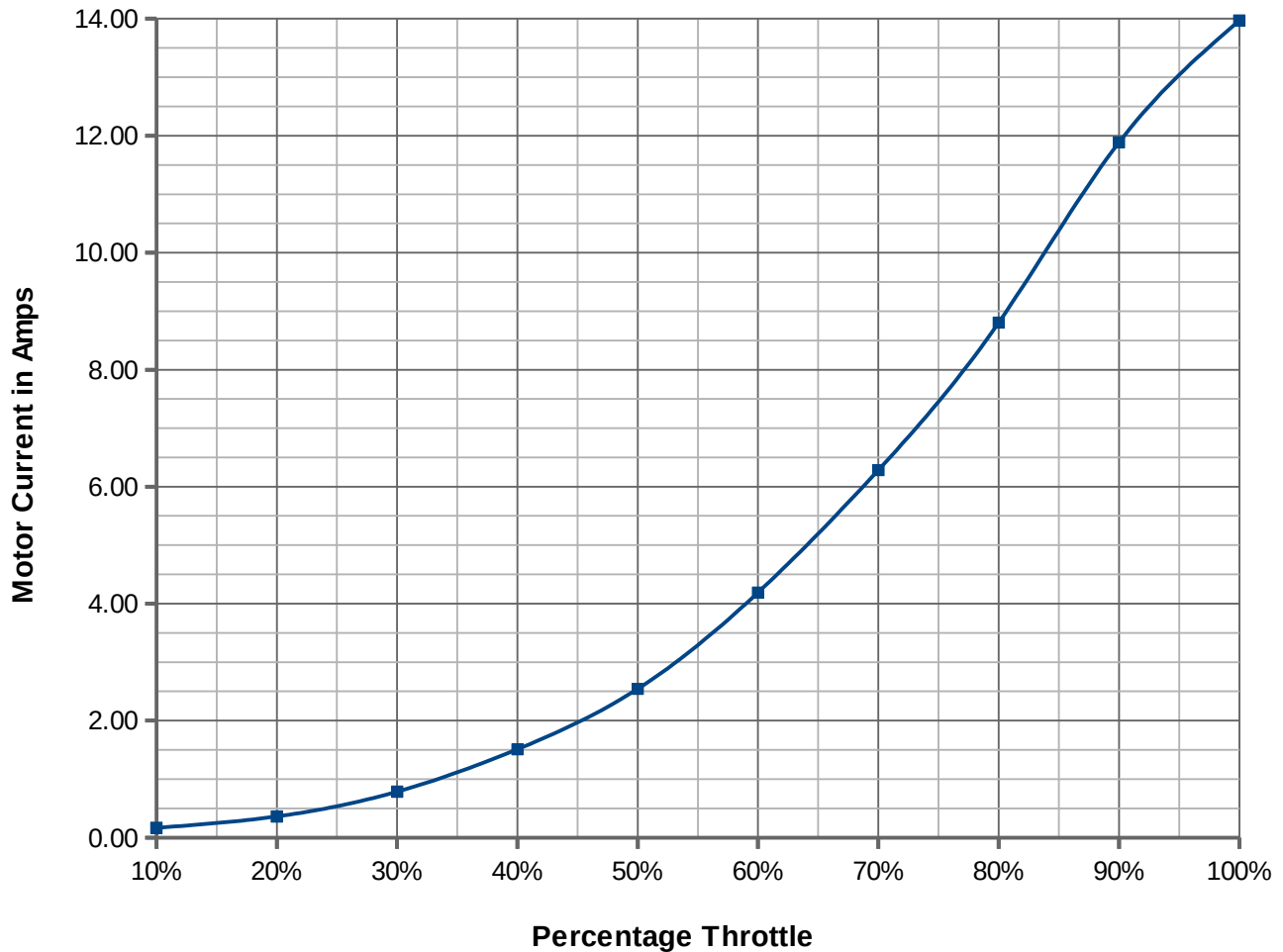


Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 13x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.73	1,157	40.2	1.42	10.78
20%	0.36	8.06	1,844	112.3	3.96	13.94
30%	0.79	17.45	2,582	230.2	8.11	13.19
40%	1.51	33.54	3,327	394.6	13.91	11.76
50%	2.54	56.48	4,042	586.5	20.67	10.38
60%	4.19	93.02	4,788	845.6	29.80	9.09
70%	6.28	139.48	5,467	1126.6	39.70	8.08
80%	8.81	195.47	6,074	1415.2	49.87	7.24
90%	11.89	263.87	6,653	1713.7	60.39	6.49
100%	13.97	310.11	6,972	1893.6	66.73	6.11

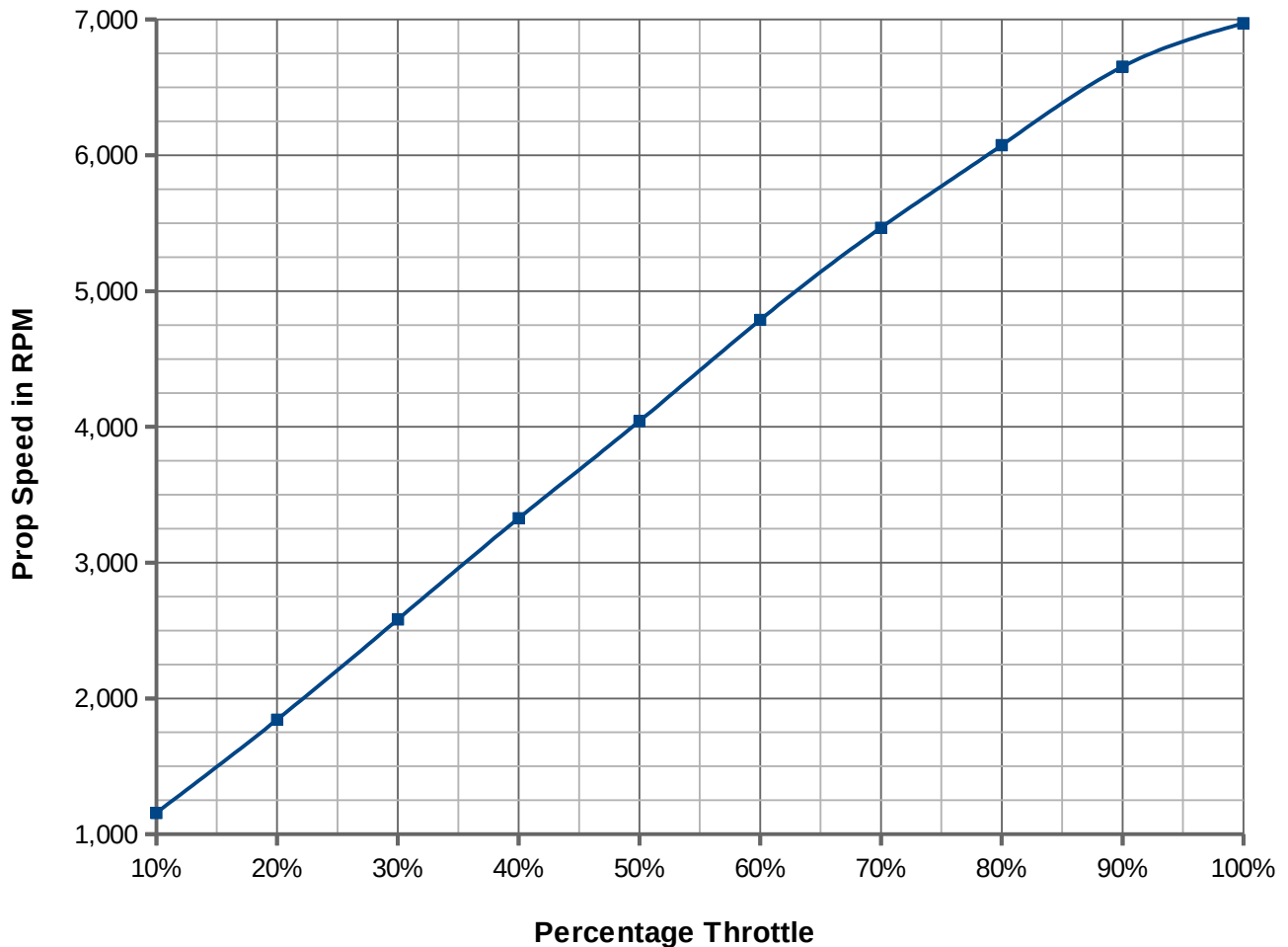
Motor Current vs Throttle Position



Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 13x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.73	1,157	40.2	1.42	10.78
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70%	6.28	139.48	5,467	1126.6	39.70	8.08
80%	8.81	195.47	6,074	1415.2	49.87	7.24
90%	11.89	263.87	6,653	1713.7	60.39	6.49
100%	13.97	310.11	6,972	1893.6	66.73	6.11

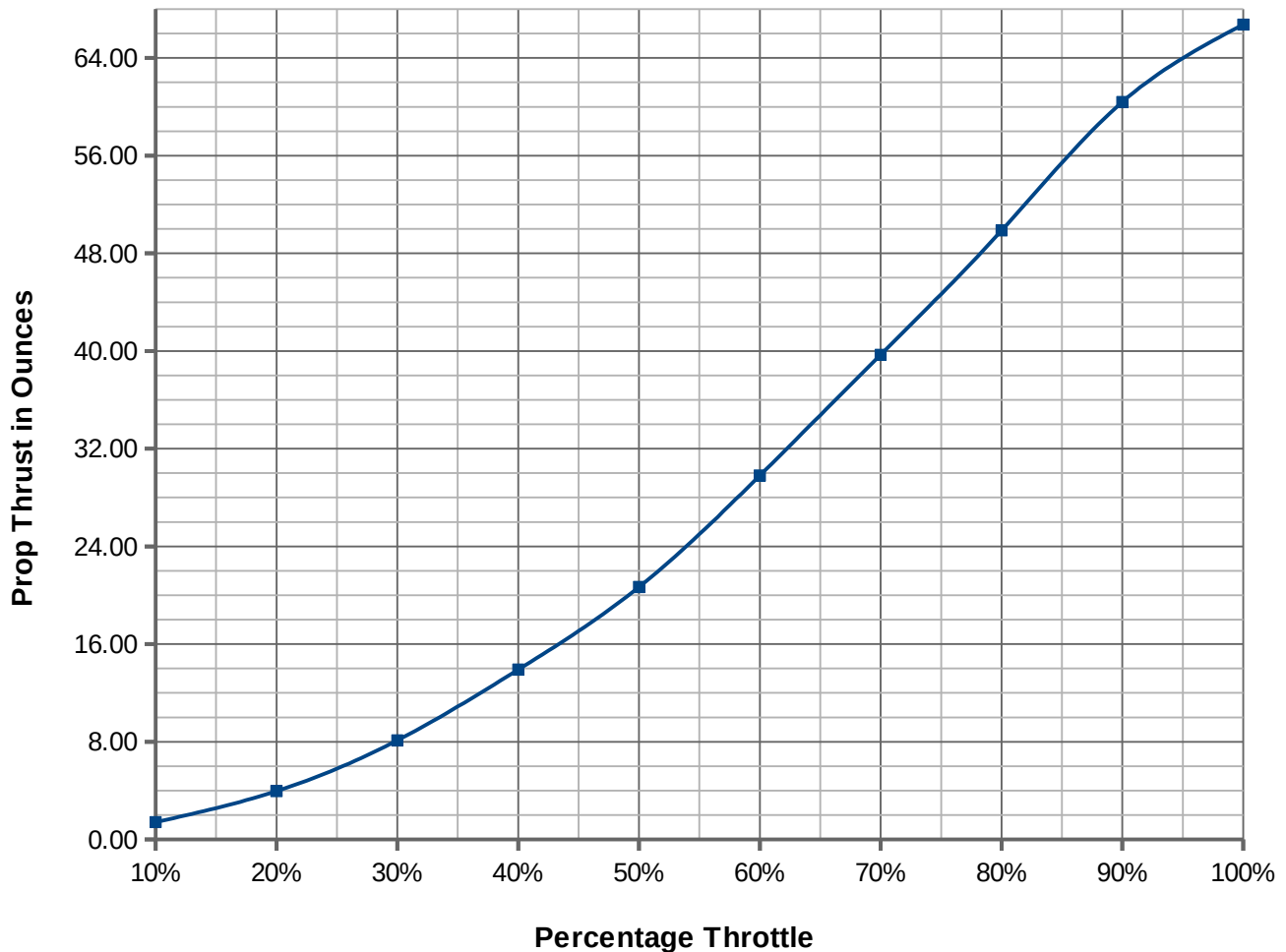
Propeller RPM vs Throttle Position



Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 13x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.73	1,157	40.2	1.42	10.78
20%	0.36	8.06	1,844	112.3	3.96	13.94
30%	0.79	17.45	2,582	230.2	8.11	13.19
40%	1.51	33.54	3,327	394.6	13.91	11.76
50%	2.54	56.48	4,042	586.5	20.67	10.38
60%	4.19	93.02	4,788	845.6	29.80	9.09
70%	6.28	139.48	5,467	1126.6	39.70	8.08
80%	8.81	195.47	6,074	1415.2	49.87	7.24
90%	11.89	263.87	6,653	1713.7	60.39	6.49
100%	13.97	310.11	6,972	1893.6	66.73	6.11

Propeller Thrust vs Throttle Position



Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 13x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.73	1,157	40.2	1.42	10.78
20%	0.36	8.06	1,844	112.3	3.96	13.94
30%	0.79	17.45	2,582	230.2	8.11	13.19
40%	1.51	33.54	3,327	394.6	13.91	11.76
50%	2.54	56.48	4,042	586.5	20.67	10.38
60%	4.19	93.02	4,788	845.6	29.80	9.09
70%	6.28	139.48	5,467	1126.6	39.70	8.08
80%	8.81	195.47	6,074	1415.2	49.87	7.24
90%	11.89	263.87	6,653	1713.7	60.39	6.49
100%	13.97	310.11	6,972	1893.6	66.73	6.11

Propeller Efficiency vs Throttle Position

