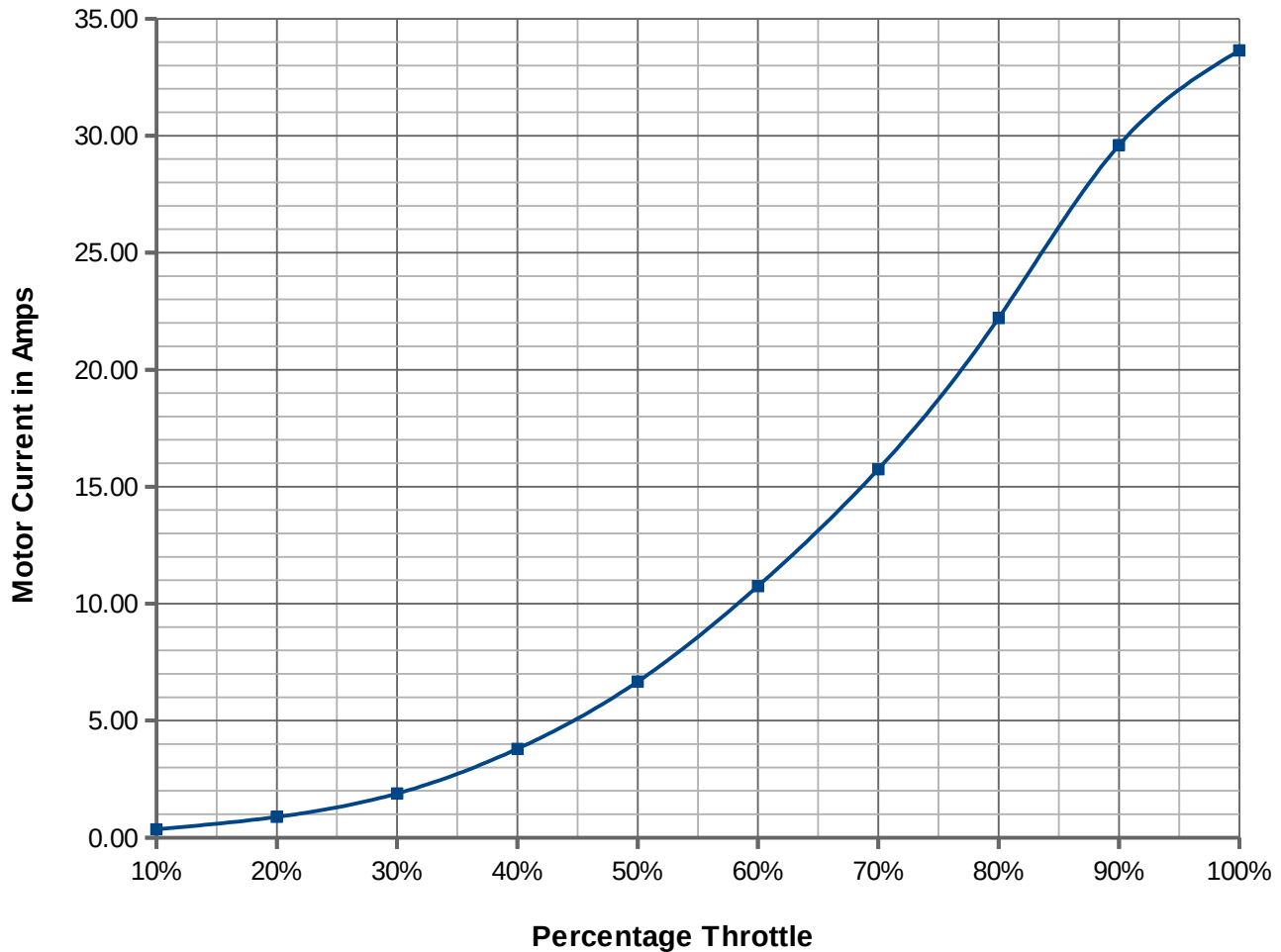


Cobra CM-4520-18 Motor Test Data, Kv=310

Data Collected at 18.5 volts with RC-Timer 18x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.36	6.60	816	86.9	3.06	13.16
20%	0.89	16.39	1,372	235.1	8.29	14.34
30%	1.89	34.91	1,868	462.6	16.30	13.25
40%	3.80	70.24	2,390	806.5	28.42	11.48
50%	6.67	123.38	2,890	1222.6	43.09	9.91
60%	10.75	198.89	3,370	1673.2	58.97	8.41
70%	15.75	291.34	3,782	2167.9	76.40	7.44
80%	22.21	410.85	4,177	2715.8	95.71	6.61
90%	29.60	547.53	4,548	3243.6	114.31	5.92
100%	33.64	622.38	4,710	3532.3	124.49	5.68

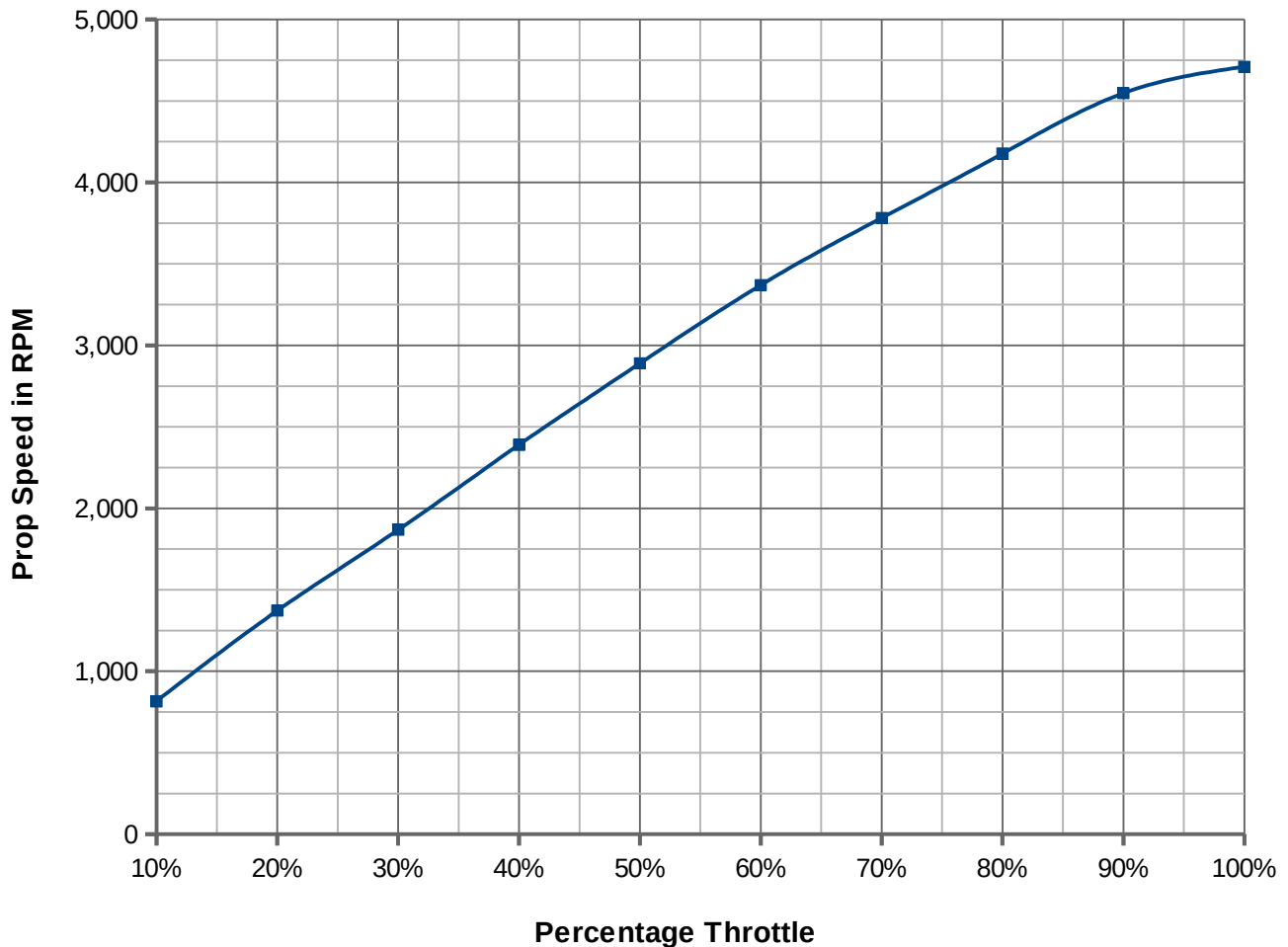
Motor Current vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 18x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.36	6.60	816	86.9	3.06	13.16
20%	0.89	16.39	1,372	235.1	8.29	14.34
30%	1.89	34.91	1,868	462.6	16.30	13.25
40%	3.80	70.24	2,390	806.5	28.42	11.48
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90%	29.60	547.53	4,548	3243.6	114.31	5.92
100%	33.64	622.38	4,710	3532.3	124.49	5.68

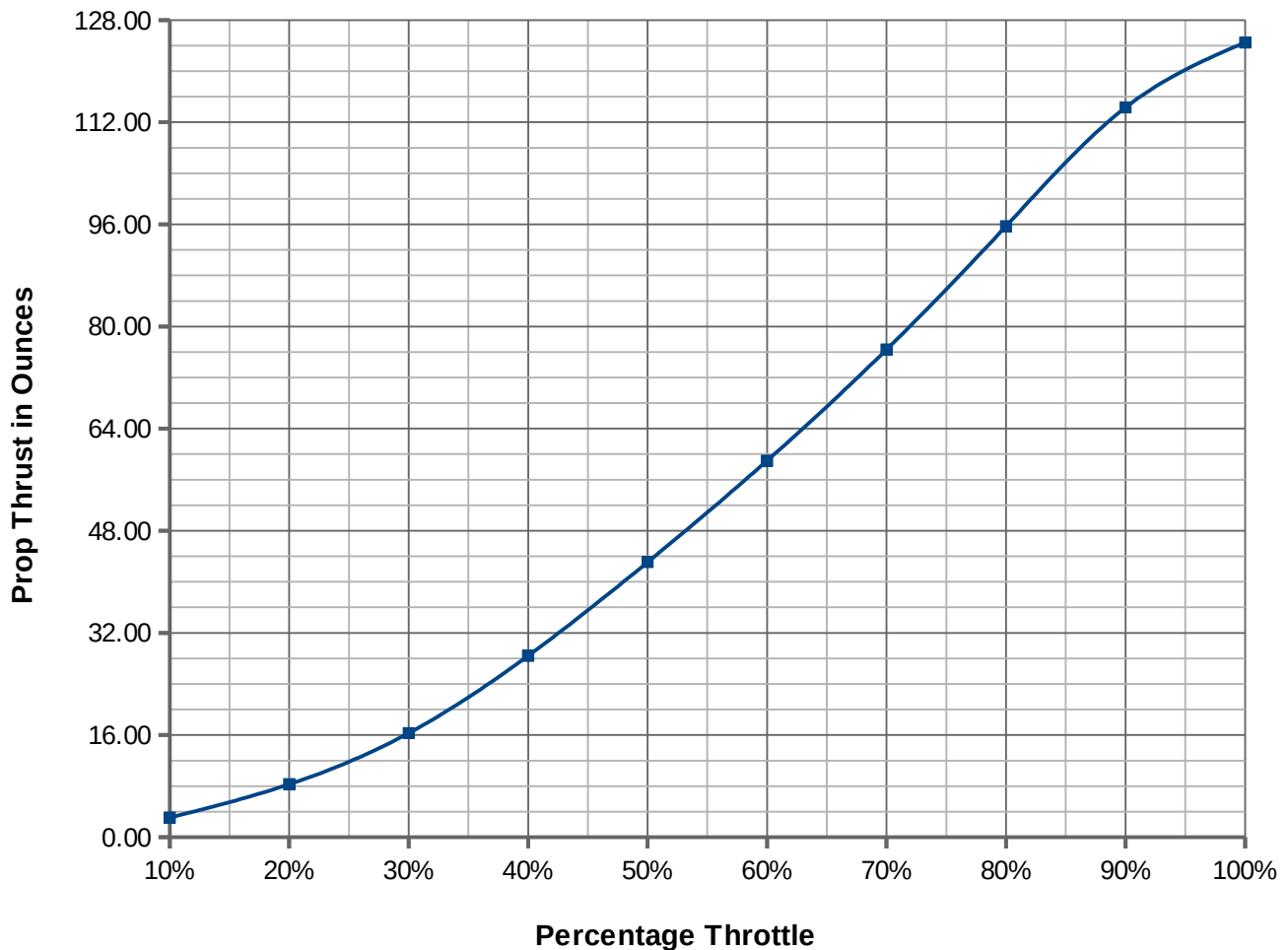
Propeller RPM vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 18x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.36	6.60	816	86.9	3.06	13.16
20%	0.89	16.39	1,372	235.1	8.29	14.34
30%	1.89	34.91	1,868	462.6	16.30	13.25
40%	3.80	70.24	2,390	806.5	28.42	11.48
50%	6.67	123.38	2,890	1222.6	43.09	9.91
60%	10.75	198.89	3,370	1673.2	58.97	8.41
70%	15.75	291.34	3,782	2167.9	76.40	7.44
80%	22.21	410.85	4,177	2715.8	95.71	6.61
90%	29.60	547.53	4,548	3243.6	114.31	5.92
100%	33.64	622.38	4,710	3532.3	124.49	5.68

Propeller Thrust vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 18x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.36	6.60	816	86.9	3.06	13.16
20%	0.89	16.39	1,372	235.1	8.29	14.34
30%	1.89	34.91	1,868	462.6	16.30	13.25
40%	3.80	70.24	2,390	806.5	28.42	11.48
50%	6.67	123.38	2,890	1222.6	43.09	9.91
60%	10.75	198.89	3,370	1673.2	58.97	8.41
70%	15.75	291.34	3,782	2167.9	76.40	7.44
80%	22.21	410.85	4,177	2715.8	95.71	6.61
90%	29.60	547.53	4,548	3243.6	114.31	5.92
100%	33.64	622.38	4,710	3532.3	124.49	5.68

Propeller Efficiency vs Throttle Position

