

Work Area:											
Motor Data Sheet Info	Wt. grams	Kv	Idle Current Io	Motor Resistance	Amps In Max Con.	Watts In Max Con.	Rec Min # of Cells	Rec Max # of Cells	Stator Arms	Rotor Poles	
Emax 1407/3300	13.6	3300	0.90	148m	17.7	280	2	4	9	12	

Assumed Idle Factors	Av Volts In	Idle I	Resistance	Watts
2C	7.4	0.9	0.148	6.66
3C	11.1	0.9	0.148	9.99

Work Area:											
Propellor Data Sheet Info	Mfg Name	Diameter	Pitch	# of Cells	Voltage	Motor Amps In	Watts In	Prop RPM	Thrust Grams	Kv	RE
1 Emax 1407/3300	Gemfan EP	5.0	3.0	2	7.76	7.4	57.42	16825	269	2168	293
2 Emax 1407/3300	Gemfan EP	6.0	3.0	2	7.67	9.39	72.02	14446	326	1883	201
3 Emax 1407/3300	Gemfan LR	7.0	3.5	2	7.44	13.53	100.66	9361	342	1258	93
4 Emax 1407/3300	APC E	5.0	5.0	2	7.58	10.46	79.29	12422	156	1639	157
5 Emax 1407/3300	APC E	5.1	4.5	2	7.77	11.58	89.98	11974	250	1541	133
6 Emax 1407/3300	Gemfan EP	5.0	3.0	3	11.58	12.33	142.78	22010	467	1901	154
7 Emax 1407/3300	Gemfan EP	6.0	3.0	3	11.42	15.05	171.87	18419	550	1613	107
8 Emax 1407/3300	APC E	5.0	5.0	3	11.86	17.32	205.42	15922	266	1342	78
9 Emax 1407/3300	APC E	5.1	4.5	3	11.13	15.96	177.63	13912	343	1250	78
10 Emax 1407/3300	APC E	5.0	3.0	2	7.75	7.87	60.99	18761	250	2421	308
11 Emax 1407/3300	APC E	5.0	3.0	3	11.86	13.23	156.91	24469	435	2063	156
12 Emax 1407/3300	APC E	5.0	4.5	2	7.5	11.28	84.60	13986	231	1865	165
13 Emax 1407/3300	APC E	5.0	4.5	3	11.71	18.69	218.86	17991	371	1536	82

- Notes:
- 1) Flight time based on 100% Throttle continuous
 - 2) C-Rate Safety Factor is 1.25 times Amps in
 - 3) Choosing a smaller Batt requires Higher C-Rate!

2 Emax 1407/3300	65	90%	4.53	20	2	500	23	5
3 Emax 1407/3300	94	93%	3.40	20	2	800	21	5
4 Emax 1407/3300	72	91%	1.97	20	2	600	22	5
5 Emax 1407/3300	83	92%	2.78	20	2	700	21	5
6 Emax 1407/3300	132	93%	3.27	20	3	700	22	5
7 Emax 1407/3300	162	94%	3.20	20	3	800	24	5
8 Emax 1407/3300	195	95%	1.29	20	3	1000	22	5
9 Emax 1407/3300	168	94%	1.93	20	3	900	22	5
8 Emax 1407/3300	195	95%	1.29	20	3	1000	22	5
9 Emax 1407/3300	168	94%	1.93	20	3	900	22	5
10 Emax 1407/3300	54	89%	4.10	20	2	500	20	5
11 Emax 1407/3300	146	93%	2.77	20	3	700	24	5

COLOR DEFINITION:

CAUTION!! HIGH AMP DRAW!!

CURRENT TO HIGH, NOT RECOMMENDED!!