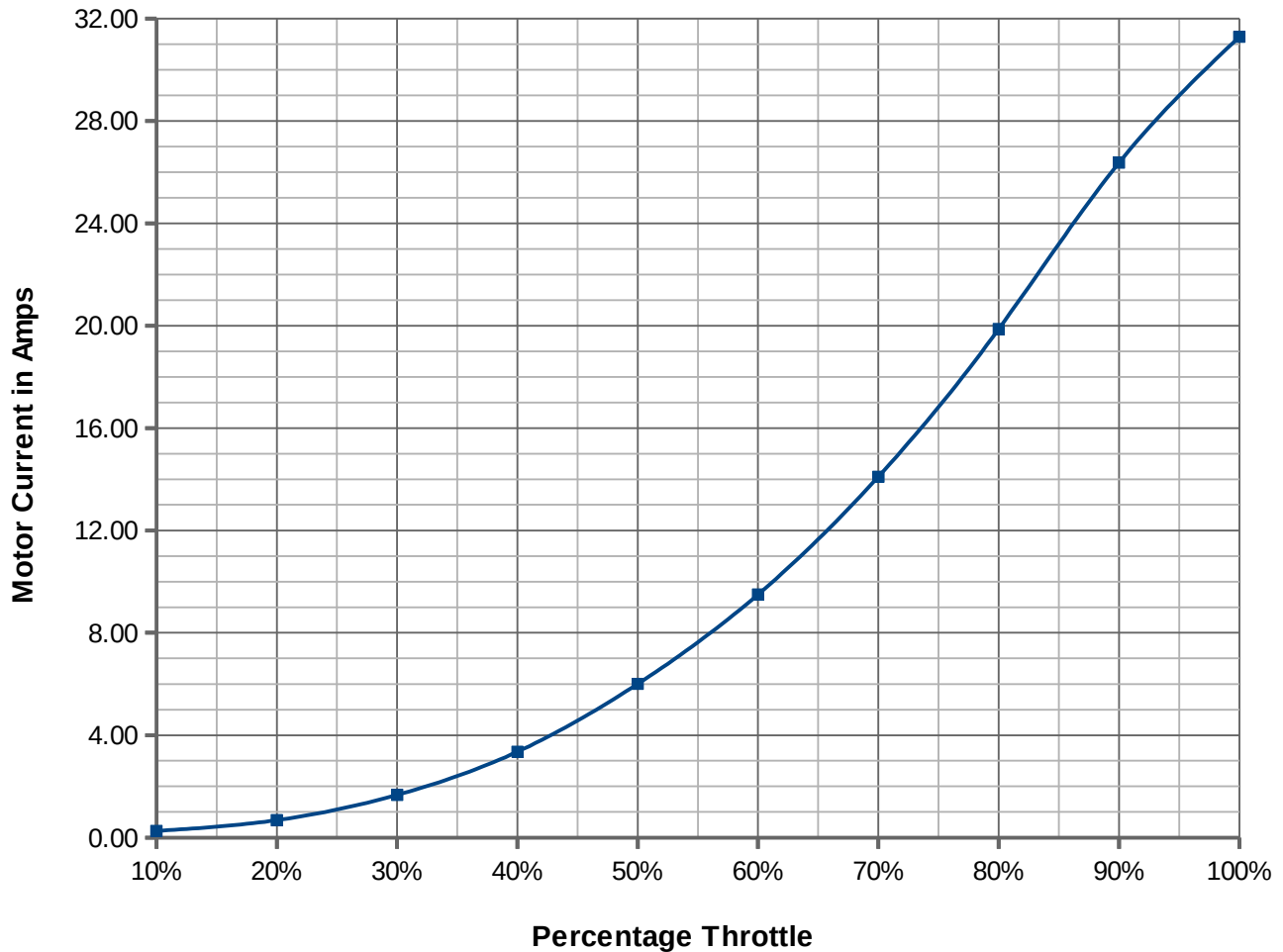


Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.75	1,210	88.9	3.13	15.46
20%	0.68	15.12	1,894	226.4	7.98	14.98
30%	1.67	37.03	2,675	483.8	17.05	13.07
40%	3.36	74.48	3,438	820.9	28.93	11.02
50%	6.01	133.33	4,166	1274.3	44.91	9.56
60%	9.50	210.81	4,826	1743.6	61.45	8.27
70%	14.10	313.00	5,460	2283.8	80.49	7.30
80%	19.87	441.11	6,060	2822.0	99.45	6.40
90%	26.37	585.39	6,610	3386.0	119.33	5.78
100%	31.29	694.59	6,915	3748.9	132.12	5.40

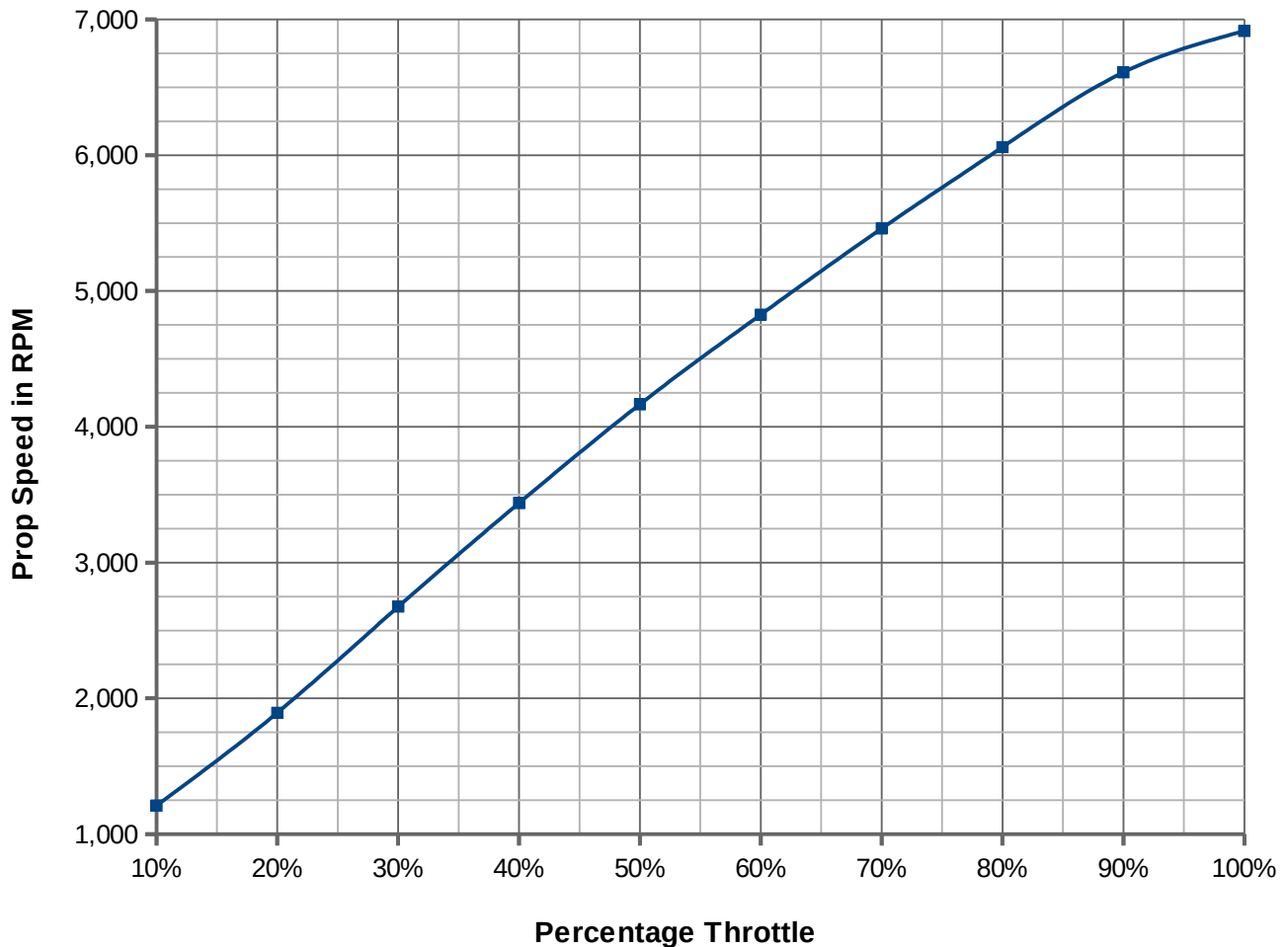
Motor Current vs Throttle Position



Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.75	1,210	88.9	3.13	15.46
20%	0.68	15.12	1,894	226.4	7.98	14.98
30%	1.67	37.03	2,675	483.8	17.05	13.07
40%	3.36	74.48	3,438	820.9	28.93	11.02
50%	6.01	133.33	4,166	1274.3	44.91	9.56
60%	9.50	210.81	4,826	1743.6	61.45	8.27
70%	14.10	313.00	5,460	2283.8	80.49	7.30
80%	19.87	441.11	6,060	2822.0	99.45	6.40
90%	26.37	585.39	6,610	3386.0	119.33	5.78
100%	31.29	694.59	6,915	3748.9	132.12	5.40

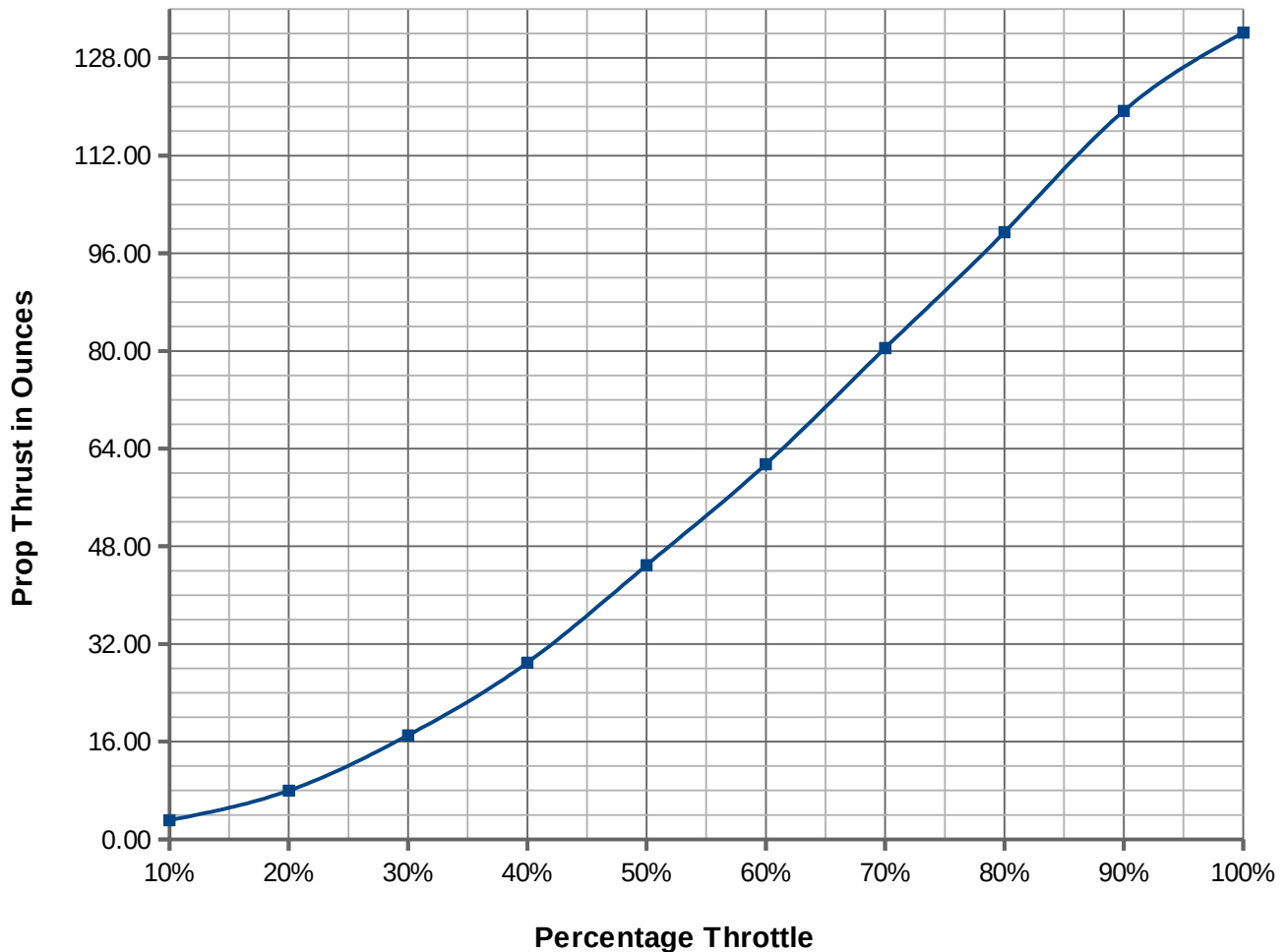
Propeller RPM vs Throttle Position



Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.75	1,210	88.9	3.13	15.46
20%	0.68	15.12	1,894	226.4	7.98	14.98
30%	1.67	37.03	2,675	483.8	17.05	13.07
40%	3.36	74.48	3,438	820.9	28.93	11.02
50%	6.01	133.33	4,166	1274.3	44.91	9.56
60%	9.50	210.81	4,826	1743.6	61.45	8.27
70%	14.10	313.00	5,460	2283.8	80.49	7.30
80%	19.87	441.11	6,060	2822.0	99.45	6.40
90%	26.37	585.39	6,610	3386.0	119.33	5.78
100%	31.29	694.59	6,915	3748.9	132.12	5.40

Propeller Thrust vs Throttle Position



Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.75	1,210	88.9	3.13	15.46
20%	0.68	15.12	1,894	226.4	7.98	14.98
30%	1.67	37.03	2,675	483.8	17.05	13.07
40%	3.36	74.48	3,438	820.9	28.93	11.02
50%	6.01	133.33	4,166	1274.3	44.91	9.56
60%	9.50	210.81	4,826	1743.6	61.45	8.27
70%	14.10	313.00	5,460	2283.8	80.49	7.30
80%	19.87	441.11	6,060	2822.0	99.45	6.40
90%	26.37	585.39	6,610	3386.0	119.33	5.78
100%	31.29	694.59	6,915	3748.9	132.12	5.40

Propeller Efficiency vs Throttle Position

