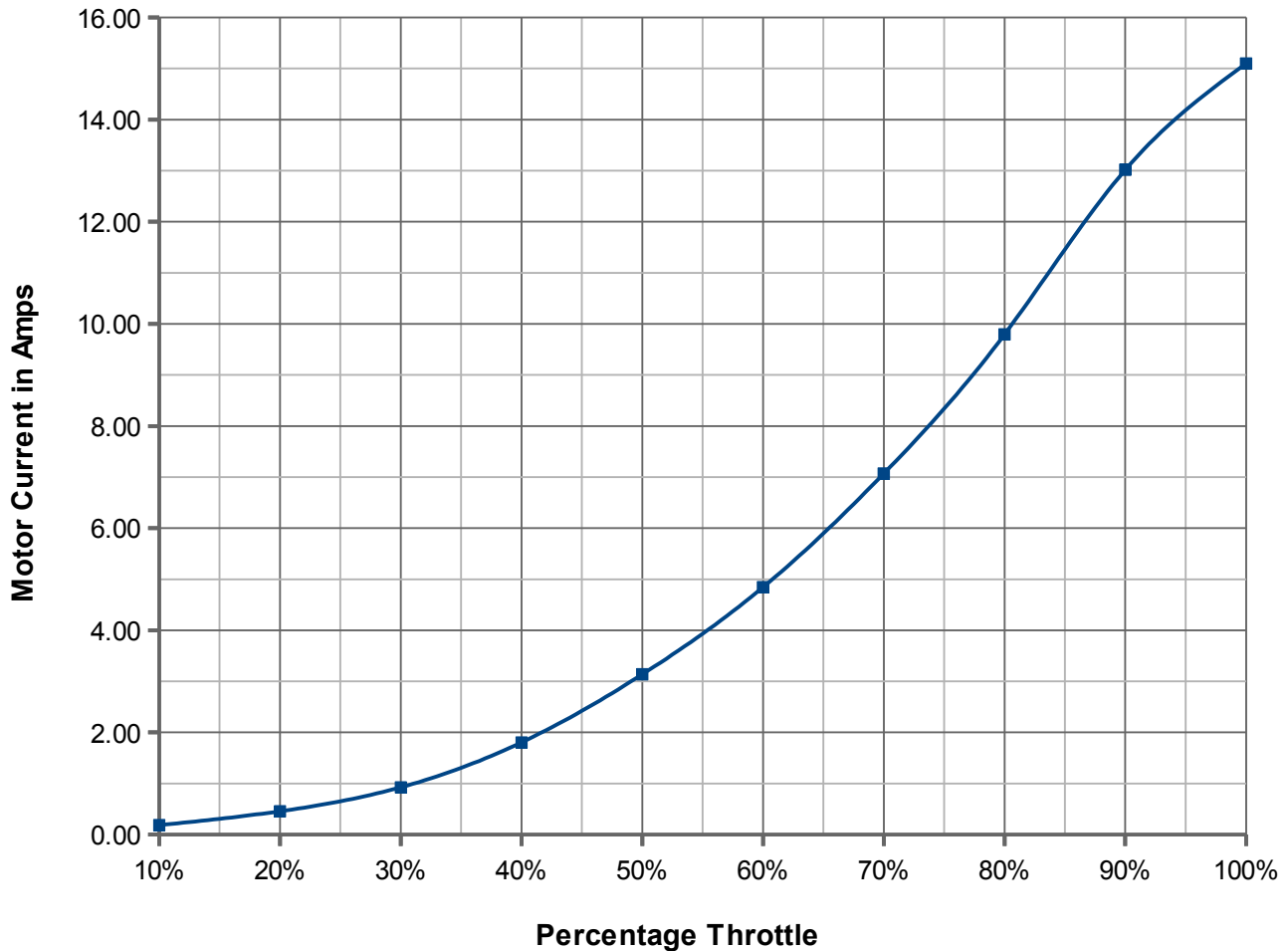


Cobra CM-2820-32 Motor Test Data, Kv=350

Data Collected at 22.2 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.13	1,077	59.6	2.10	14.43
20%	0.46	10.15	1,655	148.6	5.24	14.65
30%	0.93	20.56	2,218	279.5	9.85	13.60
40%	1.81	40.09	2,857	483.4	17.04	12.06
50%	3.14	69.66	3,457	753.4	26.55	10.81
60%	4.84	107.51	4,055	1021.5	36.00	9.50
70%	7.07	156.91	4,603	1332.6	46.96	8.49
80%	9.80	217.47	5,121	1674.1	59.00	7.70
90%	13.02	289.00	5,604	2009.0	70.80	6.95
100%	15.10	335.20	5,875	2189.1	77.15	6.53

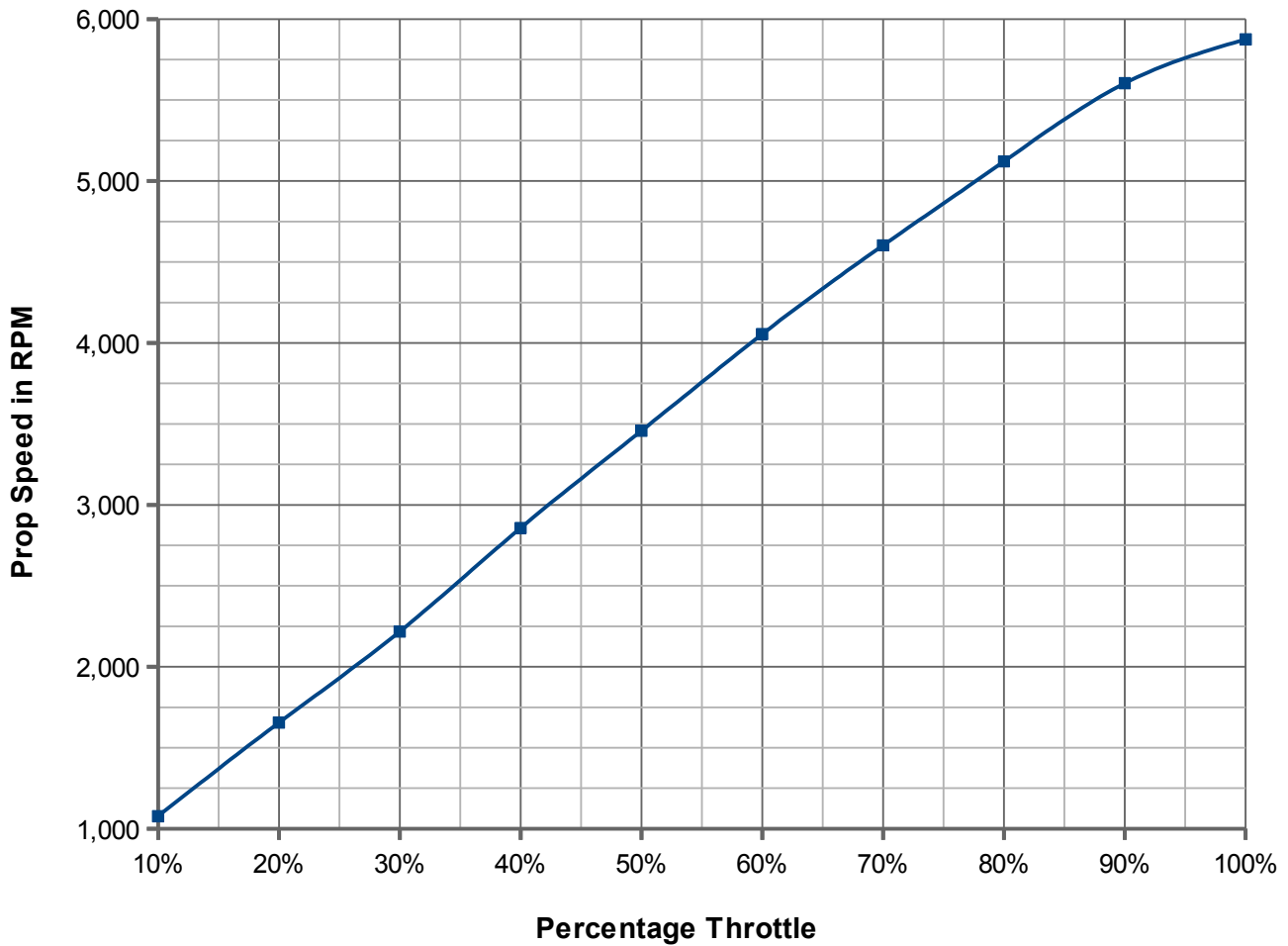
Motor Current vs Throttle Position



Cobra CM-2820-32 Motor Test Data, Kv=350

Data Collected at 22.2 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.13	1,077	59.6	2.10	14.43
20%	0.46	10.15	1,655	148.6	5.24	14.65
30%	0.93	20.56	2,218	279.5	9.85	13.60
40%	1.81	40.09	2,857	483.4	17.04	12.06
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80%	9.80	217.47	5,121	1674.1	59.00	7.70
90%	13.02	289.00	5,604	2009.0	70.80	6.95
100%	15.10	335.20	5,875	2189.1	77.15	6.53

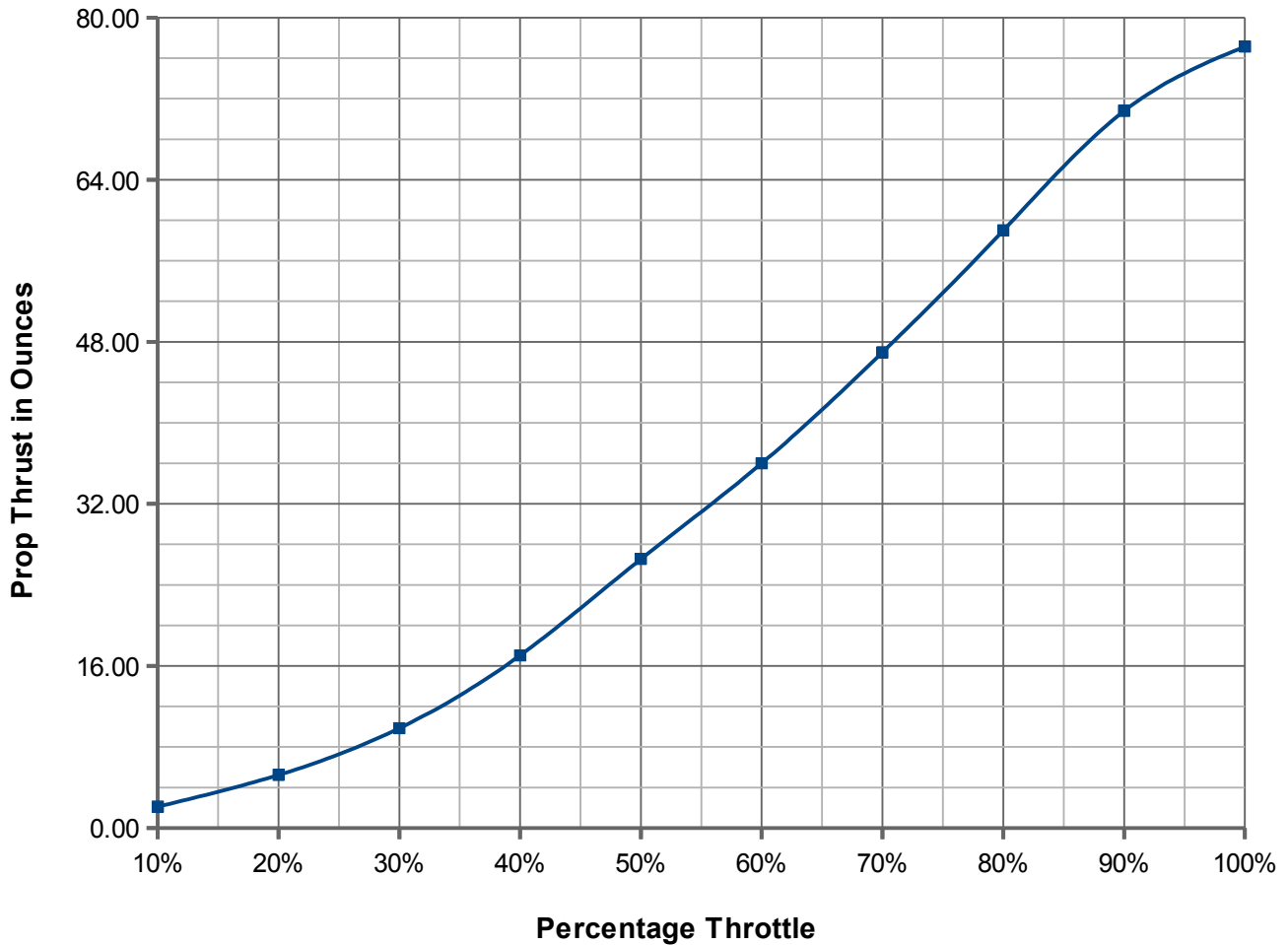
Propeller RPM vs Throttle Position



Cobra CM-2820-32 Motor Test Data, Kv=350

Data Collected at 22.2 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.13	1,077	59.6	2.10	14.43
20%	0.46	10.15	1,655	148.6	5.24	14.65
30%	0.93	20.56	2,218	279.5	9.85	13.60
40%	1.81	40.09	2,857	483.4	17.04	12.06
50%	3.14	69.66	3,457	753.4	26.55	10.81
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70%	7.07	156.91	4,603	1332.6	46.96	8.49
80%	9.80	217.47	5,121	1674.1	59.00	7.70
90%	13.02	289.00	5,604	2009.0	70.80	6.95
100%	15.10	335.20	5,875	2189.1	77.15	6.53

Propeller Thrust vs Throttle Position



Cobra CM-2820-32 Motor Test Data, Kv=350

Data Collected at 22.2 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.13	1,077	59.6	2.10	14.43
20%	0.46	10.15	1,655	148.6	5.24	14.65
30%	0.93	20.56	2,218	279.5	9.85	13.60
40%	1.81	40.09	2,857	483.4	17.04	12.06
50%	3.14	69.66	3,457	753.4	26.55	10.81
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70%	7.07	156.91	4,603	1332.6	46.96	8.49
80%	9.80	217.47	5,121	1674.1	59.00	7.70
90%	13.02	289.00	5,604	2009.0	70.80	6.95
100%	15.10	335.20	5,875	2189.1	77.15	6.53

Propeller Efficiency vs Throttle Position

