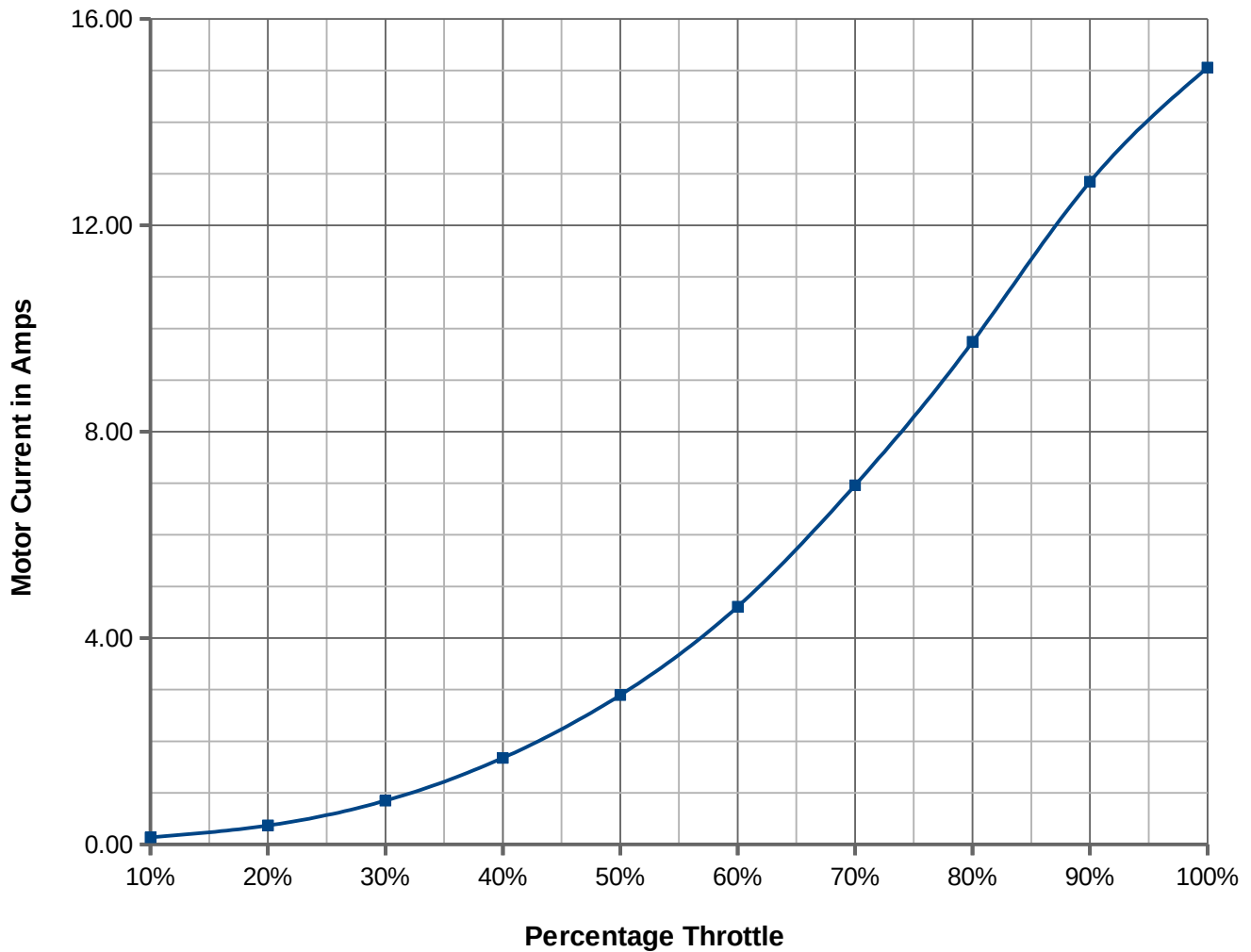


Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 14.8 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	2.04	846	27.8	0.98	13.61
20%	0.37	5.45	1,490	83.9	2.96	15.40
30%	0.85	12.55	2,171	177.3	6.25	14.13
40%	1.68	24.82	2,829	314.9	11.10	12.69
50%	2.89	42.83	3,436	475.4	16.75	11.10
60%	4.61	68.21	4,049	692.1	24.39	10.15
70%	6.96	103.04	4,625	925.9	32.63	8.99
80%	9.74	144.18	5,140	1158.1	40.81	8.03
90%	12.85	190.14	5,599	1384.0	48.78	7.28
100%	15.06	222.83	5,855	1528.0	53.85	6.86

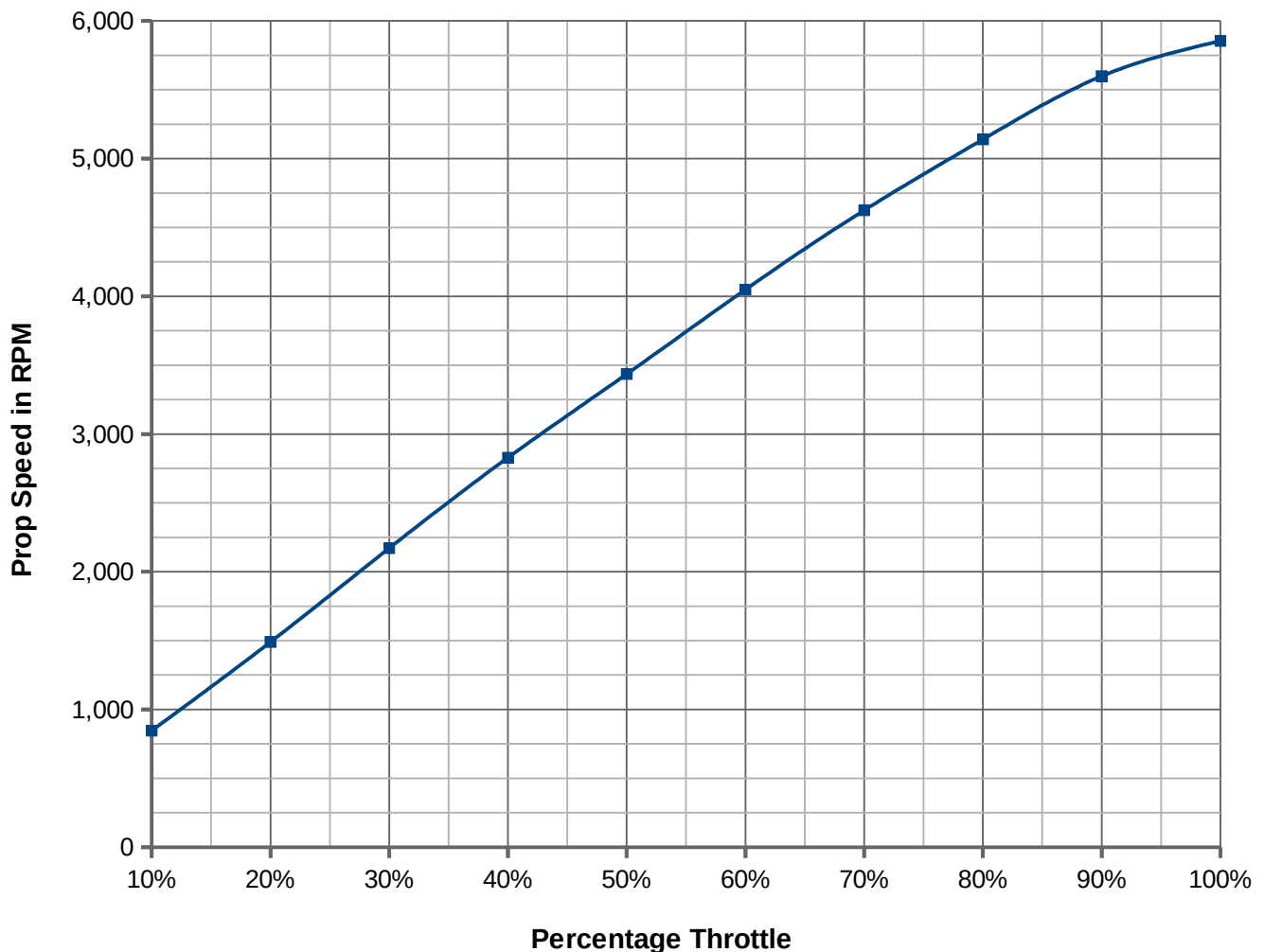
Motor Current vs Throttle Position



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

Data Collected at 14.8 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	2.04	846	27.8	0.98	13.61
20%	0.37	5.45	1,490	83.9	2.96	15.40
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100%	15.06	222.83	5,855	1528.0	53.85	6.86

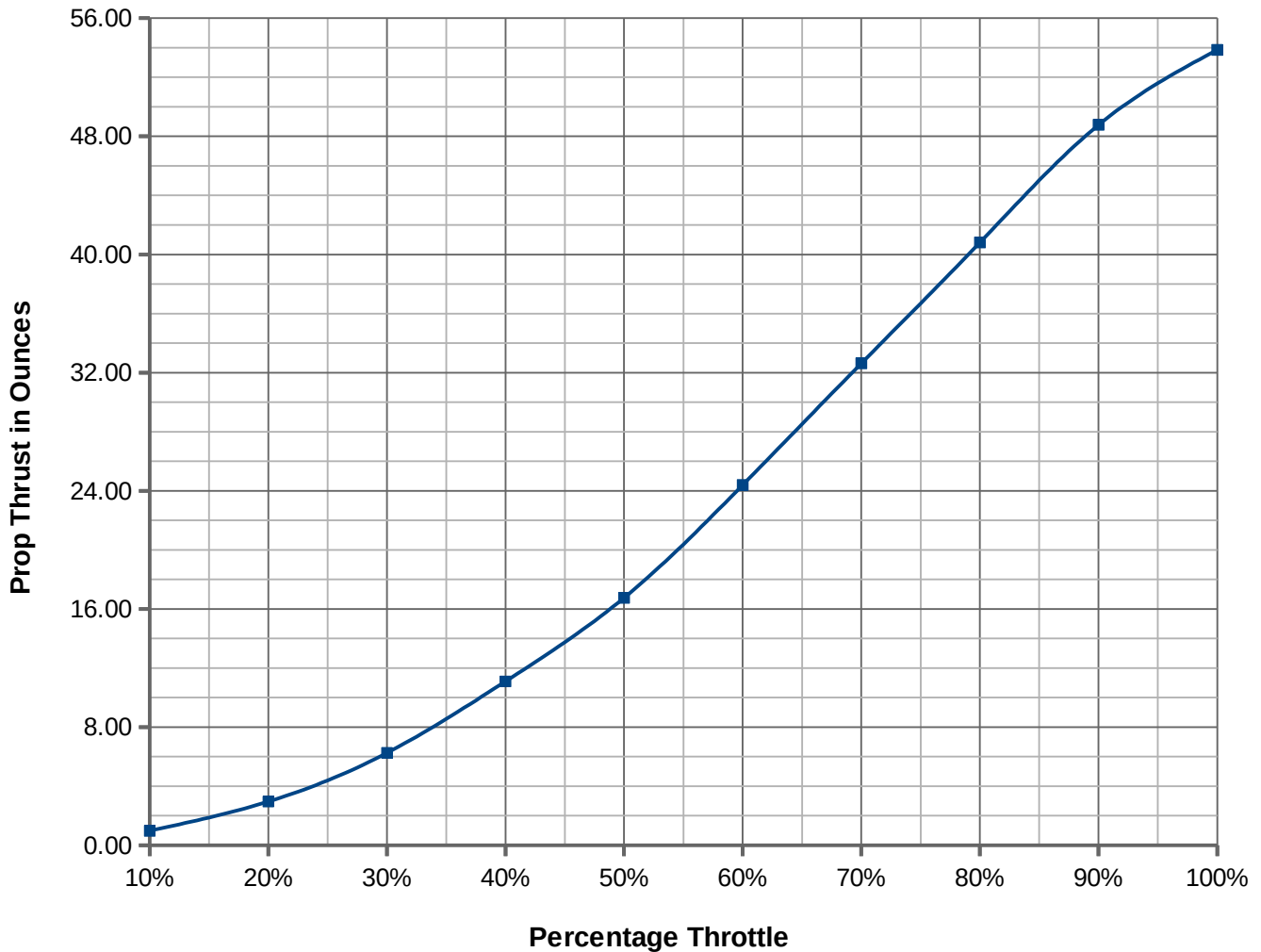
Propeller RPM vs Throttle Position



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

Data Collected at 14.8 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	2.04	846	27.8	0.98	13.61
20%	0.37	5.45	1,490	83.9	2.96	15.40
30%	0.85	12.55	2,171	177.3	6.25	14.13
40%	1.68	24.82	2,829	314.9	11.10	12.69
50%	2.89	42.83	3,436	475.4	16.75	11.10
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70%	6.96	103.04	4,625	925.9	32.63	8.99
80%	9.74	144.18	5,140	1158.1	40.81	8.03
90%	12.85	190.14	5,599	1384.0	48.78	7.28
100%	15.06	222.83	5,855	1528.0	53.85	6.86

Propeller Thrust vs Throttle Position



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

Data Collected at 14.8 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	2.04	846	27.8	0.98	13.61
20%	0.37	5.45	1,490	83.9	2.96	15.40
30%	0.85	12.55	2,171	177.3	6.25	14.13
40%	1.68	24.82	2,829	314.9	11.10	12.69
50%	2.89	42.83	3,436	475.4	16.75	11.10
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70%	6.96	103.04	4,625	925.9	32.63	8.99
80%	9.74	144.18	5,140	1158.1	40.81	8.03
90%	12.85	190.14	5,599	1384.0	48.78	7.28
100%	15.06	222.83	5,855	1528.0	53.85	6.86

Propeller Efficiency vs Throttle Position

