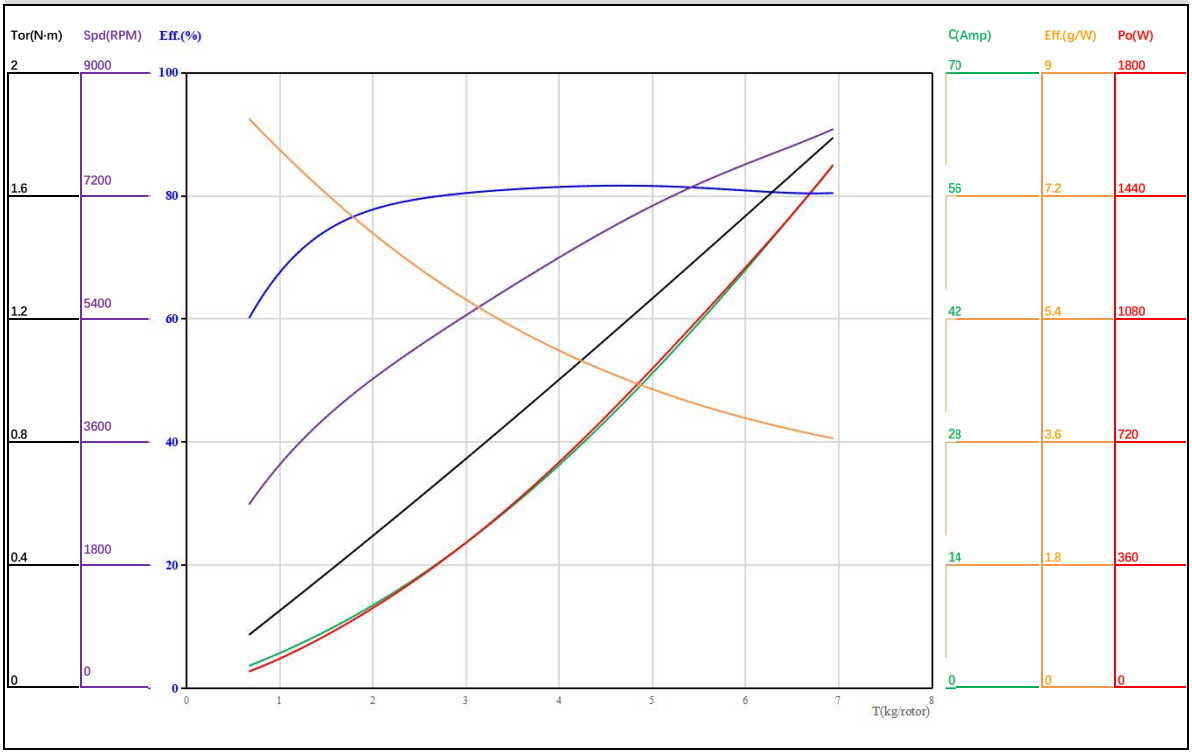
负载性能参数 Load performance parameters

曲线图 Graph



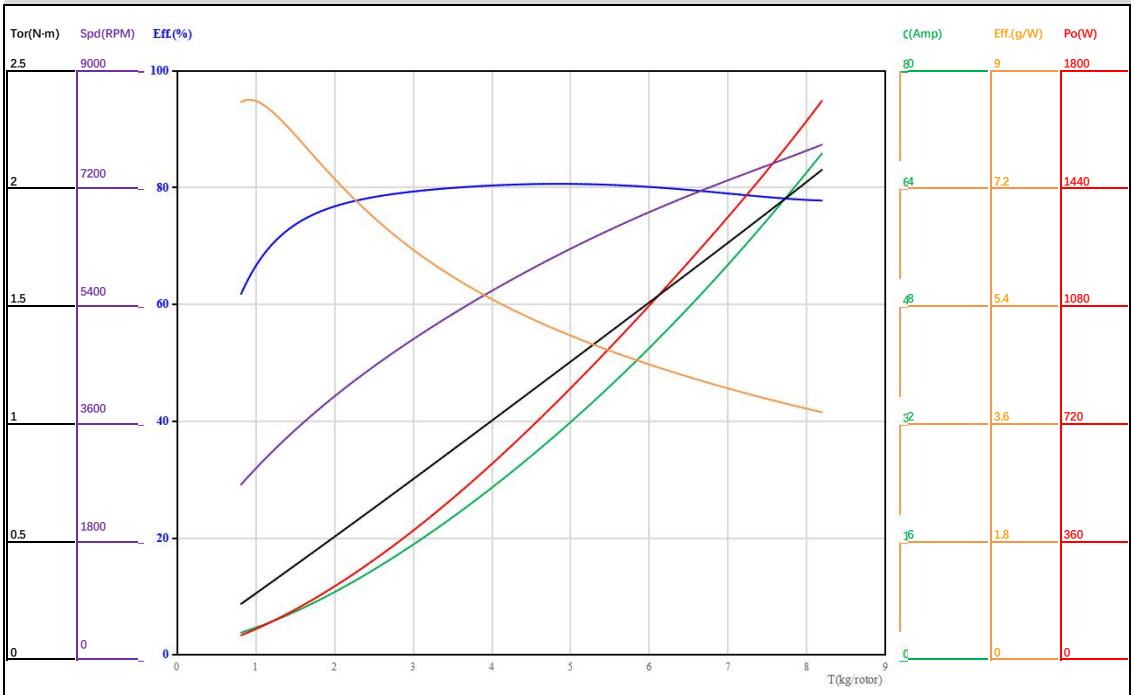
拉力数据表 Motor Propeller Pull Test Data

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
44.4V (12S LiPo)	HQ15x10x3 Propeller	33%	783	3.0	95.8	2890	8.2	0.20	60.2	71℃ 1min26s
		35%	876	3.4	109.0	3056	8.0	0.22	70.8	
		37%	986	3.9	125.0	3239	7.9	0.25	83.9	
		39%	1108	4.5	143.4	3429	7.7	0.28	99.4	
		42%	1311	5.5	175.7	3718	7.5	0.33	126.8	
		45%	1532	6.7	213.1	3999	7.2	0.38	158.9	
		48%	1766	8.0	255.5	4269	6.9	0.44	195.2	
		51%	2009	9.5	302.6	4527	6.6	0.50	235.3	
		54%	2259	11.1	354.4	4774	6.4	0.56	279.1	
		57%	2515	12.8	410.9	5014	6.1	0.62	326.6	
		60%	2775	14.8	472.2	5249	5.9	0.69	377.8	
		63%	3040	16.8	538.5	5482	5.6	0.75	433.2	
		66%	3311	19.1	610.2	5716	5.4	0.82	492.9	
		69%	3588	21.5	687.7	5951	5.2	0.89	557.4	
		72%	3872	24.1	771.5	6187	5.0	0.97	627.1	
		75%	4165	26.9	862.2	6423	4.8	1.04	702.4	
		78%	4467	30.0	960.4	6659	4.7	1.12	783.4	
		81%	4779	33.3	1066.4	6890	4.5	1.21	870.0	
		84%	5101	36.9	1180.6	7114	4.3	1.29	962.1	
		87%	5433	40.7	1302.8	7328	4.2	1.38	1059.2	
		90%	5775	44.8	1432.5	7529	4.0	1.47	1160.5	
		100%	6939	59.4	1900.2	8166	3.7	1.79	1527.4	

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
44.4V (12S LiPo)	HQ16x8x3 Propeller	33%	999	3.7	117.1	2857	8.5	0.26	77.7	63℃ 53s
		35%	1135	4.2	134.4	3027	8.4	0.29	92.7	
		37%	1280	4.8	154.4	3202	8.3	0.33	109.8	
		39%	1434	5.5	177.1	3379	8.1	0.36	129.1	
		42%	1678	6.7	216.0	3645	7.8	0.42	161.8	
		45%	1934	8.1	260.5	3907	7.4	0.49	199.0	
		48%	2200	9.7	310.5	4163	7.1	0.55	240.5	
		51%	2475	11.4	365.8	4412	6.8	0.62	286.2	
		54%	2758	13.3	426.3	4655	6.5	0.69	336.1	
		57%	3049	15.4	492.1	4893	6.2	0.76	390.3	
		60%	3350	17.6	563.6	5127	5.9	0.84	449.2	
		63%	3660	20.0	641.0	5358	5.7	0.91	513.0	
		66%	3980	22.6	725.0	5586	5.5	0.99	581.9	
		69%	4313	25.5	816.0	5812	5.3	1.08	656.4	
		72%	4657	28.6	914.7	6036	5.1	1.17	736.7	
		75%	5014	31.9	1021.6	6258	4.9	1.26	823.0	
		78%	5384	35.5	1137.4	6475	4.7	1.35	915.0	
		81%	5765	39.4	1262.1	6688	4.6	1.45	1012.6	
		84%	6154	43.6	1395.8	6894	4.4	1.55	1115.3	
		87%	6550	48.1	1537.8	7091	4.3	1.65	1222.2	
		90%	6948	52.7	1686.7	7280	4.1	1.75	1332.3	
		100%	8196	68.6	2195.2	7854	3.7	2.07	1705.7	

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。)