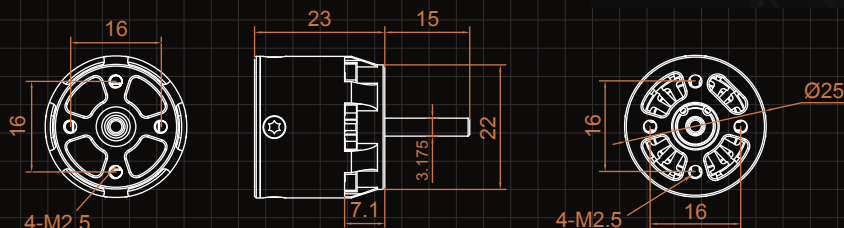


Dimension 尺寸图

Xmotor 2523EG

Small gliders special, e.g. eRES, F5K



Specification 参数

| NAME 型号 | XM2523EG-22 | XM2523EG-28 | XM2523EG-38 |
|----------------------------------|---|---|--|
| SKU 商品编码 | 52164 | 52165 | 52166 |
| RPM / V (KV) KV值 | 2900 | 2300 | 1700 |
| Weight (g) 重量 | | 28.5 | |
| Diameter (mm) 直径 | | D: Front Face 22, body 25 | |
| Length (mm) 长度 | | L: 23, 38 incl. shaft | |
| Diameter of Shaft(mm) 轴径 | | 3.175 hollow | |
| Pitch of holes (mm) 安装孔距 | | 16 / 16 | |
| Input Connectors 输入插头 | | GC2.0 3 Pairs | |
| Slots & Poles 槽数, 极数 | | 12N14P | |
| Io@10V(A)空载电流 | 1.1 | 0.7 | 0.55 |
| Resistance(Ri)(mOhm) 电机内阻 | 80 | 116 | 197 |
| No. of Cells(LiPo) 适用电池 | 2 ^{1..3} | 2 ^{1..3} | 2..3 ¹ |
| Max. EfficiencyCurrent(A) 效率电流 | 10 | 8 | 6.5 |
| Max. Burst Current (15S)[A] 峰值电流 | 19 | 16 | 13 |
| Max. Power(15S)[W] 峰值功率 | 141 | 118 | 144 |
| Torque (mNM) 扭矩 | 79 | 84 | 92 |
| Recommended ESC 推荐调速器 | XC-22-Lite 15° (Middle) | XC-22-Lite 15° (Middle) | XC-12-Lite (15°) |
| Propeller 螺旋桨 | 2S: 5x4,6x3,6x4,7x4 3S: 4x4,4.25x4.25, 5x4 ² ,6x3 ² | 2S: 6x4,7x4,7x5,7x6 ² 3S: 5x4,6x3,6x4 ² 5x4 (3-blade) | 2S: 8x4,8x5,9x5,9x6 ² 3S: 6x4,6x6,7x4 6x4 (3-blade) |
| Applications 适用级别 | Micro Speed / F5K | F5K / eRES | F5K / eRES |

注: ¹ Suggested working voltage(NOC) 建议工作电压(串关节数)

² Good throttle management needed 可在有效控制油门的情况下使用

© 2023 dualsky.com . All rights reserved.

7.4V

XM2523EG-22 (2900KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



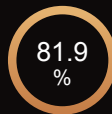
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

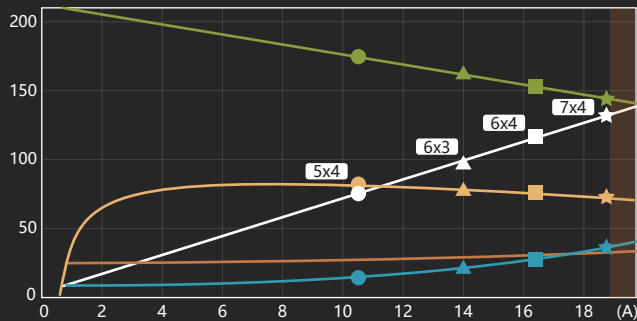
EL.POWER 电功率 [IN 1W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 1W]

MOTOR CASE TEMP.
马达壳体温度 [°C]



Voltage
电压
(V)

Propeller
螺旋桨
(RPM)

Throttle
油门
(%)

Current
电流
(A)

el. Power
输入功率
(W)

Efficiency
效率
(%)

Thrust
静拉力
(g)

Spec. Thrust
螺旋桨效率
(g/W)

7.4V
(2S LIPO)

| Voltage (V) | Propeller (RPM) | Throttle (%) | Current (A) | el. Power (W) | Efficiency (%) | Thrust (g) | Spec. Thrust (g/W) |
|-------------|-----------------|--------------|-------------|---------------|----------------|------------|--------------------|
| 5x4 | | | | | | | |
| 10400 | 56 | 2.3 | 16.8 | 79 | 146 | 8.6 | |
| 11700 | 64 | 3.2 | 23.6 | 80.1 | 184 | 7.8 | |
| 13000 | 72 | 4.4 | 32.2 | 80.7 | 227 | 7.1 | |
| 14300 | 80 | 5.9 | 42.7 | 81 | 275 | 6.4 | |
| 15600 | 89 | 7.7 | 55.4 | 81 | 327 | 5.9 | |
| 17226 | 100 | 10.5 | 75.5 | 80.3 | 399 | 5.3 | |
| 6x3 | | | | | | | |
| 9600 | 54 | 2.8 | 20.7 | 78.6 | 161 | 7.8 | |
| 10800 | 62 | 4 | 29.3 | 79 | 203 | 6.9 | |
| 12000 | 70 | 5.6 | 40.2 | 79 | 251 | 6.2 | |
| 13200 | 78 | 7.5 | 53.7 | 78.7 | 304 | 5.7 | |
| 14400 | 87 | 9.8 | 70.2 | 78.3 | 362 | 5.2 | |
| 16049 | 100 | 14 | 99.2 | 77 | 449 | 4.5 | |
| 6x4 | | | | | | | |
| 8800 | 51 | 3 | 21.6 | 77.4 | 180 | 8.3 | |
| 9900 | 59 | 4.2 | 30.7 | 77.4 | 228 | 7.4 | |
| 12100 | 75 | 7.9 | 56.7 | 76.6 | 340 | 6 | |
| 13200 | 83 | 10.4 | 74.3 | 75.9 | 405 | 5.5 | |
| 14300 | 92 | 13.5 | 95.5 | 75.1 | 475 | 5 | |
| 15176 | 100 | 16.5 | 116.4 | 74 | 535 | 4.6 | |
| 7x4 | | | | | | | |
| 8800 | 52 | 3.6 | 26.2 | 76.3 | 202 | 7.7 | |
| 9900 | 60 | 5.2 | 37.4 | 76.2 | 256 | 6.8 | |
| 11000 | 68 | 7.2 | 51.6 | 75.7 | 316 | 6.1 | |
| 12100 | 77 | 9.7 | 69.3 | 75.1 | 382 | 5.5 | |
| 13200 | 86 | 12.8 | 90.9 | 74.3 | 455 | 5 | |
| 14776 | 100 | 18.8 | 131.3 | 72.5 | 570 | 4.3 | |

11.1V

XM2523EG-22 (2900KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



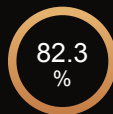
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

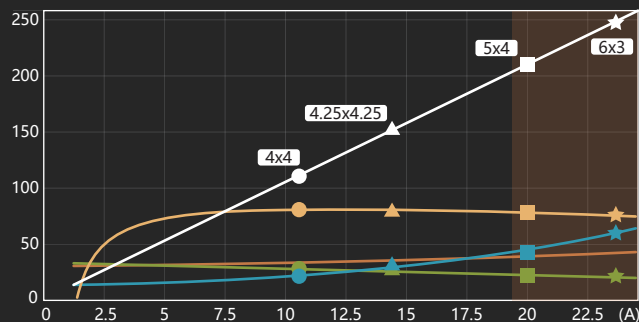
EL.POWER 电功率 [IN 1W] ■

EFFICIENCY 效率 [%] ■

MAX. REVOLUTIONS
转速 [IN 1000RPM] ■

WASTE POWER
损耗功率 [IN 1W] ■

MOTOR CASE TEMP.
马达壳体温度 [°C] ■



Voltage
电压
(V)

Propeller
螺旋桨
(RPM)

Throttle
油门
(%)

Current
电流
(A)

el. Power
输入功率
(W)

Efficiency
效率
(%)

Thrust
静拉力
(g)

Spec. Thrust
螺旋桨效率
(g/W)

11.1V
(3S LIPO)

| Voltage (V) | Propeller (RPM) | Throttle (%) | Current (A) | el. Power (W) | Efficiency (%) | Thrust (g) | Spec. Thrust (g/W) |
|-------------|-----------------|--------------|-------------|------------------|----------------|------------|--------------------|
| | | | | 4x4 | | | |
| 16000 | 55 | 2.3 | 24.8 | 79.9 | 176 | 7.1 | |
| 18000 | 63 | 3.2 | 34.8 | 81.3 | 223 | 6.4 | |
| 20000 | 71 | 4.3 | 47.2 | 82.1 | 276 | 5.8 | |
| 22000 | 78 | 5.7 | 62.4 | 82.7 | 333 | 5.3 | |
| 24000 | 86 | 7.4 | 80.7 | 83 | 397 | 4.9 | |
| 27241 | 100 | 11 | 119.1 | 82.3 | 511 | 4.3 | |
| | | | | 4.25x4.25 | | | |
| 16000 | 57 | 3 | 33 | 81.5 | 225 | 6.8 | |
| 18000 | 65 | 4.3 | 46.5 | 82.3 | 284 | 6.1 | |
| 20000 | 73 | 5.8 | 63.5 | 82.7 | 351 | 5.5 | |
| 22000 | 81 | 7.8 | 84.4 | 82.8 | 425 | 5 | |
| 24000 | 90 | 10.2 | 109.6 | 82.7 | 506 | 4.6 | |
| 26290 | 100 | 13.7 | 146.5 | 81.6 | 607 | 4.1 | |
| | | | | 5x4 | | | |
| 14400 | 54 | 4 | 43.6 | 81 | 279 | 6.4 | |
| 16200 | 62 | 5.7 | 62.1 | 81 | 353 | 5.7 | |
| 18000 | 70 | 7.9 | 85.5 | 80.6 | 436 | 5.1 | |
| 19800 | 78 | 10.7 | 114.5 | 80.1 | 527 | 4.6 | |
| 21600 | 87 | 14.1 | 149.9 | 79.5 | 628 | 4.2 | |
| 23987 | 100 | 20.1 | 211.1 | 77.8 | 774 | 3.7 | |
| | | | | 6x3 | | | |
| 12800 | 53 | 4.8 | 48.9 | 78.9 | 286 | 5.8 | |
| 14400 | 60 | 6.9 | 69.9 | 78.5 | 362 | 5.2 | |
| 16000 | 68 | 9.6 | 96.7 | 77.9 | 446 | 4.6 | |
| 17600 | 76 | 13 | 129.9 | 77.2 | 540 | 4.2 | |
| 19200 | 85 | 17.3 | 170.6 | 76.3 | 643 | 3.8 | |
| 21129 | 100 | 24.1 | 234.6 | 74.5 | 778 | 3.3 | |

7.4V

XM2523EG-28 (2300KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



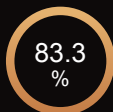
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

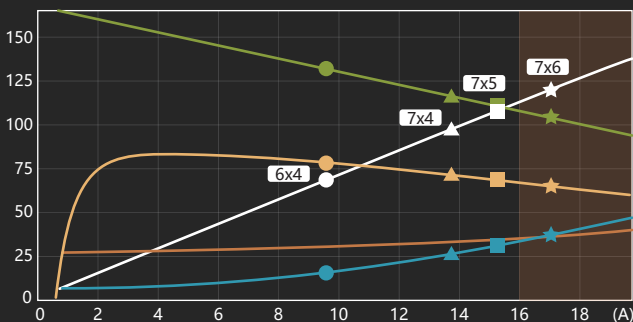
EL.POWER 电功率 [IN 1W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 1W]

MOTOR CASE TEMP.
马达壳体温度 [°C]



Voltage
电压
(V)

Propeller
螺旋桨
(RPM)

Throttle
油门
(%)

Current
电流
(A)

el. Power
输入功率
(W)

Efficiency
效率
(%)

Thrust
静拉力
(g)

Spec. Thrust
螺旋桨效率
(g/W)

7.4V
(2S LIPO)

| Voltage (V) | Propeller (RPM) | Throttle (%) | Current (A) | el. Power (W) | Efficiency (%) | Thrust (g) | Spec. Thrust (g/W) |
|-------------|-----------------|--------------|-------------|---------------|----------------|------------|--------------------|
| 6x4 | | | | | | | |
| 8000 | 56 | 56 | 2.1 | 15.6 | 80.2 | 149 | 9.5 |
| 9000 | 64 | 64 | 3 | 22.2 | 80.4 | 188 | 8.5 |
| 10000 | 73 | 73 | 4.2 | 30.5 | 80.3 | 232 | 7.6 |
| 11000 | 81 | 81 | 5.6 | 40.8 | 79.9 | 281 | 6.9 |
| 12000 | 90 | 90 | 7.4 | 53.4 | 79.4 | 335 | 6.3 |
| 13055 | 100 | 100 | 9.7 | 69.9 | 78.3 | 396 | 5.7 |
| 7x4 | | | | | | | |
| 7200 | 55 | 55 | 3 | 22.1 | 76.6 | 191 | 8.6 |
| 8000 | 62 | 62 | 4.2 | 30.7 | 75.9 | 236 | 7.7 |
| 8800 | 70 | 70 | 5.7 | 41.3 | 75 | 286 | 6.9 |
| 9600 | 78 | 78 | 7.5 | 54.3 | 74.1 | 340 | 6.3 |
| 10400 | 87 | 87 | 9.8 | 69.9 | 73.1 | 399 | 5.7 |
| 11559 | 100 | 100 | 13.9 | 98.9 | 71.2 | 493 | 5 |
| 7x5 | | | | | | | |
| 6400 | 50 | 50 | 2.7 | 19.9 | 75 | 189 | 9.5 |
| 7200 | 58 | 58 | 3.9 | 28.6 | 74.1 | 239 | 8.4 |
| 8800 | 74 | 74 | 7.5 | 53.9 | 71.8 | 357 | 6.6 |
| 9600 | 83 | 83 | 10 | 71.2 | 70.6 | 425 | 6 |
| 10400 | 93 | 93 | 13 | 92.1 | 69.3 | 499 | 5.4 |
| 10962 | 100 | 100 | 15.6 | 110.2 | 68.1 | 554 | 5 |
| 7x6 | | | | | | | |
| 6400 | 52 | 52 | 3.4 | 24.7 | 72.3 | 227 | 9.2 |
| 7200 | 60 | 60 | 4.9 | 35.7 | 71.3 | 287 | 8 |
| 8000 | 69 | 69 | 6.9 | 49.8 | 70.1 | 354 | 7.1 |
| 8800 | 78 | 78 | 9.5 | 67.5 | 68.7 | 429 | 6.3 |
| 9600 | 88 | 88 | 12.6 | 89.5 | 67.4 | 510 | 5.7 |
| 10508 | 100 | 100 | 17.3 | 121.3 | 65.5 | 611 | 5 |

11.1V

XM2523EG-28 (2300KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



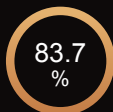
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

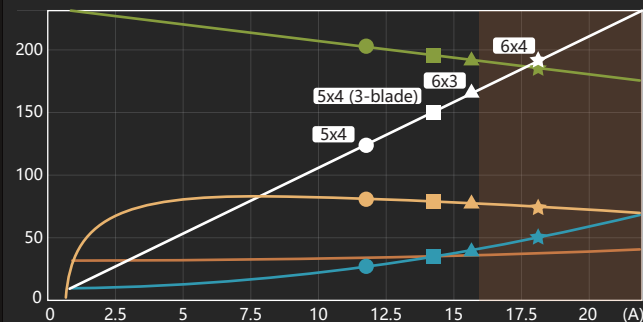
EL.POWER 电功率 [IN 1W] ■

EFFICIENCY 效率 [%] ■

MAX. REVOLUTIONS
转速 [IN 100RPM] ■

WASTE POWER
损耗功率 [IN 1W] ■

MOTOR CASE TEMP.
马达壳体温度 [°C] ■



| Voltage 电压 (V) | Propeller 螺旋桨 (RPM) | Throttle 油门 (%) | Current 电流 (A) | el. Power 输入功率 (W) | Efficiency 效率 (%) | Thrust 静拉力 (g) | Spec. Thrust 螺旋桨效率 (g/W) |
|----------------------|---------------------------|-----------------------|----------------------|--------------------------|-------------------------|----------------------|--------------------------------|
| 5x4 | | | | | | | |
| 12000 | 54 | 54 | 2.2 | 24.6 | 82.9 | 194 | 7.9 |
| 13500 | 62 | 62 | 3.2 | 34.9 | 83.3 | 245 | 7 |
| 15000 | 69 | 69 | 4.4 | 47.9 | 83.3 | 303 | 6.3 |
| 16500 | 77 | 77 | 5.9 | 63.9 | 83.1 | 366 | 5.7 |
| 18000 | 86 | 86 | 7.7 | 83.3 | 82.8 | 436 | 5.2 |
| 20459 | 100 | 100 | 11.6 | 125 | 81.4 | 563 | 4.5 |
| 5x4 (3-blade) | | | | | | | |
| 11200 | 52 | 52 | 2.5 | 28 | 82.2 | 215 | 7.7 |
| 12600 | 59 | 59 | 3.6 | 39.8 | 82.1 | 272 | 6.8 |
| 14000 | 67 | 67 | 5 | 54.9 | 81.8 | 336 | 6.1 |
| 16800 | 83 | 83 | 8.9 | 96.1 | 80.7 | 484 | 5 |
| 18200 | 92 | 92 | 11.5 | 123.2 | 80 | 568 | 4.6 |
| 19441 | 100 | 100 | 14.4 | 153.4 | 78.7 | 649 | 4.2 |
| 6x3 | | | | | | | |
| 11200 | 53 | 53 | 2.9 | 32 | 80.7 | 219 | 6.8 |
| 12600 | 60 | 60 | 4.2 | 45.6 | 80.7 | 277 | 6.1 |
| 14000 | 68 | 68 | 5.8 | 62.8 | 80.3 | 342 | 5.4 |
| 15400 | 76 | 76 | 7.8 | 84.1 | 79.8 | 414 | 4.9 |
| 16800 | 85 | 85 | 10.2 | 110.1 | 79.2 | 492 | 4.5 |
| 19087 | 100 | 100 | 15.6 | 166.5 | 77.3 | 635 | 3.8 |
| 6x4 | | | | | | | |
| 10400 | 50 | 50 | 3.1 | 34.4 | 80.2 | 251 | 7.3 |
| 11700 | 58 | 58 | 4.5 | 49.4 | 79.5 | 318 | 6.4 |
| 14300 | 74 | 74 | 8.5 | 92.1 | 77.8 | 475 | 5.2 |
| 15600 | 83 | 83 | 11.3 | 121.1 | 76.8 | 566 | 4.7 |
| 16900 | 92 | 92 | 14.7 | 156.1 | 75.8 | 664 | 4.3 |
| 17990 | 100 | 100 | 18.3 | 193.1 | 74.4 | 752 | 3.9 |

11.1V
(3S LIPO)

7.4V

XM2523EG-38 (1700KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



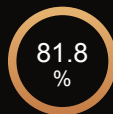
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

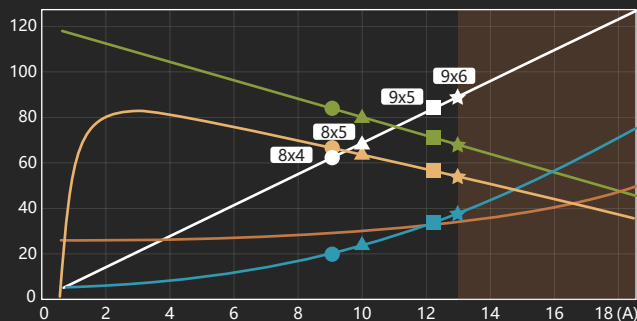
EL.POWER 电功率 [IN 1W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 1W]

MOTOR CASE TEMP.
马达壳体温度 [°C]

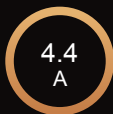


| Voltage 电压 (V) | Propeller 螺旋桨 (RPM) | Throttle 油门 (%) | Current 电流 (A) | el. Power 输入功率 (W) | Efficiency 效率 (%) | Thrust 静拉力 (g) | Spec. Thrust 螺旋桨效率 (g/W) |
|----------------------|---------------------------|-----------------------|----------------------|--------------------------|-------------------------|----------------------|--------------------------------|
| 7.4V (2S LIPO) | 8x4 | | | | | | |
| | 4800 | 50 | 1.6 | 11.6 | 74.3 | 119 | 10.3 |
| | 5400 | 58 | 2.3 | 16.7 | 73.8 | 151 | 9.1 |
| | 6600 | 74 | 4.3 | 31.2 | 72 | 226 | 7.2 |
| | 7200 | 83 | 5.7 | 41.1 | 71 | 269 | 6.5 |
| | 7800 | 92 | 7.4 | 53.1 | 69.9 | 315 | 5.9 |
| | 8285 | 100 | 9.1 | 65 | 68.6 | 356 | 5.5 |
| | 8x5 | | | | | | |
| | 4800 | 53 | 2 | 14.8 | 72.1 | 159 | 10.7 |
| | 5400 | 61 | 3 | 21.4 | 71.1 | 201 | 9.4 |
| | 6000 | 70 | 4.2 | 29.9 | 69.9 | 248 | 8.3 |
| | 6600 | 79 | 5.7 | 40.6 | 68.7 | 300 | 7.4 |
| | 7200 | 89 | 7.5 | 53.7 | 67.3 | 357 | 6.6 |
| | 7854 | 100 | 10.1 | 71.9 | 65.5 | 425 | 5.9 |
| 9x5 | | | | | | | |
| 4500 | 55 | 3 | 21.4 | 66 | 199 | 9.3 | |
| 5000 | 63 | 4.2 | 30.1 | 64.5 | 245 | 8.1 | |
| 5500 | 72 | 5.8 | 41.1 | 62.9 | 297 | 7.2 | |
| 6000 | 82 | 7.7 | 54.7 | 61.3 | 353 | 6.5 | |
| 6500 | 92 | 10.1 | 71.3 | 59.7 | 414 | 5.8 | |
| 6882 | 100 | 12.4 | 87.1 | 58.3 | 465 | 5.3 | |
| 9x6 | | | | | | | |
| 4000 | 50 | 2.6 | 18.8 | 63.3 | 188 | 10 | |
| 4500 | 59 | 3.8 | 27.4 | 61.9 | 238 | 8.7 | |
| 5000 | 68 | 5.4 | 38.6 | 60.3 | 294 | 7.6 | |
| 5500 | 78 | 7.5 | 52.8 | 58.6 | 356 | 6.7 | |
| 6000 | 88 | 10 | 70.5 | 57 | 424 | 6 | |
| 6508 | 100 | 13.4 | 93.6 | 55.1 | 498 | 5.3 | |

11.1V

XM2523EG-38 (1700KV)

Motor @ Optimum Efficiency 优化效率点



Current
电流



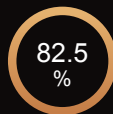
Revolutions
转速



electric Power
电功率



mech. Power
机械功率



Efficiency
效率

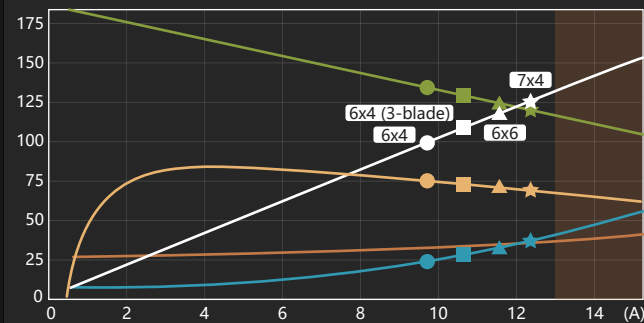
EL.POWER 电功率 [IN 1W]

EFFICIENCY 效率 [%]

MAX. REVOLUTIONS
转速 [IN 100RPM]

WASTE POWER
损耗功率 [IN 1W]

MOTOR CASE TEMP.
马达壳体温度 [°C]



| Voltage 电压 (V) | Propeller 螺旋桨 (RPM) | Throttle 油门 (%) | Current 电流 (A) | el. Power 输入功率 (W) | Efficiency 效率 (%) | Thrust 静拉力 (g) | Spec. Thrust 螺旋桨效率 (g/W) |
|----------------------|---------------------------|-----------------------|----------------------|--------------------------|-------------------------|----------------------|--------------------------------|
| 6x4 | | | | | | | |
| 8800 | 56 | 1.9 | 20.7 | 80.9 | 180 | 8.7 | |
| 9900 | 64 | 2.7 | 29.4 | 80.8 | 228 | 7.7 | |
| 11000 | 72 | 3.7 | 40.5 | 80.5 | 281 | 6.9 | |
| 12100 | 81 | 5 | 54.3 | 80 | 340 | 6.3 | |
| 13200 | 89 | 6.6 | 71 | 79.4 | 405 | 5.7 | |
| 14424 | 100 | 8.8 | 94.9 | 78 | 484 | 5.1 | |
| 6x4 (3-blade) | | | | | | | |
| 8000 | 52 | 2 | 21.9 | 79.4 | 190 | 8.7 | |
| 9000 | 60 | 2.9 | 31.3 | 79 | 240 | 7.7 | |
| 10000 | 68 | 4 | 43.3 | 78.4 | 297 | 6.9 | |
| 11000 | 76 | 5.4 | 58.2 | 77.6 | 359 | 6.2 | |
| 12000 | 85 | 7.1 | 76.4 | 76.7 | 427 | 5.6 | |
| 13584 | 100 | 10.7 | 114.6 | 74.6 | 547 | 4.8 | |
| 6x6 | | | | | | | |
| 8000 | 53 | 2.2 | 24.5 | 77 | 223 | 9.1 | |
| 9000 | 61 | 3.2 | 34.9 | 76.8 | 282 | 8.1 | |
| 10000 | 69 | 4.4 | 48.2 | 76.3 | 349 | 7.2 | |
| 11000 | 78 | 6 | 64.7 | 75.6 | 422 | 6.5 | |
| 12000 | 87 | 7.9 | 84.9 | 74.8 | 502 | 5.9 | |
| 13350 | 100 | 11.4 | 121.1 | 72.8 | 621 | 5.1 | |
| 7x4 | | | | | | | |
| 8100 | 56 | 2.9 | 31.4 | 76.9 | 242 | 7.7 | |
| 9000 | 64 | 4 | 43.6 | 76 | 299 | 6.9 | |
| 9900 | 72 | 5.4 | 58.7 | 75 | 362 | 6.2 | |
| 10800 | 80 | 7.2 | 77.3 | 74 | 431 | 5.6 | |
| 11700 | 89 | 9.3 | 99.8 | 72.9 | 505 | 5.1 | |
| 12759 | 100 | 12.6 | 133.8 | 71 | 601 | 4.5 | |

11.1V
(3S LIPO)