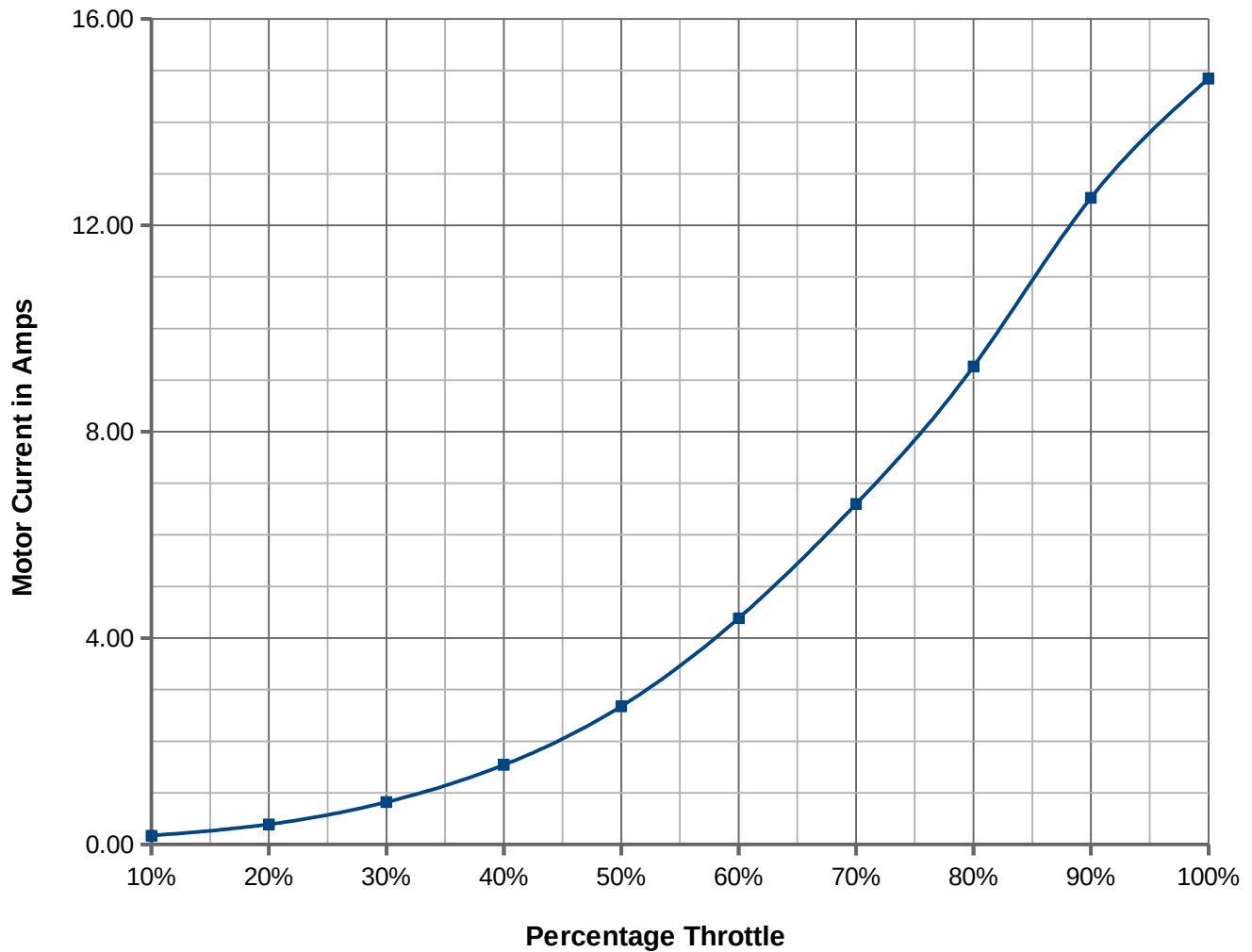


Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 18.5 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.16	1,265	33.2	1.17	10.49
20%	0.39	7.22	2,043	96.4	3.40	13.36
30%	0.82	15.19	2,840	196.0	6.91	12.90
40%	1.54	28.53	3,632	327.4	11.54	11.48
50%	2.68	49.54	4,416	498.5	17.57	10.06
60%	4.39	81.12	5,236	718.4	25.32	8.86
70%	6.60	122.08	5,980	958.2	33.77	7.85
80%	9.27	171.46	6,650	1211.3	42.69	7.06
90%	12.54	231.90	7,283	1482.4	52.24	6.39
100%	14.84	274.60	7,643	1652.2	58.23	6.02

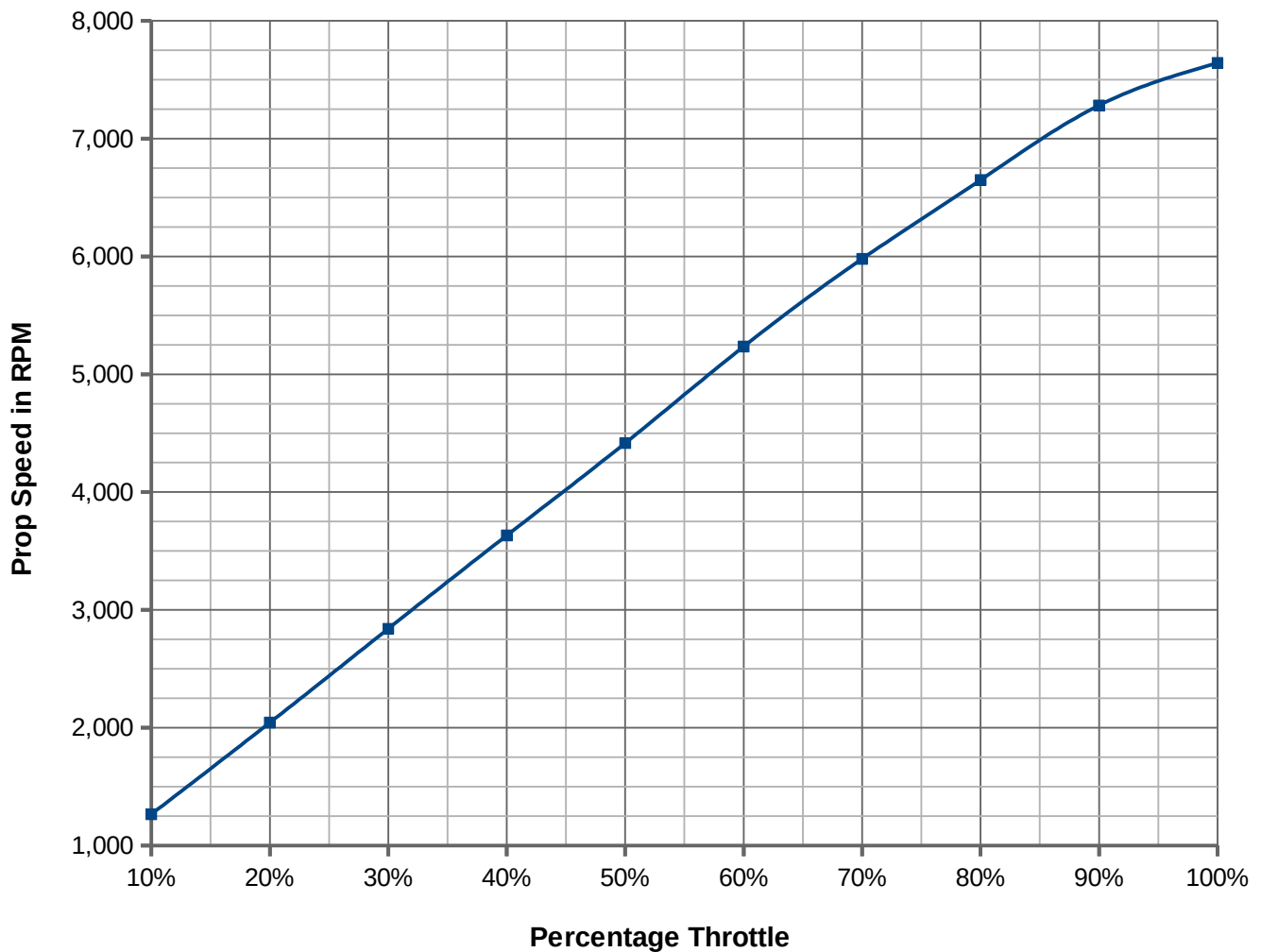
Motor Current vs Throttle Position



Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 18.5 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.16	1,265	33.2	1.17	10.49
20%	0.39	7.22	2,043	96.4	3.40	13.36
30%	0.82	15.19	2,840	196.0	6.91	12.90
40%	1.54	28.53	3,632	327.4	11.54	11.48
50%	2.68	49.54	4,416	498.5	17.57	10.06
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80%	9.27	171.46	6,650	1211.3	42.69	7.06
90%	12.54	231.90	7,283	1482.4	52.24	6.39
100%	14.84	274.60	7,643	1652.2	58.23	6.02

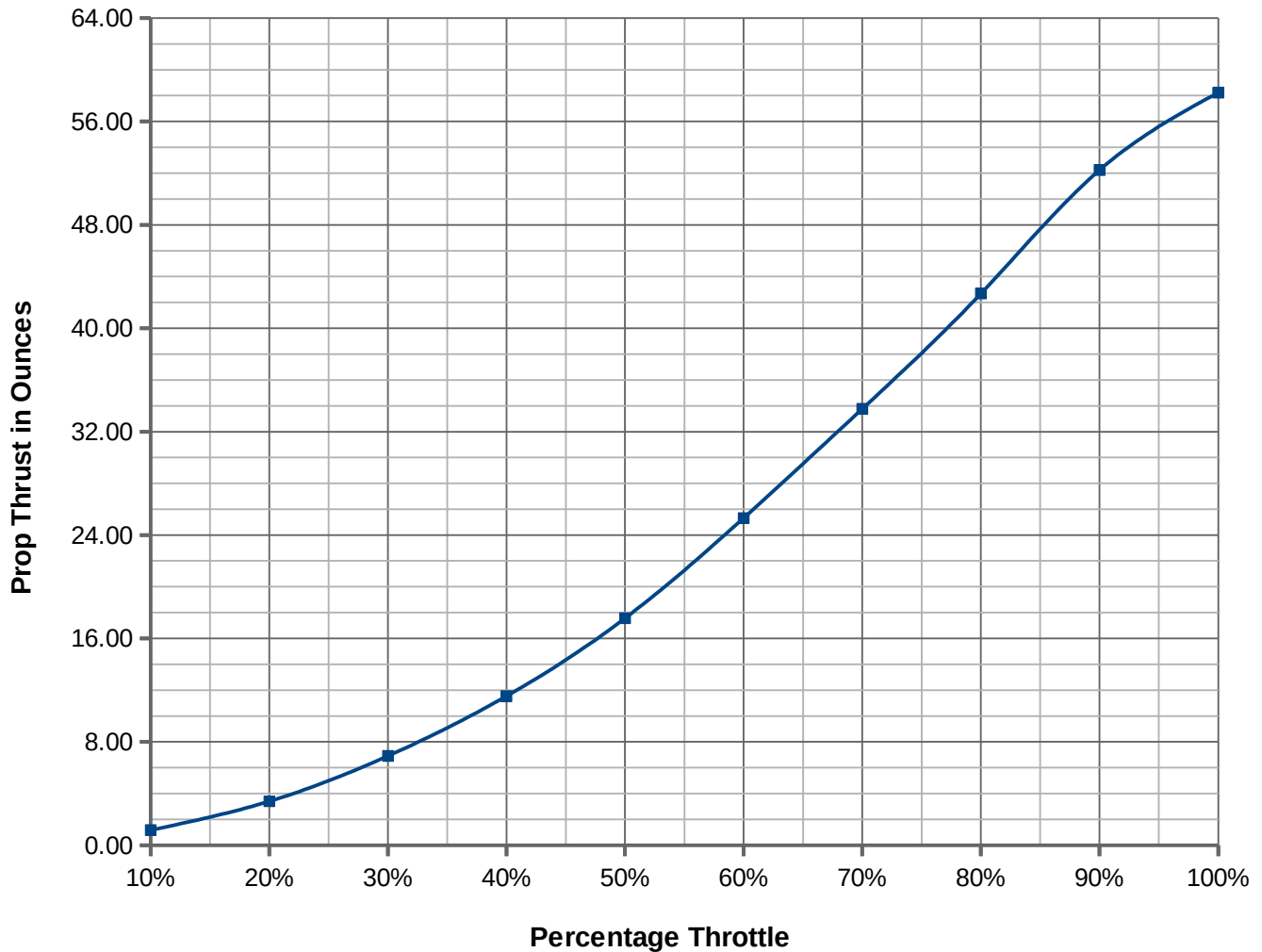
Propeller RPM vs Throttle Position



Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 18.5 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.16	1,265	33.2	1.17	10.49
20%	0.39	7.22	2,043	96.4	3.40	13.36
30%	0.82	15.19	2,840	196.0	6.91	12.90
40%	1.54	28.53	3,632	327.4	11.54	11.48
50%	2.68	49.54	4,416	498.5	17.57	10.06
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70%	6.60	122.08	5,980	958.2	33.77	7.85
80%	9.27	171.46	6,650	1211.3	42.69	7.06
90%	12.54	231.90	7,283	1482.4	52.24	6.39
100%	14.84	274.60	7,643	1652.2	58.23	6.02

Propeller Thrust vs Throttle Position



Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 18.5 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.16	1,265	33.2	1.17	10.49
20%	0.39	7.22	2,043	96.4	3.40	13.36
30%	0.82	15.19	2,840	196.0	6.91	12.90
40%	1.54	28.53	3,632	327.4	11.54	11.48
50%	2.68	49.54	4,416	498.5	17.57	10.06
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70%	6.60	122.08	5,980	958.2	33.77	7.85
80%	9.27	171.46	6,650	1211.3	42.69	7.06
90%	12.54	231.90	7,283	1482.4	52.24	6.39
100%	14.84	274.60	7,643	1652.2	58.23	6.02

Propeller Efficiency vs Throttle Position

