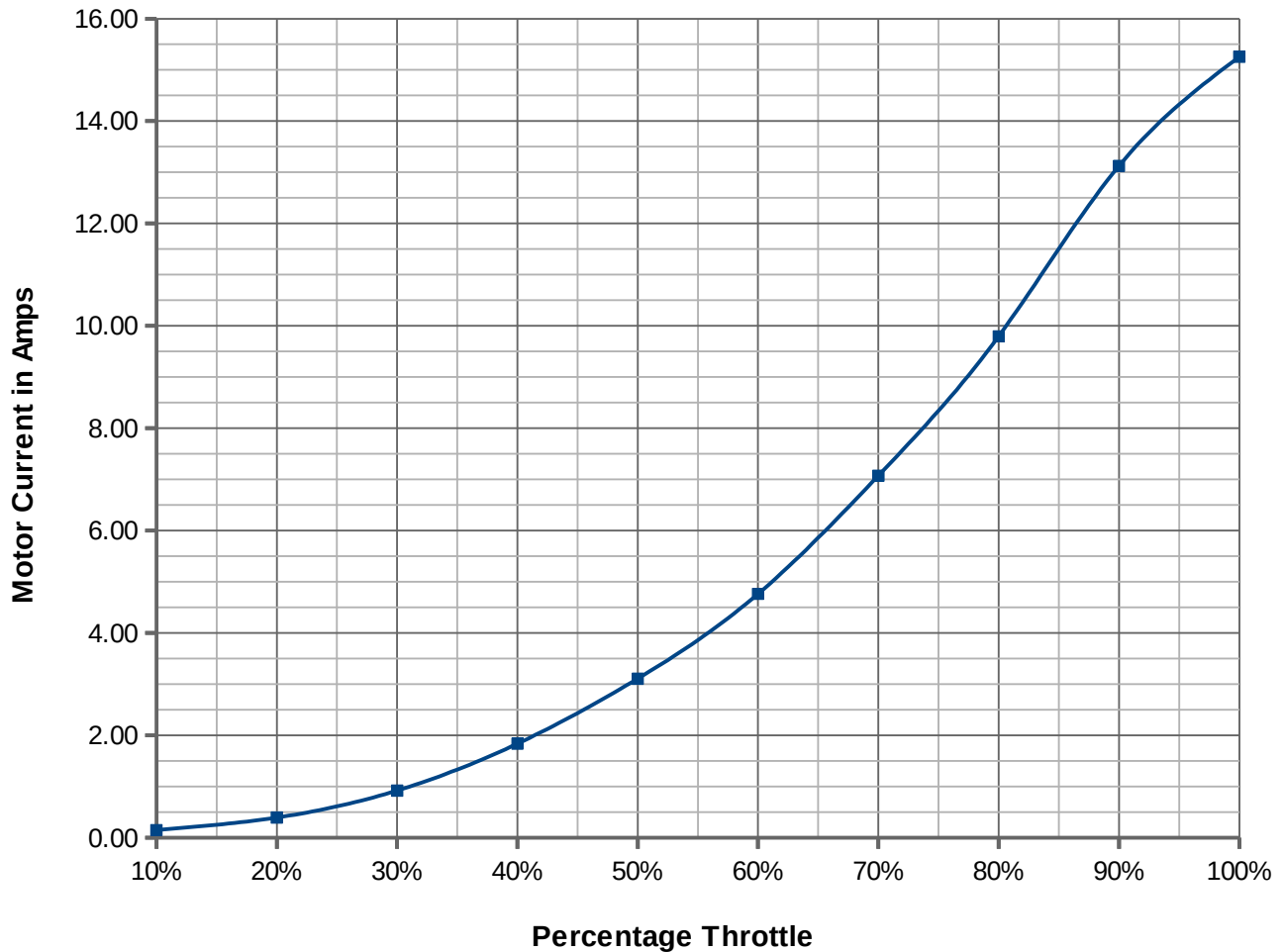


Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 18.5 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.15	2.76	807	25.9	0.91	9.40
20%	0.39	7.27	1,418	107.0	3.77	14.72
30%	0.92	17.02	2,058	244.9	8.63	14.39
40%	1.84	33.98	2,663	429.1	15.12	12.63
50%	3.11	57.46	3,224	639.1	22.52	11.12
60%	4.76	88.08	3,773	878.5	30.96	9.97
70%	7.07	130.81	4,312	1153.0	40.63	8.81
80%	9.80	181.23	4,790	1426.6	50.28	7.87
90%	13.13	242.83	5,238	1733.5	61.09	7.14
100%	15.26	282.25	5,485	1877.6	66.17	6.65

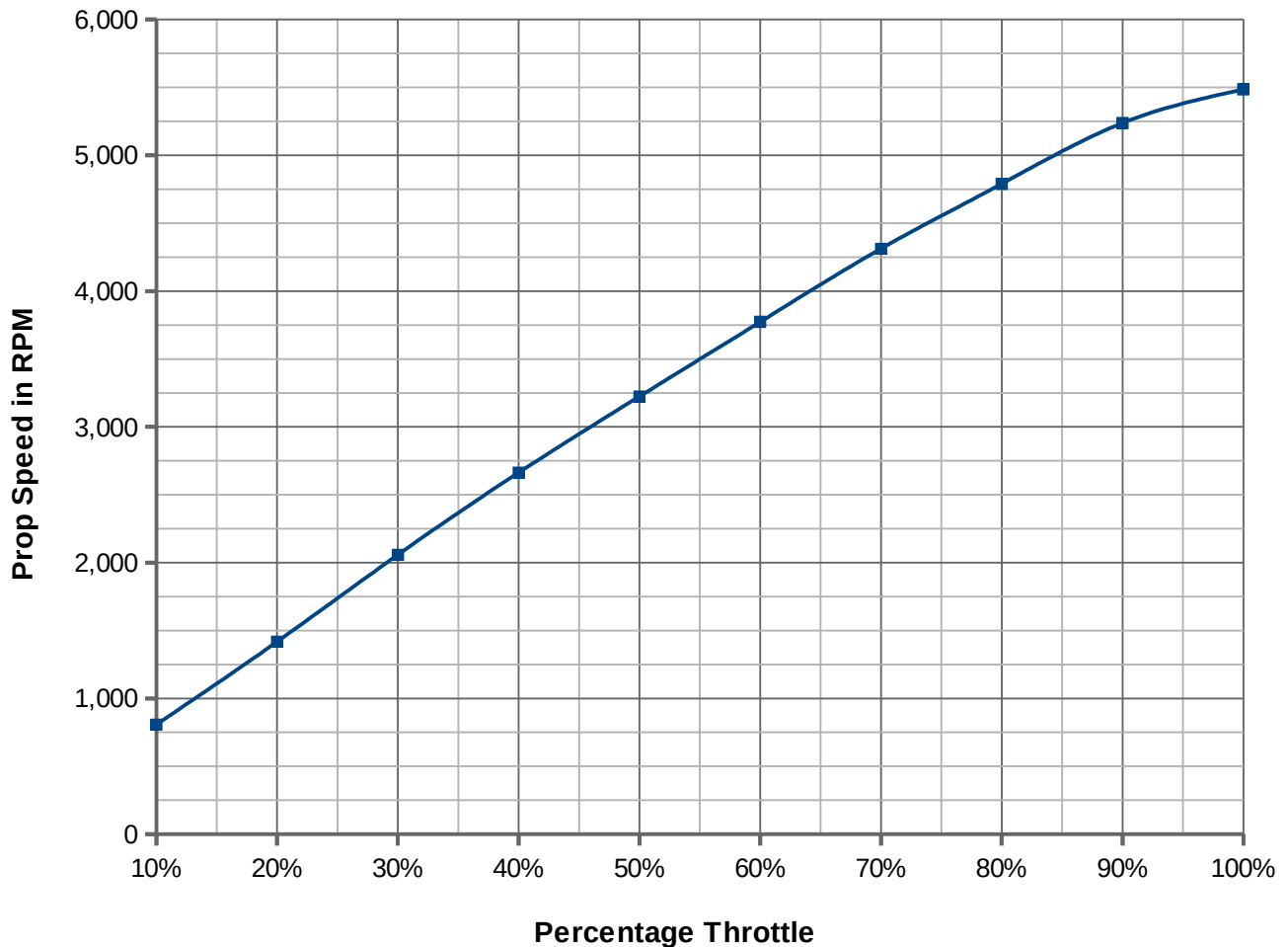
Motor Current vs Throttle Position



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

Data Collected at 18.5 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
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20%	0.39	7.27	1,418	107.0	3.77	14.72
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80%	9.80	181.23	4,790	1426.6	50.28	7.87
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100%	15.26	282.25	5,485	1877.6	66.17	6.65

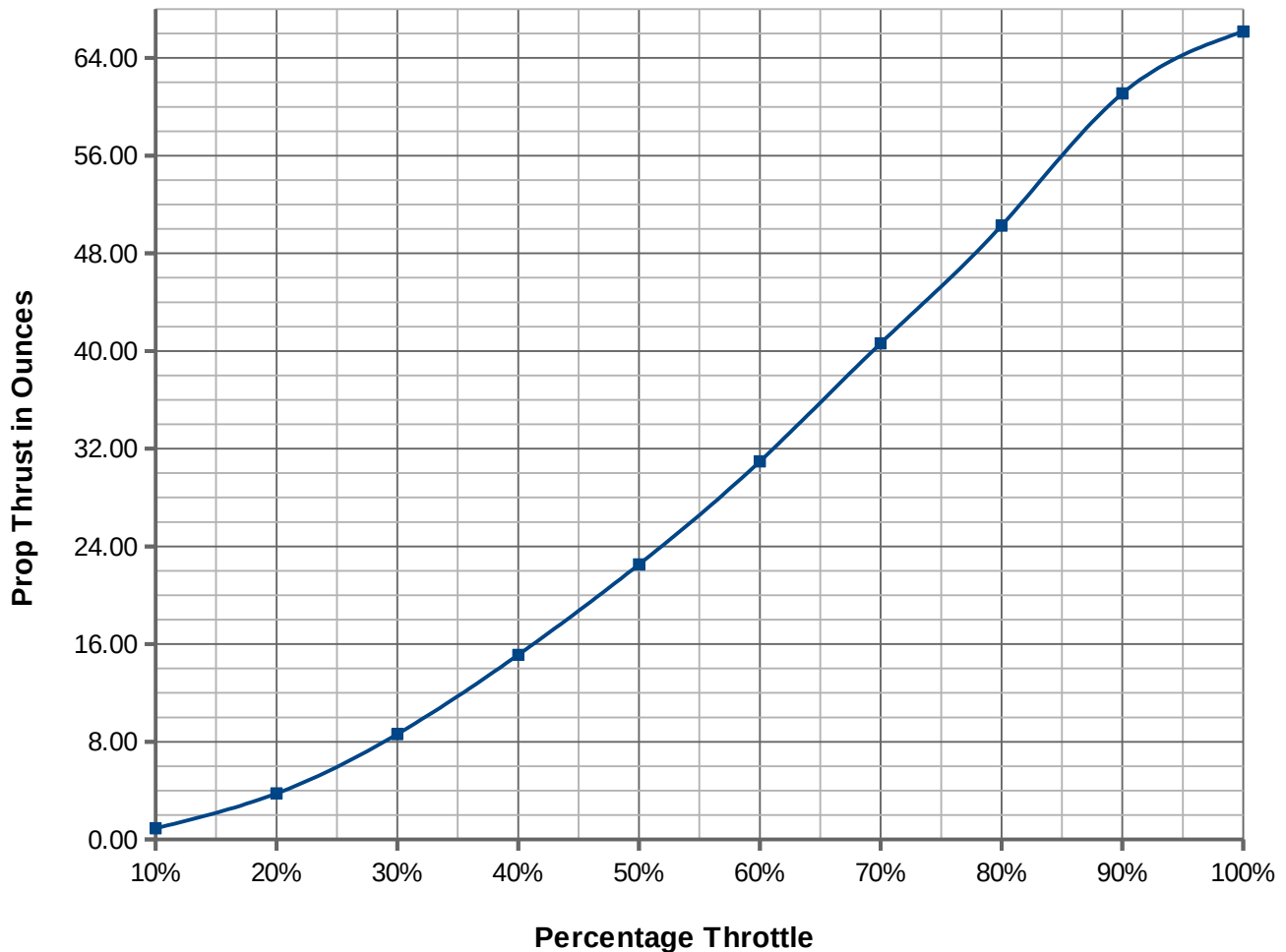
Propeller RPM vs Throttle Position



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

Data Collected at 18.5 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.15	2.76	807	25.9	0.91	9.40
20%	0.39	7.27	1,418	107.0	3.77	14.72
30%	0.92	17.02	2,058	244.9	8.63	14.39
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80%	9.80	181.23	4,790	1426.6	50.28	7.87
90%	13.13	242.83	5,238	1733.5	61.09	7.14
100%	15.26	282.25	5,485	1877.6	66.17	6.65

Propeller Thrust vs Throttle Position



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

Data Collected at 18.5 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.15	2.76	807	25.9	0.91	9.40
20%	0.39	7.27	1,418	107.0	3.77	14.72
30%	0.92	17.02	2,058	244.9	8.63	14.39
40%	1.84	33.98	2,663	429.1	15.12	12.63
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90%	13.13	242.83	5,238	1733.5	61.09	7.14
100%	15.26	282.25	5,485	1877.6	66.17	6.65

Propeller Efficiency vs Throttle Position

