



LOAD PERFORMANCE PARAMETERS

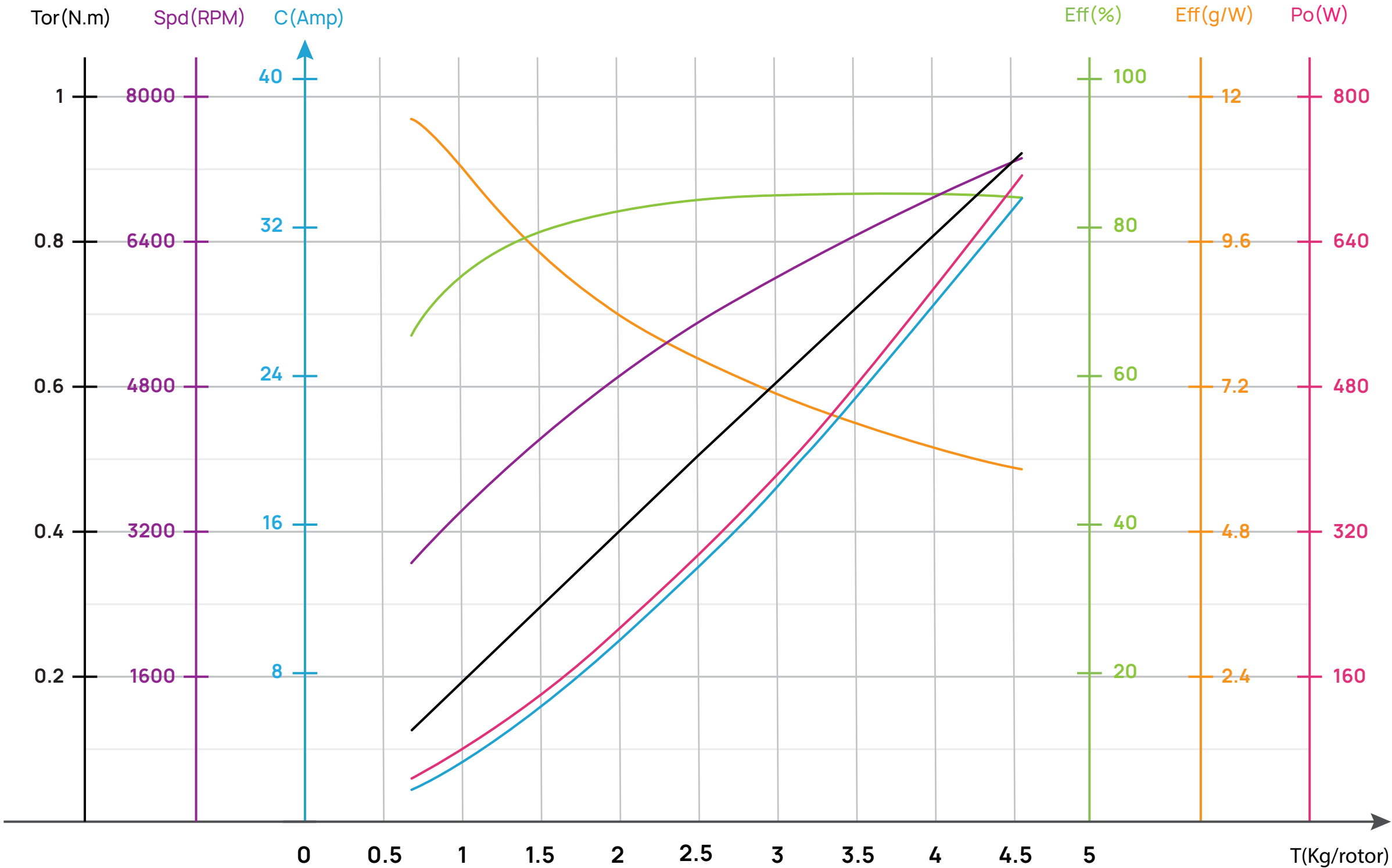
负载性能参数

以下数据为室温 25°C、海平面高度的环境下，变化油门输入调节拉力测得。电机温度为65%油门下电机运行10分钟温度。

Under the environment of sea level altitude, the data below is measured in room temperature of 25°C.

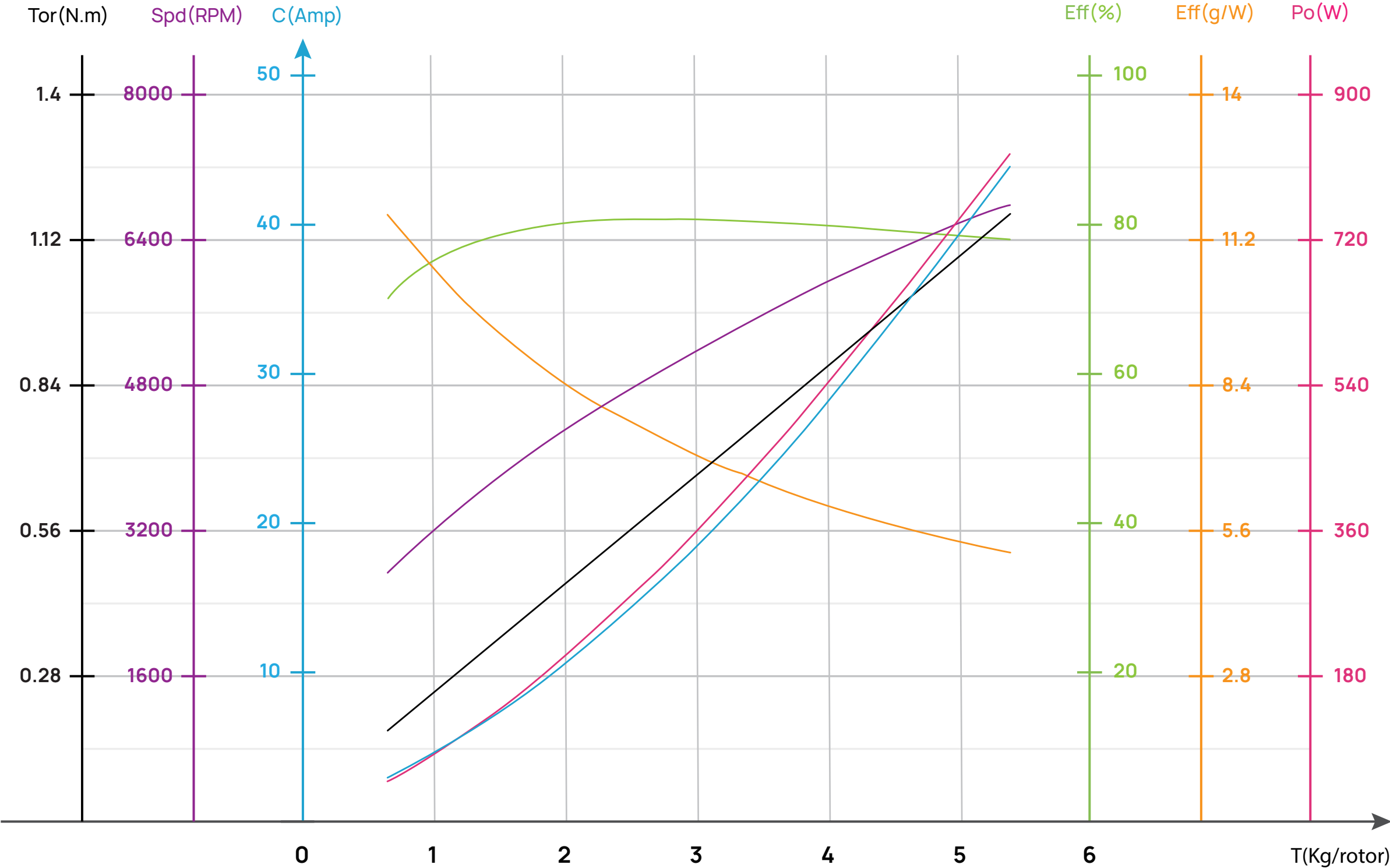
The throttle input is able to adjust the tension, and the motor temperature is the temperature of the rated throttle running for 10 minutes.

M5208 Light-380KV & MSC 17×5.8



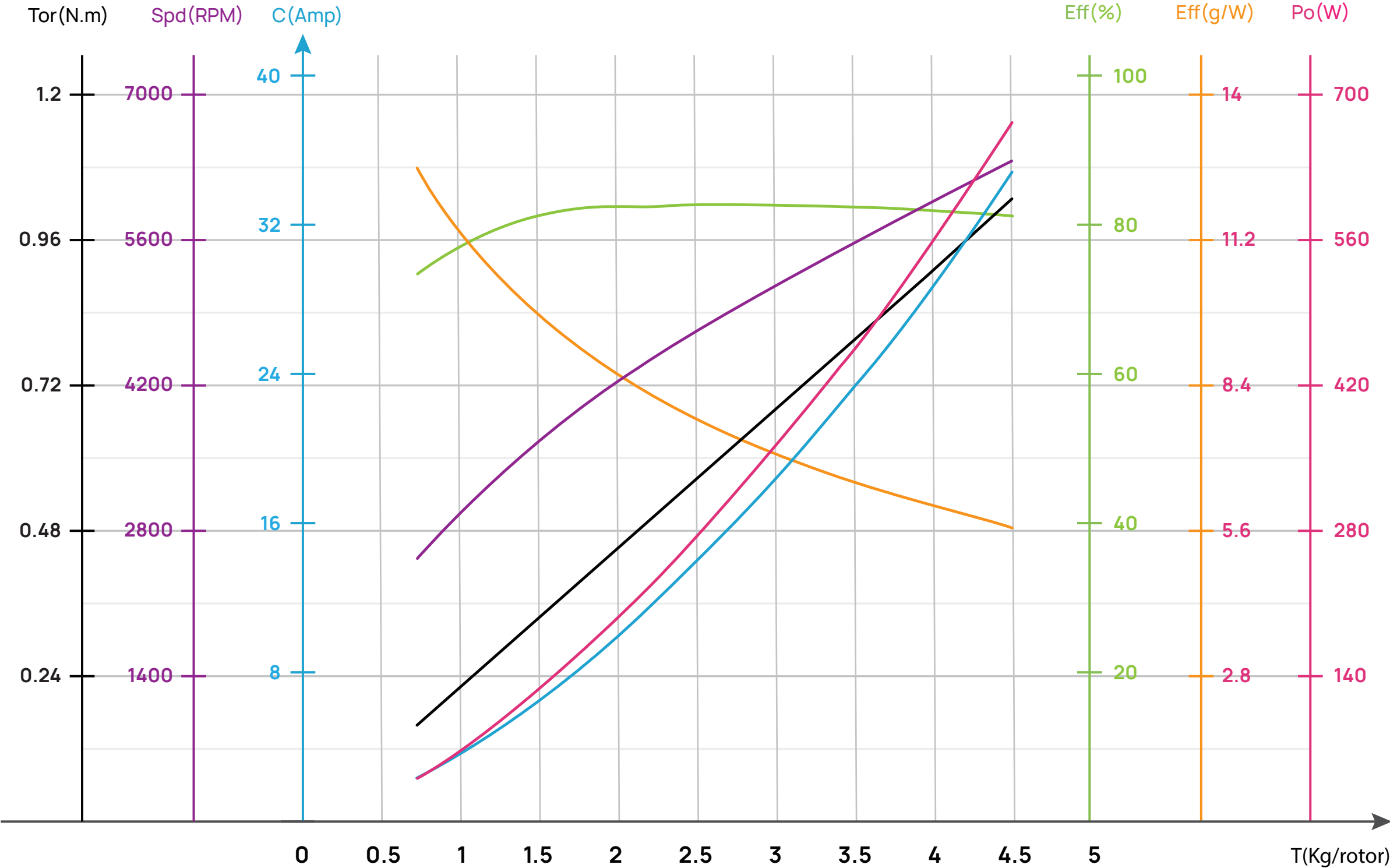
Voltage 工作电压(V)	Propeller 螺旋桨	Throttle 油门(%)	Thrust 拉力(g)	Current 电流(A)	Power Input 输入功率(W)	Speed 转速(RPM)	Efficiency 力效(g/W)	Torque 扭矩(N·m)	Power Output 输出功率(W)	Temperature 电机机壳温度(℃)
23V (6S LiPo)	MSC 17×5.8	33%	673	2.6	59.8	2862	11.3	0.13	50.8	56.0℃
		35%	757	3.0	68.3	3017	11.1	0.15	58.0	
		37%	847	3.4	78.1	3177	10.9	0.17	66.4	
		39%	942	3.9	89.0	3340	10.6	0.19	75.7	
		42%	1090	4.7	107.5	3581	10.1	0.22	91.4	
		45%	1241	5.5	127.8	3816	9.7	0.25	108.7	
		48%	1395	6.5	149.8	4041	9.3	0.28	127.4	
		51%	1551	7.5	173.3	4258	9.0	0.31	147.3	
		54%	1710	8.6	198.3	4467	8.6	0.34	168.5	
		57%	1873	9.8	224.9	4672	8.3	0.37	191.2	
		60%	2041	11.0	253.5	4874	8.0	0.41	215.5	
		63%	2216	12.3	284.5	5075	7.8	0.44	241.9	
		66%	2401	13.8	318.4	5278	7.5	0.48	270.6	
		69%	2597	15.4	355.5	5482	7.3	0.52	302.2	
		72%	2804	17.2	396.2	5687	7.1	0.56	336.8	
		75%	3021	19.1	440.8	5893	6.9	0.60	374.7	
		78%	3247	21.2	489.2	6098	6.6	0.65	415.8	
		81%	3479	23.5	540.8	6297	6.4	0.69	459.7	
		84%	3712	25.8	594.5	6489	6.2	0.74	505.3	
		87%	3937	28.2	648.5	6668	6.1	0.78	551.2	
		90%	4146	30.4	699.8	6830	5.9	0.82	594.8	
		100%	4536	34.7	798.1	7129	5.7	0.90	678.4	

M5208 Light-380KV & MSC 18×6.1



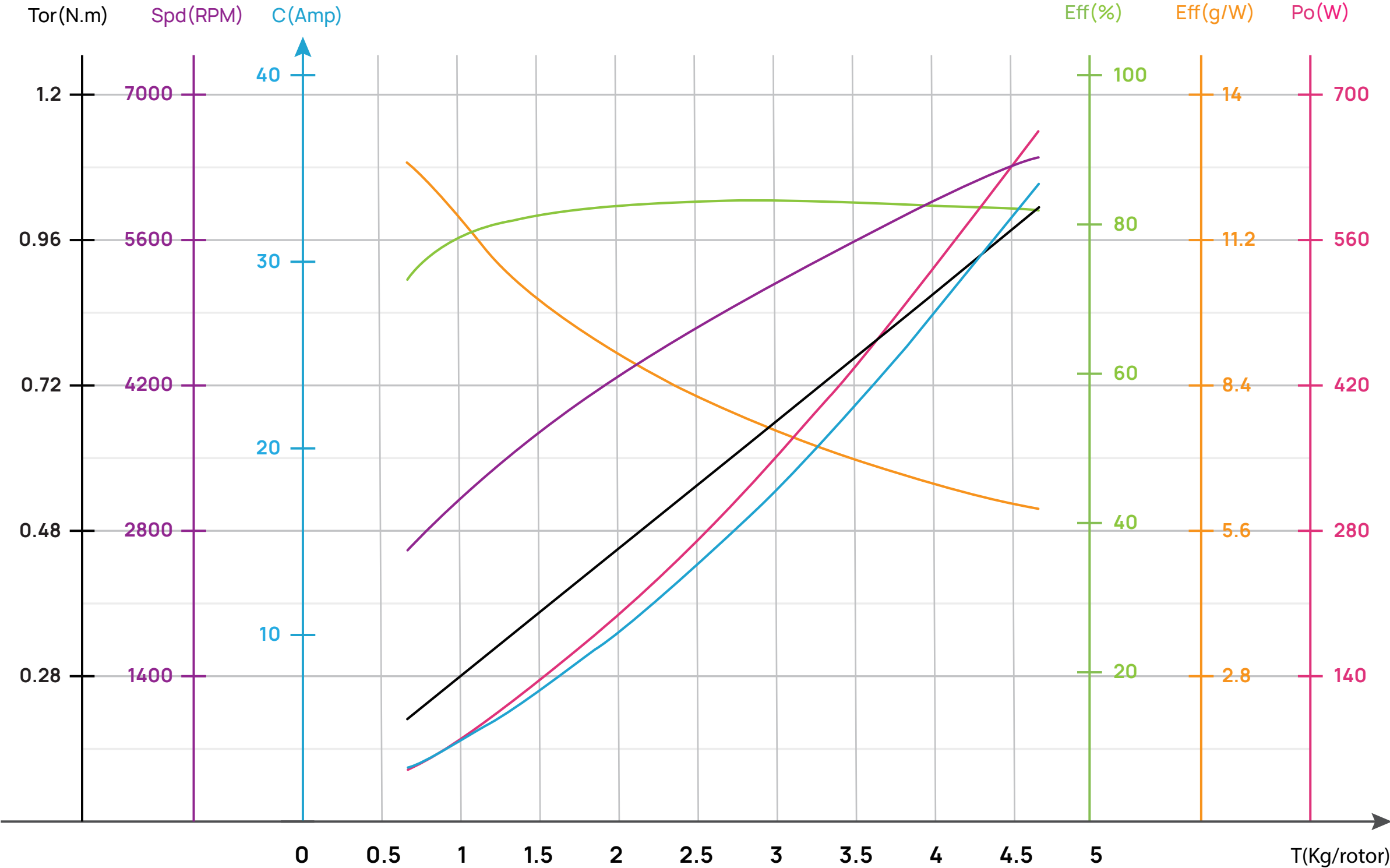
Voltage 工作电压(V)	Propeller 螺旋桨	Throttle 油门(%)	Thrust 拉力(g)	Current 电流(A)	Power Input 输入功率(W)	Speed 转速(RPM)	Efficiency 力效(g/W)	Torque 扭矩(N·m)	Power Output 输出功率(W)	Temperature 电机机壳温度(℃)
23V (6S LiPo)	MSC 18×6.1	33%	867	3.3	75.8	2801	11.4	0.19	64.4	73.0℃
		35%	978	3.8	88.1	2962	11.1	0.21	74.9	
		37%	1092	4.4	101.7	3120	10.7	0.24	86.4	
		39%	1209	5.0	116.3	3275	10.4	0.26	98.8	
		42%	1387	6.1	140.1	3499	9.9	0.30	119.1	
		45%	1569	7.2	165.9	3714	9.5	0.34	141.1	
		48%	1754	8.4	193.9	3920	9.0	0.38	164.8	
		51%	1941	9.7	223.9	4119	8.7	0.42	190.3	
		54%	2133	11.1	256.1	4313	8.3	0.46	217.7	
		57%	2330	12.6	291.0	4503	8.0	0.51	247.3	
		60%	2533	14.3	328.7	4692	7.7	0.55	279.4	
		63%	2743	16.0	369.8	4881	7.4	0.59	314.4	
		66%	2962	18.0	414.7	5071	7.1	0.64	352.5	
		69%	3189	20.1	463.8	5261	6.9	0.69	394.2	
		72%	3425	22.4	517.3	5453	6.6	0.74	439.7	
		75%	3668	24.9	575.3	5644	6.4	0.80	489.0	
		78%	3917	27.6	637.4	5832	6.1	0.85	541.8	
		81%	4167	30.5	702.8	6013	5.9	0.91	597.3	
		84%	4414	33.4	769.9	6185	5.7	0.96	654.4	
		87%	4653	36.3	836.5	6342	5.6	1.01	711.1	
		90%	4874	39.0	899.7	6480	5.4	1.06	764.7	
		100%	5333	44.8	1032.3	6739	5.2	1.16	877.5	

M5208 Light-340KV & MSC 18×6.1



Voltage 工作电压 (V)	Propeller 螺旋桨	Throttle 油门 (%)	Thrust 拉力 (g)	Current 电流 (A)	Power Input 输入功率 (W)	Speed 转速 (RPM)	Efficiency 力效 (g/W)	Torque 扭矩 (N·m)	Power Output 输出功率 (W)	Temperature 电机机壳温度 (°C)
23V (6S LiPo)	MSC 18×6.1	33%	705	2.5	57.5	2523	12.3	0.16	48.9	58.0°C
		35%	794	2.9	67.1	2673	11.8	0.18	57.1	
		37%	889	3.4	77.8	2823	11.4	0.20	66.1	
		39%	987	3.9	89.4	2972	11.0	0.22	76.0	
		42%	1140	4.7	108.3	3188	10.5	0.26	92.0	
		45%	1296	5.6	128.9	3394	10.1	0.29	109.6	
		48%	1455	6.6	151.2	3590	9.6	0.33	128.5	
		51%	1615	7.6	175.1	3776	9.2	0.36	148.8	
		54%	1777	8.7	200.6	3955	8.9	0.40	170.5	
		57%	1943	9.9	228.1	4129	8.5	0.44	193.9	
		60%	2113	11.2	257.6	4300	8.2	0.48	219.0	
		63%	2289	12.6	289.6	4470	7.9	0.51	246.2	
		66%	2472	14.1	324.4	4640	7.6	0.56	275.7	
		69%	2663	15.7	362.2	4812	7.4	0.60	307.9	
		72%	2864	17.5	403.2	4985	7.1	0.64	342.8	
		75%	3072	19.4	447.6	5158	6.9	0.69	380.4	
		78%	3286	21.5	495.0	5331	6.6	0.74	420.8	
		81%	3504	23.7	545.2	5502	6.4	0.79	463.4	
		84%	3721	25.9	597.3	5667	6.2	0.83	507.7	
		87%	3931	28.2	650.1	5823	6.0	0.88	552.6	
		90%	4125	30.4	701.4	5968	5.9	0.93	596.2	
		100%	4497	35.1	808.6	6250	5.6	1.01	687.3	

M5208 Light-340KV & MSC 19×5.7



Voltage 工作电压(V)	Propeller 螺旋桨	Throttle 油门(%)	Thrust 拉力(g)	Current 电流(A)	Power Input 输入功率(W)	Speed 转速(RPM)	Efficiency 力效(g/W)	Torque 扭矩(N·m)	Power Output 输出功率(W)	Temperature 电机机壳温度(℃)
23V (6S LiPo)	MSC 19×5.7	33%	699	2.5	56.6	2538	12.4	0.16	48.1	57.0℃
		35%	797	2.9	66.0	2690	12.1	0.18	56.1	
		37%	897	3.3	76.5	2841	11.7	0.20	65.0	
		39%	998	3.8	87.9	2988	11.4	0.22	74.7	
		42%	1153	4.6	106.5	3203	10.8	0.25	90.5	
		45%	1309	5.5	126.7	3408	10.3	0.29	107.7	
		48%	1466	6.4	148.4	3604	9.9	0.32	126.1	
		51%	1627	7.4	171.5	3792	9.5	0.36	145.8	
		54%	1790	8.5	196.2	3973	9.1	0.39	166.8	
		57%	1958	9.7	222.7	4148	8.8	0.43	189.3	
		60%	2131	10.9	251.2	4321	8.5	0.46	213.5	
		63%	2311	12.2	282.1	4491	8.2	0.50	239.8	
		66%	2499	13.7	315.8	4662	7.9	0.54	268.4	
		69%	2695	15.3	352.6	4834	7.6	0.58	299.7	
		72%	2900	17.0	392.8	5008	7.4	0.63	333.9	
		75%	3112	18.9	436.6	5185	7.1	0.67	371.1	
		78%	3329	21.0	483.8	5363	6.9	0.72	411.2	
		81%	3550	23.1	533.8	5541	6.6	0.77	453.7	
		84%	3769	25.4	585.6	5714	6.4	0.81	497.8	
		87%	3981	27.6	637.5	5876	6.2	0.86	541.9	
		90%	4179	29.8	687.0	6018	6.1	0.90	584.0	
		100%	4598	34.4	792.8	6272	5.8	0.99	673.9	