

|              |                                                                         |
|--------------|-------------------------------------------------------------------------|
| <b>Motor</b> | <b>2820/06: 1000Kv: 131g: 15A-25A, 37A/60sec max 4.11.07, PH 45 ESC</b> |
|--------------|-------------------------------------------------------------------------|

Temperatures (52°C) from Rear mount plate

No-load:

7.0v, 1.60A, 6720 rpm

8.0v, 1.70A, 7680 rpm

10.0v, 1.90A, 9600 rpm

**Peak Effic. Calc: Kv: ~999Kv, Rm: ~ 0.094 ohms**

| Prop                      | Volts | Amps  | Watts | RPM  | Pitch Speed (mph) | Thrust (g) | Thrust (oz) | g/W  |
|---------------------------|-------|-------|-------|------|-------------------|------------|-------------|------|
| <b>9x5 GWS HD</b>         |       |       |       |      |                   |            |             |      |
| Motor 25°C: Set on PS: 7v | 6.9   | 7.05  | 49    | 6390 | 30.3              | 400        | 14.09       | 8.16 |
| 8v                        | 7.9   | 8.60  | 68    | 7200 | 34.1              | 513        | 18.06       | 7.54 |
| 9v                        | 8.9   | 10.25 | 91    | 7980 | 37.8              | 637        | 22.43       | 7.00 |
| 10v                       | 9.8   | 12.15 | 119   | 8760 | 41.5              | 774        | 27.25       | 6.50 |
| 179mAh, 33°C: 11v         | 10.8  | 14.00 | 150   | 9480 | 44.9              | 908        | 31.97       | 6.05 |
| <b>10x6 GWS HD</b>        |       |       |       |      |                   |            |             |      |
| Motor 29°C: Set on PS: 7v | 6.9   | 9.60  | 66    | 6120 | 34.8              | 523        | 18.42       | 7.92 |
| 8v                        | 7.9   | 11.80 | 92    | 6900 | 39.2              | 661        | 23.28       | 7.19 |
| 9v                        | 8.9   | 14.15 | 124   | 7590 | 43.1              | 810        | 28.52       | 6.53 |
| 10v                       | 9.8   | 16.75 | 163   | 8310 | 47.2              | 975        | 34.33       | 5.98 |
| 248mAh, 36°C: 11v         | 10.7  | 19.40 | 209   | 8970 | 51.0              | 1145       | 40.32       | 5.48 |
| <b>11x7 GWS HD</b>        |       |       |       |      |                   |            |             |      |
| Motor 34°C: Set on PS: 7v | 6.8   | 13.80 | 94    | 5730 | 38.0              | 733        | 25.81       | 7.80 |
| 8v                        | 7.8   | 17.00 | 132   | 6420 | 42.6              | 924        | 32.54       | 7.00 |
| 9v                        | 8.7   | 20.20 | 175   | 7020 | 46.5              | 1106       | 38.94       | 6.32 |
| 10v                       | x     |       |       |      |                   |            |             |      |
| 11v                       | x     |       |       |      |                   |            |             |      |
| 3s 6000 Enerland: 12.1v   | 10.9  | 27.90 | 301   | 8280 | 54.9              | 1561       | 54.97       | 5.19 |
| <b>11x5.5 GWS HD</b>      |       |       |       |      |                   |            |             |      |
| 3s 6000 Enerland: 12.1v   | 11.0  | 24.80 | 272   | 8670 | 45.2              | 1478       | 52.04       | 5.43 |
| <b>11x7 APC E</b>         |       |       |       |      |                   |            |             |      |
| 3s 6000 Enerland: 12.1v   | 10.9  | 29.10 | 314   | 8100 | 53.7              | 1466       | 51.62       | 4.67 |
| <b>12x6 APC E</b>         |       |       |       |      |                   |            |             |      |
| 3s 6000 Enerland: 11.9v   | 10.8  | 30.70 | 329   | 7890 | 44.8              | 1718       | 60.49       | 5.22 |
| <b>12x8 GWS HD</b>        |       |       |       |      |                   |            |             |      |
| 3s 6000 Enerland: 12.1v   | 10.6  | 34.50 | 364   | 7410 | 56.1              | 1769       | 62.29       | 4.86 |

# 2820/06 @10.9 volts

