



# LOAD PERFORMANCE PARAMETERS

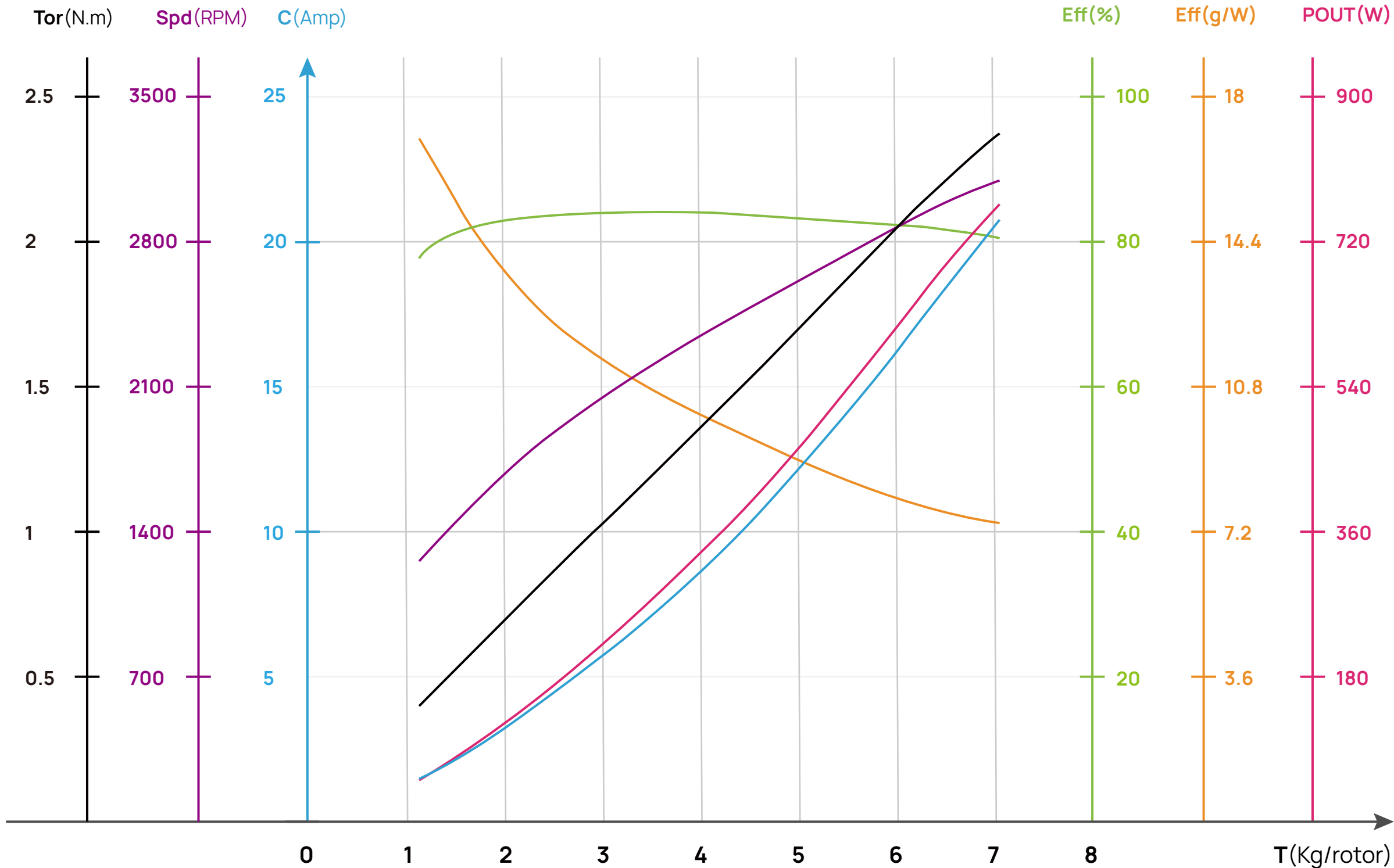
## 负载性能参数

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，电机温度为65%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.

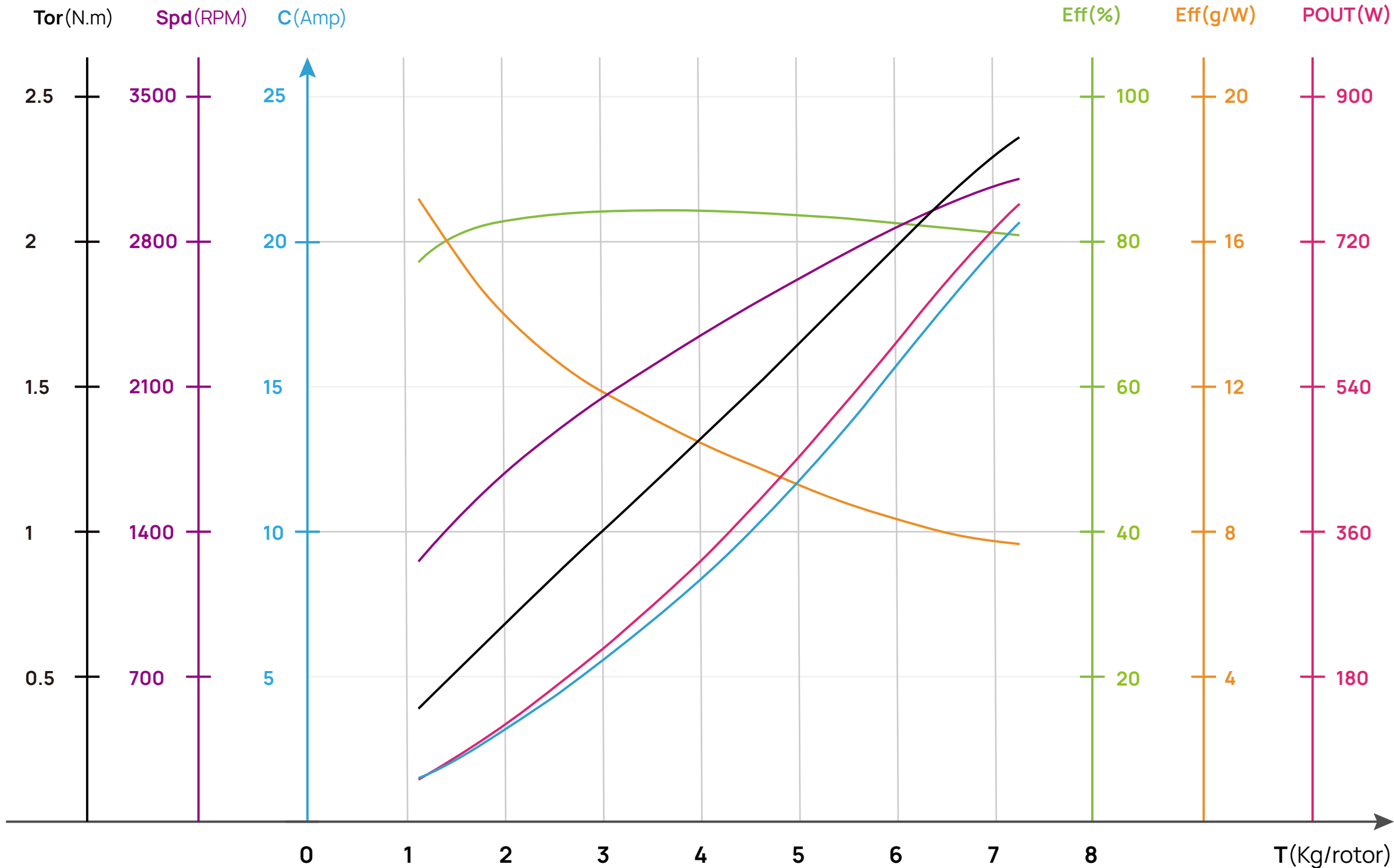
The motor temperature is measured after running for 10 minutes at 65% throttle, for reference only.

85KV+MSC 29x9.5



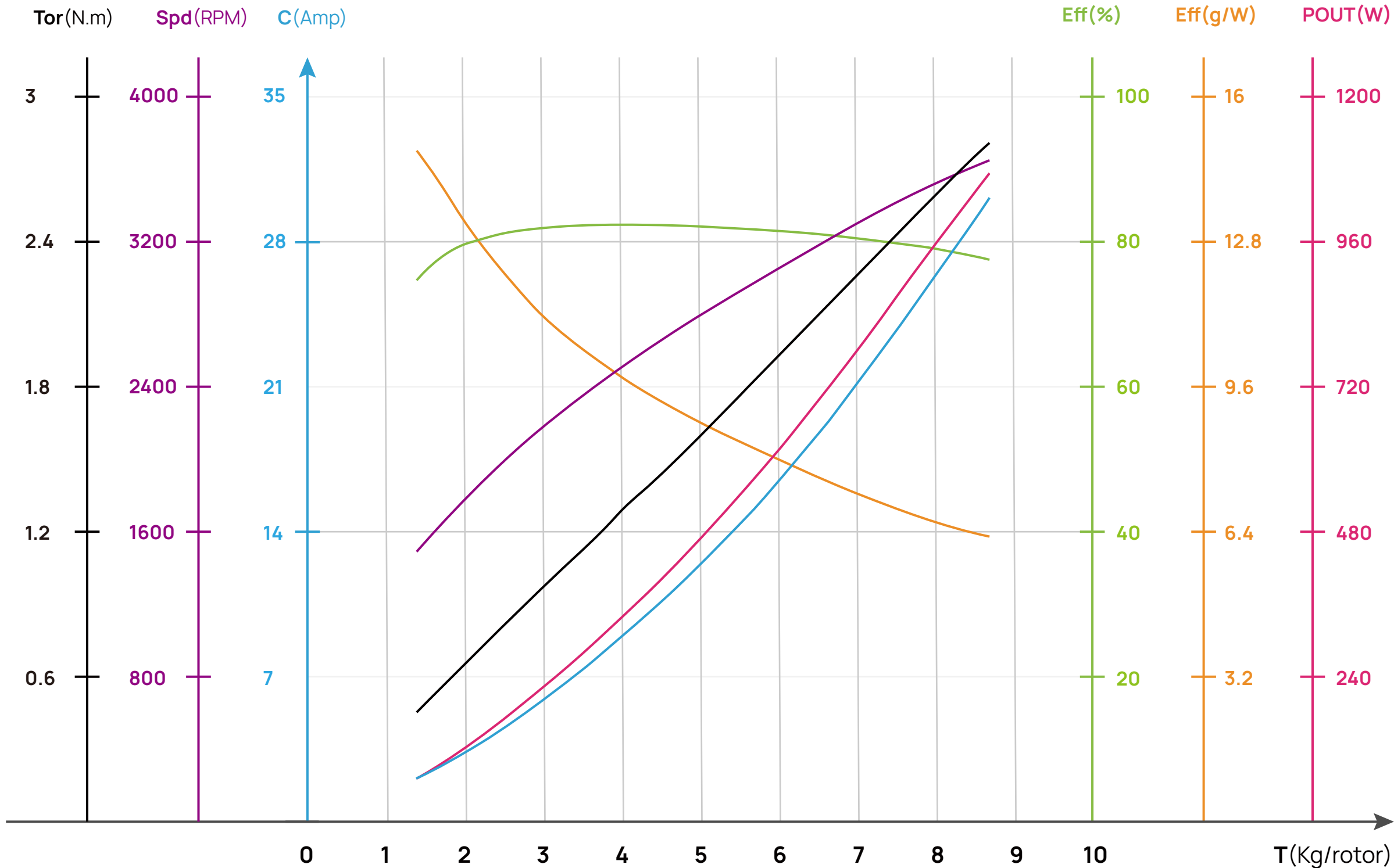
| Voltage(V)<br>工作电压 | Propeller<br>螺旋桨 | Throttle(%)<br>油门 | Thrust(g)<br>拉力 | Current(A)<br>电流 | Power Input(W)<br>输入功率 | Speed(RPM)<br>转速 | Efficiency(g/W)<br>力效 | Torque(N·m)<br>扭矩 | Power Output(W)<br>输出功率 | Temperature(°C)<br>电机机壳温度 |
|--------------------|------------------|-------------------|-----------------|------------------|------------------------|------------------|-----------------------|-------------------|-------------------------|---------------------------|
| 46V<br>(12S LiPo)  | MSC 29x9.5       | 33%               | 1171            | 1.5              | 69.6                   | 1270             | 16.8                  | 0.41              | 54.3                    | 66.1℃                     |
|                    |                  | 35%               | 1285            | 1.7              | 78.6                   | 1331             | 16.3                  | 0.45              | 62.4                    |                           |
|                    |                  | 37%               | 1413            | 1.9              | 89.4                   | 1398             | 15.8                  | 0.49              | 71.9                    |                           |
|                    |                  | 39%               | 1552            | 2.2              | 101.9                  | 1467             | 15.2                  | 0.54              | 82.8                    |                           |
|                    |                  | 42%               | 1778            | 2.7              | 123.7                  | 1575             | 14.4                  | 0.62              | 101.6                   |                           |
|                    |                  | 45%               | 2021            | 3.2              | 148.8                  | 1683             | 13.6                  | 0.70              | 123.1                   |                           |
|                    |                  | 48%               | 2279            | 3.8              | 176.9                  | 1789             | 12.9                  | 0.79              | 147.1                   |                           |
|                    |                  | 51%               | 2549            | 4.5              | 207.6                  | 1891             | 12.3                  | 0.88              | 173.4                   |                           |
|                    |                  | 54%               | 2828            | 5.2              | 240.8                  | 1989             | 11.7                  | 0.97              | 201.7                   |                           |
|                    |                  | 57%               | 3117            | 6.0              | 276.4                  | 2083             | 11.3                  | 1.06              | 232.0                   |                           |
|                    |                  | 60%               | 3412            | 6.8              | 314.6                  | 2172             | 10.8                  | 1.16              | 264.2                   |                           |
|                    |                  | 63%               | 3715            | 7.7              | 355.5                  | 2259             | 10.5                  | 1.26              | 298.5                   |                           |
|                    |                  | 66%               | 4024            | 8.7              | 399.5                  | 2344             | 10.1                  | 1.36              | 335.0                   |                           |
|                    |                  | 69%               | 4339            | 9.7              | 446.8                  | 2428             | 9.7                   | 1.47              | 373.8                   |                           |
|                    |                  | 72%               | 4657            | 10.8             | 497.7                  | 2512             | 9.4                   | 1.58              | 415.2                   |                           |
|                    |                  | 75%               | 4977            | 12.0             | 552.1                  | 2596             | 9.0                   | 1.69              | 459.1                   |                           |
|                    |                  | 78%               | 5296            | 13.2             | 609.5                  | 2680             | 8.7                   | 1.80              | 505.0                   |                           |
|                    |                  | 81%               | 5611            | 14.5             | 669.0                  | 2763             | 8.4                   | 1.91              | 552.3                   |                           |
|                    |                  | 84%               | 5917            | 15.8             | 729.0                  | 2843             | 8.1                   | 2.01              | 599.5                   |                           |
|                    |                  | 87%               | 6208            | 17.1             | 787.3                  | 2916             | 7.9                   | 2.11              | 644.7                   |                           |
|                    |                  | 90%               | 6476            | 18.3             | 841.4                  | 2979             | 7.7                   | 2.20              | 685.7                   |                           |
|                    |                  | 100%              | 7060            | 20.7             | 954.7                  | 3092             | 7.4                   | 2.37              | 766.4                   |                           |

85KV+MSC 30x9.8



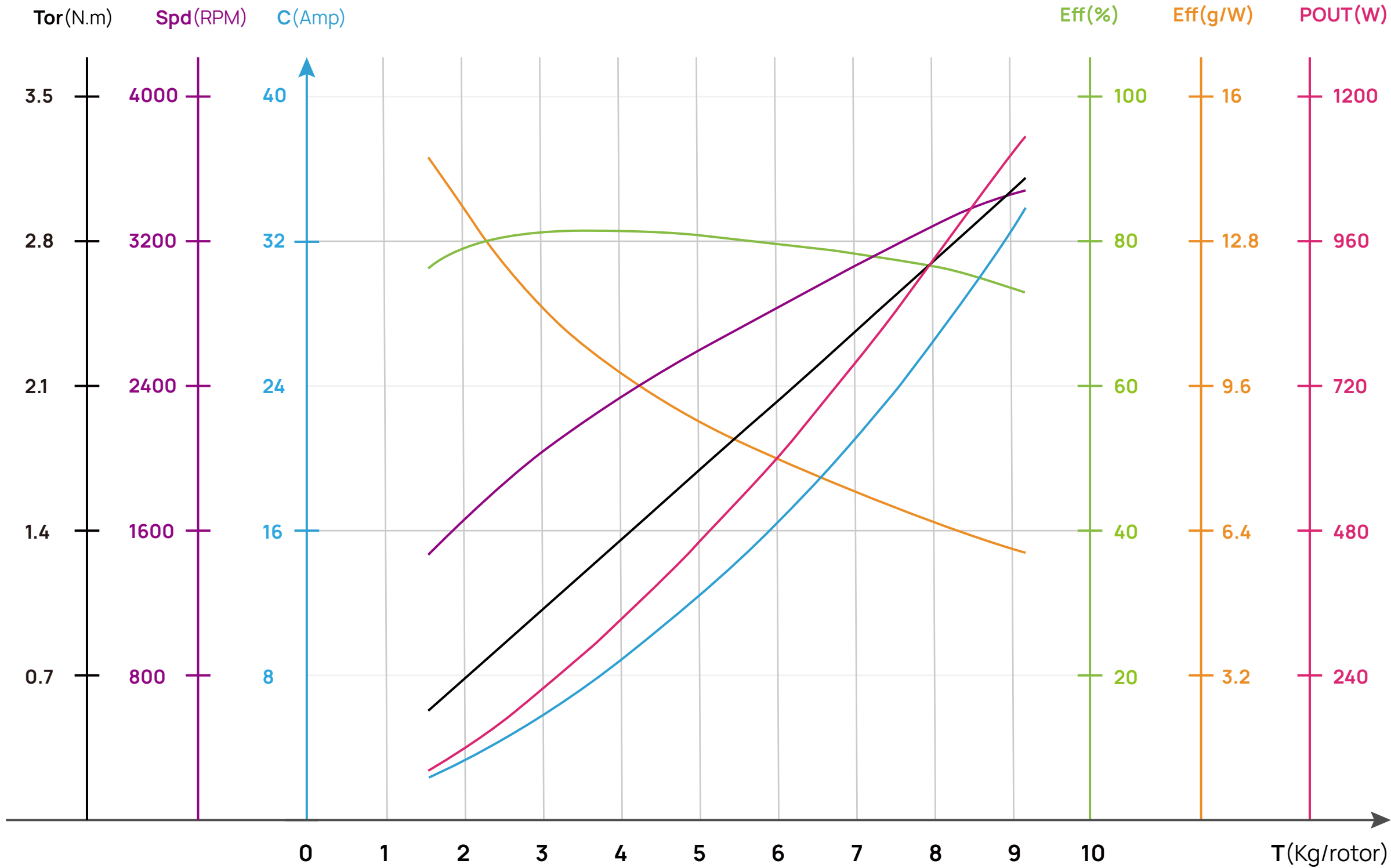
| Voltage(V)<br>工作电压 | Propeller<br>螺旋桨 | Throttle(%)<br>油门 | Thrust(g)<br>拉力 | Current(A)<br>电流 | Power Input(W)<br>输入功率 | Speed(RPM)<br>转速 | Efficiency(g/W)<br>力效 | Torque(N·m)<br>扭矩 | Power Output(W)<br>输出功率 | Temperature(°C)<br>电机机壳温度 |
|--------------------|------------------|-------------------|-----------------|------------------|------------------------|------------------|-----------------------|-------------------|-------------------------|---------------------------|
| 46V<br>(12S LiPo)  | MSC 30x9.8       | 33%               | 1164            | 1.5              | 68.2                   | 1269             | 17.1                  | 0.40              | 52.8                    | 69.2℃                     |
|                    |                  | 35%               | 1274            | 1.7              | 76.7                   | 1330             | 16.6                  | 0.43              | 60.4                    |                           |
|                    |                  | 37%               | 1402            | 1.9              | 87.2                   | 1397             | 16.1                  | 0.48              | 69.8                    |                           |
|                    |                  | 39%               | 1545            | 2.2              | 99.6                   | 1468             | 15.5                  | 0.52              | 80.7                    |                           |
|                    |                  | 42%               | 1780            | 2.6              | 121.4                  | 1578             | 14.7                  | 0.60              | 99.6                    |                           |
|                    |                  | 45%               | 2035            | 3.2              | 146.4                  | 1688             | 13.9                  | 0.69              | 121.2                   |                           |
|                    |                  | 48%               | 2302            | 3.8              | 174.2                  | 1794             | 13.2                  | 0.77              | 145.2                   |                           |
|                    |                  | 51%               | 2578            | 4.4              | 204.4                  | 1895             | 12.6                  | 0.86              | 171.1                   |                           |
|                    |                  | 54%               | 2861            | 5.1              | 236.7                  | 1993             | 12.1                  | 0.95              | 198.7                   |                           |
|                    |                  | 57%               | 3149            | 5.9              | 271.1                  | 2087             | 11.6                  | 1.04              | 228.1                   |                           |
|                    |                  | 60%               | 3443            | 6.7              | 307.8                  | 2178             | 11.2                  | 1.14              | 259.2                   |                           |
|                    |                  | 63%               | 3741            | 7.5              | 347.0                  | 2267             | 10.8                  | 1.23              | 292.3                   |                           |
|                    |                  | 66%               | 4044            | 8.5              | 389.2                  | 2355             | 10.4                  | 1.33              | 327.6                   |                           |
|                    |                  | 69%               | 4353            | 9.4              | 434.7                  | 2442             | 10.0                  | 1.43              | 365.4                   |                           |
|                    |                  | 72%               | 4668            | 10.5             | 484.0                  | 2529             | 9.6                   | 1.53              | 405.8                   |                           |
|                    |                  | 75%               | 4988            | 11.7             | 537.0                  | 2615             | 9.3                   | 1.64              | 448.8                   |                           |
|                    |                  | 78%               | 5312            | 12.9             | 593.5                  | 2699             | 8.9                   | 1.75              | 494.3                   |                           |
|                    |                  | 81%               | 5636            | 14.2             | 652.9                  | 2781             | 8.6                   | 1.86              | 541.4                   |                           |
|                    |                  | 84%               | 5958            | 15.5             | 713.5                  | 2857             | 8.4                   | 1.97              | 589.0                   |                           |
|                    |                  | 87%               | 6271            | 16.8             | 773.3                  | 2927             | 8.1                   | 2.07              | 635.3                   |                           |
|                    |                  | 90%               | 6567            | 18.0             | 829.3                  | 2988             | 7.9                   | 2.17              | 678.0                   |                           |
|                    |                  | 100%              | 7258            | 20.6             | 949.1                  | 3102             | 7.6                   | 2.36              | 766.4                   |                           |

# 100KV+MSC 28x9.2



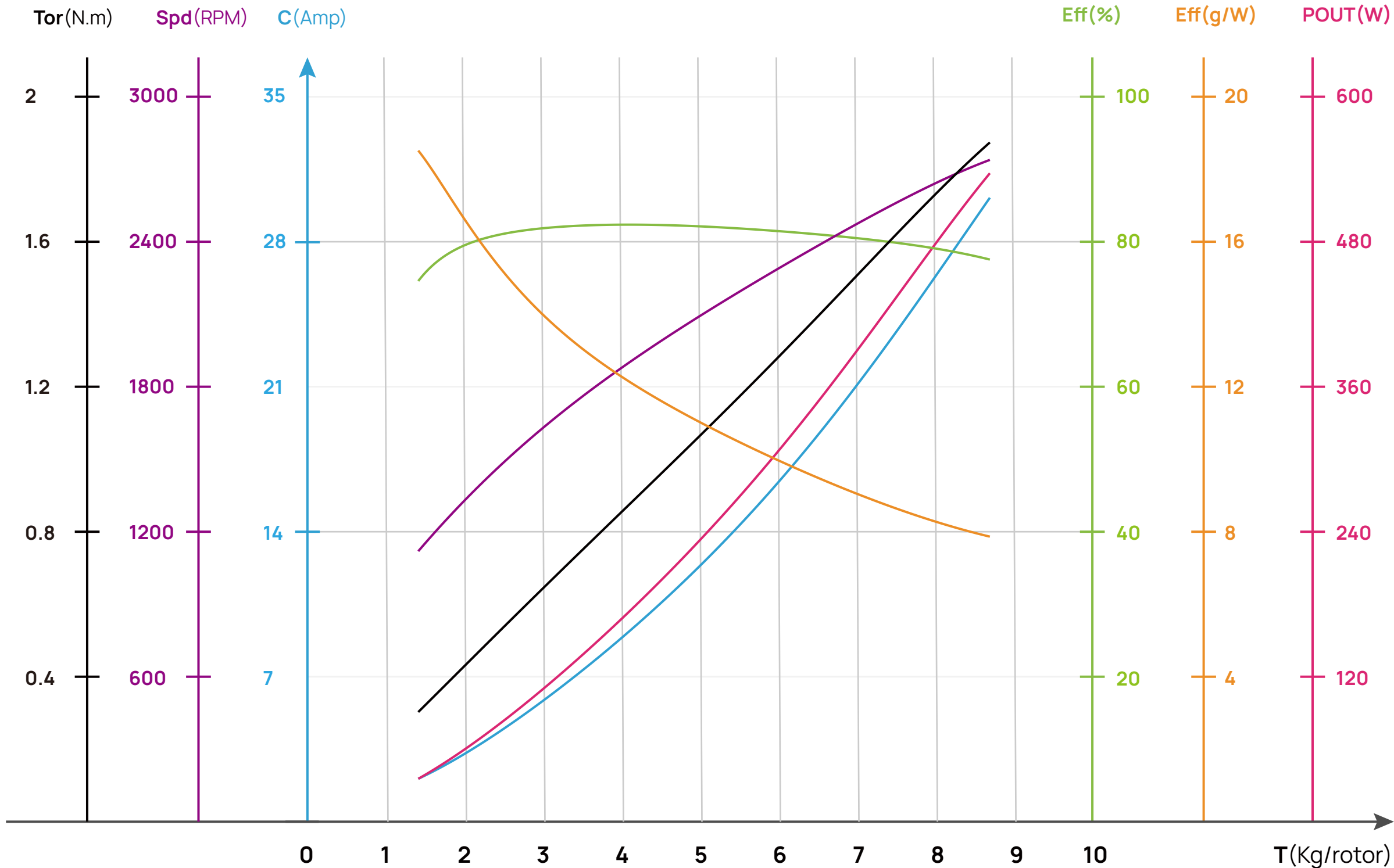
| Voltage(V)<br>工作电压 | Propeller<br>螺旋桨 | Throttle(%)<br>油门 | Thrust(g)<br>拉力 | Current(A)<br>电流 | Power Input(W)<br>输入功率 | Speed(RPM)<br>转速 | Efficiency(g/W)<br>力效 | Torque(N·m)<br>扭矩 | Power Output(W)<br>输出功率 | Temperature(°C)<br>电机机壳温度 |
|--------------------|------------------|-------------------|-----------------|------------------|------------------------|------------------|-----------------------|-------------------|-------------------------|---------------------------|
| 46V<br>(12S LiPo)  | MSC 28x9.2       | 33%               | 1438            | 2.1              | 97.8                   | 1508             | 14.7                  | 0.46              | 73.3                    | 73.2℃                     |
|                    |                  | 35%               | 1599            | 2.4              | 111.7                  | 1587             | 14.3                  | 0.52              | 85.7                    |                           |
|                    |                  | 37%               | 1778            | 2.8              | 128.5                  | 1672             | 13.8                  | 0.57              | 100.5                   |                           |
|                    |                  | 39%               | 1972            | 3.2              | 147.9                  | 1760             | 13.3                  | 0.64              | 117.3                   |                           |
|                    |                  | 42%               | 2281            | 3.9              | 181.4                  | 1894             | 12.6                  | 0.74              | 146.0                   |                           |
|                    |                  | 45%               | 2605            | 4.8              | 219.3                  | 2024             | 11.9                  | 0.84              | 178.1                   |                           |
|                    |                  | 48%               | 2937            | 5.7              | 260.7                  | 2149             | 11.3                  | 0.95              | 212.9                   |                           |
|                    |                  | 51%               | 3273            | 6.6              | 305.0                  | 2268             | 10.7                  | 1.05              | 250.0                   |                           |
|                    |                  | 54%               | 3613            | 7.6              | 351.9                  | 2381             | 10.3                  | 1.16              | 289.1                   |                           |
|                    |                  | 57%               | 3955            | 8.7              | 401.4                  | 2488             | 9.9                   | 1.27              | 330.1                   |                           |
|                    |                  | 60%               | 4301            | 9.9              | 454.0                  | 2592             | 9.5                   | 1.38              | 373.3                   |                           |
|                    |                  | 63%               | 4654            | 11.1             | 510.2                  | 2692             | 9.1                   | 1.49              | 419.1                   |                           |
|                    |                  | 66%               | 5014            | 12.4             | 570.7                  | 2791             | 8.8                   | 1.60              | 467.9                   |                           |
|                    |                  | 69%               | 5383            | 13.8             | 636.1                  | 2890             | 8.5                   | 1.72              | 520.3                   |                           |
|                    |                  | 72%               | 5763            | 15.4             | 707.4                  | 2988             | 8.1                   | 1.84              | 576.7                   |                           |
|                    |                  | 75%               | 6151            | 17.1             | 784.7                  | 3087             | 7.8                   | 1.97              | 637.3                   |                           |
|                    |                  | 78%               | 6547            | 18.9             | 868.1                  | 3185             | 7.5                   | 2.10              | 701.9                   |                           |
|                    |                  | 81%               | 6946            | 20.8             | 956.6                  | 3282             | 7.3                   | 2.24              | 769.5                   |                           |
|                    |                  | 84%               | 7338            | 22.8             | 1048.2                 | 3373             | 7.0                   | 2.37              | 838.2                   |                           |
|                    |                  | 87%               | 7714            | 24.8             | 1139.2                 | 3458             | 6.8                   | 2.50              | 904.9                   |                           |
|                    |                  | 90%               | 8059            | 26.6             | 1224.7                 | 3530             | 6.6                   | 2.61              | 965.7                   |                           |
|                    |                  | 100%              | 8693            | 30.1             | 1384.4                 | 3647             | 6.3                   | 2.81              | 1071.9                  |                           |

# 100KV+MSC 29x9.5



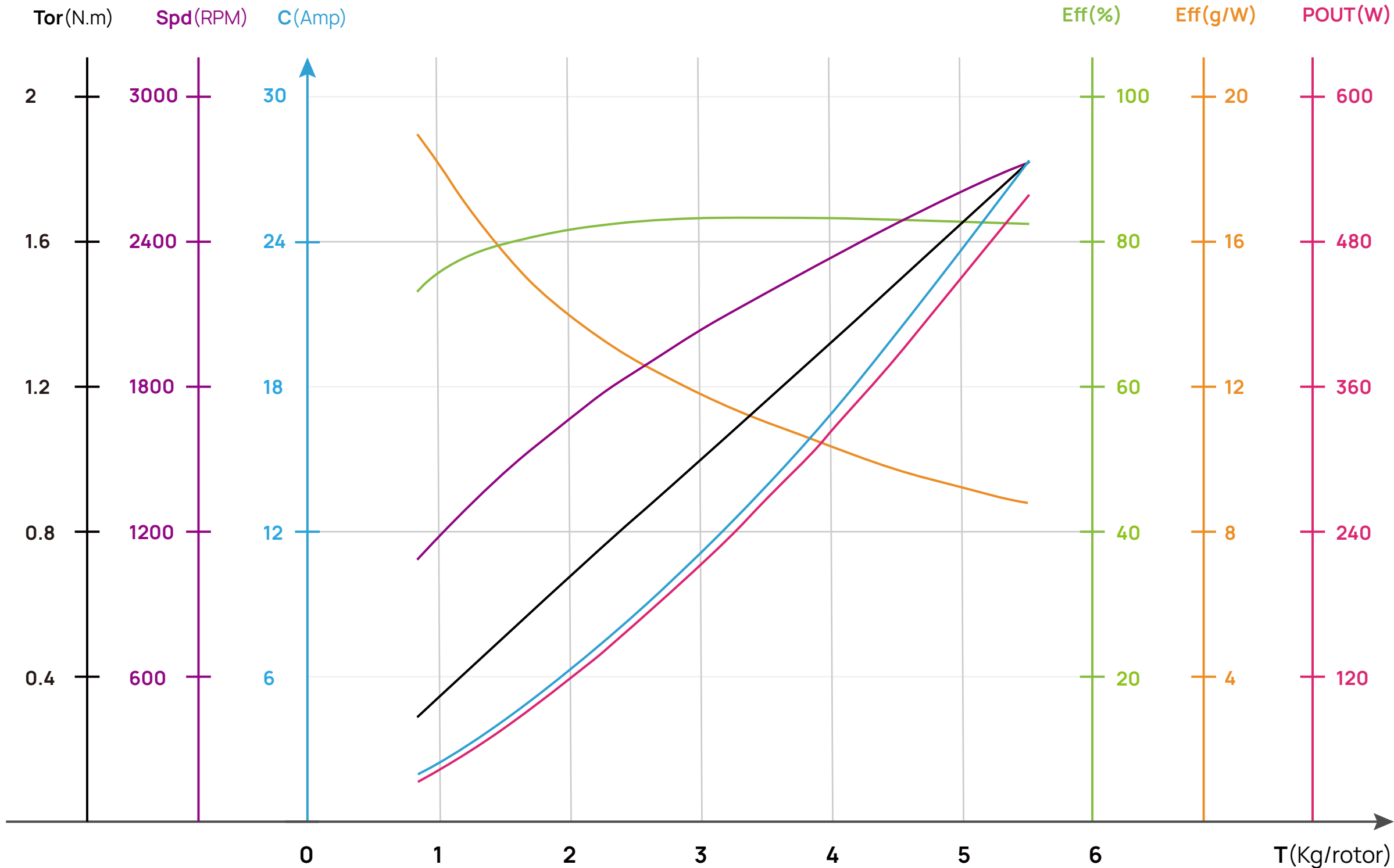
| Voltage(V)<br>工作电压 | Propeller<br>螺旋桨 | Throttle(%)<br>油门 | Thrust(g)<br>拉力 | Current(A)<br>电流 | Power Input(W)<br>输入功率 | Speed(RPM)<br>转速 | Efficiency(g/W)<br>力效 | Torque(N·m)<br>扭矩 | Power Output(W)<br>输出功率 | Temperature(°C)<br>电机机壳温度 |
|--------------------|------------------|-------------------|-----------------|------------------|------------------------|------------------|-----------------------|-------------------|-------------------------|---------------------------|
| 46V<br>(12S LiPo)  | MSC 29x9.5       | 33%               | 1611            | 2.4              | 110.7                  | 1486             | 14.5                  | 0.54              | 84.8                    | 77.4℃                     |
|                    |                  | 35%               | 1795            | 2.8              | 127.4                  | 1566             | 14.1                  | 0.61              | 99.2                    |                           |
|                    |                  | 37%               | 1994            | 3.2              | 146.9                  | 1649             | 13.6                  | 0.67              | 115.9                   |                           |
|                    |                  | 39%               | 2205            | 3.7              | 169.0                  | 1734             | 13.0                  | 0.74              | 134.6                   |                           |
|                    |                  | 42%               | 2537            | 4.5              | 206.6                  | 1862             | 12.3                  | 0.85              | 166.4                   |                           |
|                    |                  | 45%               | 2884            | 5.4              | 249.1                  | 1987             | 11.6                  | 0.97              | 201.9                   |                           |
|                    |                  | 48%               | 3241            | 6.4              | 295.8                  | 2106             | 11.0                  | 1.09              | 240.6                   |                           |
|                    |                  | 51%               | 3604            | 7.5              | 346.3                  | 2219             | 10.4                  | 1.21              | 282.1                   |                           |
|                    |                  | 54%               | 3972            | 8.7              | 400.3                  | 2326             | 9.9                   | 1.34              | 325.9                   |                           |
|                    |                  | 57%               | 4344            | 9.9              | 457.8                  | 2427             | 9.5                   | 1.46              | 372.0                   |                           |
|                    |                  | 60%               | 4720            | 11.3             | 518.8                  | 2524             | 9.1                   | 1.59              | 420.3                   |                           |
|                    |                  | 63%               | 5101            | 12.7             | 583.8                  | 2617             | 8.7                   | 1.72              | 470.9                   |                           |
|                    |                  | 66%               | 5487            | 14.2             | 653.1                  | 2709             | 8.4                   | 1.85              | 524.2                   |                           |
|                    |                  | 69%               | 5878            | 15.8             | 727.1                  | 2801             | 8.1                   | 1.98              | 580.2                   |                           |
|                    |                  | 72%               | 6273            | 17.5             | 806.2                  | 2892             | 7.8                   | 2.11              | 639.4                   |                           |
|                    |                  | 75%               | 6670            | 19.4             | 890.6                  | 2984             | 7.5                   | 2.24              | 701.5                   |                           |
|                    |                  | 78%               | 7068            | 21.3             | 980.1                  | 3076             | 7.2                   | 2.38              | 766.3                   |                           |
|                    |                  | 81%               | 7461            | 23.3             | 1073.9                 | 3165             | 6.9                   | 2.51              | 832.8                   |                           |
|                    |                  | 84%               | 7842            | 25.4             | 1170.4                 | 3249             | 6.7                   | 2.64              | 899.3                   |                           |
|                    |                  | 87%               | 8204            | 27.5             | 1267.1                 | 3324             | 6.5                   | 2.77              | 963.3                   |                           |
|                    |                  | 90%               | 8533            | 29.6             | 1359.8                 | 3387             | 6.3                   | 2.88              | 1021.8                  |                           |
|                    |                  | 100%              | 9187            | 33.8             | 1556.3                 | 3480             | 5.9                   | 3.11              | 1132.8                  |                           |

150KV+MSC 28x9.2



| Voltage(V)<br>工作电压 | Propeller<br>螺旋桨 | Throttle(%)<br>油门 | Thrust(g)<br>拉力 | Current(A)<br>电流 | Power Input(W)<br>输入功率 | Speed(RPM)<br>转速 | Efficiency(g/W)<br>力效 | Torque(N·m)<br>扭矩 | Power Output(W)<br>输出功率 | Temperature(°C)<br>电机机壳温度 |
|--------------------|------------------|-------------------|-----------------|------------------|------------------------|------------------|-----------------------|-------------------|-------------------------|---------------------------|
| 23V<br>(6S LiPo)   | MSC 28x9.2       | 33%               | 871             | 2.0              | 47.2                   | 1096             | 18.5                  | 0.30              | 34.8                    | 54.2℃                     |
|                    |                  | 35%               | 968             | 2.3              | 53.7                   | 1151             | 18.0                  | 0.33              | 40.3                    |                           |
|                    |                  | 37%               | 1070            | 2.7              | 61.2                   | 1207             | 17.5                  | 0.37              | 46.6                    |                           |
|                    |                  | 39%               | 1178            | 3.0              | 69.5                   | 1266             | 16.9                  | 0.40              | 53.6                    |                           |
|                    |                  | 42%               | 1349            | 3.6              | 83.6                   | 1355             | 16.1                  | 0.46              | 65.6                    |                           |
|                    |                  | 45%               | 1529            | 4.3              | 99.6                   | 1445             | 15.4                  | 0.52              | 79.2                    |                           |
|                    |                  | 48%               | 1720            | 5.1              | 117.4                  | 1535             | 14.6                  | 0.59              | 94.5                    |                           |
|                    |                  | 51%               | 1919            | 5.9              | 137.0                  | 1623             | 14.0                  | 0.66              | 111.3                   |                           |
|                    |                  | 54%               | 2127            | 6.9              | 158.4                  | 1709             | 13.4                  | 0.72              | 129.7                   |                           |
|                    |                  | 57%               | 2344            | 7.9              | 181.6                  | 1793             | 12.9                  | 0.80              | 149.6                   |                           |
|                    |                  | 60%               | 2569            | 9.0              | 206.7                  | 1875             | 12.4                  | 0.87              | 170.9                   |                           |
|                    |                  | 63%               | 2802            | 10.1             | 234.0                  | 1954             | 12.0                  | 0.95              | 193.8                   |                           |
|                    |                  | 66%               | 3043            | 11.4             | 263.5                  | 2032             | 11.5                  | 1.03              | 218.4                   |                           |
|                    |                  | 69%               | 3290            | 12.8             | 295.3                  | 2109             | 11.1                  | 1.11              | 244.7                   |                           |
|                    |                  | 72%               | 3542            | 14.3             | 329.6                  | 2185             | 10.7                  | 1.19              | 273.0                   |                           |
|                    |                  | 75%               | 3798            | 15.9             | 366.3                  | 2262             | 10.4                  | 1.28              | 303.1                   |                           |
|                    |                  | 78%               | 4054            | 17.6             | 404.9                  | 2339             | 10.0                  | 1.37              | 335.0                   |                           |
|                    |                  | 81%               | 4307            | 19.3             | 445.0                  | 2414             | 9.7                   | 1.46              | 368.2                   |                           |
|                    |                  | 84%               | 4554            | 21.0             | 485.3                  | 2487             | 9.4                   | 1.54              | 401.7                   |                           |
|                    |                  | 87%               | 4789            | 22.8             | 524.7                  | 2554             | 9.1                   | 1.62              | 434.2                   |                           |
|                    |                  | 90%               | 5005            | 24.3             | 561.3                  | 2611             | 8.9                   | 1.70              | 464.0                   |                           |
|                    |                  | 100%              | 5483            | 27.8             | 640.0                  | 2712             | 8.6                   | 1.84              | 523.6                   |                           |

150KV+MSC 29x9.5



| Voltage(V)<br>工作电压 | Propeller<br>螺旋桨 | Throttle(%)<br>油门 | Thrust(g)<br>拉力 | Current(A)<br>电流 | Power Input(W)<br>输入功率 | Speed(RPM)<br>转速 | Efficiency(g/W)<br>力效 | Torque(N·m)<br>扭矩 | Power Output(W)<br>输出功率 | Temperature(°C)<br>电机机壳温度 |
|--------------------|------------------|-------------------|-----------------|------------------|------------------------|------------------|-----------------------|-------------------|-------------------------|---------------------------|
| 23V<br>(6S LiPo)   | MSC 29x9.5       | 33%               | 869             | 2.0              | 46.1                   | 1096             | 18.9                  | 0.30              | 33.9                    | 53.6℃                     |
|                    |                  | 35%               | 963             | 2.3              | 52.4                   | 1151             | 18.4                  | 0.33              | 39.3                    |                           |
|                    |                  | 37%               | 1064            | 2.6              | 59.6                   | 1208             | 17.8                  | 0.36              | 45.5                    |                           |
|                    |                  | 39%               | 1171            | 2.9              | 67.8                   | 1266             | 17.3                  | 0.40              | 52.5                    |                           |
|                    |                  | 42%               | 1341            | 3.5              | 81.7                   | 1356             | 16.4                  | 0.45              | 64.3                    |                           |
|                    |                  | 45%               | 1522            | 4.2              | 97.6                   | 1447             | 15.6                  | 0.51              | 77.8                    |                           |
|                    |                  | 48%               | 1712            | 5.0              | 115.2                  | 1537             | 14.9                  | 0.58              | 92.7                    |                           |
|                    |                  | 51%               | 1911            | 5.8              | 134.4                  | 1625             | 14.2                  | 0.64              | 109.2                   |                           |
|                    |                  | 54%               | 2117            | 6.7              | 155.4                  | 1711             | 13.6                  | 0.71              | 127.2                   |                           |
|                    |                  | 57%               | 2332            | 7.7              | 178.1                  | 1796             | 13.1                  | 0.78              | 146.6                   |                           |
|                    |                  | 60%               | 2555            | 8.8              | 202.5                  | 1878             | 12.6                  | 0.85              | 167.5                   |                           |
|                    |                  | 63%               | 2786            | 9.9              | 228.9                  | 1958             | 12.2                  | 0.93              | 190.0                   |                           |
|                    |                  | 66%               | 3026            | 11.2             | 257.4                  | 2037             | 11.8                  | 1.00              | 214.2                   |                           |
|                    |                  | 69%               | 3273            | 12.5             | 288.2                  | 2115             | 11.4                  | 1.08              | 240.1                   |                           |
|                    |                  | 72%               | 3528            | 13.9             | 321.4                  | 2193             | 11.0                  | 1.17              | 267.7                   |                           |
|                    |                  | 75%               | 3788            | 15.5             | 356.9                  | 2269             | 10.6                  | 1.25              | 297.1                   |                           |
|                    |                  | 78%               | 4050            | 17.1             | 394.7                  | 2345             | 10.3                  | 1.34              | 328.1                   |                           |
|                    |                  | 81%               | 4312            | 18.8             | 434.1                  | 2419             | 9.9                   | 1.42              | 360.3                   |                           |
|                    |                  | 84%               | 4569            | 20.6             | 474.2                  | 2490             | 9.6                   | 1.51              | 393.0                   |                           |
|                    |                  | 87%               | 4814            | 22.3             | 513.8                  | 2556             | 9.4                   | 1.59              | 425.1                   |                           |
|                    |                  | 90%               | 5040            | 23.9             | 551.1                  | 2615             | 9.1                   | 1.66              | 455.3                   |                           |
|                    |                  | 100%              | 5517            | 27.3             | 629.8                  | 2726             | 8.8                   | 1.82              | 518.6                   |                           |