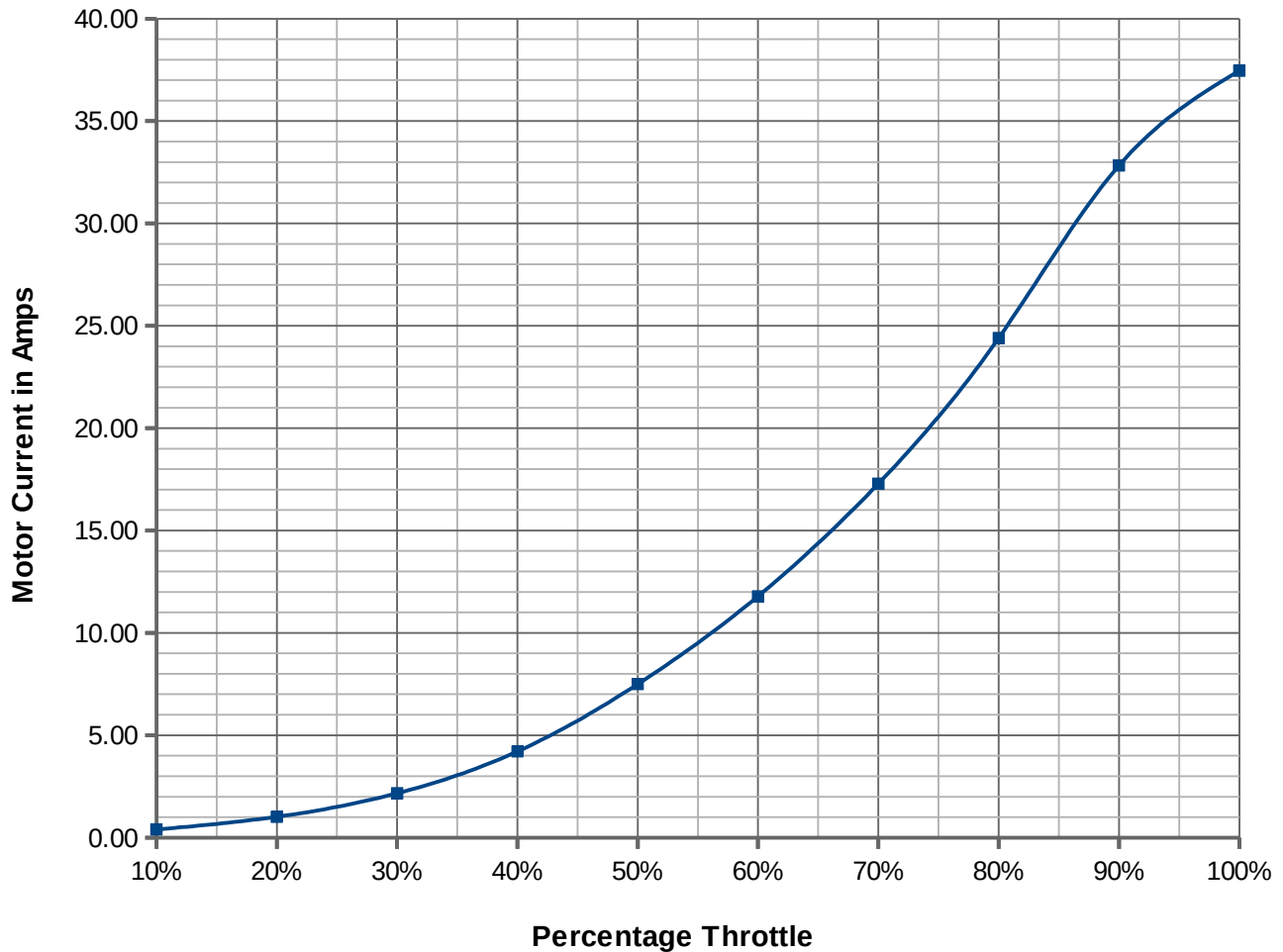


Cobra CM-4520-18 Motor Test Data, Kv=310

Data Collected at 22.2 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	8.88	1,018	105.6	3.72	11.89
20%	1.02	22.60	1,669	284.3	10.02	12.58
30%	2.17	48.15	2,269	547.0	19.28	11.36
40%	4.21	93.46	2,876	916.9	32.31	9.81
50%	7.50	166.48	3,500	1377.0	48.53	8.27
60%	11.79	261.69	4,025	1903.8	67.09	7.27
70%	17.29	383.79	4,533	2446.4	86.22	6.37
80%	24.40	541.70	5,003	3068.7	108.15	5.66
90%	32.83	728.85	5,438	3658.8	128.94	5.02
100%	37.46	831.70	5,643	3962.1	139.63	4.76

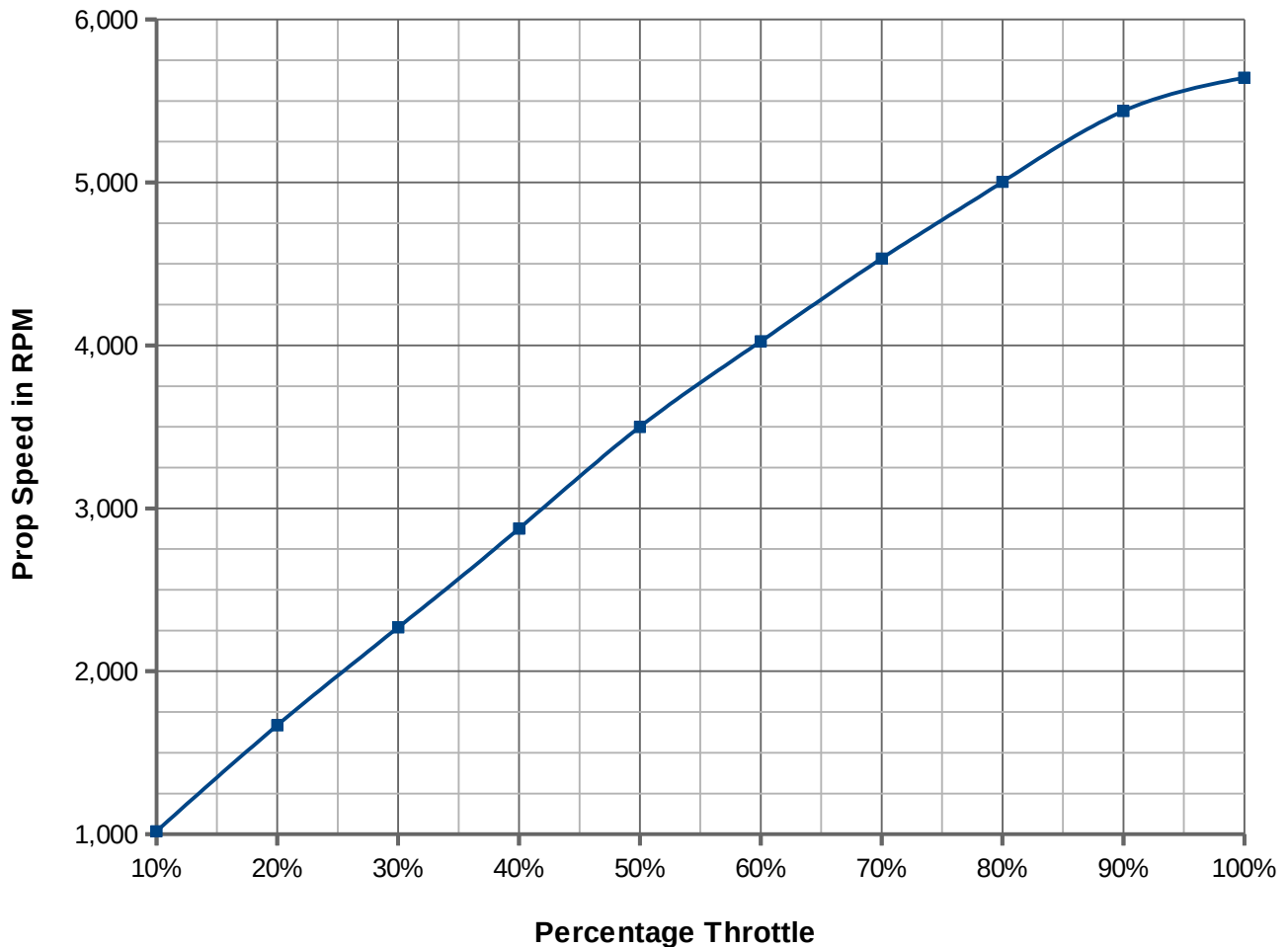
Motor Current vs Throttle Position



Cobra CM-4520-18 Motor Test Data, Kv=310

Data Collected at 22.2 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	8.88	1,018	105.6	3.72	11.89
20%	1.02	22.60	1,669	284.3	10.02	12.58
30%	2.17	48.15	2,269	547.0	19.28	11.36
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90%	32.83	728.85	5,438	3658.8	128.94	5.02
100%	37.46	831.70	5,643	3962.1	139.63	4.76

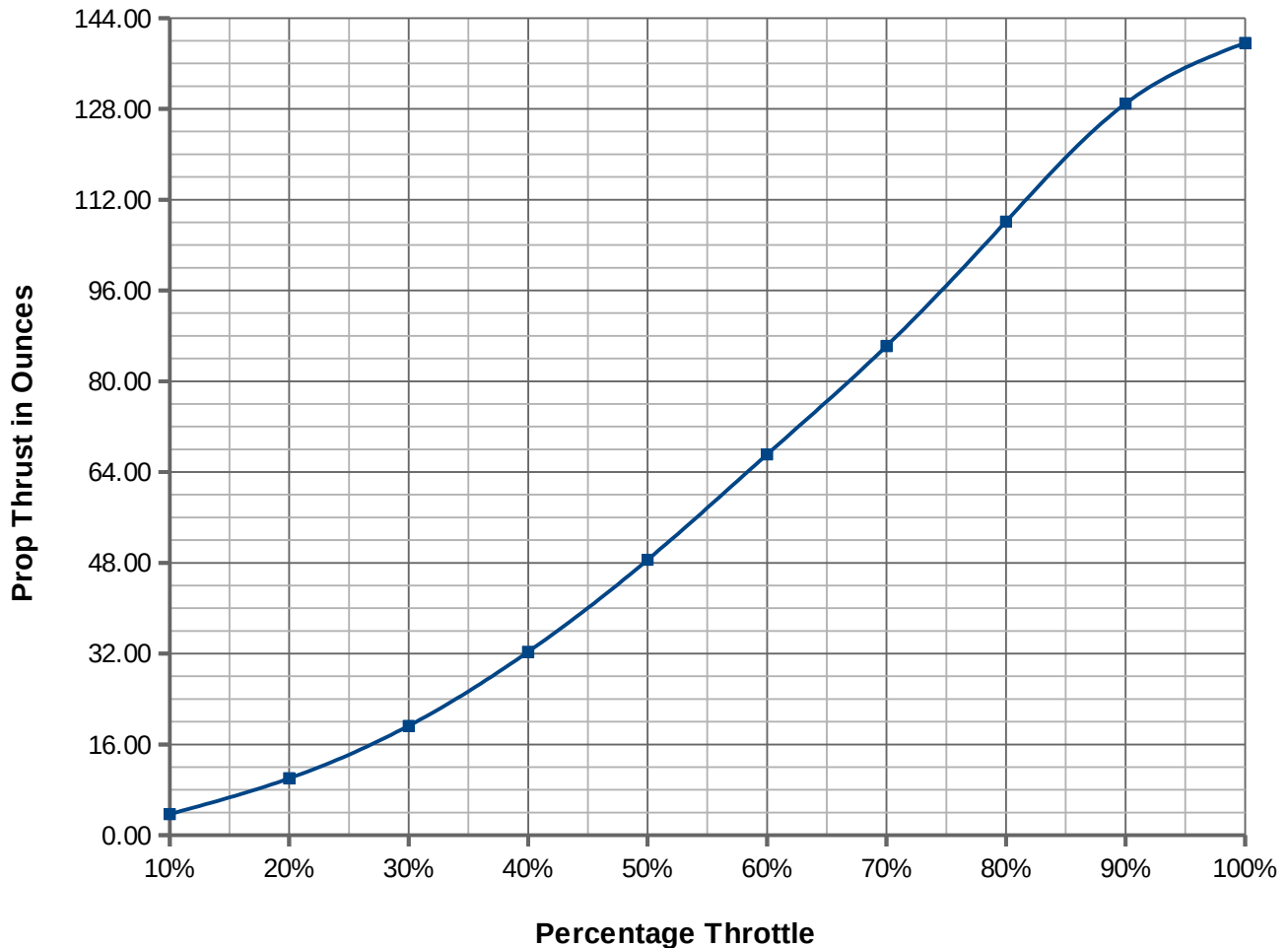
Propeller RPM vs Throttle Position



Cobra CM-4520-18 Motor Test Data, Kv=310

Data Collected at 22.2 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	8.88	1,018	105.6	3.72	11.89
20%	1.02	22.60	1,669	284.3	10.02	12.58
30%	2.17	48.15	2,269	547.0	19.28	11.36
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70%	17.29	383.79	4,533	2446.4	86.22	6.37
80%	24.40	541.70	5,003	3068.7	108.15	5.66
90%	32.83	728.85	5,438	3658.8	128.94	5.02
100%	37.46	831.70	5,643	3962.1	139.63	4.76

Propeller Thrust vs Throttle Position



Cobra CM-4520-18 Motor Test Data, Kv=310

Data Collected at 22.2 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	8.88	1,018	105.6	3.72	11.89
20%	1.02	22.60	1,669	284.3	10.02	12.58
30%	2.17	48.15	2,269	547.0	19.28	11.36
40%	4.21	93.46	2,876	916.9	32.31	9.81
50%	7.50	166.48	3,500	1377.0	48.53	8.27
60%	11.79	261.69	4,025	1903.8	67.09	7.27
70%	17.29	383.79	4,533	2446.4	86.22	6.37
80%	24.40	541.70	5,003	3068.7	108.15	5.66
90%	32.83	728.85	5,438	3658.8	128.94	5.02
100%	37.46	831.70	5,643	3962.1	139.63	4.76

Propeller Efficiency vs Throttle Position

