

Motor	Suppo A2204/14: 1400Kv: 19g: 2-6A/7.5A max. 9.10.07, PH 25A ESC
-------	---

Temperatures (52°C) from Rear mount plate: Suppo data - Io = 0.3A, Rm = 0.55 Ω

No load: 9.25.07

7v: 0.50A, 10380rpm

8v: 0.60A, 11850rpm

10v: 0.65A, 14850rpm

Peak Effic. calculates: Rm = ~0.42-0.46 Ω, Kv = ~1560-1580Kv

Prop	Volts	Amps	Watts	RPM	Pitch Speed (mph)	Thrust (g)	Thrust (oz)	g/W
<b>6x5.5 GWS HD</b> 9.25.07								
Motor 23°C: Set on PS: 7v	7.0	4.40	30	8010	41.7	133	4.68	4.43
7.5v	7.4	4.80	35	8400	43.8	147	5.18	4.20
8v	7.9	5.20	42	8880	46.3	166	5.85	3.95
9v	8.9	6.10	54	9660	50.3	202	7.11	3.74
10v	9.9	7.00	69	10470	54.5	239	8.42	3.46
11v	10.9	7.90	85	11220	58.4	280	9.86	3.29
141mAh, 43°C: 11.2v	11.1	8.05	89	11430	59.5	286	10.07	3.21
<b>7x3.5 GWS HD</b>								
Motor 21°C: Set on PS: 7v	7.0	3.10	22	8880	29.4	157	5.53	7.14
7.5v	7.4	3.30	25	9300	30.8	182	6.41	7.28
8v	7.9	3.75	30	9900	32.8	204	7.18	6.80
9v	8.9	4.40	39	10890	36.1	251	8.84	6.44
10v	9.9	5.10	51	11790	39.1	297	10.46	5.82
86mAh, 35°C: 11v	10.9	5.85	63	12600	41.8	348	12.25	5.52
11.2v	11.1	6.00	66	12750	42.3	365	12.85	5.53
<b>7x4 APC SF</b> 9.25.07								
Motor 26°C: Set on PS: 7v	7.0	4.90	34	7680	29.1	232	8.17	6.82
7.5v	7.4	5.40	39	8010	30.3	257	9.05	6.59
8v	7.9	5.90	47	8430	31.9	285	10.04	6.06
9v	8.9	6.95	61	9090	34.4	334	11.76	5.48
10v	9.9	8.10	80	9690	36.7	388	13.66	4.85
86mAh, 35°C: 11v	10.9	9.20	99	10170	38.5	438	15.42	4.42
11.2v	11.1	9.50	106	10290	39.0	450	15.85	4.25
<b>7x5 APC E</b>								
Motor 36°C: Set on PS: 7v	6.9	5.65	39	7230	34.2	230	8.10	5.90
8v	7.9	6.70	53	7920	37.5	277	9.75	5.23
9v	8.9	7.75	69	8580	40.6	331	11.66	4.80
10v	9.9	8.80	87	9180	43.5	377	13.28	4.33
118mAh, 52°C: 11v	10.9	10.00	107	9570	45.3	428	15.07	4.00

Motor	Suppo A2204/14: 1400Kv: 19g: 2-6A/7.5A max. 9.10.07, PH 25A ESC
-------	---

Temperatures (52°C) from Rear mount plate: Suppo data -  $I_o = 0.3A$ ,  $R_m = 0.55 \Omega$

No load: 9.25.07

7v: 0.50A, 10380rpm

Peak Effic. calculates:  $R_m = \sim 0.42-0.46 \Omega$ ,  $K_v = \sim 1560-1580Kv$

8v: 0.60A, 11850rpm

10v: 0.65A, 14850rpm

Prop	Volts	Amps	Watts	RPM	Pitch Speed (mph)	Thrust (g)	Thrust (oz)	g/W
<b>8x4 GWS HD</b>								
Motor 32°C: Set on PS: 7v	6.9	5.40	38	7380	28.0	281	9.89	7.40
55mAh, 33°C: 7.5v	7.4	5.90	44	7740	29.3	310	10.92	7.05
9v	x							
10v	x							
+50mAh, to 55°C: 11.2v	11.1	9.70	107	9870	37.4	523	18.42	4.89



# Suppo 2204/14 @7.0 volts

Motor Pin (W)

