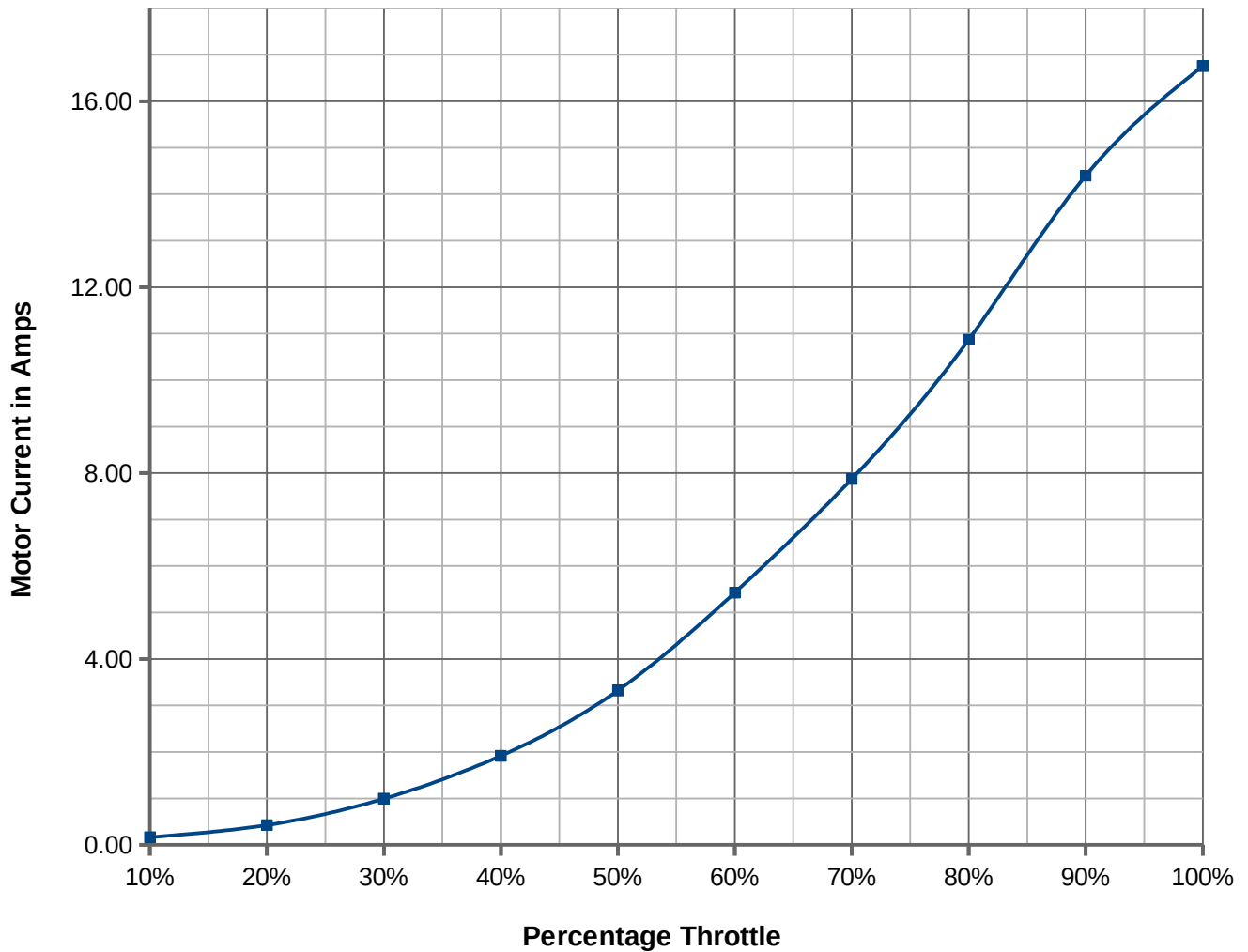


Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 18.5 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.05	1,153	37.1	1.31	12.15
20%	0.43	7.88	1,918	110.2	3.88	13.98
30%	0.99	18.37	2,775	228.2	8.04	12.42
40%	1.92	35.45	3,548	388.3	13.68	10.95
50%	3.32	61.44	4,348	597.4	21.05	9.72
60%	5.43	100.40	5,147	848.0	29.89	8.45
70%	7.87	145.65	5,841	1096.3	38.64	7.53
80%	10.87	201.13	6,474	1352.7	47.67	6.73
90%	14.40	266.42	7,022	1627.8	57.37	6.11
100%	16.76	310.00	7,338	1779.3	62.71	5.74

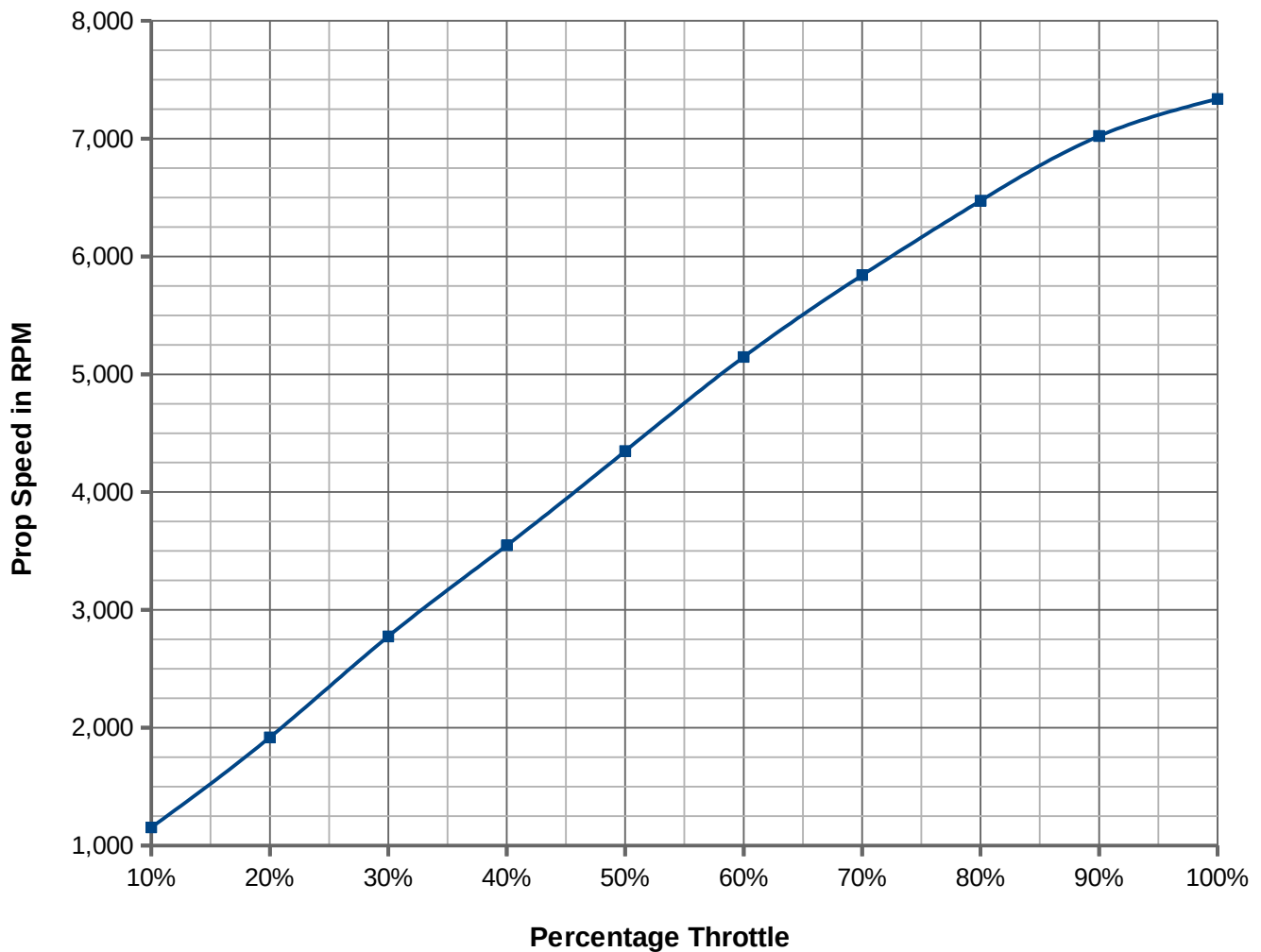
Motor Current vs Throttle Position



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

Data Collected at 18.5 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
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20%	0.43	7.88	1,918	110.2	3.88	13.98
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100%	16.76	310.00	7,338	1779.3	62.71	5.74

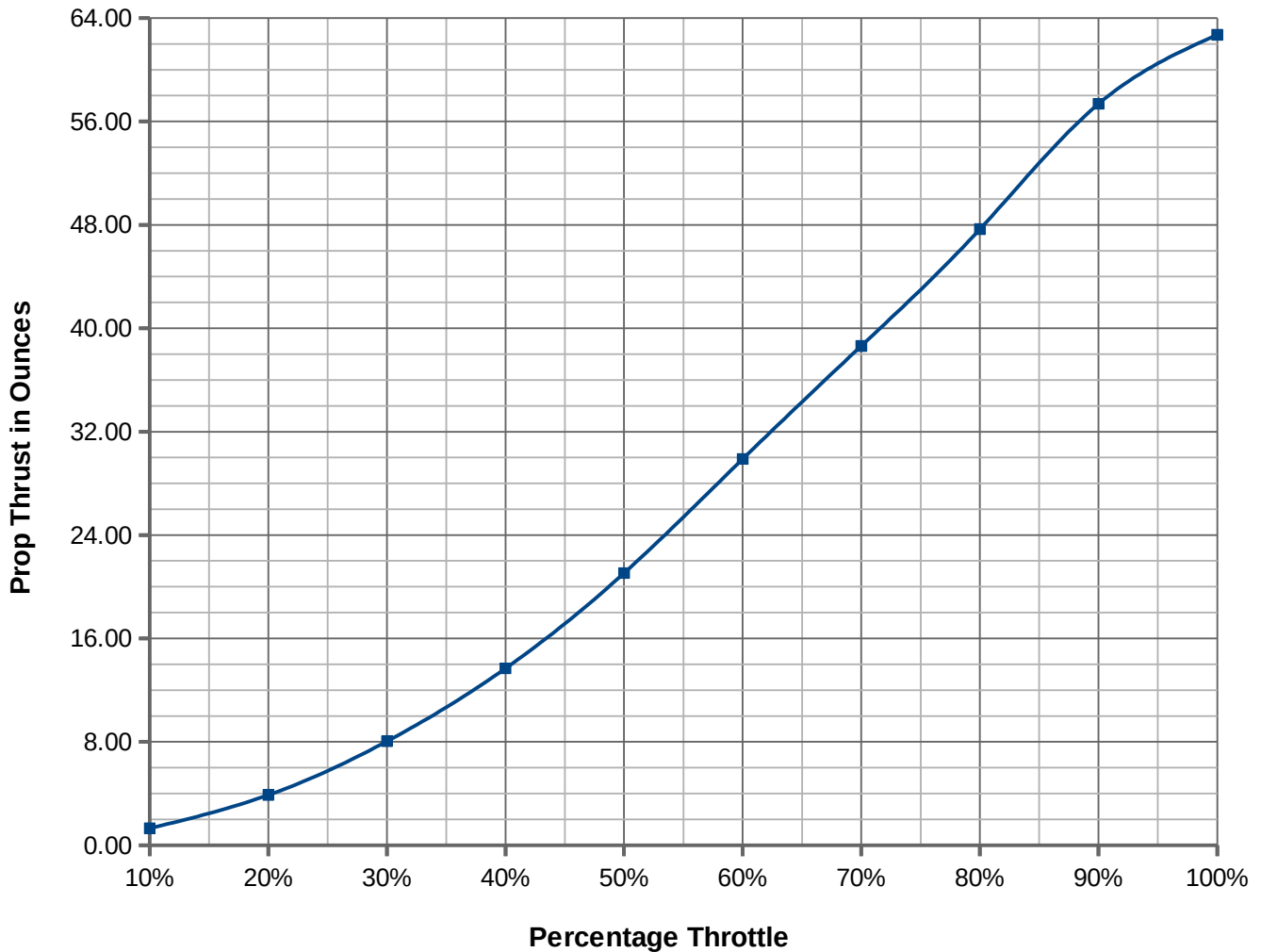
Propeller RPM vs Throttle Position



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

Data Collected at 18.5 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.05	1,153	37.1	1.31	12.15
20%	0.43	7.88	1,918	110.2	3.88	13.98
30%	0.99	18.37	2,775	228.2	8.04	12.42
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80%	10.87	201.13	6,474	1352.7	47.67	6.73
90%	14.40	266.42	7,022	1627.8	57.37	6.11
100%	16.76	310.00	7,338	1779.3	62.71	5.74

Propeller Thrust vs Throttle Position



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

Data Collected at 18.5 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.05	1,153	37.1	1.31	12.15
20%	0.43	7.88	1,918	110.2	3.88	13.98
30%	0.99	18.37	2,775	228.2	8.04	12.42
40%	1.92	35.45	3,548	388.3	13.68	10.95
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80%	10.87	201.13	6,474	1352.7	47.67	6.73
90%	14.40	266.42	7,022	1627.8	57.37	6.11
100%	16.76	310.00	7,338	1779.3	62.71	5.74

Propeller Efficiency vs Throttle Position

