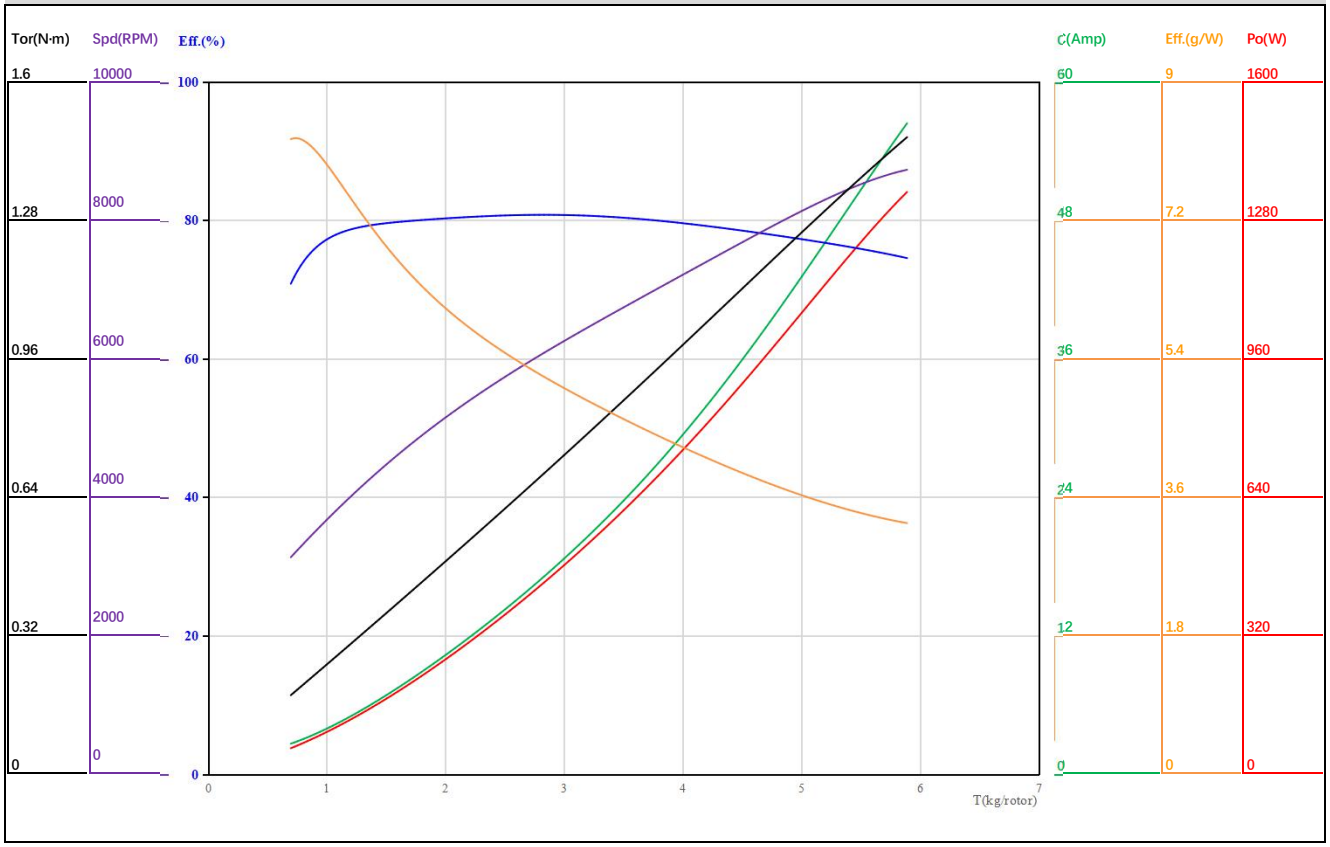
负载性能参数 Load performance parameters

曲线图 Graph



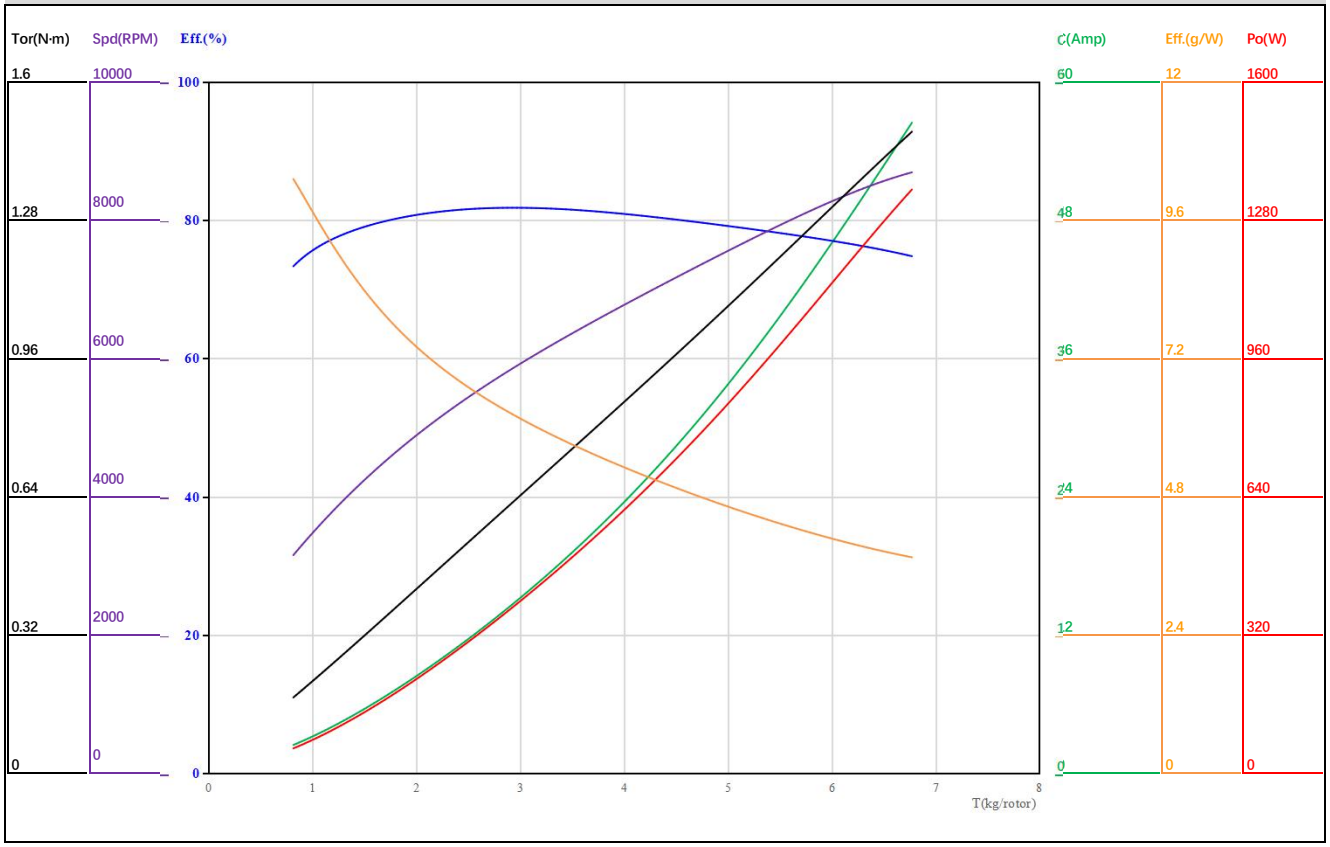
拉力数据表 Motor Propeller Pull Test Data

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)	HQ13x10x3 Propeller	33%	863	3.3	105.7	3434	8.2	0.22	79.5	80℃ 32s
		35%	970	3.8	121.5	3622	8.0	0.25	93.4	
		37%	1077	4.3	138.8	3804	7.8	0.27	108.1	
		39%	1186	4.9	157.7	3983	7.5	0.30	123.9	
		42%	1356	5.9	189.5	4251	7.2	0.34	150.1	
		45%	1536	7.1	226.0	4521	6.8	0.38	180.0	
		48%	1729	8.4	267.7	4794	6.5	0.43	214.0	
		51%	1936	9.8	315.0	5067	6.1	0.48	252.5	
		54%	2155	11.5	367.8	5340	5.9	0.53	295.8	
		57%	2386	13.3	426.3	5608	5.6	0.59	343.6	
		60%	2626	15.3	490.4	5871	5.4	0.64	396.0	
		63%	2873	17.5	560.2	6127	5.1	0.71	452.5	
		66%	3123	19.9	635.5	6377	4.9	0.77	512.8	
		69%	3375	22.4	716.2	6621	4.7	0.83	576.5	
		72%	3626	25.1	802.1	6859	4.5	0.90	643.2	
		75%	3873	27.9	892.5	7092	4.3	0.96	712.2	
		78%	4115	30.8	987.0	7320	4.2	1.02	783.1	
		81%	4352	33.9	1085.0	7542	4.0	1.08	855.3	
		84%	4583	37.1	1186.0	7757	3.9	1.14	928.7	
		87%	4812	40.3	1290.2	7965	3.7	1.20	1003.1	
		90%	5041	43.7	1398.2	8166	3.6	1.26	1078.8	
		100%	5890	56.4	1805.0	8729	3.3	1.47	1345.3	

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。)

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)	HQ15x7x3 Propeller	33%	983	3.1	100.3	3445	9.8	0.21	75.7	80℃ 27s
		35%	1097	3.6	116.0	3632	9.5	0.23	88.7	
		37%	1214	4.2	133.1	3817	9.1	0.26	103.0	
		39%	1335	4.7	151.9	4001	8.8	0.28	118.7	
		42%	1527	5.7	183.6	4278	8.3	0.32	145.3	
		45%	1733	6.9	219.8	4554	7.9	0.37	175.8	
		48%	1954	8.2	261.1	4830	7.5	0.42	210.5	
		51%	2189	9.6	307.5	5103	7.1	0.47	249.5	
		54%	2437	11.2	359.4	5372	6.8	0.52	293.0	
		57%	2699	13.0	416.9	5636	6.5	0.58	340.7	
		60%	2971	15.0	480.1	5894	6.2	0.64	392.6	
		63%	3252	17.1	548.9	6146	5.9	0.70	448.4	
		66%	3539	19.5	623.6	6393	5.7	0.76	507.9	
		69%	3831	22.0	704.0	6634	5.4	0.82	571.1	
		72%	4124	24.7	790.0	6871	5.2	0.89	637.5	
		75%	4418	27.5	881.5	7104	5.0	0.95	707.1	
		78%	4710	30.6	978.1	7331	4.8	1.02	779.4	
		81%	4999	33.7	1079.4	7553	4.6	1.08	854.2	
		84%	5284	37.0	1184.8	7767	4.5	1.14	930.9	
		87%	5565	40.4	1293.9	7972	4.3	1.21	1009.1	
		90%	5843	43.9	1406.4	8165	4.2	1.27	1088.2	
		100%	6773	56.4	1806.3	8690	3.7	1.48	1350.6	

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。)