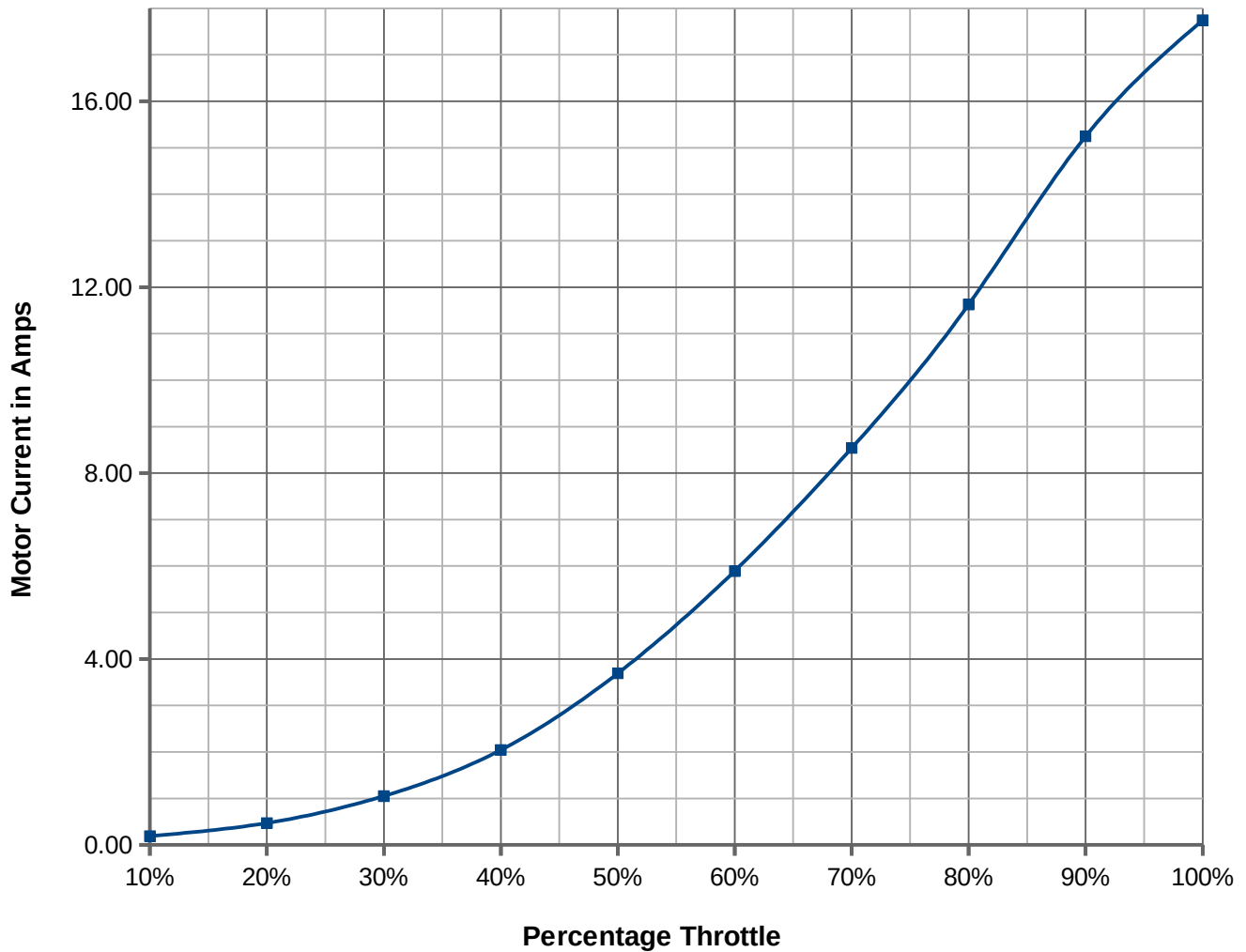


Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 22.2 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,495	42.7	1.50	10.12
20%	0.47	10.43	2,393	118.6	4.18	11.37
30%	1.05	23.31	3,357	249.3	8.79	10.69
40%	2.04	45.33	4,326	433.6	15.28	9.56
50%	3.69	81.94	5,350	692.8	24.42	8.45
60%	5.89	130.80	6,281	973.7	34.32	7.44
70%	8.54	189.52	7,116	1257.9	44.33	6.64
80%	11.63	258.16	7,852	1552.8	54.72	6.01
90%	15.25	338.48	8,532	1828.6	64.44	5.40
100%	17.74	393.87	8,911	2013.3	70.95	5.11

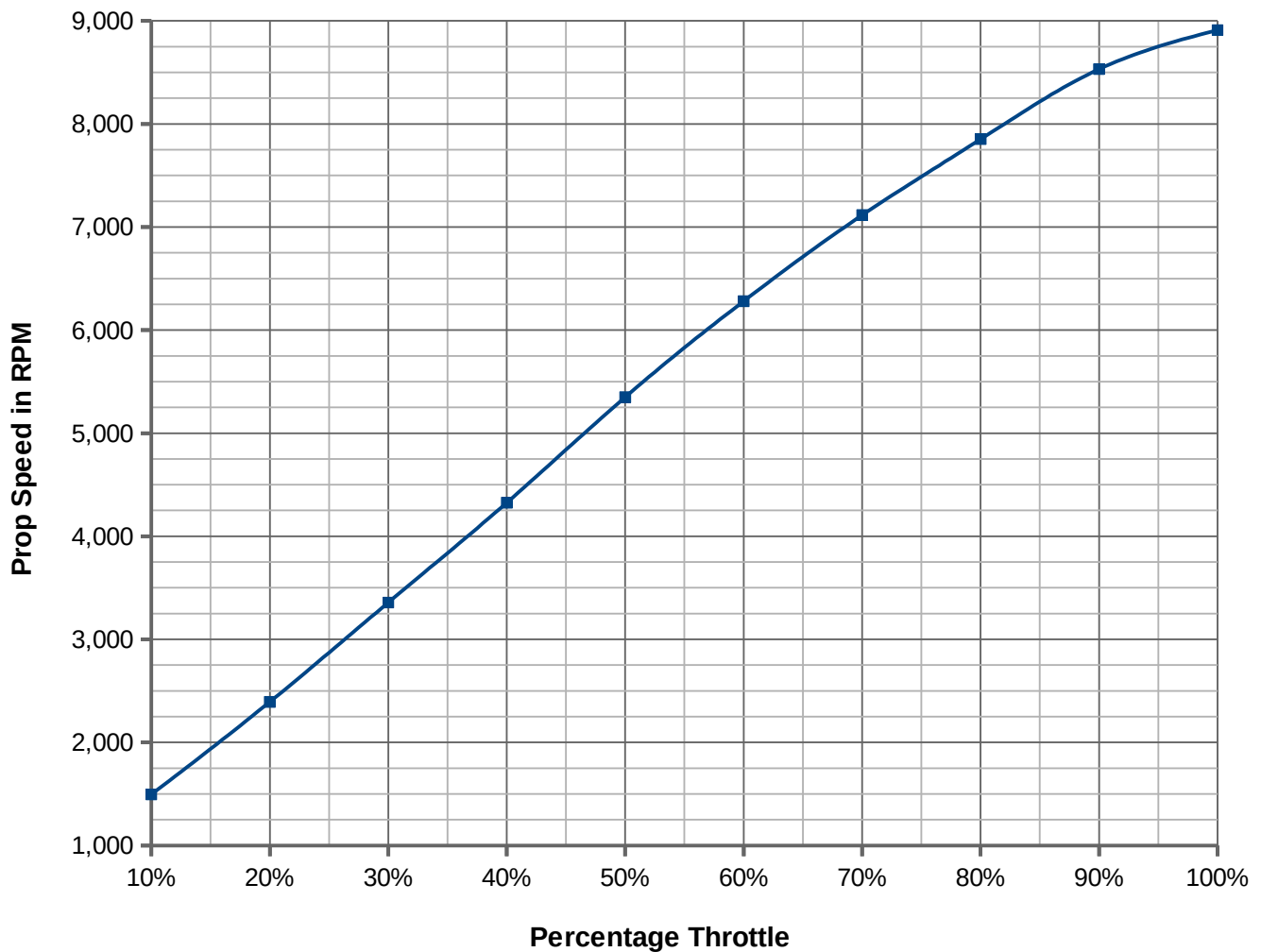
Motor Current vs Throttle Position



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

Data Collected at 22.2 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,495	42.7	1.50	10.12
20%	0.47	10.43	2,393	118.6	4.18	11.37
30%	1.05	23.31	3,357	249.3	8.79	10.69
40%	2.04	45.33	4,326	433.6	15.28	9.56
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90%	15.25	338.48	8,532	1828.6	64.44	5.40
100%	17.74	393.87	8,911	2013.3	70.95	5.11

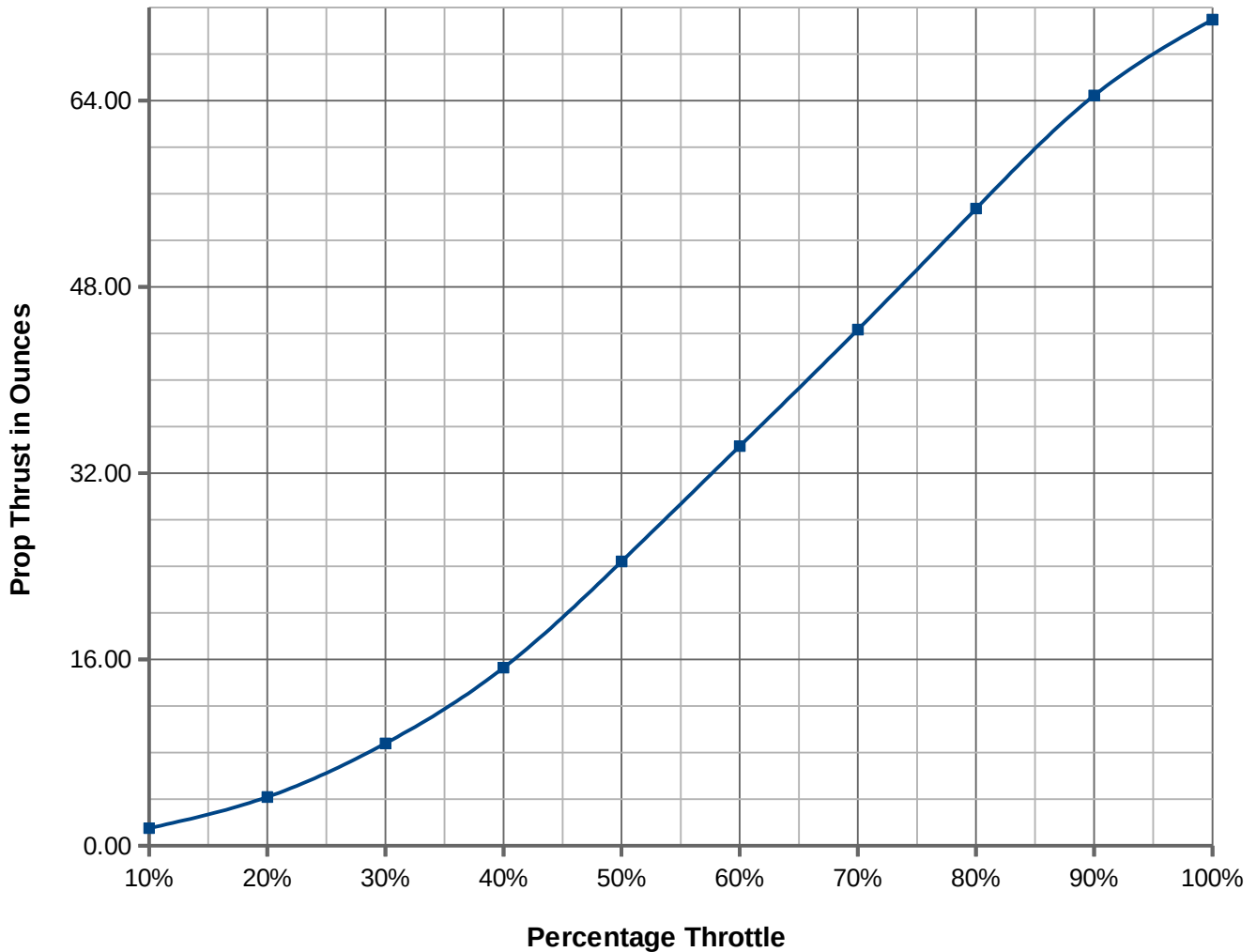
Propeller RPM vs Throttle Position



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

Data Collected at 22.2 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,495	42.7	1.50	10.12
20%	0.47	10.43	2,393	118.6	4.18	11.37
30%	1.05	23.31	3,357	249.3	8.79	10.69
40%	2.04	45.33	4,326	433.6	15.28	9.56
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70%	8.54	189.52	7,116	1257.9	44.33	6.64
80%	11.63	258.16	7,852	1552.8	54.72	6.01
90%	15.25	338.48	8,532	1828.6	64.44	5.40
100%	17.74	393.87	8,911	2013.3	70.95	5.11

Propeller Thrust vs Throttle Position



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

Data Collected at 22.2 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,495	42.7	1.50	10.12
20%	0.47	10.43	2,393	118.6	4.18	11.37
30%	1.05	23.31	3,357	249.3	8.79	10.69
40%	2.04	45.33	4,326	433.6	15.28	9.56
50%	3.69	81.94	5,350	692.8	24.42	8.45
60%	5.89	130.80	6,281	973.7	34.32	7.44
70%	8.54	189.52	7,116	1257.9	44.33	6.64
80%	11.63	258.16	7,852	1552.8	54.72	6.01
90%	15.25	338.48	8,532	1828.6	64.44	5.40
100%	17.74	393.87	8,911	2013.3	70.95	5.11

Propeller Efficiency vs Throttle Position

