



# 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.

| 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>效率 | Torque(N·m)<br>扭矩 | Power Output(W)<br>输出功率 | Temperature(℃)<br>电机机壳温度 |  |
|--------------------|------------------|-------------------|-----------------|------------------|------------------------|------------------|-----------------------|-------------------|-------------------------|--------------------------|--|
| 92V<br>(24S LIPO)  | MV40.1*16"       | 33%               | 8496            | 9.8              | 905.7                  | 1698             | 9.4                   | 4.08              | 724.8                   | 87℃                      |  |
|                    |                  | 35%               | 9526            | 11.4             | 1052.3                 | 1791             | 9.1                   | 4.55              | 852.4                   |                          |  |
|                    |                  | 37%               | 10614           | 13.2             | 1218.7                 | 1885             | 8.7                   | 5.05              | 996.6                   |                          |  |
|                    |                  | 39%               | 11750           | 15.3             | 1404.1                 | 1979             | 8.4                   | 5.58              | 1156.9                  |                          |  |
|                    |                  | 42%               | 13530           | 18.6             | 1715.7                 | 2119             | 7.9                   | 6.43              | 1426.2                  |                          |  |
|                    |                  | 45%               | 15383           | 22.4             | 2065.0                 | 2256             | 7.4                   | 7.31              | 1727.4                  |                          |  |
|                    |                  | 48%               | 17296           | 26.6             | 2449.3                 | 2388             | 7.1                   | 8.23              | 2057.8                  |                          |  |
|                    |                  | 51%               | 19258           | 31.2             | 2867.0                 | 2516             | 6.7                   | 9.17              | 2415.1                  |                          |  |
|                    |                  | 54%               | 21266           | 36.0             | 3317.8                 | 2638             | 6.4                   | 10.13             | 2798.0                  |                          |  |
|                    |                  | 57%               | 23316           | 41.3             | 3802.7                 | 2756             | 6.1                   | 11.11             | 3205.9                  |                          |  |
|                    |                  | 60%               | 25407           | 47.0             | 4324.0                 | 2871             | 5.9                   | 12.11             | 3639.7                  |                          |  |
|                    |                  | 63%               | 27538           | 53.1             | 4885.2                 | 2982             | 5.6                   | 13.13             | 4100.7                  |                          |  |
|                    |                  | 66%               | 29708           | 59.7             | 5490.6                 | 3091             | 5.4                   | 14.18             | 4591.3                  |                          |  |
|                    |                  | 69%               | 31915           | 66.8             | 6145.1                 | 3199             | 5.2                   | 15.27             | 5113.6                  |                          |  |
|                    |                  | 72%               | 34154           | 74.5             | 6853.3                 | 3305             | 5.0                   | 16.38             | 5669.3                  |                          |  |
|                    |                  | 75%               | 36417           | 82.8             | 7618.9                 | 3409             | 4.8                   | 17.53             | 6258.4                  |                          |  |
|                    |                  | 78%               | 38689           | 91.7             | 8443.4                 | 3512             | 4.6                   | 18.70             | 6878.3                  |                          |  |
|                    |                  | 81%               | 40953           | 101.3            | 9324.6                 | 3612             | 4.4                   | 19.89             | 7522.0                  |                          |  |
|                    |                  | 84%               | 43183           | 111.4            | 10254.9                | 3707             | 4.2                   | 21.07             | 8177.0                  |                          |  |
|                    |                  | 87%               | 45346           | 121.9            | 11219.1                | 3795             | 4.0                   | 22.21             | 8825.0                  |                          |  |
| 90%                | 47400            | 132.5             | 162A            | 3875             | 3.9                    | 23.27            | 9441.9                |                   |                         |                          |  |
| 100%               | 52533            | 161.7             | 14878.4         | 4043             | 3.5                    | 25.74            | 10894.9               |                   |                         |                          |  |

