Motor	LightFlight Ultimate Production Motor (Black) 28-37-2: 83g 2T short (~3750Kv?) 30A/250W max. PH 45 ESC 4.22.07

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 = 3750Kv, Io = 0.A @ 12v, Rm = ?

4.22.07 **No-load:** with 1/64" ply pseudo-prop.
6v, 1.05A, 22710 rpm **Peak Effic. Calc.: 3700Kv, Rm = 0.057 ohms**
8v, 1.10A, 30300 rpm
10v, 1.20A, 37890 rpm
12v, 1.35A, 46020 rpm

Prop	Volts	Amps	Watts	RPM	Pitch Speed (mph)	Thrust (g)	Thrust (oz)	g/W
Direct Drive								
4.1x4.1 APC E								
Motor 30°C, 3s 6000, 12.4v	11.0	33.20	363	33690	130.8	685	24.12	1.89
168mAh (~18.0 seconds), 39°C:								
4.2x4 APC E								
Motor 36°C, 3s 6000, 12.3v	11.0	34.60	378	33450	126.7	653	22.99	1.73
139mAh (~14.5 seconds), 44°C:								
4.5x4.1 APC E								
Motor 39°C, 3s 6000, 12.2v	10.7	41.60	444	30810	119.6	812	28.59	1.83
173mAh (~15.0 seconds), 49°C:								

Motor	LightFlight Production Motors 28mm: 83g (103g with TM 2800): 2T short (~3900Kv?) 30A/250W max. PH 45 ESC 2.08.07

Temperatures 35°C /42°C /25°C from: Rear windings/Black patch/Shiny casing.
2s pack = 2s Enerland 5000 (10C)
3s pack = 3s Enerland 6000 (15C/20C)

From LightFlight: Kv = 3900Kv, Io = 1.7A @ 12v, Rm = ?

No-load data:
7.005v, 2.05A, 26970 rpm
8.055v, 2.21A, 31140 rpm
10.005v, 2.51A, 38760 rpm

Peak Effic. Calc: Kv = 3920Kv, Rm = 0.07 ohms

Prop	Volts	Amps	Watts	RPM	Pitch Speed (mph)	Thrust (g)	Thrust (oz)	g/W
Geared 3.167:1 (76T/24T)								
8x4 GWS HD								
Motor 23°C: Set on PS: 7v	6.9	7.50	52	7980	30.2	338	11.90	6.50
8v	7.9	9.00	71	9030	34.2	436	15.35	6.14
9v	8.9	11.10	99	10110	38.3	555	19.54	5.61
10v	9.9	13.25	130	11070	41.9	670	23.59	5.15
250mAh, 35°C /42°C /25°C:11v	10.9	15.70	170	12120	45.9	810	28.52	4.77
8x4 APC E								
30°C/35°C /24°C Set on PS: 7v	6.9	9.50	65	7860	29.8	397	13.98	6.11
8v	7.9	11.20	89	8940	33.9	520	18.31	5.84
9v	8.9	13.70	121	9900	37.5	648	22.82	5.36
10v	9.9	16.85	165	10860	41.1	790	27.82	4.79
309mAh, 38°C/47°C /25°C:11v	10.9	19.70	213	11760	44.5	929	32.71	4.36
8x8 APC E								
33°C/38°C /25°C 2s 8.3v	7.6	19.70	150	7860	59.5	544	19.16	3.63
3s 12.5v	10.9	35.00	380	10350	78.4	959	33.77	2.52
177mAh at 3s, 42°C/50°C /28°C:								
9x5 GWS HD								
36°C/43°C /25°C 2s 8.3v	7.7	15.70	121	8370	39.6	725	25.53	5.99
3s 12.3v	11.2	28.50	321	11250	53.3	1374	48.38	4.28
141mAh at 3s, 42°C/50°C /28°C:								
10x6 GWS HD								
27°C/32°C /23°C 2s 8.3v	7.6	20.20	152	7770	44.1	870	30.63	5.72
3s 12.3v	10.9	36.90	387	10200	58.0	1530	53.87	3.95
198mAh at 3s, 42°C/50°C /25°C:								
444mAh at 3s, 54°C/62°C /26°C:								