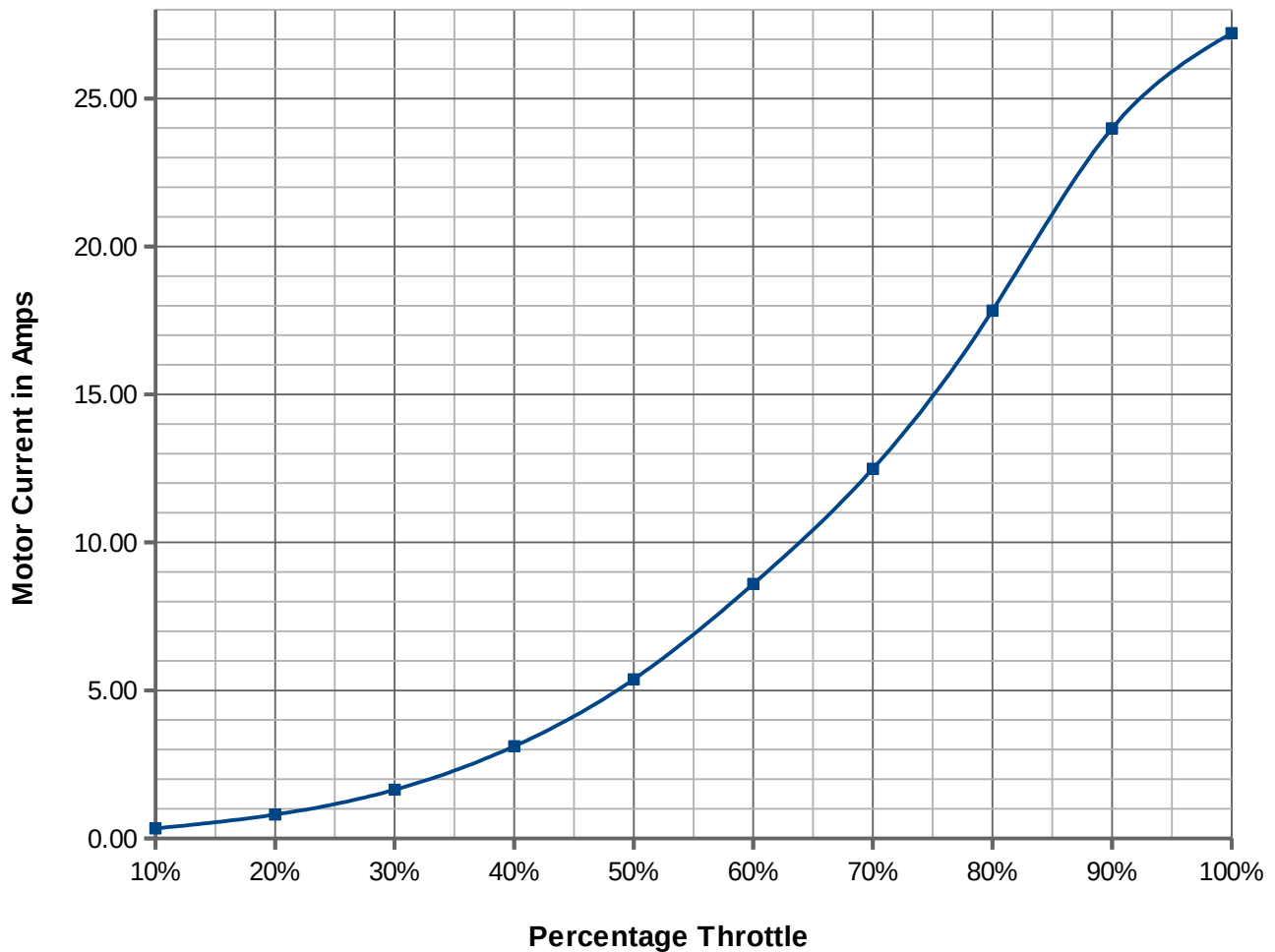


Cobra CM-4520-18 Motor Test Data, Kv=310

Data Collected at 18.5 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.33	6.18	839	71.3	2.51	11.54
20%	0.80	14.87	1,419	202.1	7.12	13.59
30%	1.64	30.40	1,922	380.3	13.40	12.51
40%	3.11	57.55	2,433	655.8	23.11	11.39
50%	5.37	99.40	2,951	976.6	34.42	9.82
60%	8.60	159.01	3,461	1362.7	48.02	8.57
70%	12.49	231.05	3,900	1766.3	62.25	7.64
80%	17.84	329.95	4,336	2232.9	78.69	6.77
90%	23.99	443.83	4,740	2711.2	95.55	6.11
100%	27.21	503.39	4,931	2963.0	104.42	5.89

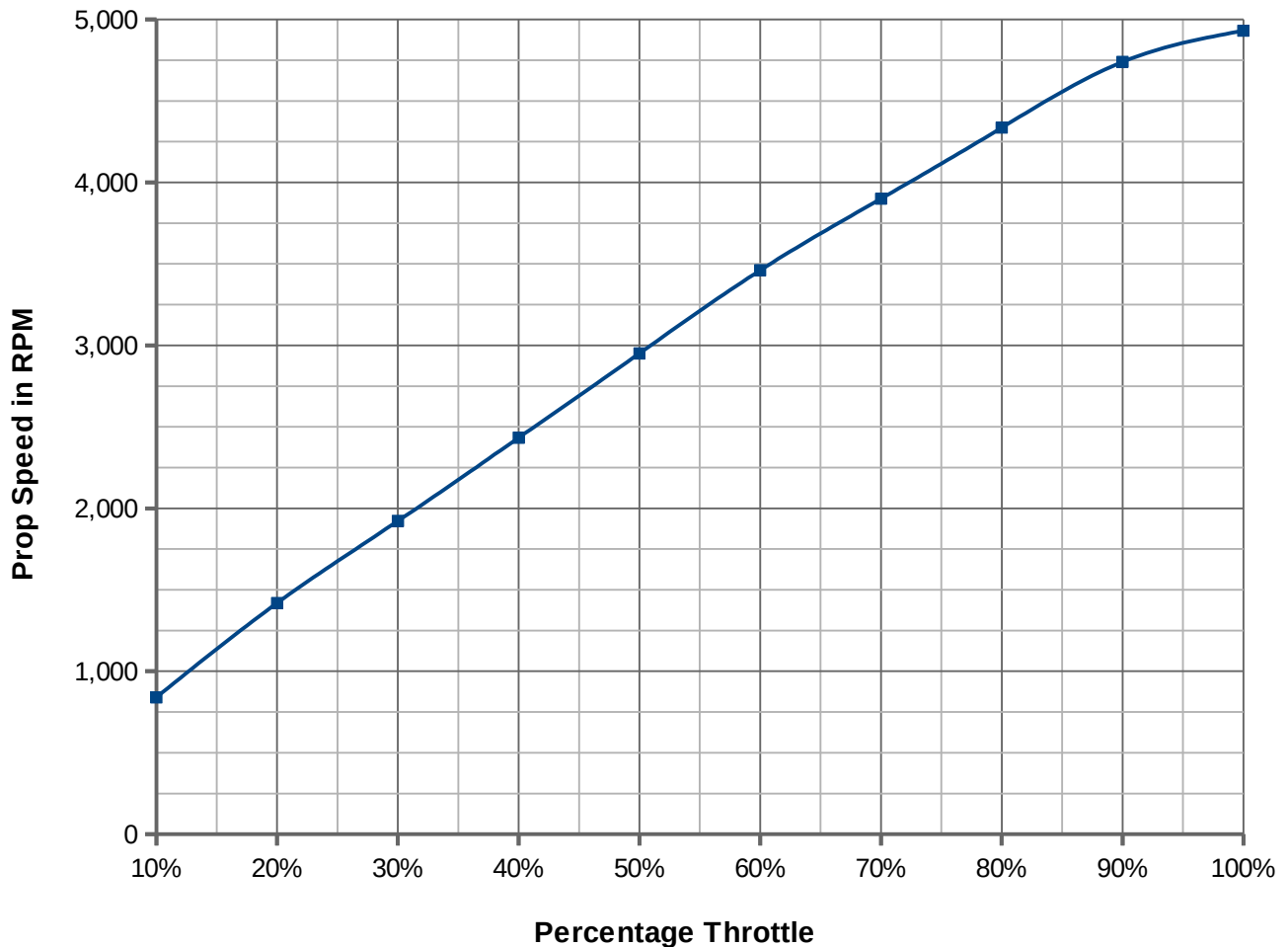
Motor Current vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.33	6.18	839	71.3	2.51	11.54
20%	0.80	14.87	1,419	202.1	7.12	13.59
30%	1.64	30.40	1,922	380.3	13.40	12.51
40%	3.11	57.55	2,433	655.8	23.11	11.39
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70%	12.49	231.05	3,900	1766.3	62.25	7.64
80%	17.84	329.95	4,336	2232.9	78.69	6.77
90%	23.99	443.83	4,740	2711.2	95.55	6.11
100%	27.21	503.39	4,931	2963.0	104.42	5.89

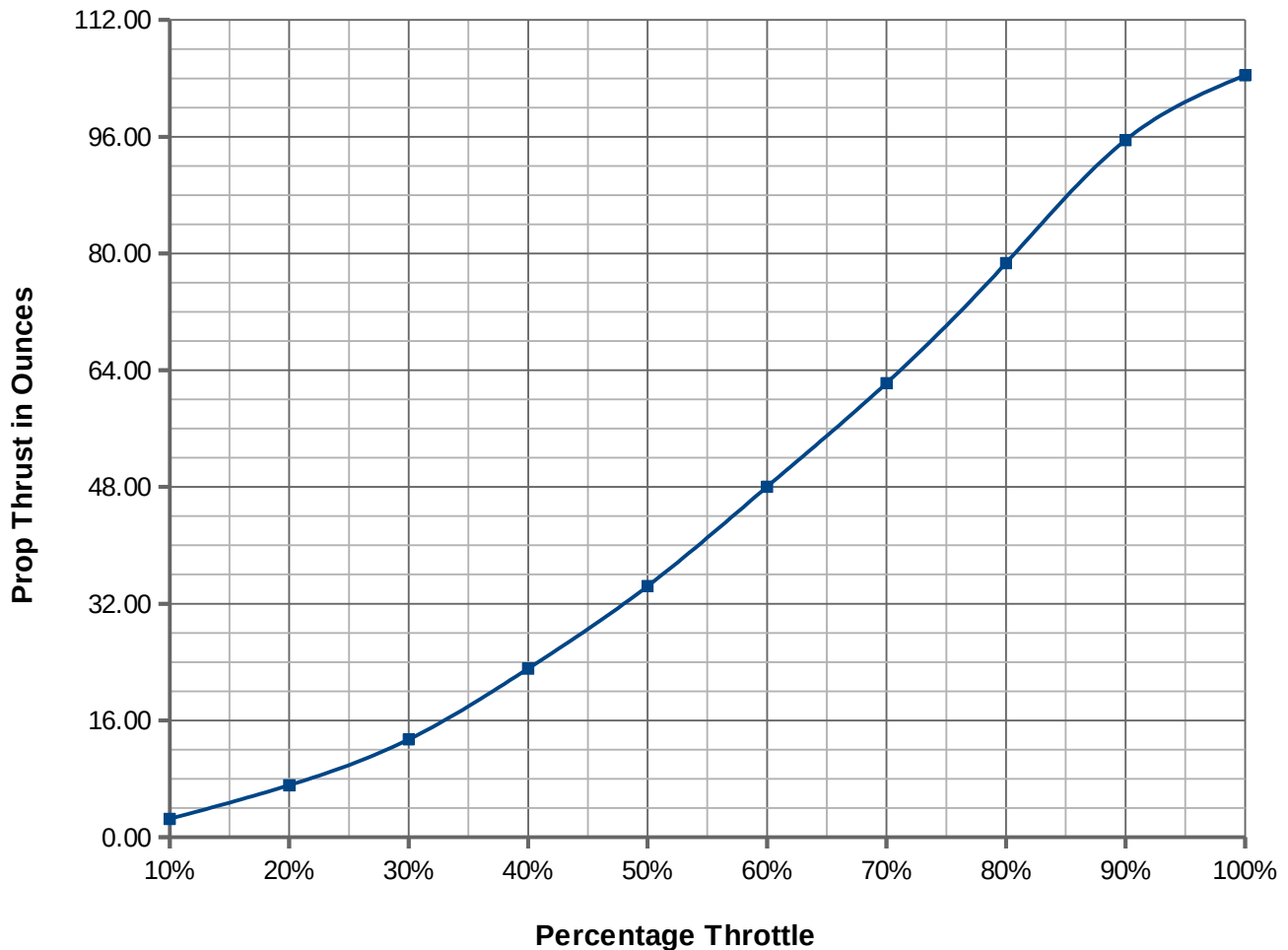
Propeller RPM vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.33	6.18	839	71.3	2.51	11.54
20%	0.80	14.87	1,419	202.1	7.12	13.59
30%	1.64	30.40	1,922	380.3	13.40	12.51
40%	3.11	57.55	2,433	655.8	23.11	11.39
50%	5.37	99.40	2,951	976.6	34.42	9.82
60%	8.60	159.01	3,461	1362.7	48.02	8.57
70%	12.49	231.05	3,900	1766.3	62.25	7.64
80%	17.84	329.95	4,336	2232.9	78.69	6.77
90%	23.99	443.83	4,740	2711.2	95.55	6.11
100%	27.21	503.39	4,931	2963.0	104.42	5.89

Propeller Thrust vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.33	6.18	839	71.3	2.51	11.54
20%	0.80	14.87	1,419	202.1	7.12	13.59
30%	1.64	30.40	1,922	380.3	13.40	12.51
40%	3.11	57.55	2,433	655.8	23.11	11.39
50%	5.37	99.40	2,951	976.6	34.42	9.82
60%	8.60	159.01	3,461	1362.7	48.02	8.57
70%	12.49	231.05	3,900	1766.3	62.25	7.64
80%	17.84	329.95	4,336	2232.9	78.69	6.77
90%	23.99	443.83	4,740	2711.2	95.55	6.11
100%	27.21	503.39	4,931	2963.0	104.42	5.89

Propeller Efficiency vs Throttle Position

