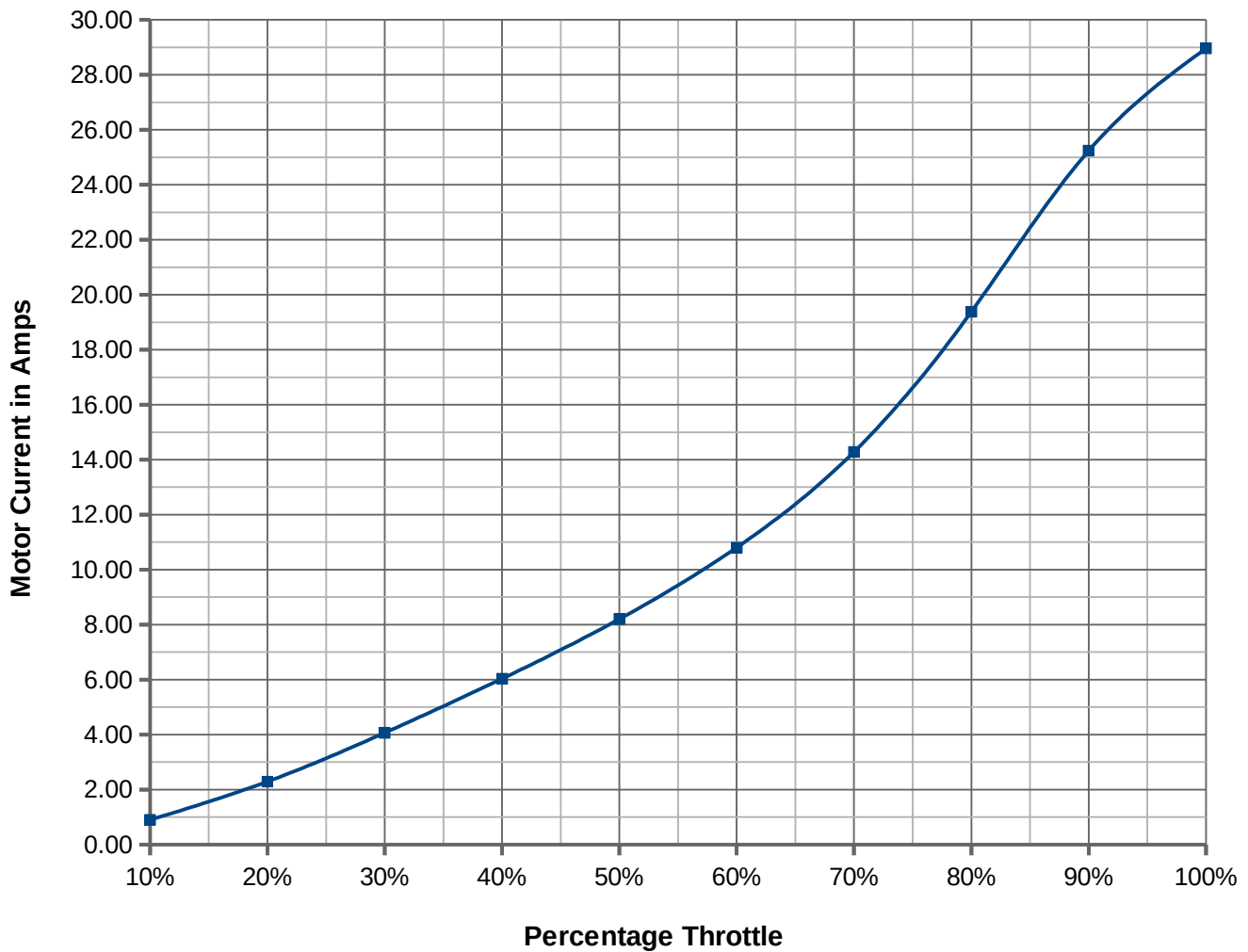


Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 14.8 volts with HQ 6x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.90	13.31	5,968	80.4	2.83	6.04
20%	2.29	33.86	8,933	197.3	6.95	5.83
30%	4.07	60.16	11,223	317.5	11.19	5.28
40%	6.03	89.27	13,072	432.6	15.25	4.85
50%	8.20	121.37	14,660	551.4	19.43	4.54
60%	10.80	159.88	16,223	680.9	24.00	4.26
70%	14.28	211.39	17,964	827.0	29.15	3.91
80%	19.38	286.84	19,880	1023.8	36.08	3.57
90%	25.24	373.58	21,758	1248.0	43.98	3.34
100%	28.97	428.71	22,884	1372.4	48.37	3.20

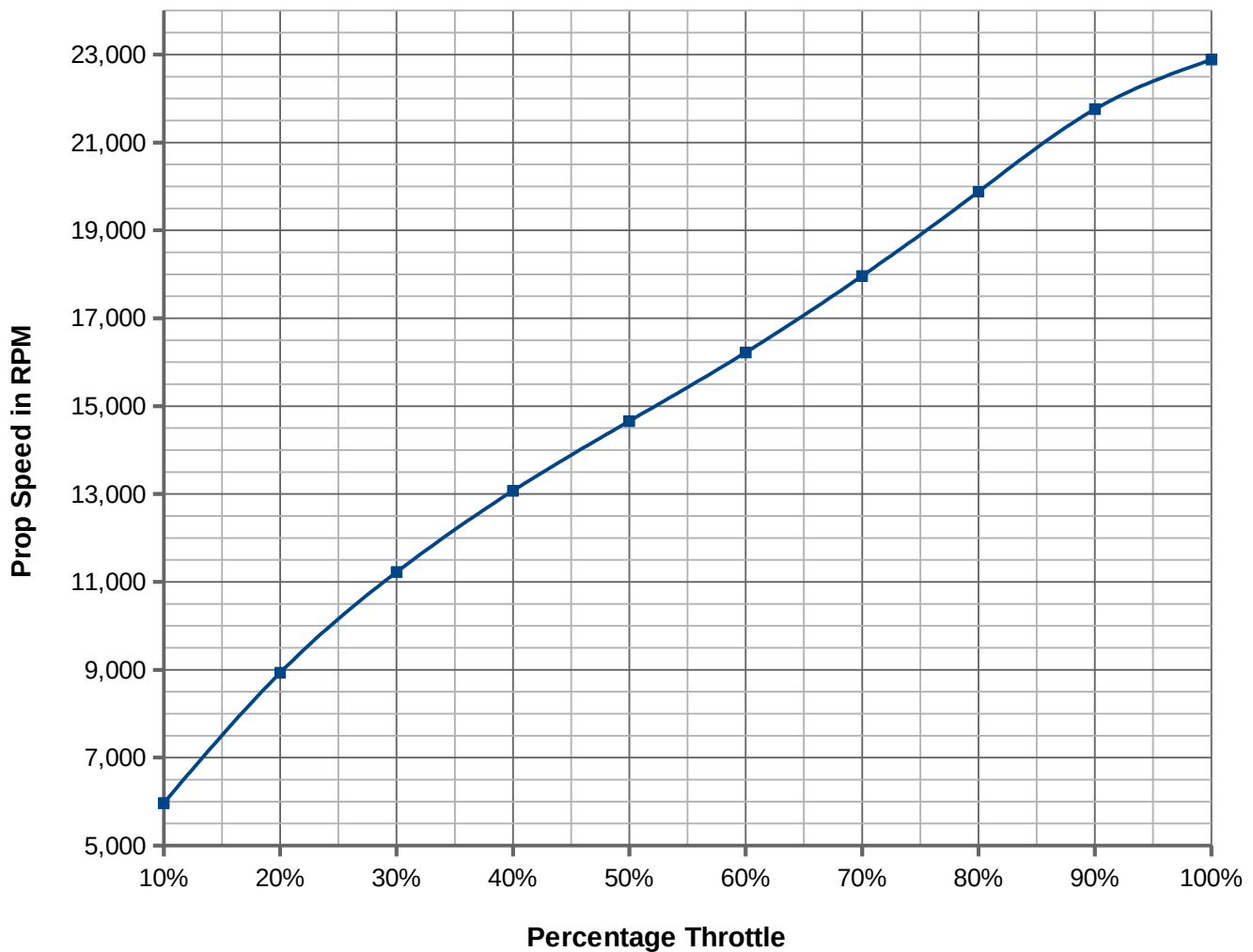
Motor Current vs Throttle Position



Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 14.8 volts with HQ 6x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.90	13.31	5,968	80.4	2.83	6.04
20%	2.29	33.86	8,933	197.3	6.95	5.83
30%	4.07	60.16	11,223	317.5	11.19	5.28
40%	6.03	89.27	13,072	432.6	15.25	4.85
50%	8.20	121.37	14,660	551.4	19.43	4.54
60%	10.80	159.88	16,223	680.9	24.00	4.26
70%	14.28	211.39	17,964	827.0	29.15	3.91
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90%	25.24	373.58	21,758	1248.0	43.98	3.34
100%	28.97	428.71	22,884	1372.4	48.37	3.20

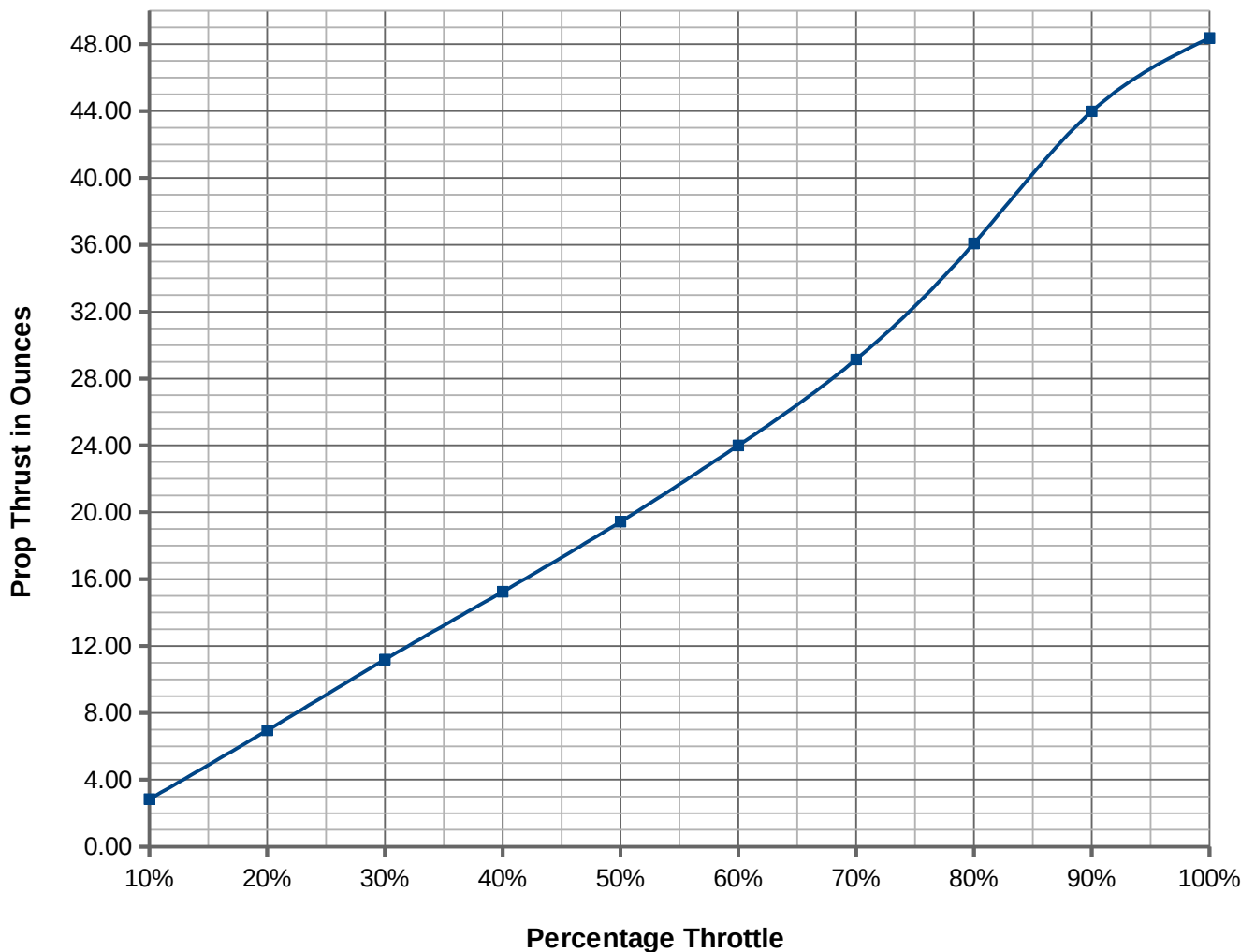
Propeller RPM vs Throttle Position



Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 14.8 volts with HQ 6x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.90	13.31	5,968	80.4	2.83	6.04
20%	2.29	33.86	8,933	197.3	6.95	5.83
30%	4.07	60.16	11,223	317.5	11.19	5.28
40%	6.03	89.27	13,072	432.6	15.25	4.85
50%	8.20	121.37	14,660	551.4	19.43	4.54
60%	10.80	159.88	16,223	680.9	24.00	4.26
70%	14.28	211.39	17,964	827.0	29.15	3.91
80%	19.38	286.84	19,880	1023.8	36.08	3.57
90%	25.24	373.58	21,758	1248.0	43.98	3.34
100%	28.97	428.71	22,884	1372.4	48.37	3.20

Propeller Thrust vs Throttle Position



Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 14.8 volts with HQ 6x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.90	13.31	5,968	80.4	2.83	6.04
20%	2.29	33.86	8,933	197.3	6.95	5.83
30%	4.07	60.16	11,223	317.5	11.19	5.28
40%	6.03	89.27	13,072	432.6	15.25	4.85
50%	8.20	121.37	14,660	551.4	19.43	4.54
60%	10.80	159.88	16,223	680.9	24.00	4.26
70%	14.28	211.39	17,964	827.0	29.15	3.91
80%	19.38	286.84	19,880	1023.8	36.08	3.57
90%	25.24	373.58	21,758	1248.0	43.98	3.34
100%	28.97	428.71	22,884	1372.4	48.37	3.20

Propeller Efficiency vs Throttle Position

