



# LOAD PERFORMANCE PARAMETERS

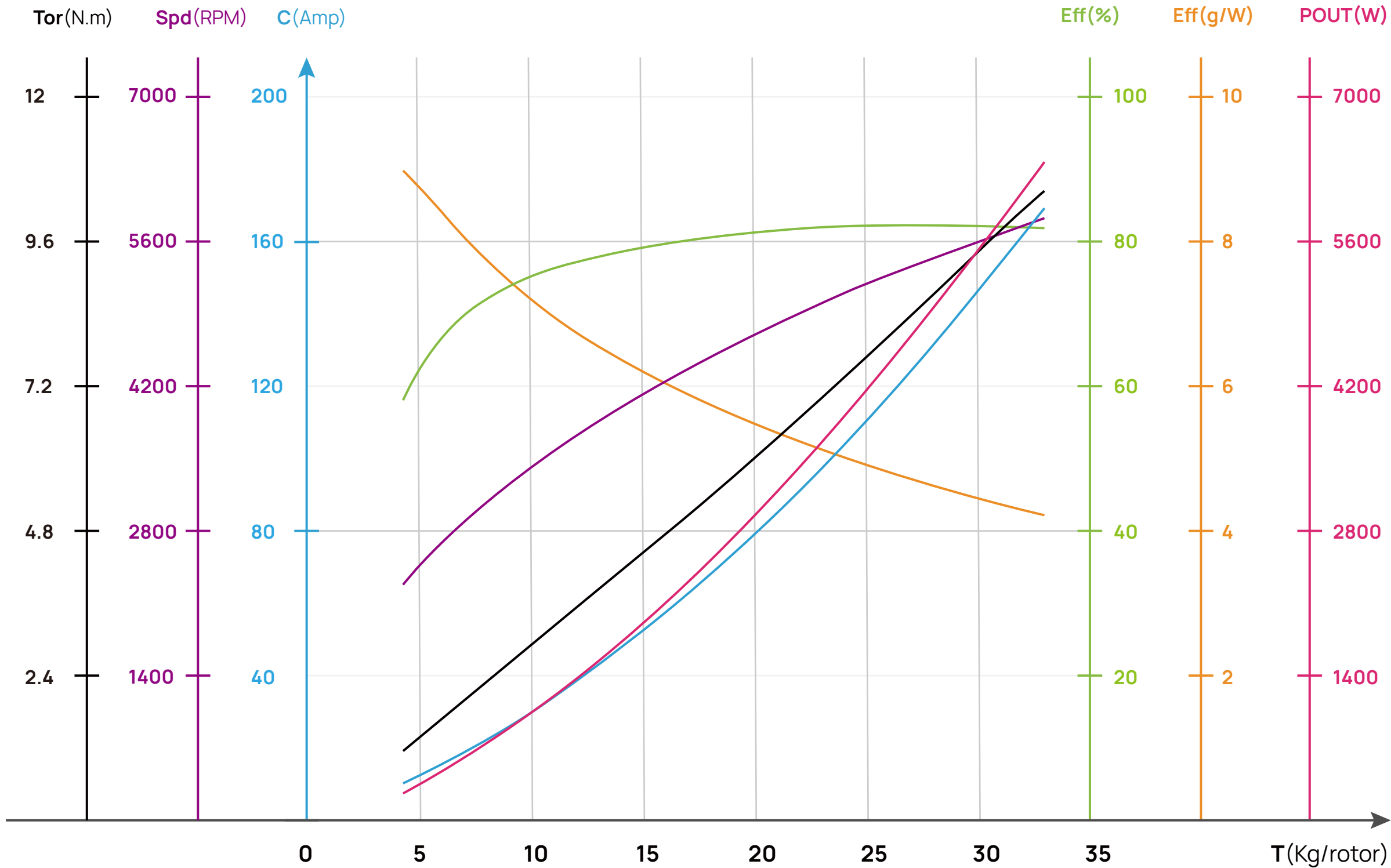
## 负载性能参数

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.

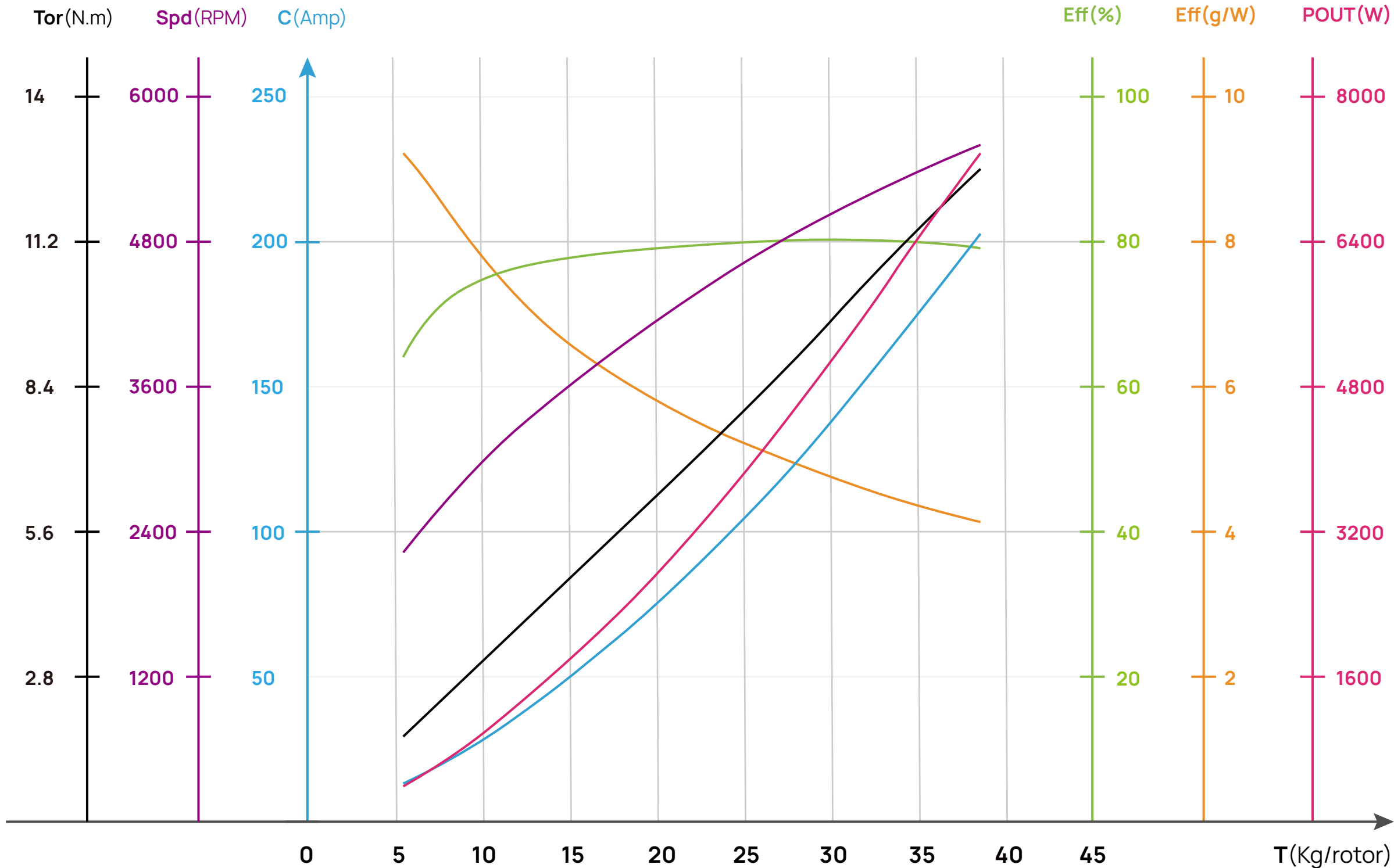
The throttle input is able to adjust the tension, and the motor temperature is the temperature of the rated throttle running for 10 minutes.

160KV+30\*9.8''



| 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)  | ML30*9.8''       | 33%               | 4578            | 11.2             | 514.0                  | 2349             | 8.9                   | 1.25              | 436.9                   | 83.2℃                     |
|                    |                  | 35%               | 5109            | 12.7             | 585.2                  | 2479             | 8.7                   | 1.41              | 497.4                   |                           |
|                    |                  | 37%               | 5667            | 14.4             | 663.9                  | 2608             | 8.5                   | 1.59              | 564.3                   |                           |
|                    |                  | 39%               | 6250            | 16.3             | 750.0                  | 2735             | 8.3                   | 1.77              | 637.5                   |                           |
|                    |                  | 42%               | 7163            | 19.4             | 892.6                  | 2921             | 8.0                   | 2.05              | 758.7                   |                           |
|                    |                  | 45%               | 8119            | 22.8             | 1051.1                 | 3100             | 7.7                   | 2.34              | 893.4                   |                           |
|                    |                  | 48%               | 9113            | 26.6             | 1225.1                 | 3273             | 7.4                   | 2.64              | 1041.3                  |                           |
|                    |                  | 51%               | 10145           | 30.7             | 1414.6                 | 3440             | 7.2                   | 2.96              | 1202.4                  |                           |
|                    |                  | 54%               | 11213           | 35.2             | 1619.9                 | 3602             | 6.9                   | 3.28              | 1376.9                  |                           |
|                    |                  | 57%               | 12318           | 40.0             | 1841.8                 | 3761             | 6.7                   | 3.62              | 1565.5                  |                           |
|                    |                  | 60%               | 13464           | 45.2             | 2081.4                 | 3917             | 6.5                   | 3.97              | 1769.2                  |                           |
|                    |                  | 63%               | 14652           | 50.9             | 2340.2                 | 4072             | 6.3                   | 4.33              | 1989.1                  |                           |
|                    |                  | 66%               | 15885           | 56.9             | 2620.1                 | 4226             | 6.1                   | 4.71              | 2227.1                  |                           |
|                    |                  | 69%               | 17166           | 63.5             | 2923.4                 | 4381             | 5.9                   | 5.11              | 2484.9                  |                           |
|                    |                  | 72%               | 18498           | 70.7             | 3252.9                 | 4535             | 5.7                   | 5.53              | 2764.9                  |                           |
|                    |                  | 75%               | 19884           | 78.5             | 3611.1                 | 4689             | 5.5                   | 5.98              | 3069.5                  |                           |
|                    |                  | 78%               | 21324           | 86.9             | 4001.1                 | 4842             | 5.3                   | 6.45              | 3401.0                  |                           |
|                    |                  | 81%               | 22818           | 96.2             | 4425.5                 | 4992             | 5.2                   | 6.94              | 3761.7                  |                           |
|                    |                  | 84%               | 24366           | 106.2            | 4886.4                 | 5138             | 5.0                   | 7.47              | 4153.4                  |                           |
|                    |                  | 87%               | 25962           | 117.0            | 5384.6                 | 5279             | 4.8                   | 8.02              | 4576.9                  |                           |
|                    |                  | 90%               | 27603           | 128.6            | 5919.7                 | 5414             | 4.7                   | 8.59              | 5031.7                  |                           |
|                    |                  | 100%              | 32977           | 169.5            | 7800.5                 | 5828             | 4.2                   | 10.46             | 6630.4                  |                           |

160KV+32\*10.5"



| 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)  | GP32*10.5"       | 33%               | 5823            | 13.9             | 638.1                  | 2286             | 9.1                   | 1.75              | 542.4                   | 87.1°C                    |
|                    |                  | 35%               | 6480            | 15.8             | 725.4                  | 2406             | 8.9                   | 1.96              | 616.6                   |                           |
|                    |                  | 37%               | 7171            | 17.9             | 823.6                  | 2526             | 8.7                   | 2.18              | 700.1                   |                           |
|                    |                  | 39%               | 7889            | 20.3             | 932.3                  | 2646             | 8.5                   | 2.41              | 792.5                   |                           |
|                    |                  | 42%               | 9009            | 24.2             | 1113.8                 | 2821             | 8.1                   | 2.77              | 946.7                   |                           |
|                    |                  | 45%               | 10170           | 28.6             | 1315.9                 | 2992             | 7.7                   | 3.14              | 1118.5                  |                           |
|                    |                  | 48%               | 11365           | 33.4             | 1536.9                 | 3157             | 7.4                   | 3.53              | 1306.3                  |                           |
|                    |                  | 51%               | 12589           | 38.6             | 1775.8                 | 3317             | 7.1                   | 3.92              | 1509.4                  |                           |
|                    |                  | 54%               | 13841           | 44.2             | 2032.2                 | 3472             | 6.8                   | 4.32              | 1727.4                  |                           |
|                    |                  | 57%               | 15123           | 50.1             | 2306.5                 | 3623             | 6.6                   | 4.72              | 1960.5                  |                           |
|                    |                  | 60%               | 16439           | 56.5             | 2599.5                 | 3772             | 6.3                   | 5.14              | 2209.6                  |                           |
|                    |                  | 63%               | 17793           | 63.3             | 2913.1                 | 3919             | 6.1                   | 5.57              | 2476.1                  |                           |
|                    |                  | 66%               | 19191           | 70.6             | 3249.6                 | 4065             | 5.9                   | 6.01              | 2762.2                  |                           |
|                    |                  | 69%               | 20638           | 78.5             | 3612.0                 | 4210             | 5.7                   | 6.48              | 3070.2                  |                           |
|                    |                  | 72%               | 22140           | 87.0             | 4003.7                 | 4355             | 5.5                   | 6.97              | 3403.2                  |                           |
|                    |                  | 75%               | 23703           | 96.2             | 4428.4                 | 4500             | 5.4                   | 7.48              | 3764.1                  |                           |
|                    |                  | 78%               | 25329           | 106.2            | 4889.8                 | 4645             | 5.2                   | 8.03              | 4156.4                  |                           |
|                    |                  | 81%               | 27020           | 117.1            | 5391.4                 | 4788             | 5.0                   | 8.61              | 4582.7                  |                           |
|                    |                  | 84%               | 28776           | 129.0            | 5935.7                 | 4929             | 4.8                   | 9.22              | 5045.4                  |                           |
|                    |                  | 87%               | 30592           | 141.7            | 6523.8                 | 5066             | 4.7                   | 9.86              | 5545.2                  |                           |
|                    |                  | 90%               | 32463           | 155.4            | 7154.1                 | 5200             | 4.5                   | 10.53             | 6080.9                  |                           |
|                    |                  | 100%              | 38584           | 202.9            | 9340.0                 | 5598             | 4.1                   | 12.59             | 7939.0                  |                           |