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| Motor | LightFlight Ultimate Production Motor (Black) 28-37-4: 80g 4T short (~1800Kv?) 20A/170W max. PH 45 ESC 4.19.07 |
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Temperatures 35°C from: Rear windings (same temp. as black casing).

2s pack = 2s Enerland 5000 (10C)

3s pack = 3s Enerland 6000 (15C/20C)

From LightFlight: Kv = 1800Kv, Io = 0.7A @ 12v, Rm = ?

4.22.07 No-load: with 1/64" ply pseudo-prop.

6v, 0.45A, 11160 rpm Peak Effic. Calc.: 1890Kv, Rm = 0.158 ohms

8v, 0.50A, 14880 rpm

10v, 0.55A, 18630 rpm

12v, 0.60A, 22260 rpm

| Prop | Volts | Amps | Watts | RPM | Pitch Speed (mph) | Thrust (g) | Thrust (oz) | g/W |
|----------------------------|-------|-------|-------|-------|-------------------|------------|-------------|------|
| Direct Drive | | | | | | | | |
| 5.1x4.9 Zagi Carbon | | | | | | | | |
| 30°C Set on PS: 7v | 6.9 | 4.80 | 33 | 11760 | 54.6 | 194 | 6.83 | 5.88 |
| 8v | 7.9 | 6.00 | 47 | 13260 | 61.5 | 249 | 8.77 | 5.30 |
| 9v | 8.9 | 7.25 | 64 | 14670 | 68.1 | 304 | 10.70 | 4.75 |
| 10v | 9.9 | 8.80 | 87 | 16080 | 74.6 | 369 | 12.99 | 4.24 |
| 172mAh, 34°C:11v | 10.9 | 10.25 | 111 | 17340 | 80.5 | 432 | 15.21 | 3.89 |
| +82mAh, 38°C:14.0v | 13.7 | 15.10 | 207 | 21000 | 97.4 | 642 | 22.61 | 3.10 |
| 14.7v | 14.6 | 16.50 | 239 | 21930 | 101.8 | 696 | 24.51 | 2.91 |
| 5.25x6.25 APC E | | | | | | | | |
| 34°C Set on PS: 7v | 6.9 | 7.50 | 52 | 11070 | 65.5 | 171 | 6.02 | 3.29 |
| 8v | 7.9 | 9.10 | 72 | 12360 | 73.2 | 208 | 7.32 | 2.89 |
| 9v | 8.9 | 11.10 | 98 | 13530 | 80.1 | 257 | 9.05 | 2.62 |
| 10v | 9.9 | 13.00 | 127 | 14670 | 86.8 | 303 | 10.67 | 2.39 |
| 184mAh, 40°C:11v | 10.9 | 15.20 | 164 | 15720 | 93.0 | 349 | 12.29 | 2.13 |
| 6x5.5 APC E | | | | | | | | |
| 32°C Set on PS: 7v | 6.9 | 8.75 | 60 | 10650 | 55.5 | 252 | 8.87 | 4.20 |
| 8v | 7.9 | 10.40 | 82 | 11940 | 62.2 | 324 | 11.41 | 3.95 |
| 9v | 8.9 | 12.20 | 107 | 13140 | 68.4 | 393 | 13.84 | 3.67 |
| 10v | 9.8 | 14.20 | 139 | 14280 | 74.4 | 464 | 16.34 | 3.34 |
| 215mAh, 42°C:11v | 10.8 | 16.45 | 177 | 15270 | 79.5 | 543 | 19.12 | 3.07 |
| 7x7 APC Sport | | | | | | | | |
| 34°C 3s 6000: 12.4v | 11.2 | 24.60 | 271 | 12960 | 85.9 | 744 | 26.20 | 2.75 |
| dropping | | 23.00 | 253 | 12660 | 83.9 | 698 | 24.58 | 2.76 |
| 285mAh, 85°C: dropping | | 22.20 | 244 | 12510 | 82.9 | 676 | 23.80 | 2.77 |