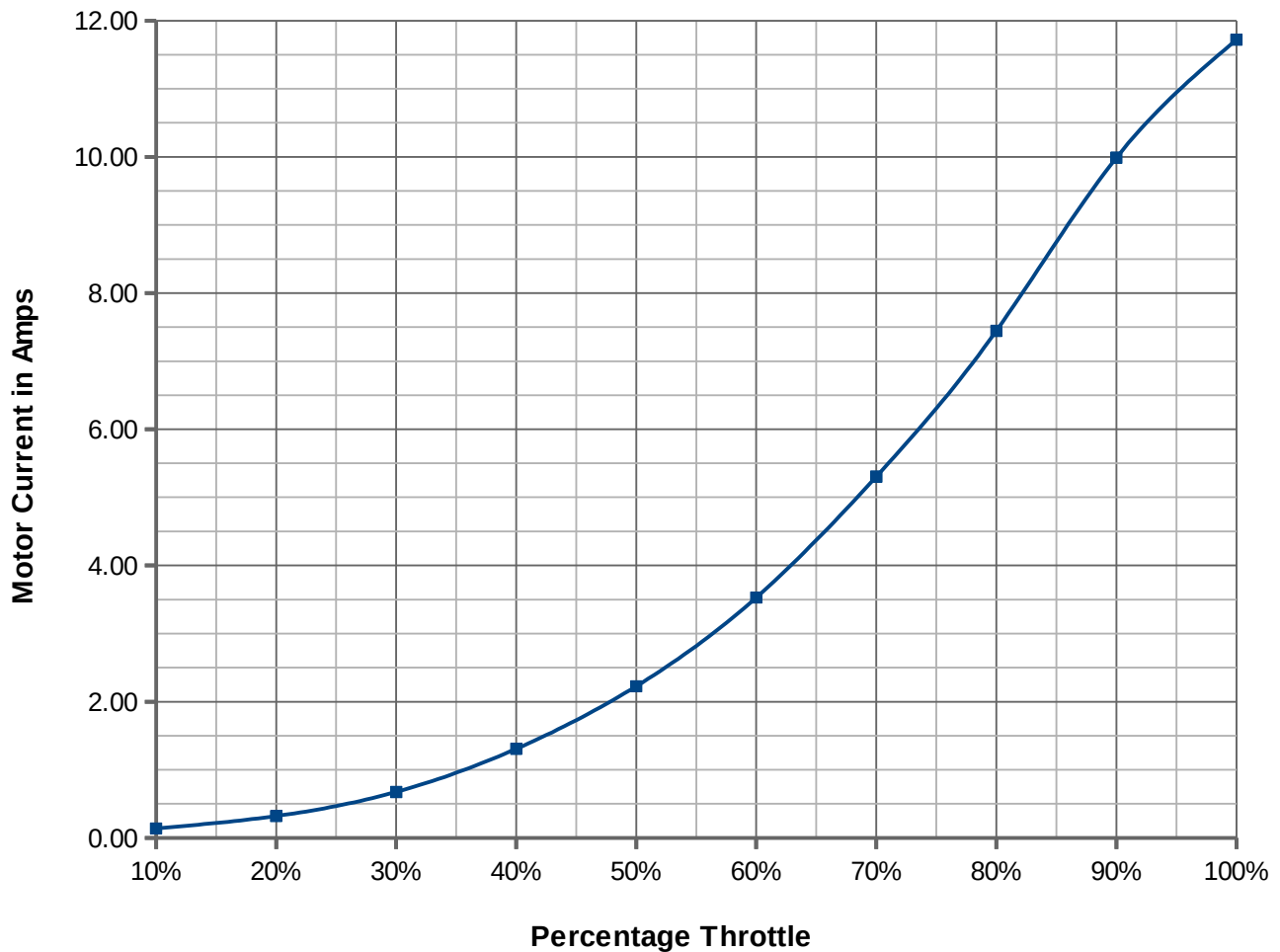


Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 18.5 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	2.57	909	25.6	0.90	9.96
20%	0.32	5.94	1,491	84.1	2.96	14.16
30%	0.68	12.49	2,132	178.9	6.30	14.33
40%	1.31	24.20	2,790	313.3	11.04	12.95
50%	2.23	41.20	3,379	478.1	16.85	11.60
60%	3.53	65.29	3,977	681.3	24.01	10.44
70%	5.31	98.14	4,573	926.2	32.64	9.44
80%	7.45	137.75	5,117	1173.9	41.37	8.52
90%	9.99	184.78	5,613	1442.4	50.83	7.81
100%	11.72	216.80	5,905	1600.5	56.41	7.38

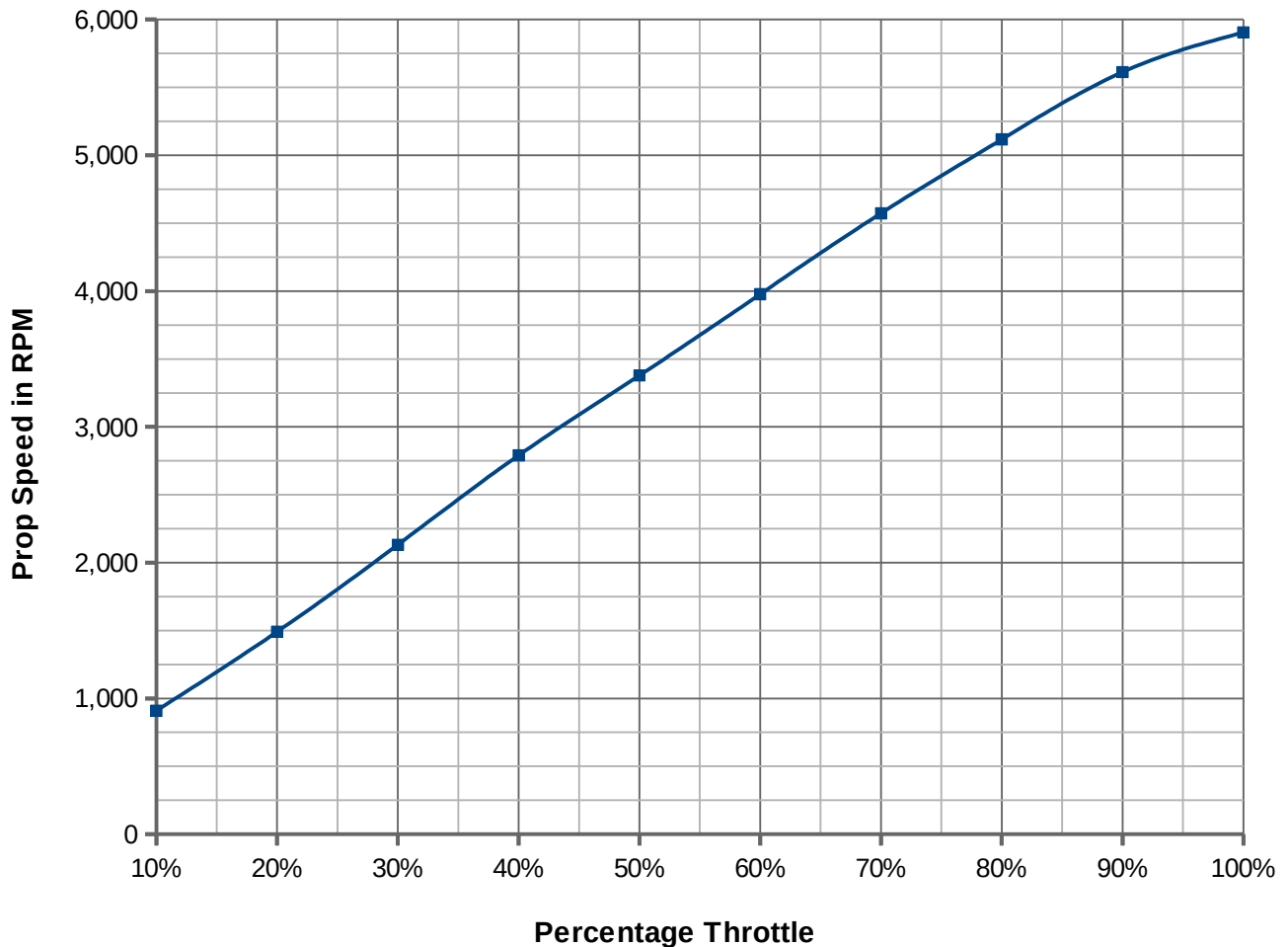
Motor Current vs Throttle Position



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

Data Collected at 18.5 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	2.57	909	25.6	0.90	9.96
20%	0.32	5.94	1,491	84.1	2.96	14.16
30%	0.68	12.49	2,132	178.9	6.30	14.33
40%	1.31	24.20	2,790	313.3	11.04	12.95
50%	2.23	41.20	3,379	478.1	16.85	11.60
60%	3.53	65.29	3,977	681.3	24.01	10.44
70%	5.31	98.14	4,573	926.2	32.64	9.44
80%	7.45	137.75	5,117	1173.9	41.37	8.52
90%	9.99	184.78	5,613	1442.4	50.83	7.81
100%	11.72	216.80	5,905	1600.5	56.41	7.38

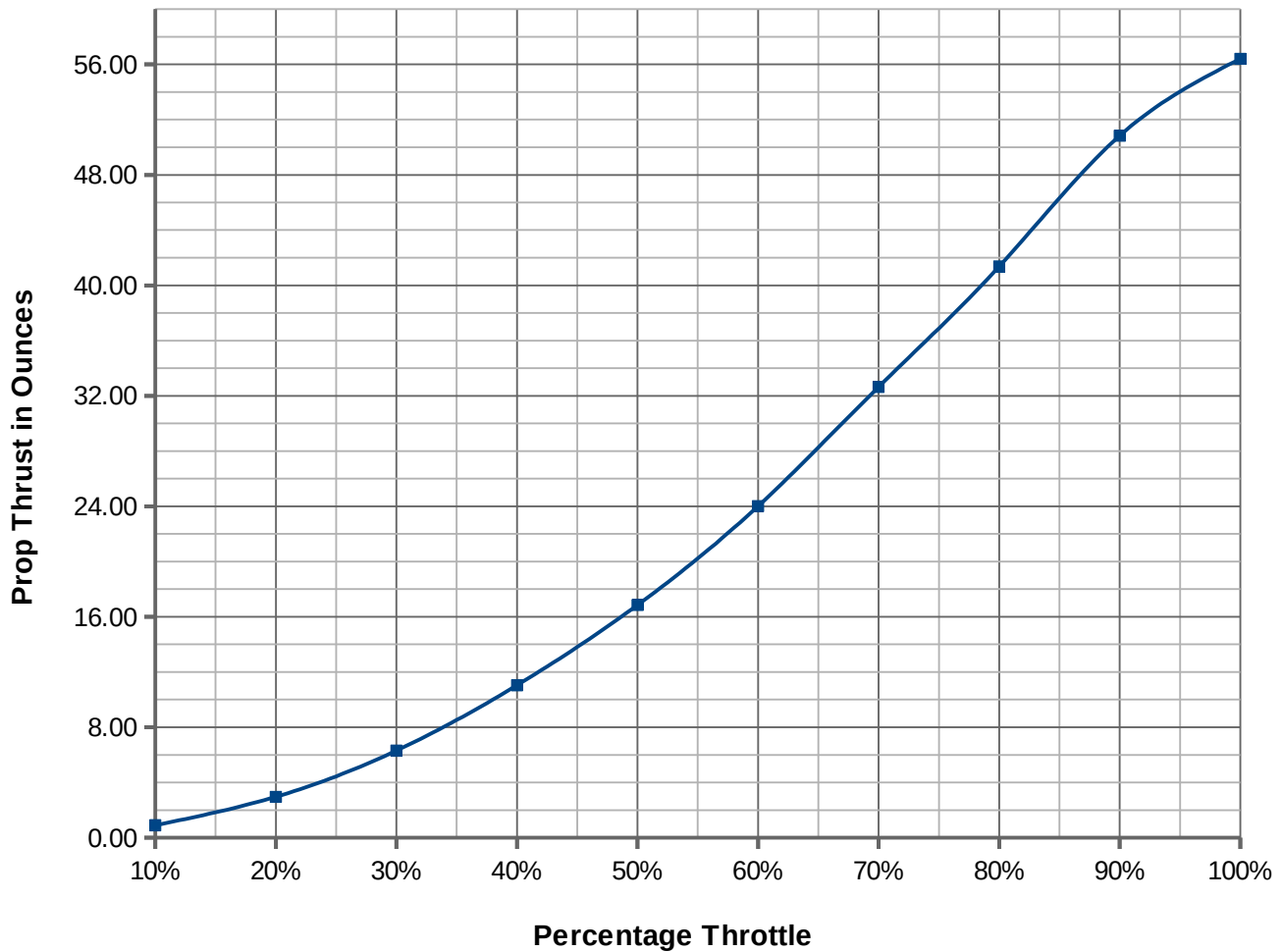
Propeller RPM vs Throttle Position



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

Data Collected at 18.5 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	2.57	909	25.6	0.90	9.96
20%	0.32	5.94	1,491	84.1	2.96	14.16
30%	0.68	12.49	2,132	178.9	6.30	14.33
40%	1.31	24.20	2,790	313.3	11.04	12.95
50%	2.23	41.20	3,379	478.1	16.85	11.60
60%	3.53	65.29	3,977	681.3	24.01	10.44
70%	5.31	98.14	4,573	926.2	32.64	9.44
80%	7.45	137.75	5,117	1173.9	41.37	8.52
90%	9.99	184.78	5,613	1442.4	50.83	7.81
100%	11.72	216.80	5,905	1600.5	56.41	7.38

Propeller Thrust vs Throttle Position



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

Data Collected at 18.5 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	2.57	909	25.6	0.90	9.96
20%	0.32	5.94	1,491	84.1	2.96	14.16
30%	0.68	12.49	2,132	178.9	6.30	14.33
40%	1.31	24.20	2,790	313.3	11.04	12.95
50%	2.23	41.20	3,379	478.1	16.85	11.60
60%	3.53	65.29	3,977	681.3	24.01	10.44
70%	5.31	98.14	4,573	926.2	32.64	9.44
80%	7.45	137.75	5,117	1173.9	41.37	8.52
90%	9.99	184.78	5,613	1442.4	50.83	7.81
100%	11.72	216.80	5,905	1600.5	56.41	7.38

Propeller Efficiency vs Throttle Position

