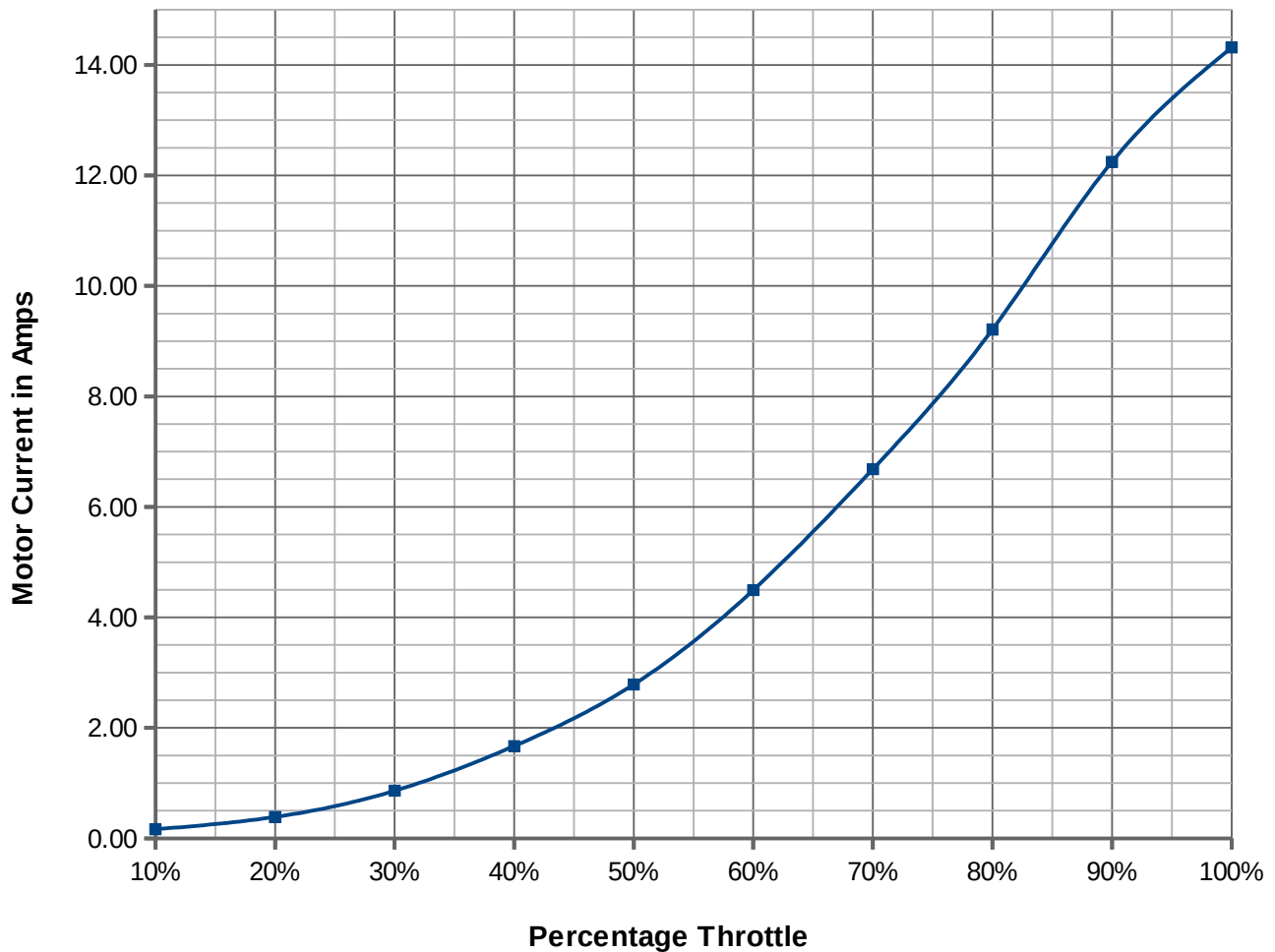


Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with GemFan 14x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.66	1,110	41.0	1.44	11.19
20%	0.39	8.59	1,795	115.8	4.08	13.48
30%	0.86	19.14	2,563	251.1	8.85	13.12
40%	1.67	37.10	3,304	429.1	15.12	11.57
50%	2.79	61.85	4,000	649.3	22.88	10.50
60%	4.50	99.79	4,742	910.8	32.10	9.13
70%	6.68	148.36	5,408	1211.3	42.69	8.16
80%	9.21	204.48	6,025	1501.0	52.90	7.34
90%	12.25	271.88	6,609	1794.9	63.26	6.60
100%	14.32	317.82	6,913	1992.7	70.23	6.27

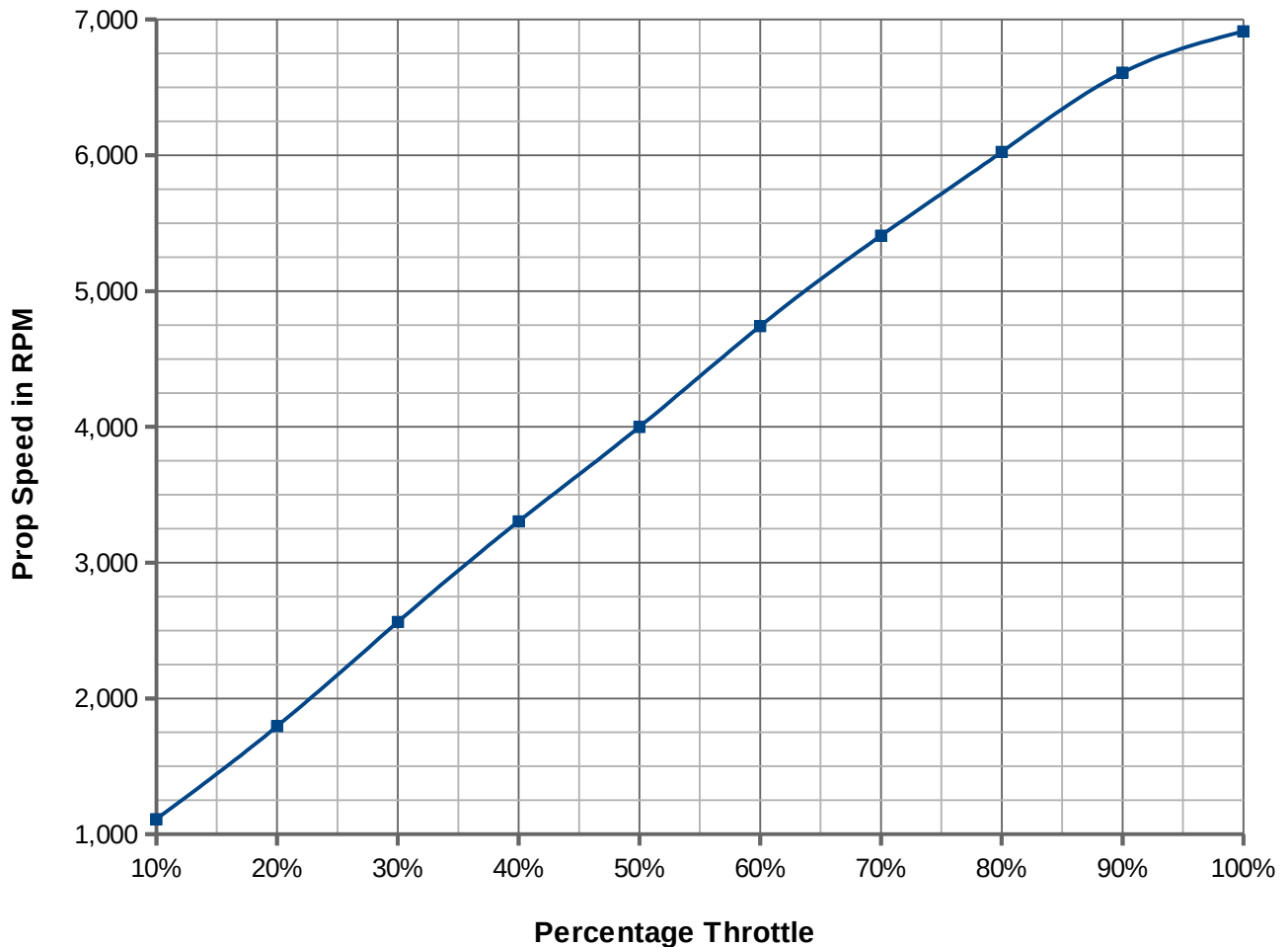
Motor Current vs Throttle Position



Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with GemFan 14x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
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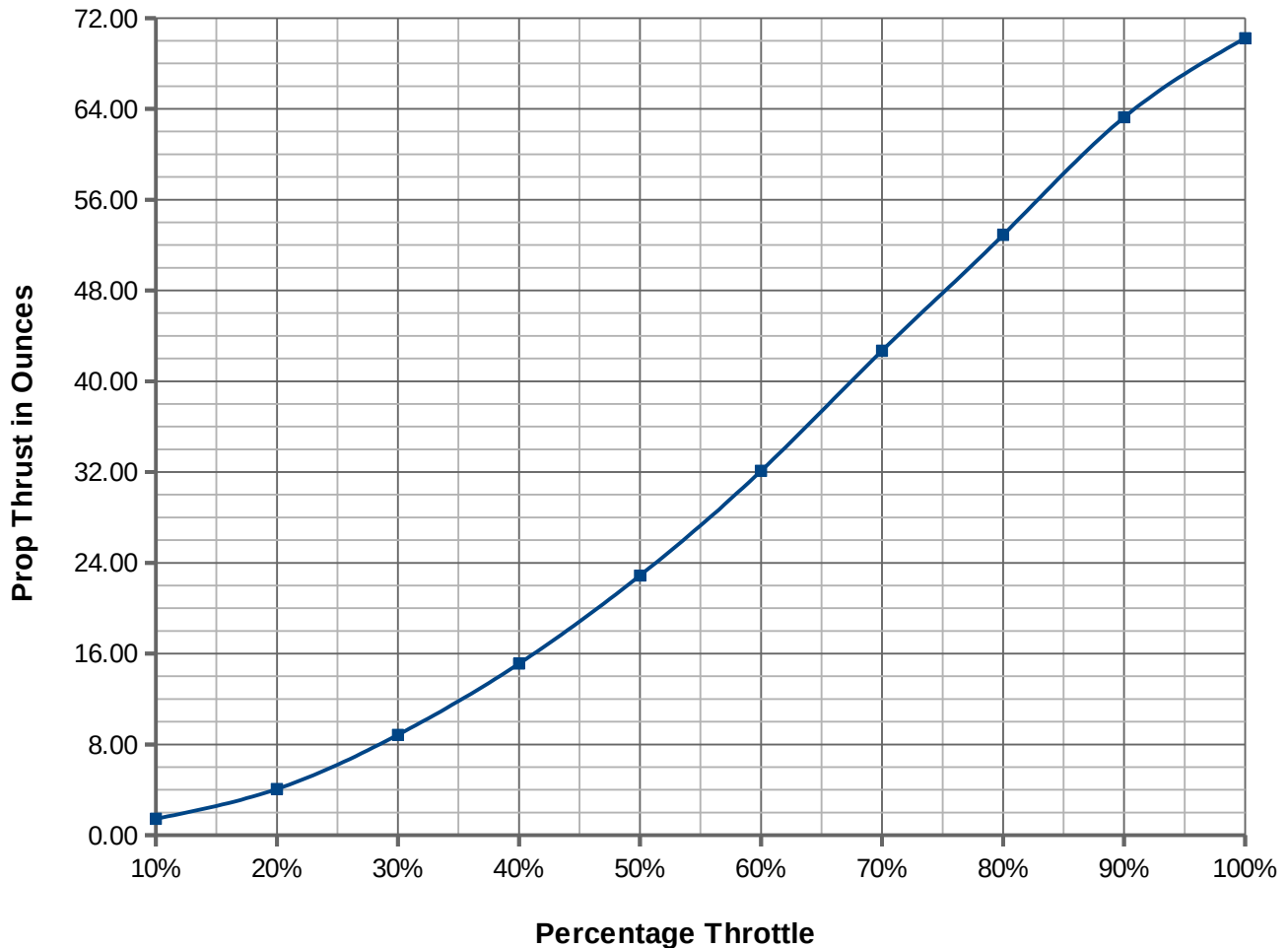
Propeller RPM vs Throttle Position



Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with GemFan 14x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.66	1,110	41.0	1.44	11.19
20%	0.39	8.59	1,795	115.8	4.08	13.48
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80%	9.21	204.48	6,025	1501.0	52.90	7.34
90%	12.25	271.88	6,609	1794.9	63.26	6.60
100%	14.32	317.82	6,913	1992.7	70.23	6.27

Propeller Thrust vs Throttle Position



Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with GemFan 14x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.66	1,110	41.0	1.44	11.19
20%	0.39	8.59	1,795	115.8	4.08	13.48
30%	0.86	19.14	2,563	251.1	8.85	13.12
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80%	9.21	204.48	6,025	1501.0	52.90	7.34
90%	12.25	271.88	6,609	1794.9	63.26	6.60
100%	14.32	317.82	6,913	1992.7	70.23	6.27

Propeller Efficiency vs Throttle Position

