



LOAD PERFORMANCE PARAMETERS

负载性能参数

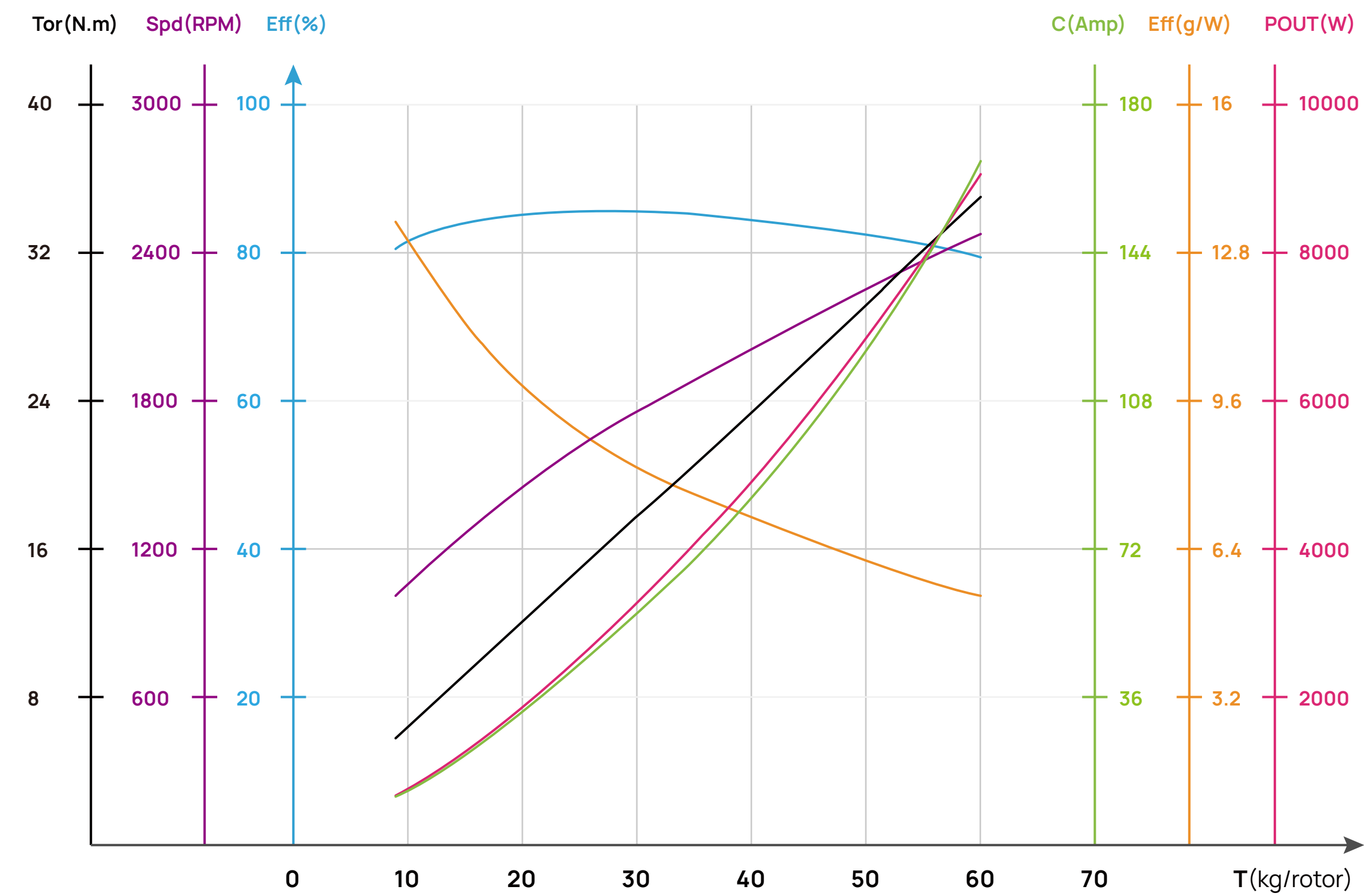
以下数据为好盈实验室于室温25℃、海平面高度，变化油门输入调节测得。电机外壳温度为1.2倍额定拉力下油门运行10分钟数据，仅供参考。

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.

X13 G2-69V+MFP 56x20负载性能参数

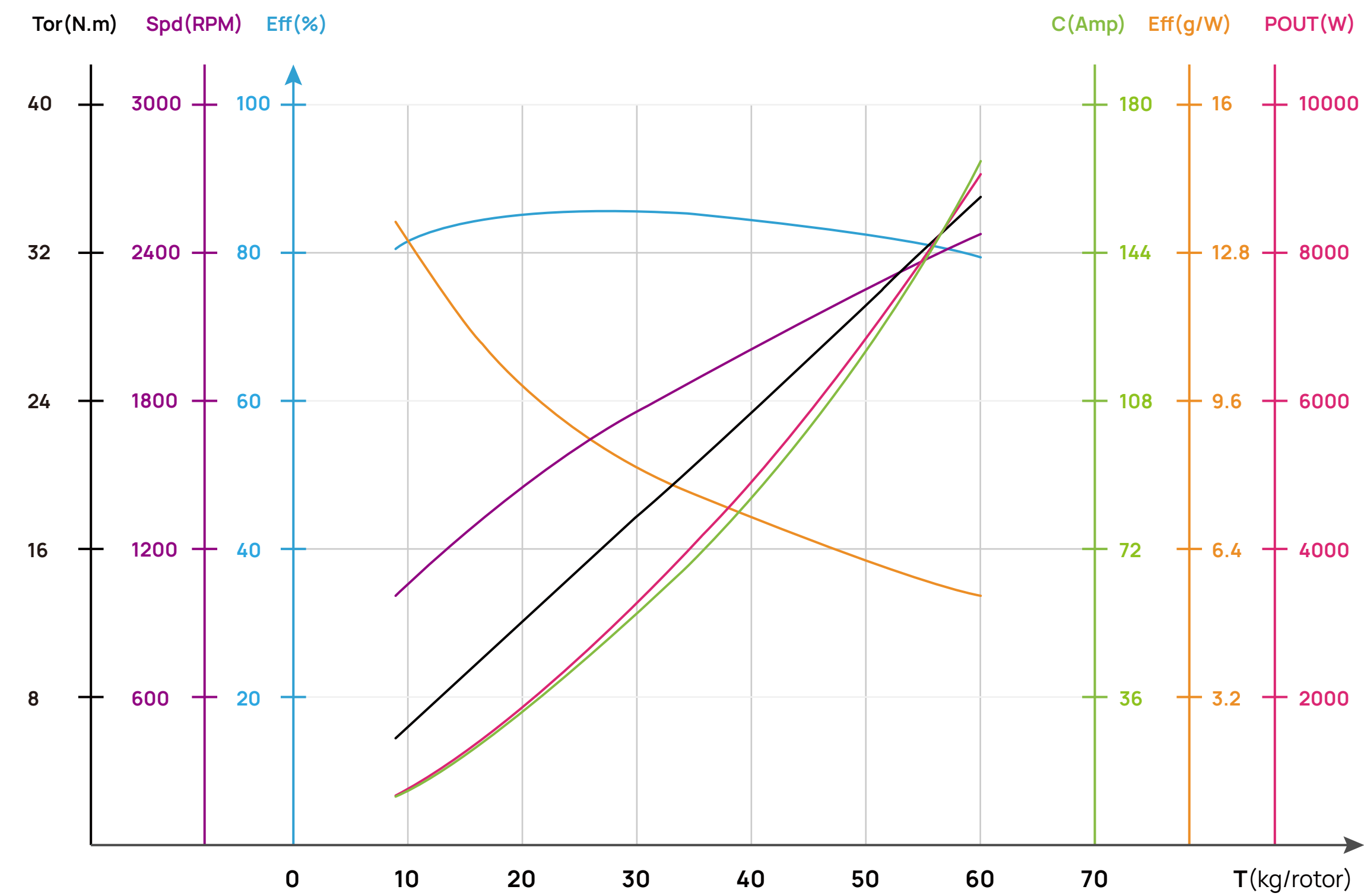
X13 G2-69V+MFP 56x20 Load Performance Parameters



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	Temperature(°C) 温度
69V	MFP 56x20	33%	9552	10.3	709.9	994	13.5	5.48	570.2	63°C
		35%	10360	11.4	788.1	1032	13.1	5.92	639.8	
		37%	11559	13.2	912.3	1086	12.7	6.59	749.2	
		39%	12865	15.3	1058.0	1143	12.2	7.33	877.1	
		42%	14968	19.0	1313.0	1231	11.4	8.54	1100.7	
		45%	17186	23.3	1606.2	1317	10.7	9.83	1355.9	
		48%	19476	28.0	1932.1	1402	10.1	11.17	1640.4	
		51%	21819	33.2	2287.4	1483	9.5	12.55	1948.4	
		54%	24212	38.7	2671.2	1562	9.1	13.94	2280.6	
		57%	26664	44.7	3085.1	1638	8.6	15.37	2635.5	
		60%	29192	51.2	3533.2	1714	8.3	16.82	3019.3	
		63%	31812	58.3	4021.2	1788	7.9	18.33	3431.3	
		66%	34542	66.0	4556.2	1862	7.6	19.89	3878.3	
		69%	37389	74.6	5145.6	1936	7.3	21.53	4364.2	
		72%	40351	84.0	5795.8	2010	7.0	23.24	4891.7	
		75%	43409	94.4	6511.1	2084	6.7	25.03	5461.9	
		78%	46519	105.7	7289.9	2157	6.4	26.87	6069.3	
		81%	49615	117.7	8121.9	2229	6.1	28.73	6704.8	
		84%	52597	130.2	8981.9	2297	5.9	30.52	7341.6	
		87%	55332	142.4	9824.6	2362	5.6	32.17	7955.5	
		90%	57643	153.3	10579.6	2417	5.4	33.53	8486.9	
		100%	60077	165.5	11418.8	2478	5.3	34.93	9064.4	

X13 G2-69V+MFC 57x20负载性能参数

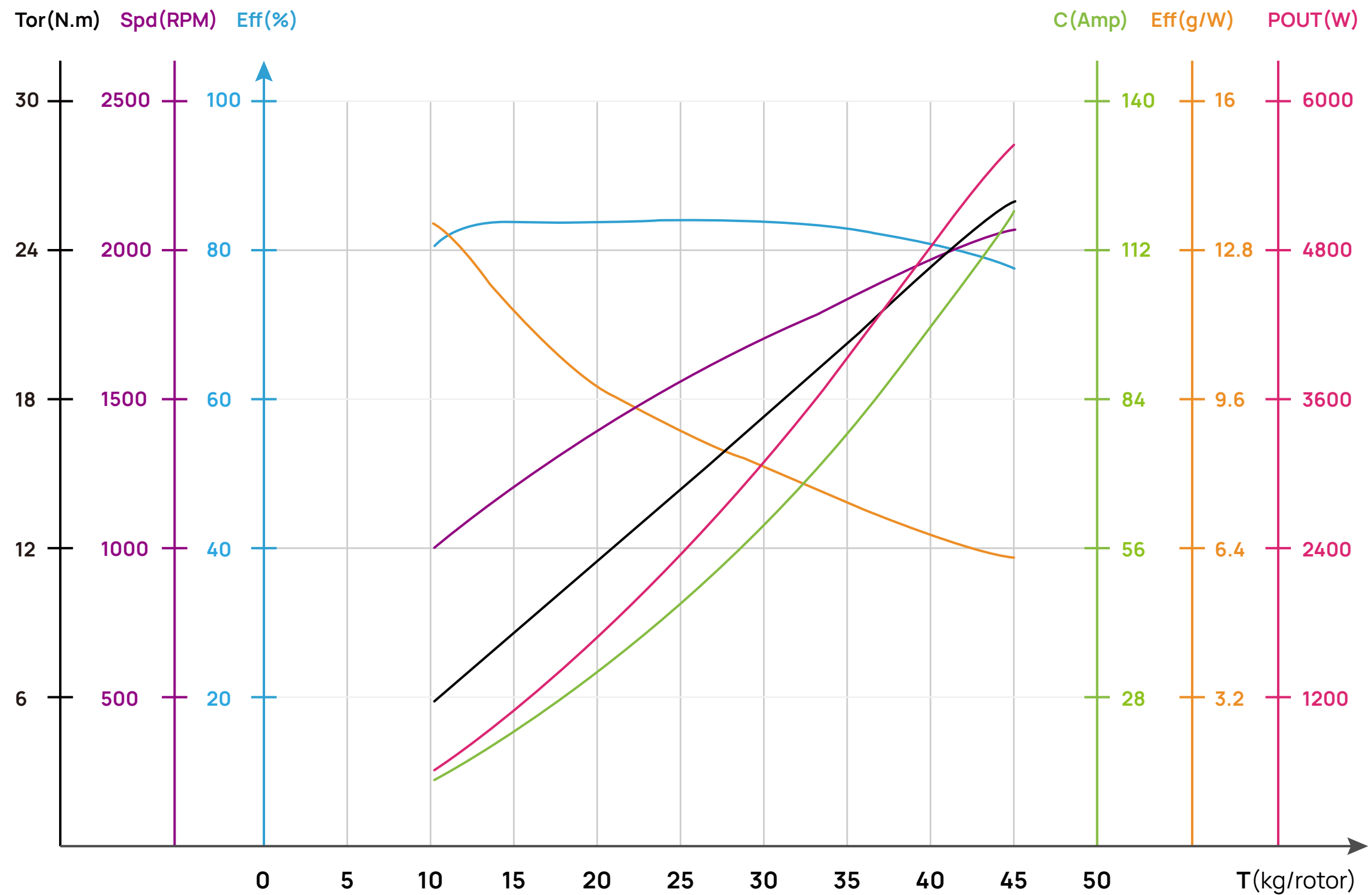
X13 G2-69V+MFC 57x20 Load Performance Parameters



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	Temperature(°C) 温度
69V	MFC 57x20	33%	9215	9.8	677.1	995	13.6	5.20	542.1	/
		35%	9915	10.9	750.6	1031	13.2	5.60	604.7	
		37%	11002	12.6	869.0	1084	12.7	6.22	706.3	
		39%	12223	14.6	1007.9	1142	12.1	6.92	827.8	
		42%	14224	18.1	1249.6	1231	11.4	8.07	1040.6	
		45%	16348	22.1	1525.2	1319	10.7	9.30	1284.1	
		48%	18536	26.5	1829.4	1404	10.1	10.56	1552.5	
		51%	20759	31.3	2159.4	1485	9.6	11.84	1841.6	
		54%	23013	36.4	2514.8	1564	9.2	13.14	2152.5	
		57%	25309	42.0	2898.0	1639	8.7	14.47	2482.9	
		60%	27673	48.0	3314.0	1713	8.4	15.83	2839.1	
		63%	30134	54.6	3769.4	1787	8.0	17.24	3226.7	
		66%	32722	61.9	4272.4	1861	7.7	18.73	3650.3	
		69%	35460	70.0	4830.9	1935	7.3	20.31	4114.6	
		72%	38360	79.0	5451.9	2010	7.0	21.98	4625.6	
		75%	41414	89.0	6139.8	2084	6.7	23.74	5180.7	
		78%	44590	99.9	6894.7	2158	6.5	25.58	5780.6	
		81%	47825	111.7	7710.1	2229	6.2	27.47	6410.6	
		84%	51022	124.2	8568.9	2297	6.0	29.34	7056.2	
		87%	54039	136.8	9436.8	2361	5.7	31.11	7691.3	
		90%	56686	148.6	10253.0	2419	5.5	32.67	8275.6	
		100%	59937	164.3	11340.0	2494	5.3	34.59	9033.4	

X13 G2-61V+MFP 56x20负载性能参数

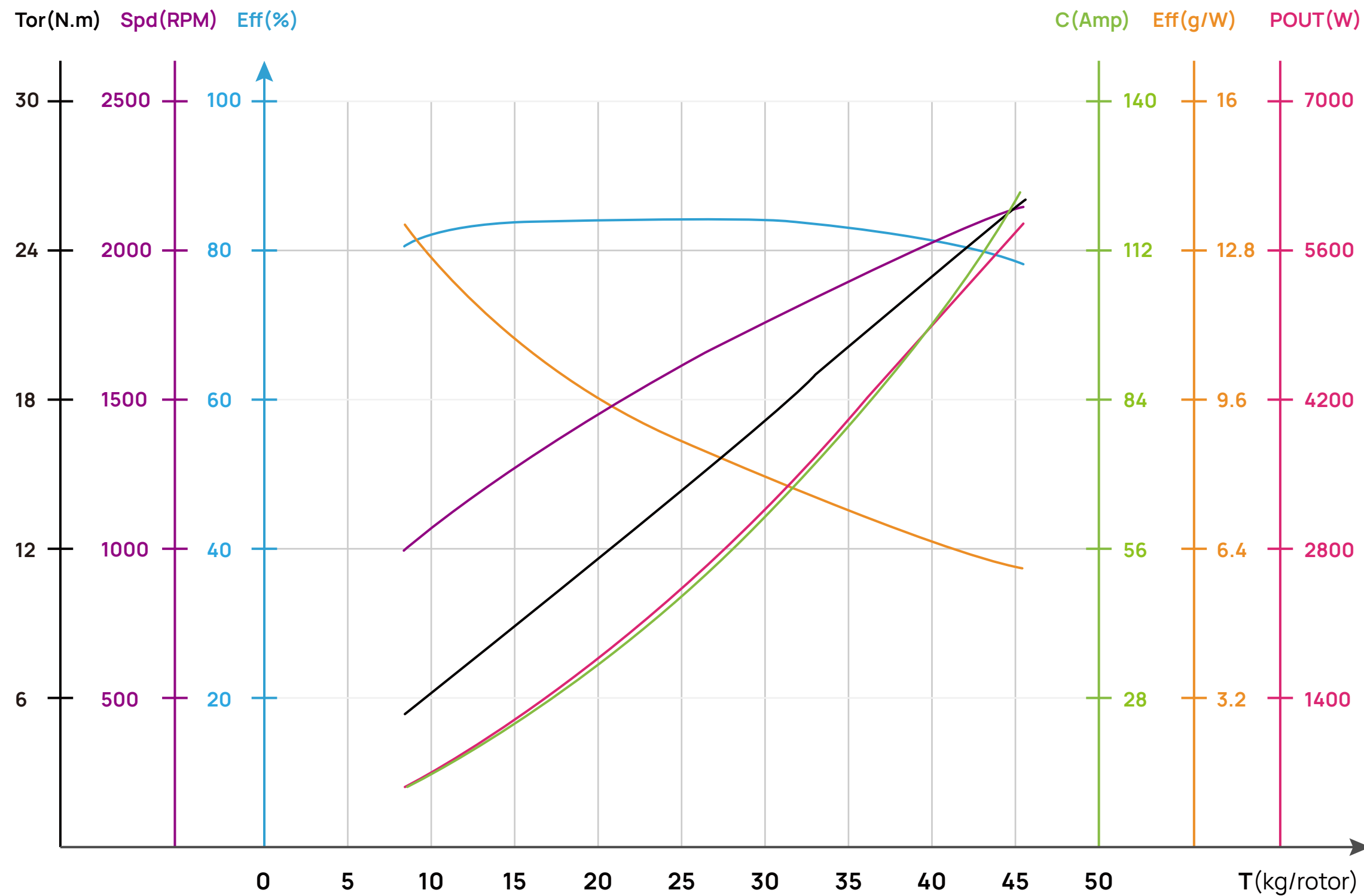
X13 G2-61V+MFP 56x20 Load Performance Parameters



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	Temperature(°C) 温度
61V	MFP 56x20	33%	10219	12.5	765.0	1007	13.4	5.87	619.0	/
		35%	10998	13.7	837.0	1042	13.1	6.31	688.9	
		37%	12409	16.2	986.9	1104	12.6	7.13	824.3	
		39%	13700	18.7	1141.3	1159	12.0	7.89	957.1	
		42%	15576	22.7	1386.2	1236	11.2	8.99	1163.1	
		45%	17540	27.2	1660.0	1312	10.6	10.13	1392.1	
		48%	19705	32.4	1975.5	1390	10.0	11.38	1656.8	
		51%	22118	38.3	2340.5	1471	9.5	12.76	1965.8	
		54%	24772	45.2	2760.7	1555	9.0	14.27	2324.1	
		57%	27618	53.1	3241.9	1639	8.5	15.91	2730.2	
		60%	30569	62.1	3789.1	1722	8.1	17.64	3181.1	
		63%	33520	72.0	4398.0	1804	7.6	19.43	3669.6	
		66%	36350	82.7	5045.7	1880	7.2	21.17	4167.7	
		69%	38936	93.2	5687.3	1947	6.8	22.76	4639.5	
		72%	41165	102.6	6266.0	2000	6.6	24.07	5040.1	
		75%	42942	110.3	6731.3	2039	6.4	25.03	5344.0	
		78%	44200	115.6	7055.1	2063	6.3	25.64	5539.5	
		81%	44914	118.5	7234.1	2075	6.2	25.96	5640.3	
		84%	45107	119.3	7281.6	2078	6.2	26.04	5666.0	
		100%	45108	119.3	7281.9	2078	6.2	26.04	5666.1	

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61V	MFC 57x20	33%	9452	11.6	707.9	1000	13.4	5.46	571.8	/
		35%	10280	13.0	792.0	1042	13.0	5.93	647.1	
		37%	11740	15.6	950.3	1112	12.4	6.76	786.7	
		39%	13024	18.0	1099.1	1169	11.8	7.48	915.5	
		42%	14800	21.6	1318.3	1244	11.2	8.48	1104.0	
		45%	16582	25.4	1552.8	1314	10.7	9.47	1303.6	
		48%	18515	29.9	1822.4	1386	10.2	10.56	1532.5	
		51%	20674	35.1	2142.4	1463	9.7	11.78	1804.4	
		54%	23082	41.3	2522.8	1544	9.1	13.15	2126.2	
		57%	25716	48.6	2969.1	1630	8.7	14.67	2504.2	
		60%	28512	57.0	3481.0	1717	8.2	16.31	2933.0	
		63%	31385	66.4	4051.7	1803	7.7	18.02	3402.9	
		66%	34226	76.4	4665.5	1884	7.3	19.73	3893.2	
		69%	36924	86.8	5296.6	1957	7.0	21.36	4376.9	
		72%	39364	96.8	5909.5	2020	6.7	22.81	4825.0	
		75%	41446	105.9	6463.9	2071	6.4	24.02	5209.0	
		78%	43087	113.4	6920.8	2110	6.2	24.94	5510.9	
		81%	44237	118.8	7250.7	2136	6.1	25.57	5718.3	
		84%	44883	121.9	7439.6	2151	6.0	25.91	5835.3	
		100%	45064	122.7	7492.7	2155	6.0	26.00	5867.4	