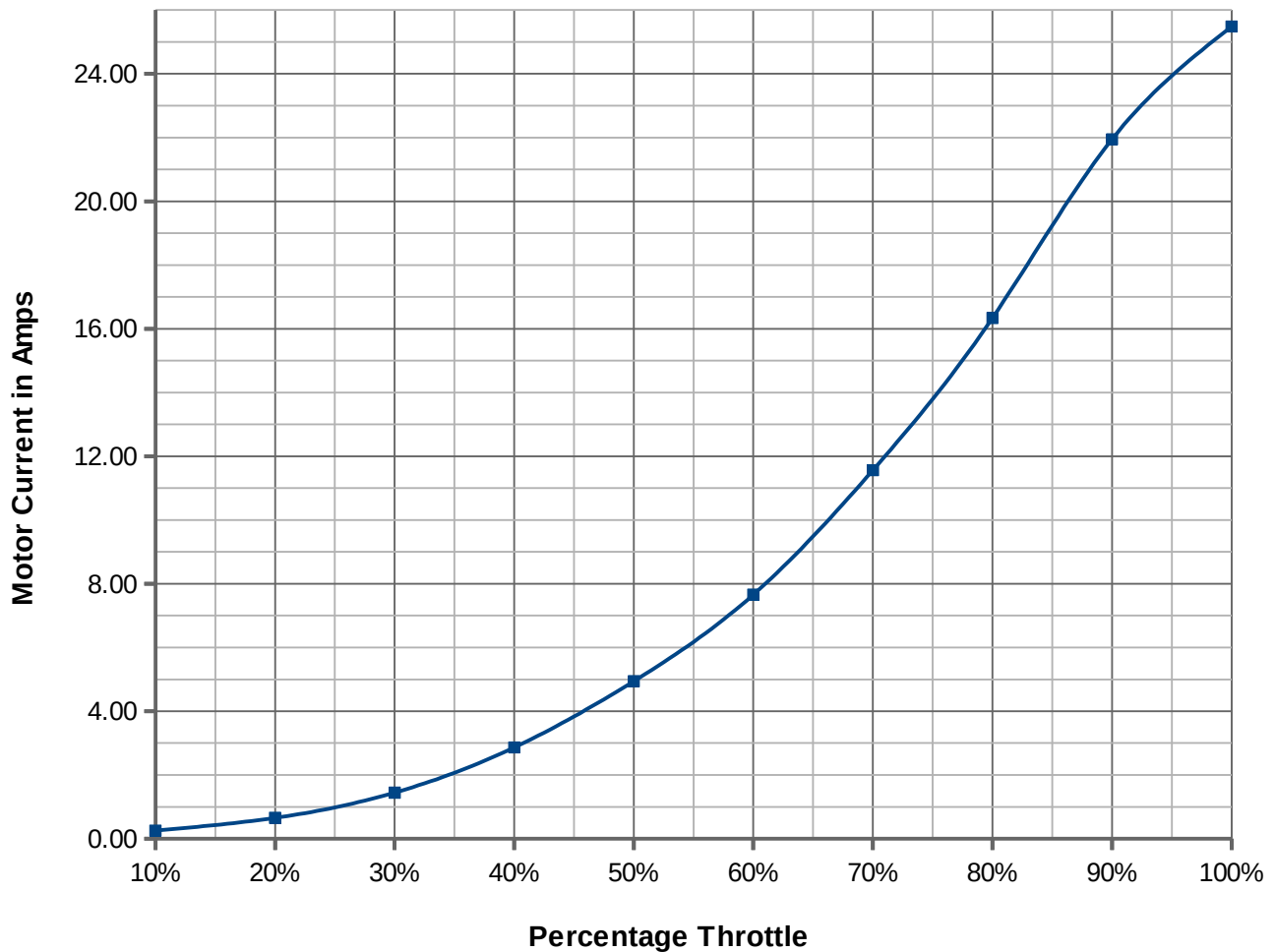


Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 22.2 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.73	1,369	67.7	2.39	11.82
20%	0.66	14.54	2,212	182.3	6.42	12.54
30%	1.45	32.10	3,069	372.6	13.13	11.61
40%	2.87	63.60	3,956	640.8	22.58	10.07
50%	4.94	109.67	4,792	992.2	34.97	9.05
60%	7.66	169.99	5,576	1352.9	47.68	7.96
70%	11.56	256.68	6,379	1818.8	64.10	7.09
80%	16.34	362.70	7,116	2306.7	81.29	6.36
90%	21.95	487.22	7,785	2815.7	99.23	5.78
100%	25.48	565.72	8,180	3058.8	107.80	5.41

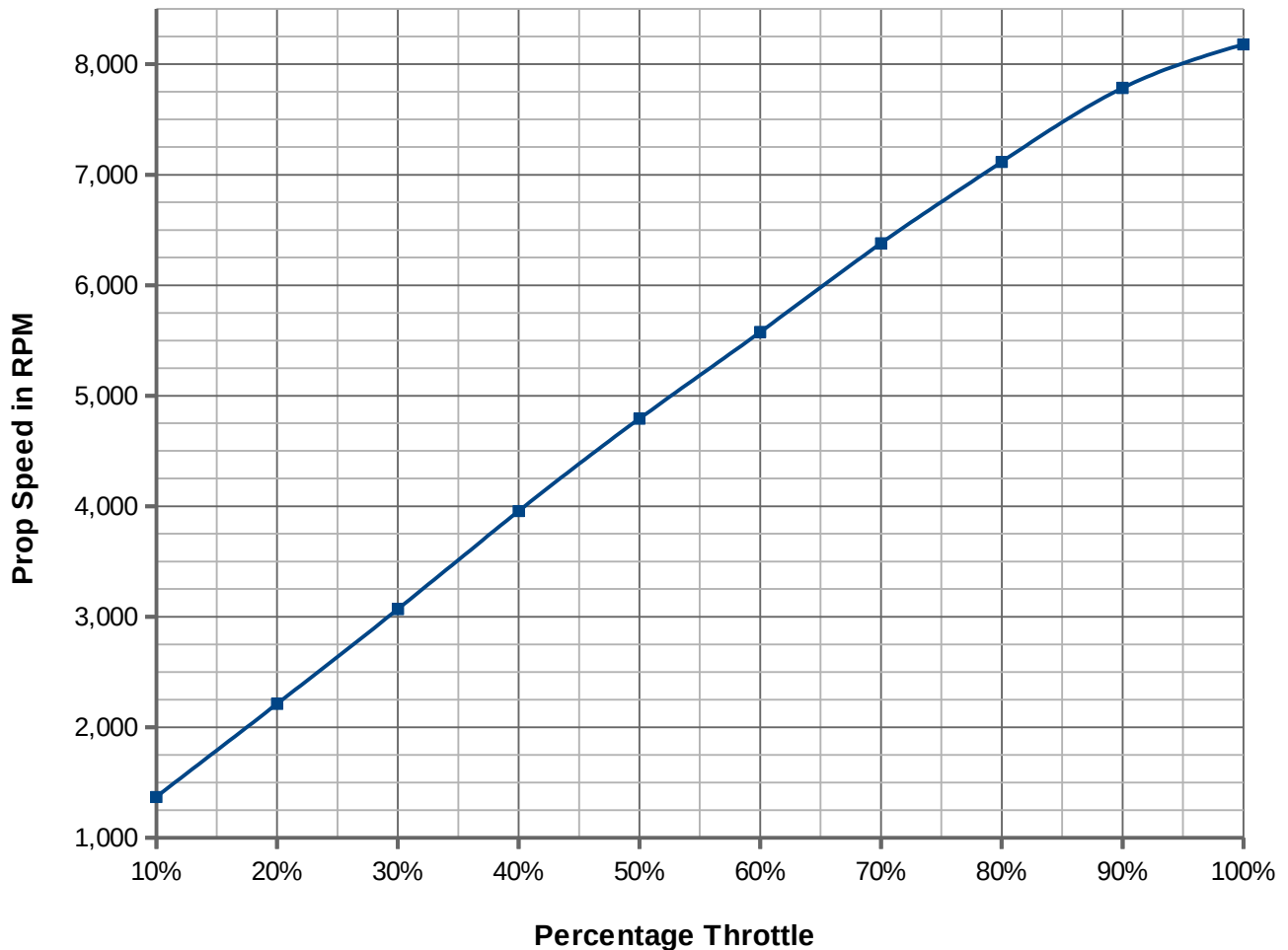
Motor Current vs Throttle Position



Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 22.2 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.73	1,369	67.7	2.39	11.82
20%	0.66	14.54	2,212	182.3	6.42	12.54
30%	1.45	32.10	3,069	372.6	13.13	11.61
40%	2.87	63.60	3,956	640.8	22.58	10.07
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90%	21.95	487.22	7,785	2815.7	99.23	5.78
100%	25.48	565.72	8,180	3058.8	107.80	5.41

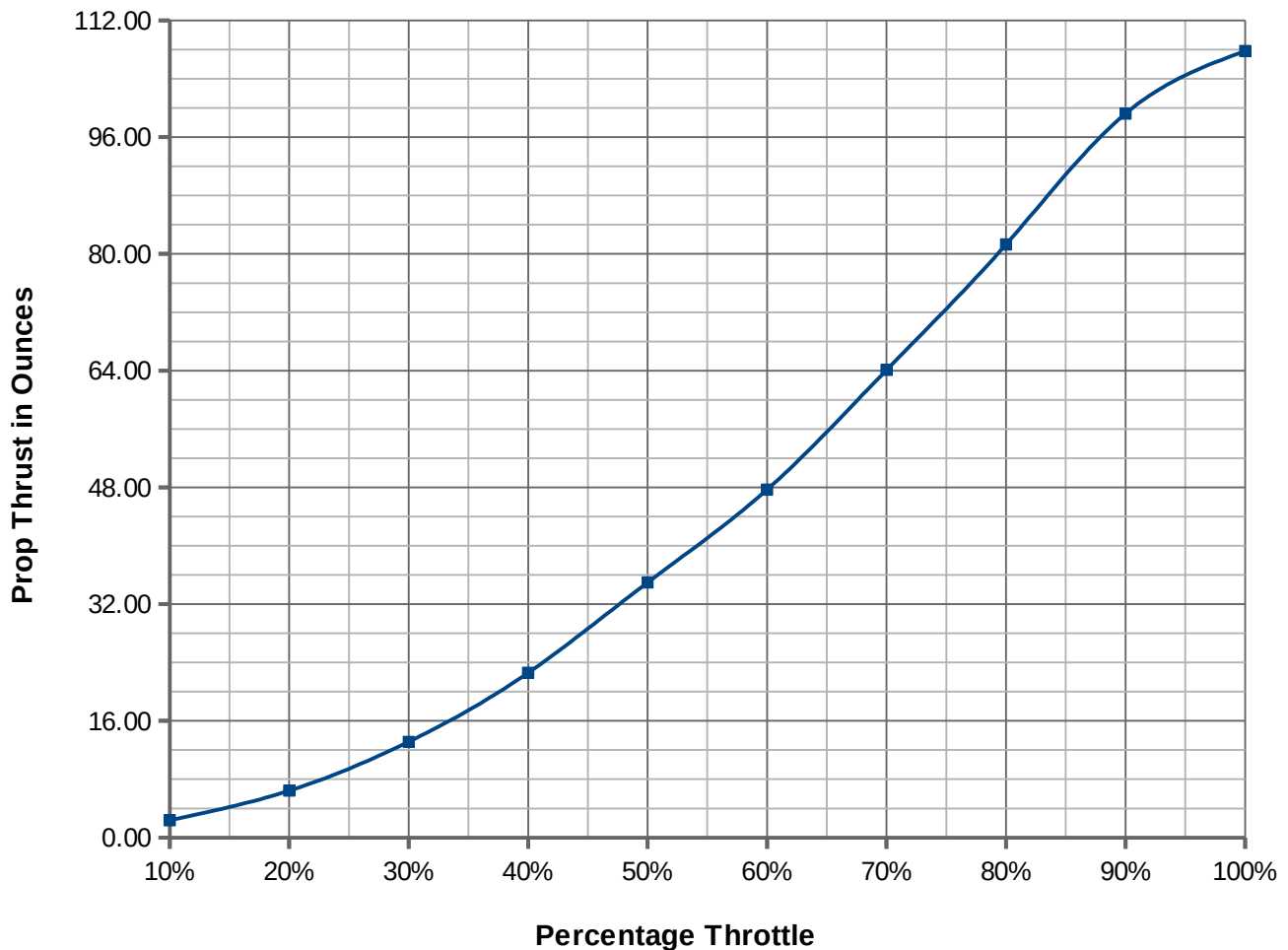
Propeller RPM vs Throttle Position



Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 22.2 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.73	1,369	67.7	2.39	11.82
20%	0.66	14.54	2,212	182.3	6.42	12.54
30%	1.45	32.10	3,069	372.6	13.13	11.61
40%	2.87	63.60	3,956	640.8	22.58	10.07
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80%	16.34	362.70	7,116	2306.7	81.29	6.36
90%	21.95	487.22	7,785	2815.7	99.23	5.78
100%	25.48	565.72	8,180	3058.8	107.80	5.41

Propeller Thrust vs Throttle Position



Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 22.2 volts with GemFan 15x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.73	1,369	67.7	2.39	11.82
20%	0.66	14.54	2,212	182.3	6.42	12.54
30%	1.45	32.10	3,069	372.6	13.13	11.61
40%	2.87	63.60	3,956	640.8	22.58	10.07
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70%	11.56	256.68	6,379	1818.8	64.10	7.09
80%	16.34	362.70	7,116	2306.7	81.29	6.36
90%	21.95	487.22	7,785	2815.7	99.23	5.78
100%	25.48	565.72	8,180	3058.8	107.80	5.41

Propeller Efficiency vs Throttle Position

