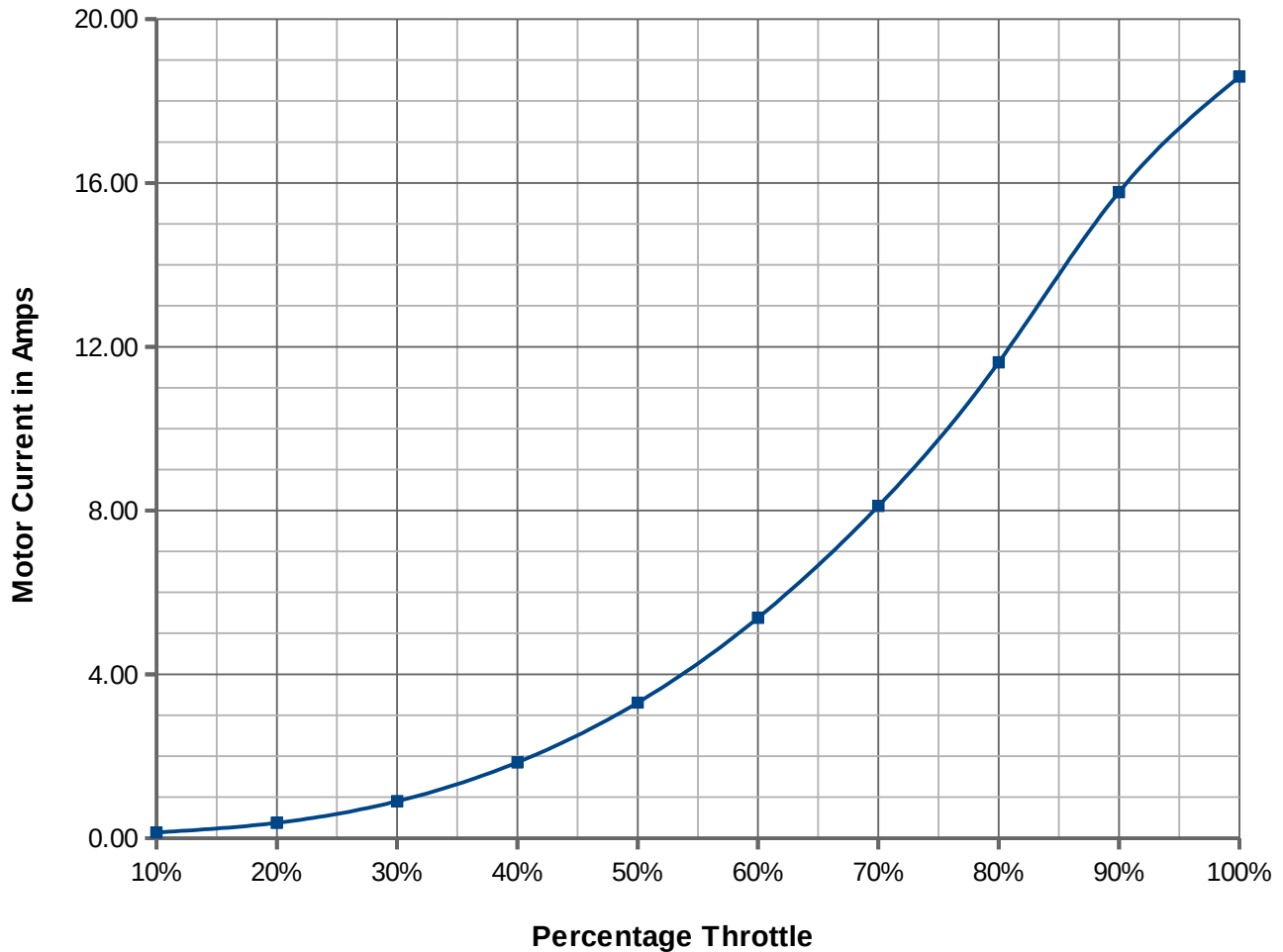


Cobra CM-4510-40 Motor Test Data, Kv=310

Data Collected at 22.2 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	3.04	821	53.6	1.89	17.62
20%	0.37	8.28	1,330	145.0	5.11	17.51
30%	0.90	20.00	1,898	300.1	10.58	15.00
40%	1.85	41.07	2,443	510.2	17.98	12.42
50%	3.31	73.44	2,964	766.1	27.00	10.43
60%	5.38	119.44	3,443	1086.2	38.28	9.09
70%	8.11	180.02	3,900	1412.1	49.77	7.84
80%	11.62	257.92	4,318	1769.9	62.38	6.86
90%	15.78	350.25	4,708	2131.6	75.12	6.09
100%	18.60	412.85	4,933	2359.8	83.16	5.72

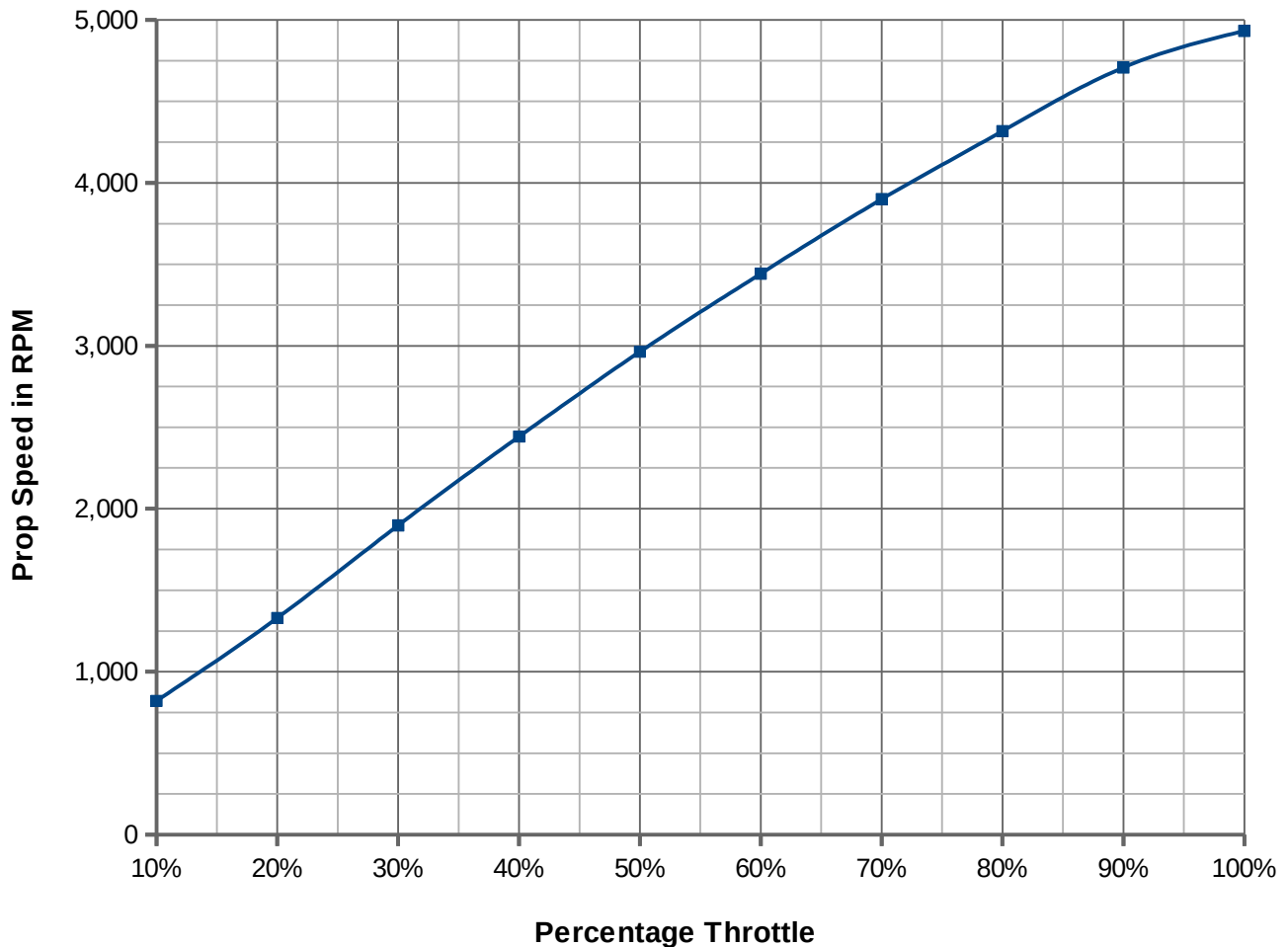
Motor Current vs Throttle Position



Cobra CM-4510-40 Motor Test Data, Kv=310

Data Collected at 22.2 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	3.04	821	53.6	1.89	17.62
20%	0.37	8.28	1,330	145.0	5.11	17.51
30%	0.90	20.00	1,898	300.1	10.58	15.00
40%	1.85	41.07	2,443	510.2	17.98	12.42
50%	3.31	73.44	2,964	766.1	27.00	10.43
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80%	11.62	257.92	4,318	1769.9	62.38	6.86
90%	15.78	350.25	4,708	2131.6	75.12	6.09
100%	18.60	412.85	4,933	2359.8	83.16	5.72

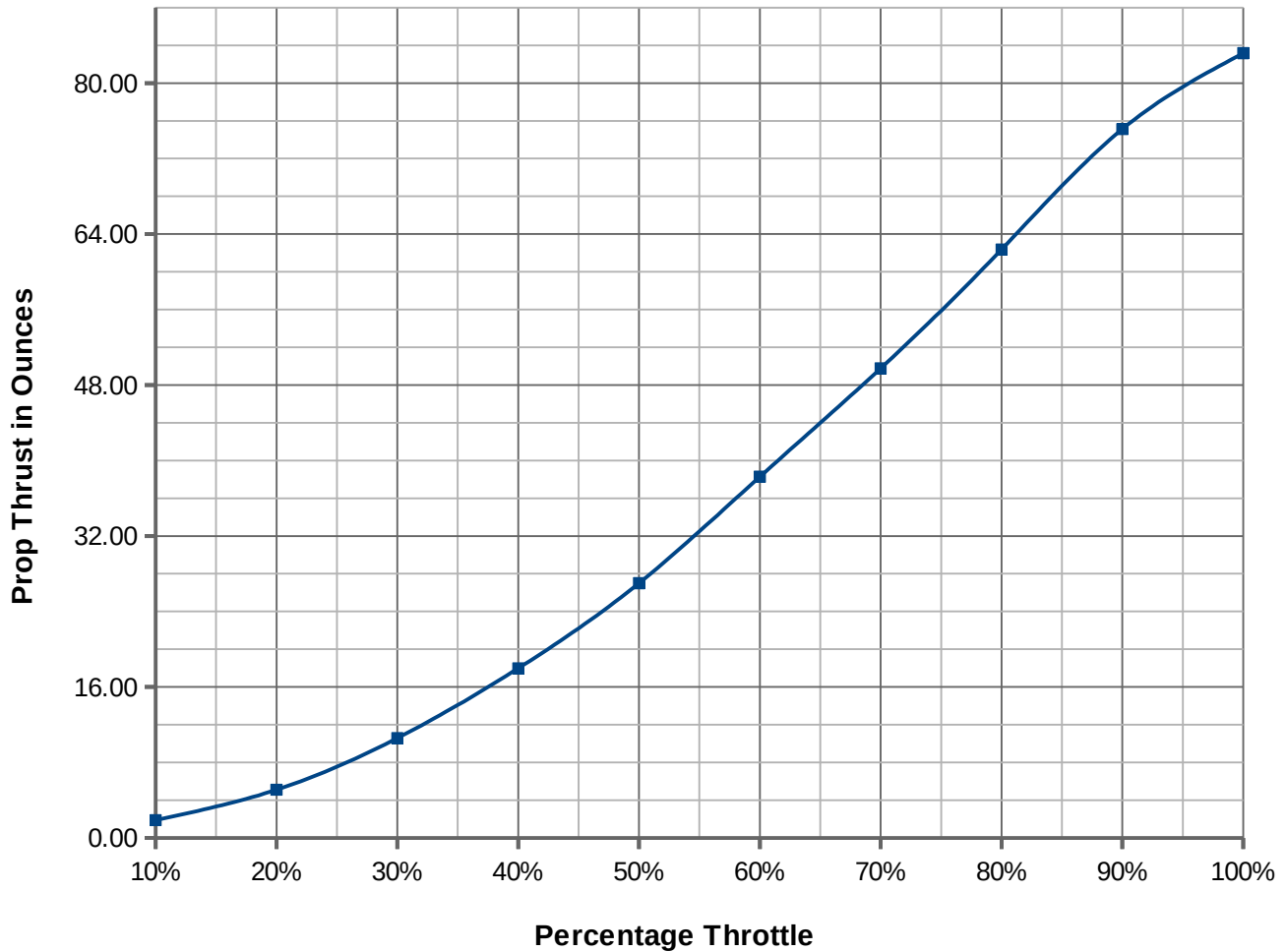
Propeller RPM vs Throttle Position



Cobra CM-4510-40 Motor Test Data, Kv=310

Data Collected at 22.2 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	3.04	821	53.6	1.89	17.62
20%	0.37	8.28	1,330	145.0	5.11	17.51
30%	0.90	20.00	1,898	300.1	10.58	15.00
40%	1.85	41.07	2,443	510.2	17.98	12.42
50%	3.31	73.44	2,964	766.1	27.00	10.43
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70%	8.11	180.02	3,900	1412.1	49.77	7.84
80%	11.62	257.92	4,318	1769.9	62.38	6.86
90%	15.78	350.25	4,708	2131.6	75.12	6.09
100%	18.60	412.85	4,933	2359.8	83.16	5.72

Propeller Thrust vs Throttle Position



Cobra CM-4510-40 Motor Test Data, Kv=310

Data Collected at 22.2 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	3.04	821	53.6	1.89	17.62
20%	0.37	8.28	1,330	145.0	5.11	17.51
30%	0.90	20.00	1,898	300.1	10.58	15.00
40%	1.85	41.07	2,443	510.2	17.98	12.42
50%	3.31	73.44	2,964	766.1	27.00	10.43
60%	5.38	119.44	3,443	1086.2	38.28	9.09
70%	8.11	180.02	3,900	1412.1	49.77	7.84
80%	11.62	257.92	4,318	1769.9	62.38	6.86
90%	15.78	350.25	4,708	2131.6	75.12	6.09
100%	18.60	412.85	4,933	2359.8	83.16	5.72

Propeller Efficiency vs Throttle Position

