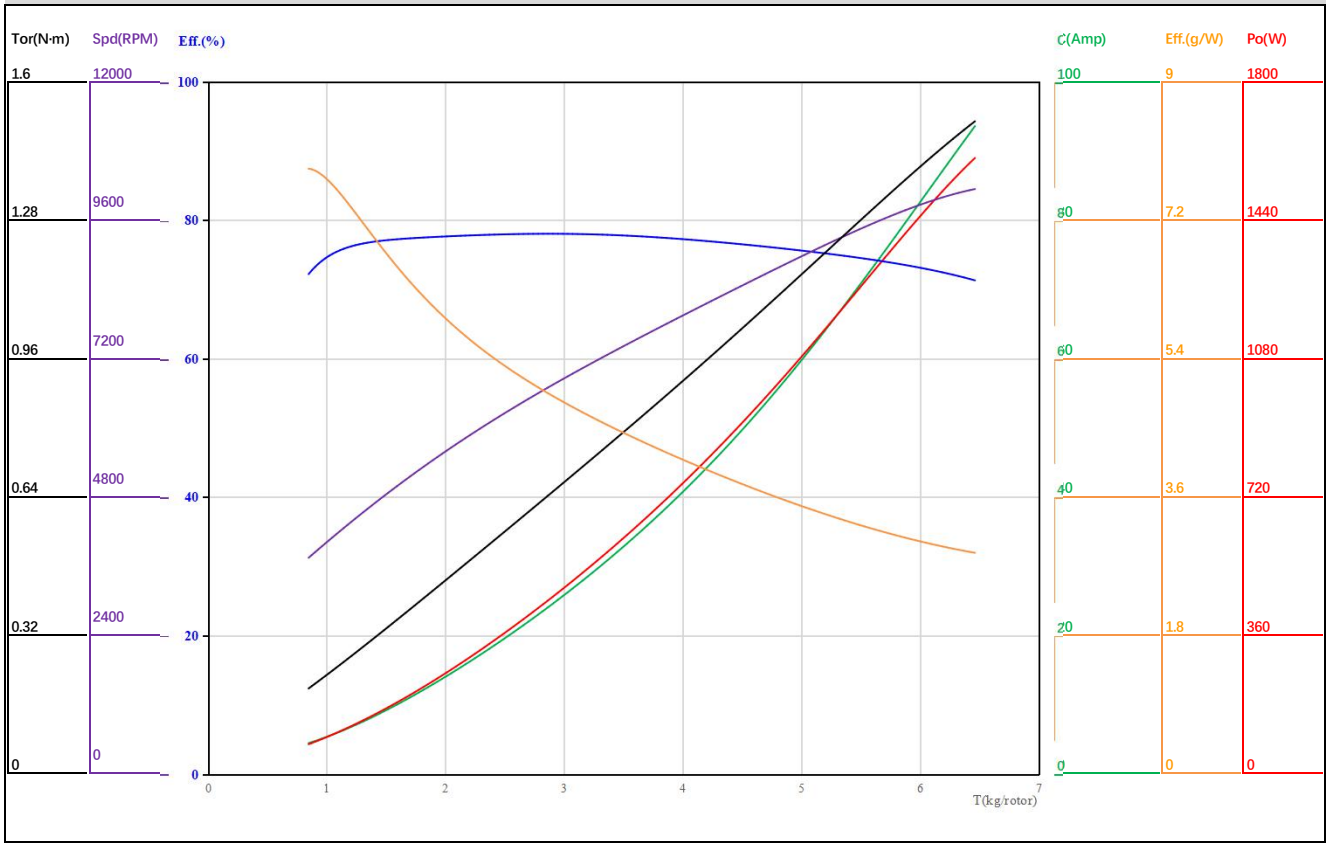
负载性能参数 Load performance parameters

曲线图 Graph



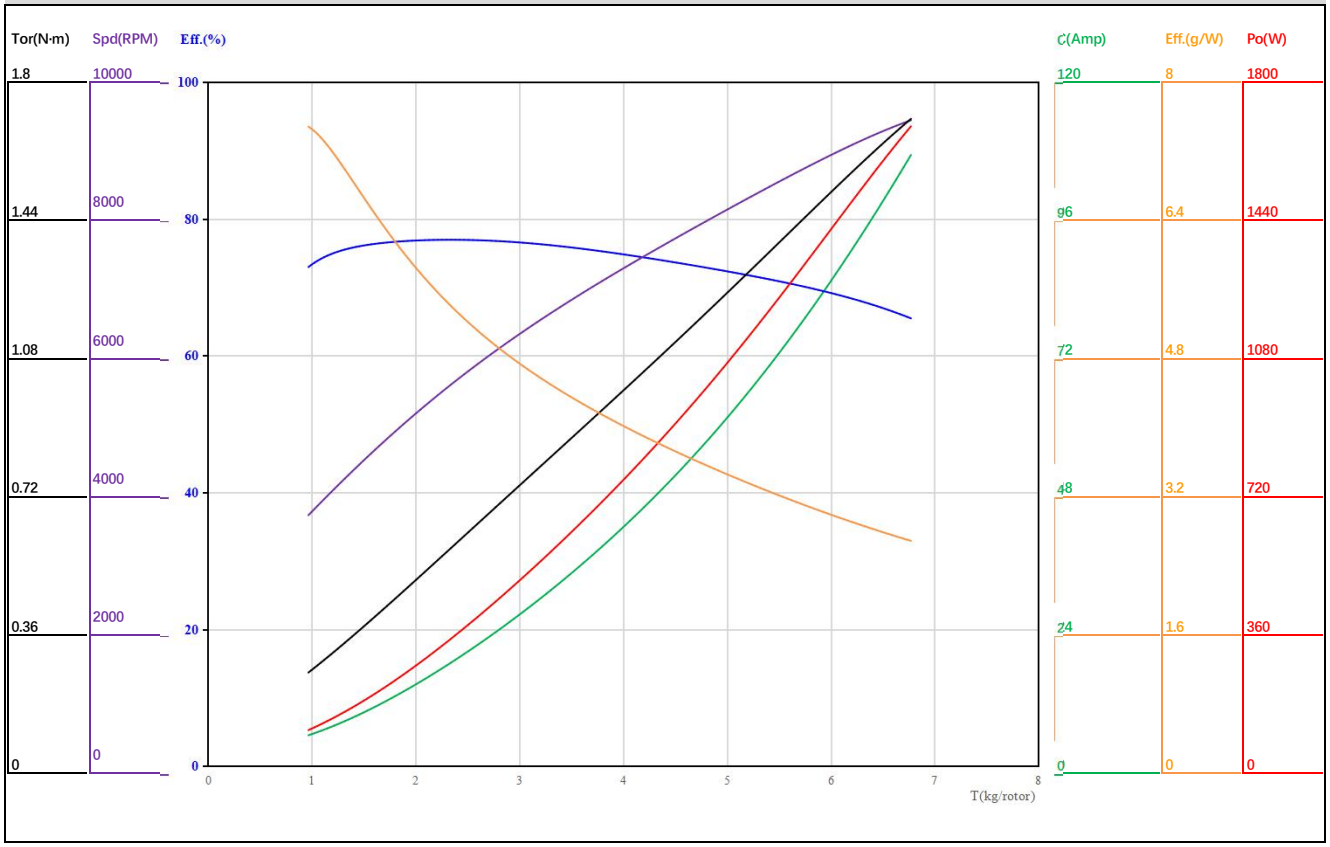
拉力数据表 Motor Propeller Pull Test Data

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
24V (6S LiPo)	HQ13x9x3 Propeller	33%	1018	5.5	132.1	4051	7.7	0.23	98.9	80℃ 31s
		35%	1143	6.4	152.5	4264	7.5	0.26	115.7	
		37%	1274	7.3	176.2	4484	7.2	0.29	134.9	
		39%	1412	8.5	203.2	4707	6.9	0.32	156.3	
		42%	1628	10.4	249.3	5046	6.5	0.36	192.7	
		45%	1855	12.6	301.9	5384	6.1	0.42	234.0	
		48%	2089	15.0	360.2	5716	5.8	0.47	279.9	
		51%	2330	17.7	423.9	6038	5.5	0.52	330.1	
		54%	2575	20.5	492.4	6350	5.2	0.58	384.0	
		57%	2823	23.6	565.8	6651	5.0	0.63	441.6	
		60%	3072	26.8	643.9	6941	4.8	0.69	502.4	
		63%	3323	30.3	727.0	7222	4.6	0.75	566.4	
		66%	3573	34.0	815.1	7495	4.4	0.81	633.6	
		69%	3823	37.9	908.8	7762	4.2	0.87	704.1	
		72%	4073	42.0	1008.2	8024	4.0	0.93	778.0	
		75%	4321	46.4	1113.7	8283	3.9	0.99	855.4	
		78%	4570	51.1	1225.6	8539	3.7	1.05	936.3	
		81%	4818	56.0	1344.1	8792	3.6	1.11	1021.0	
		84%	5068	61.2	1469.5	9041	3.4	1.17	1109.2	
		87%	5319	66.7	1601.8	9284	3.3	1.23	1200.6	
		90%	5573	72.5	1741.0	9518	3.2	1.30	1294.5	
		100%	6462	93.6	2246.2	10140	2.9	1.51	1601.8	

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%	1151	6.6	158.5	3949	7.3	0.29	118.3	80℃ 15s
		35%	1284	7.6	182.4	4150	7.0	0.32	137.5	
		37%	1425	8.7	210.0	4358	6.8	0.35	159.4	
		39%	1573	10.0	241.2	4571	6.5	0.38	183.9	
		42%	1805	12.3	294.5	4891	6.1	0.44	225.7	
		45%	2047	14.8	355.2	5210	5.8	0.50	273.0	
		48%	2297	17.6	422.9	5522	5.4	0.56	325.3	
		51%	2554	20.7	497.0	5825	5.1	0.63	382.1	
		54%	2815	24.0	577.4	6116	4.9	0.69	442.9	
		57%	3080	27.6	663.7	6395	4.6	0.76	507.3	
		60%	3347	31.5	756.0	6663	4.4	0.82	575.0	
		63%	3616	35.6	854.5	6921	4.2	0.89	645.9	
		66%	3886	40.0	959.3	7170	4.1	0.96	719.9	
		69%	4156	44.6	1070.7	7411	3.9	1.03	797.1	
		72%	4427	49.5	1189.2	7647	3.7	1.10	877.6	
		75%	4697	54.8	1314.8	7877	3.6	1.17	961.3	
		78%	4966	60.3	1447.7	8103	3.4	1.24	1048.2	
		81%	5232	66.1	1587.8	8323	3.3	1.31	1137.8	
		84%	5495	72.3	1734.7	8537	3.2	1.38	1229.5	
		87%	5754	78.6	1887.5	8742	3.0	1.44	1321.9	
		90%	6006	85.2	2044.8	8934	2.9	1.51	1413.5	
		100%	6773	107.2	2572.2	9440	2.6	1.70	1683.1	

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。)