



LOAD PERFORMANCE PARAMETERS

负载性能参数

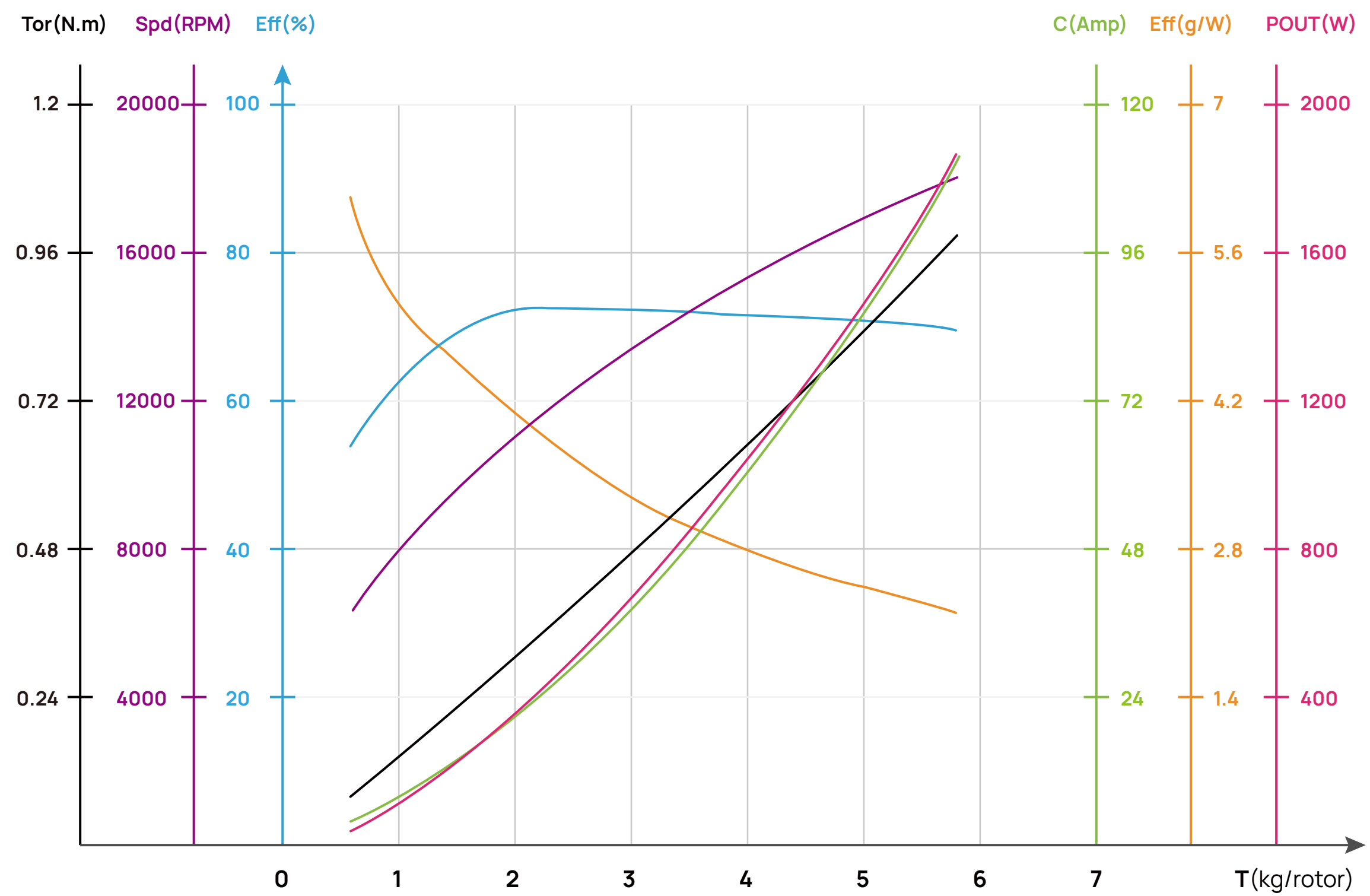
以下数据为好盈实验室于室温25°C、海平面高度，变化油门输入调节测得。电机外壳温度为1.2倍额定拉力下油门运行10分钟数据，仅供参考。

The below data was measured by HOBBYWING Laboratory at room temperature 25°C, at sea level, with varying throttle input.

The motor housing temperature is measured after running for 10 minutes at 1.2 times rated thrust , for reference only.

XRotor 3120 PRO 1000KV负载性能参数

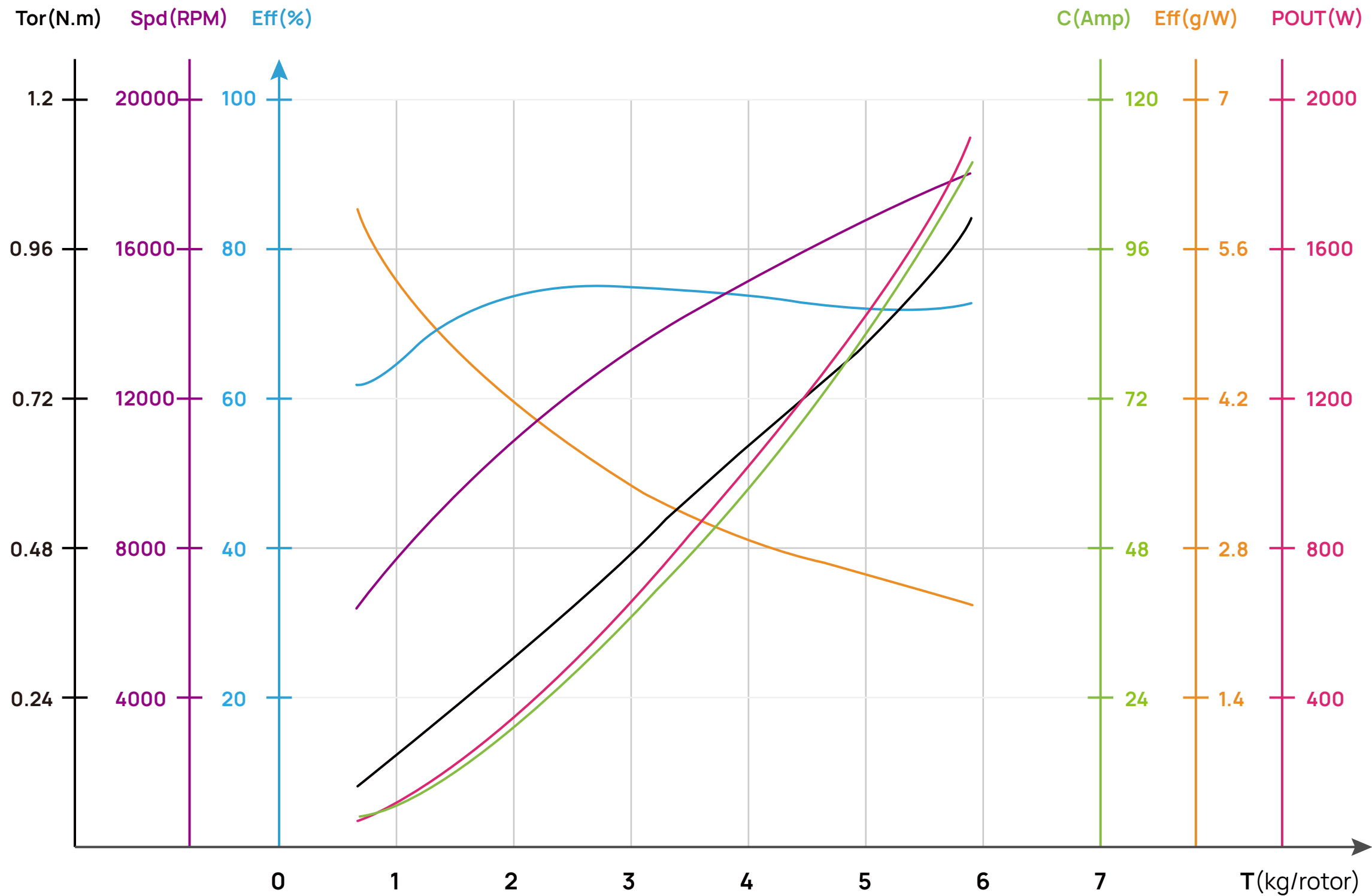
XRotor 3120 PRO 1000KV Load Performance Parameters



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) 效率	Torque(N·m) 扭矩	Power Output(W) 输出功率	Recommended full load continuous running time 推荐满载油门连续运行时间
24V (6S LiPo)	HQ9X4.5X3 Propeller	33%	730	5.4	129.1	6878	5.7	0.10	72.8	39s
		35%	828	6.4	152.8	7267	5.4	0.12	89.3	
		37%	935	7.4	178.6	7675	5.2	0.13	108.3	
		39%	1049	8.6	206.7	8094	5.1	0.15	129.8	
		42%	1231	10.5	253.0	8727	4.9	0.18	166.2	
		45%	1421	12.7	304.7	9354	4.7	0.21	207.5	
		48%	1619	15.1	362.2	9965	4.5	0.24	253.4	
		51%	1822	17.8	426.2	10553	4.3	0.27	303.7	
		54%	2029	20.7	497.1	11119	4.1	0.31	358.3	
		57%	2241	24.0	575.4	11663	3.9	0.34	417.2	
		60%	2457	27.6	661.6	12186	3.7	0.38	480.8	
		63%	2679	31.5	756.0	12690	3.5	0.41	549.2	
		66%	2907	35.8	859.1	13180	3.4	0.45	622.9	
		69%	3141	40.5	971.3	13657	3.2	0.49	702.3	
		72%	3383	45.6	1092.8	14123	3.1	0.53	787.6	
		75%	3633	51.0	1223.9	14580	3.0	0.58	879.3	
		78%	3891	56.9	1364.4	15029	2.9	0.62	977.5	
		81%	4156	63.1	1514.4	15471	2.7	0.67	1082.2	
		84%	4429	69.8	1673.5	15905	2.6	0.72	1193.3	
		87%	4706	76.8	1841.8	16332	2.6	0.77	1310.3	
		90%	4985	84.2	2019.2	16749	2.5	0.82	1432.5	
		100%	5872	111.3	2670.5	18037	2.2	0.99	1861.2	

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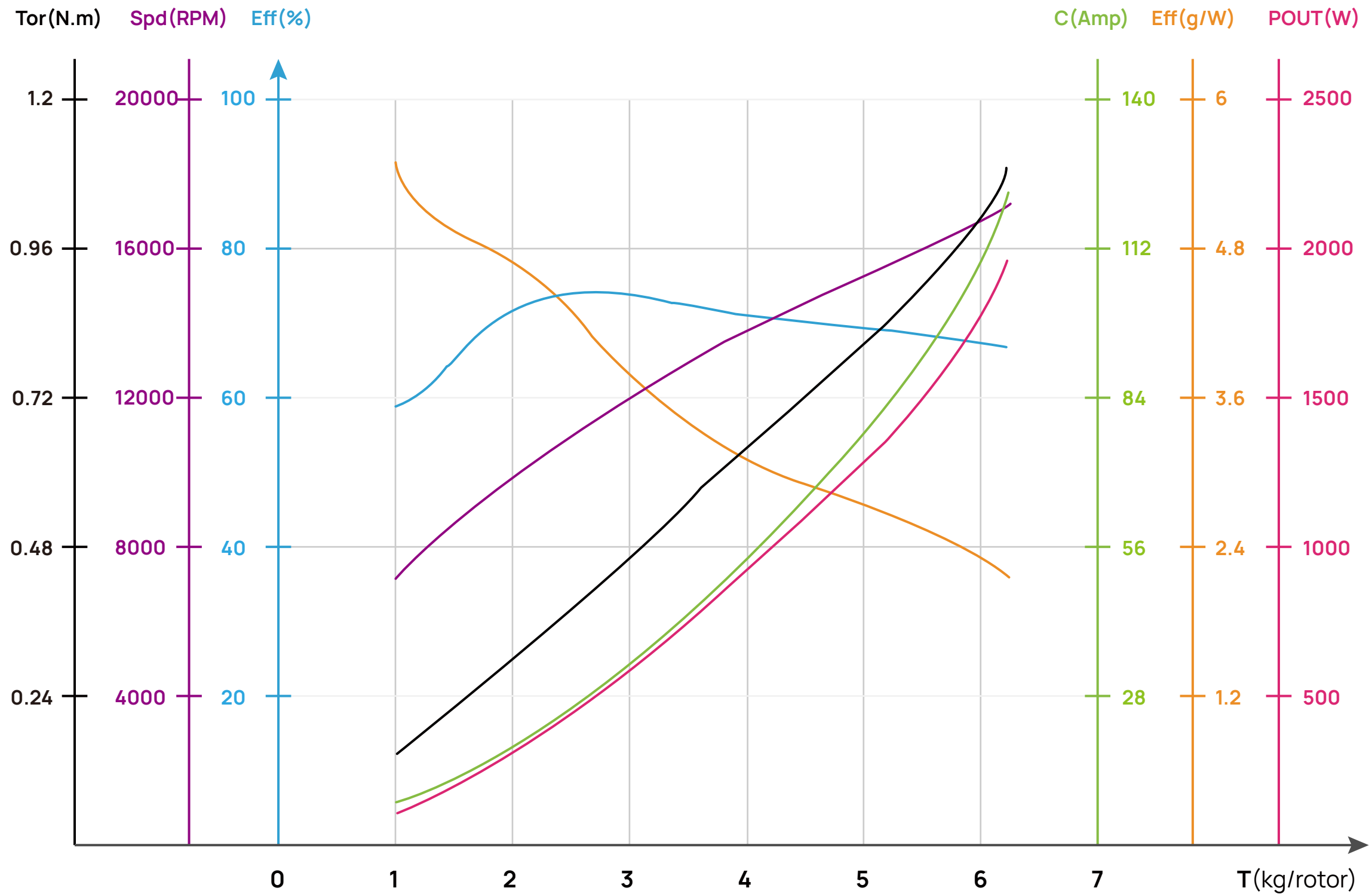
XRotor 3120 PRO 1000KV Load Performance Parameters



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) 效率	Torque(N·m) 扭矩	Power Output(W) 输出功率	Recommended full load continuous running time 推荐满载油门连续运行时间
24V 6S LiPo)	HQ9X5X3 Propeller	33%	707	5.2	125.1	6833	5.7	0.11	77.8	37s
		35%	800	6.1	146.3	7214	5.5	0.12	92.3	
		37%	905	7.1	170.7	7624	5.3	0.14	109.9	
		39%	1020	8.3	198.2	8050	5.1	0.15	130.5	
		42%	1206	10.2	244.7	8695	4.9	0.18	166.7	
		45%	1402	12.4	297.7	9328	4.7	0.21	208.7	
		48%	1605	14.9	356.9	9938	4.5	0.25	256.1	
		51%	1812	17.6	422.3	10521	4.3	0.28	308.4	
		54%	2022	20.6	494.1	11077	4.1	0.31	365.1	
		57%	2234	23.8	572.1	11609	3.9	0.35	426.1	
		60%	2449	27.4	656.7	12123	3.7	0.39	491.3	
		63%	2667	31.2	748.3	12621	3.6	0.42	560.7	
		66%	2891	35.3	847.3	13110	3.4	0.46	634.6	
		69%	3121	39.8	954.4	13591	3.3	0.50	713.3	
		72%	3359	44.6	1070.2	14067	3.1	0.54	797.1	
		75%	3607	49.8	1195.4	14539	3.0	0.58	886.2	
		78%	3865	55.5	1330.4	15005	2.9	0.62	980.8	
		81%	4133	61.5	1475.6	15463	2.8	0.67	1080.9	
		84%	4410	68.0	1631.1	15910	2.7	0.71	1186.9	
		87%	4694	74.9	1797.0	16341	2.6	0.76	1299.4	
		90%	4982	82.3	1973.2	16755	2.5	0.81	1419.4	
		100%	5892	109.3	2621.5	18022	2.2	1.00	1892.0	

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24V 6S LiPo)	GF1050 Propeller	33%	1012	7.7	184.8	7141	5.5	0.15	108.7	21s
		35%	1074	8.4	200.6	7342	5.4	0.15	118.7	
		37%	1139	9.0	216.4	7547	5.3	0.16	129.4	
		39%	1276	10.3	248.3	7964	5.1	0.18	153.2	
		42%	1496	12.4	297.9	8590	5.0	0.22	194.5	
		45%	1727	14.7	352.1	9202	4.9	0.25	242.2	
		48%	1965	17.3	414.0	9791	4.7	0.29	296.1	
		51%	2208	20.2	485.7	10353	4.5	0.33	355.8	
		54%	2452	23.7	568.4	1088	4.3	0.37	420.9	
		57%	2699	27.6	662.4	11402	4.1	0.41	491.2	
		60%	2948	32.0	767.1	11895	3.8	0.45	566.1	
		63%	3199	36.8	881.9	12370	3.6	0.50	645.5	
		66%	3455	41.9	1005.6	12830	3.4	0.54	729.0	
		69%	3715	47.4	1136.9	13277	3.3	0.59	816.2	
		72%	3981	53.1	1274.8	13711	3.1	0.63	906.8	
		75%	4253	59.1	1418.2	14134	3.0	0.68	1000.6	
		78%	4529	65.3	1566.9	14544	2.9	0.72	1097.6	
		81%	4809	71.8	1721.7	14943	2.8	0.77	1198.2	
		84%	5089	78.6	1885.2	15332	2.7	0.81	1303.9	
		87%	5364	85.9	2061.4	15712	2.6	0.86	1416.4	
		90%	5628	94.0	2253.9	16085	2.5	0.91	1537.4	
		100%	6290	122.2	2930.6	17155	2.1	1.09	1952.1	