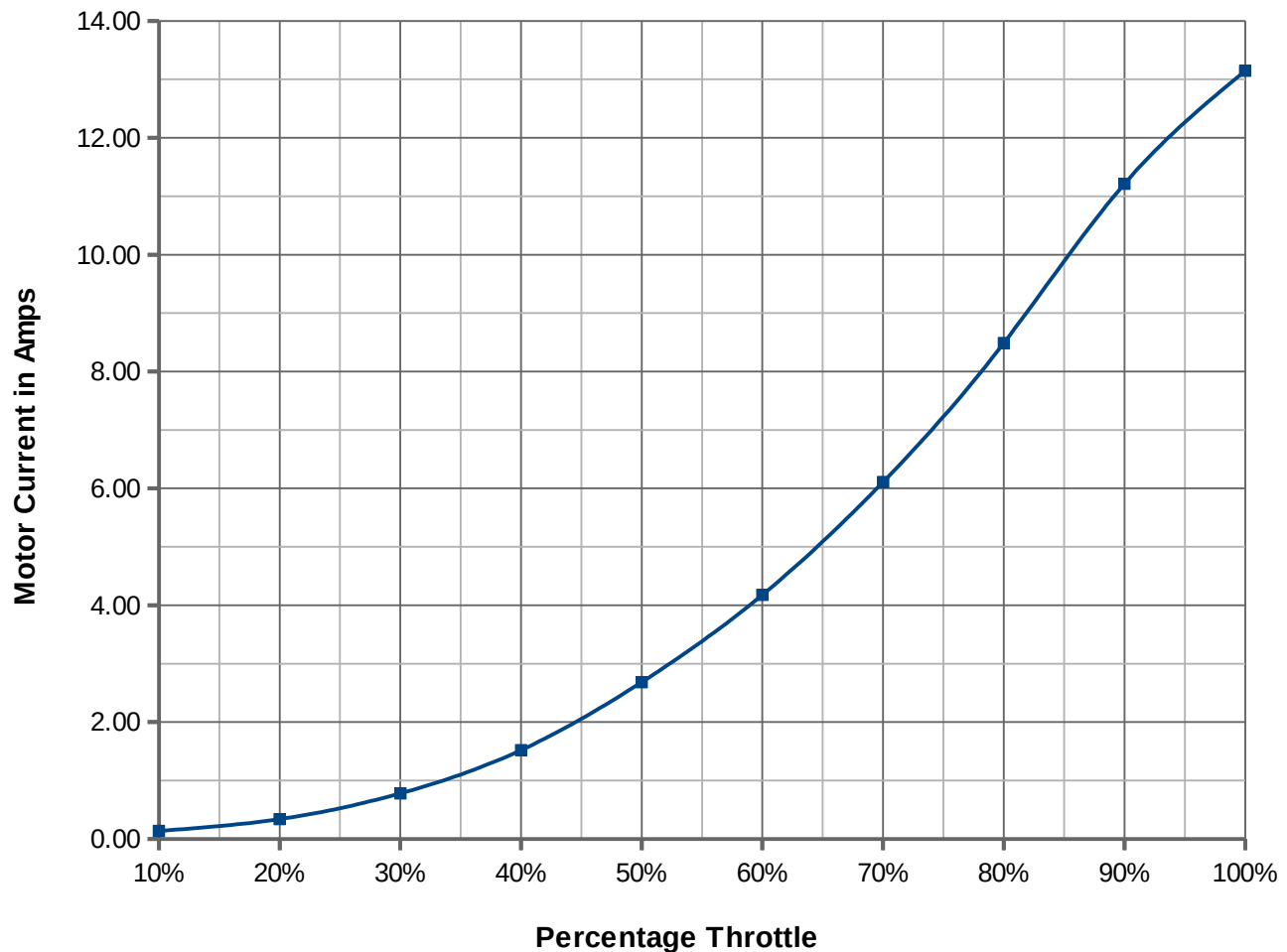


Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 14.8 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	2.01	784	26.8	0.94	13.31
20%	0.34	5.02	1,276	82.3	2.90	16.40
30%	0.78	11.53	1,807	179.7	6.33	15.59
40%	1.52	22.48	2,348	313.1	11.03	13.93
50%	2.68	39.71	2,853	488.5	17.22	12.30
60%	4.18	61.82	3,331	669.4	23.59	10.83
70%	6.11	90.40	3,792	878.7	30.97	9.72
80%	8.49	125.61	4,223	1104.0	38.91	8.79
90%	11.21	165.95	4,633	1323.4	46.64	7.97
100%	13.15	194.58	4,860	1465.3	51.64	7.53

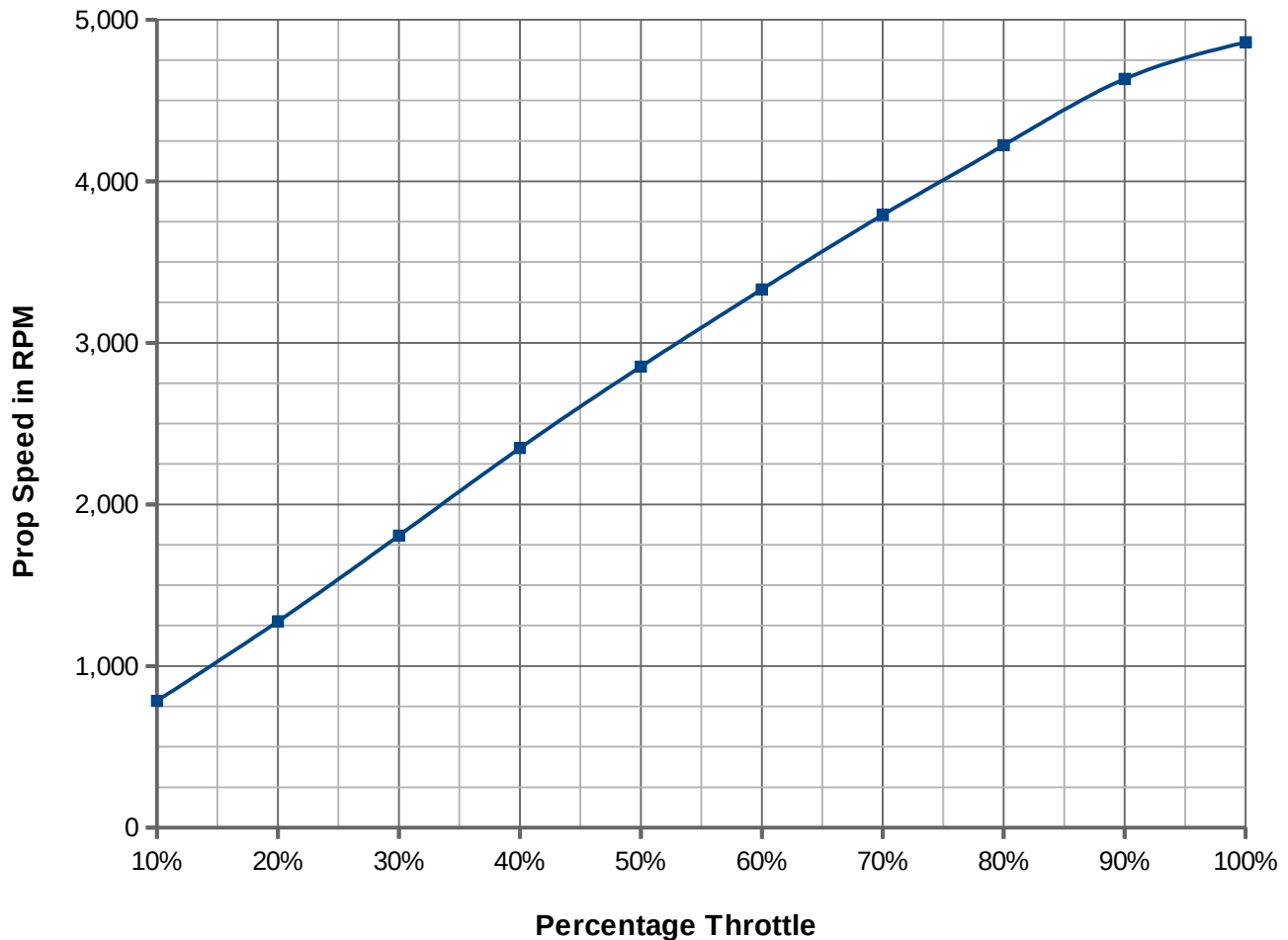
Motor Current vs Throttle Position



Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 14.8 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%	0.34	5.02	1,276	82.3	2.90	16.40
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100%	13.15	194.58	4,860	1465.3	51.64	7.53

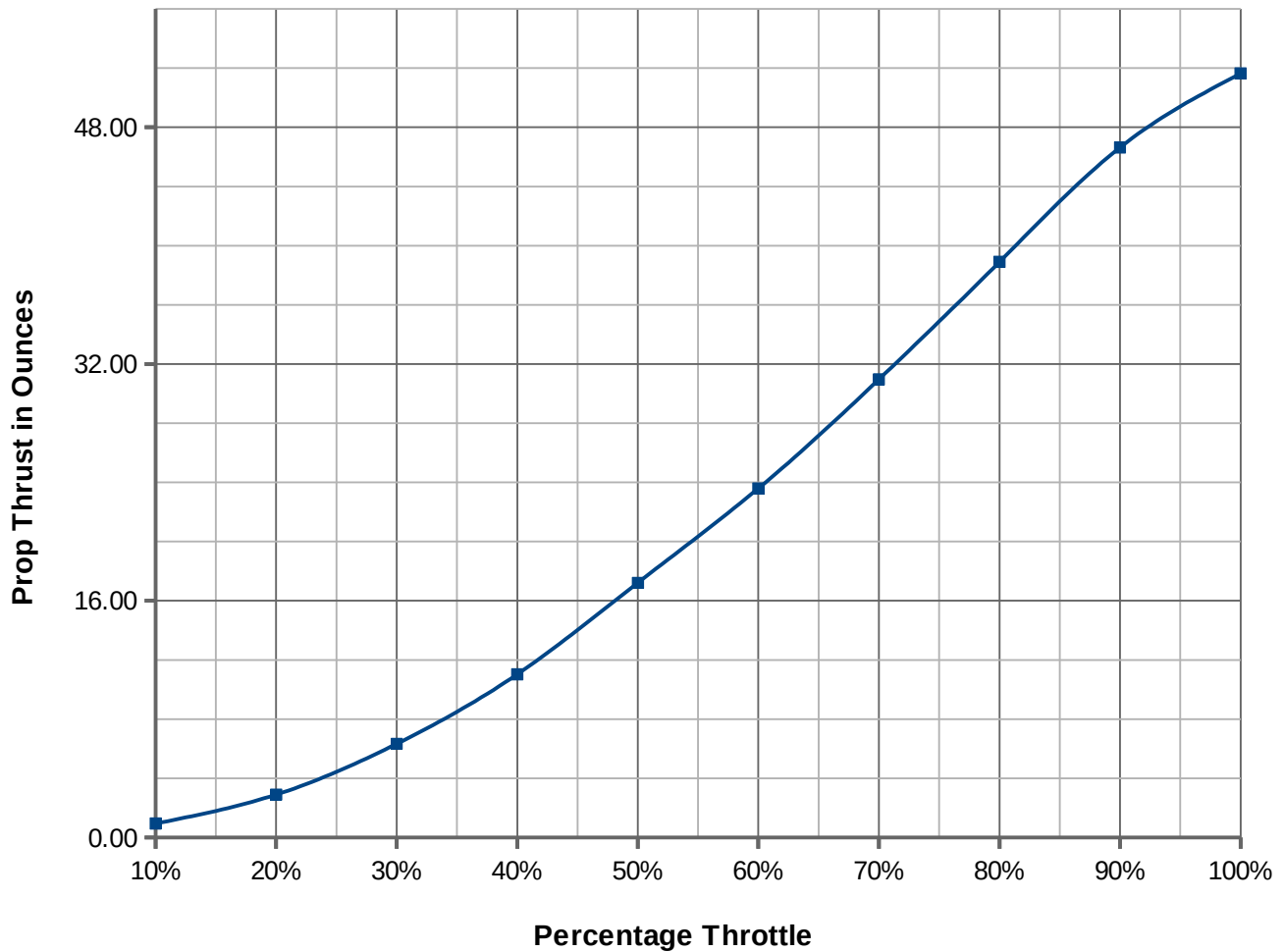
Propeller RPM vs Throttle Position



Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 14.8 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	2.01	784	26.8	0.94	13.31
20%	0.34	5.02	1,276	82.3	2.90	16.40
30%	0.78	11.53	1,807	179.7	6.33	15.59
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80%	8.49	125.61	4,223	1104.0	38.91	8.79
90%	11.21	165.95	4,633	1323.4	46.64	7.97
100%	13.15	194.58	4,860	1465.3	51.64	7.53

Propeller Thrust vs Throttle Position



Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 14.8 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	2.01	784	26.8	0.94	13.31
20%	0.34	5.02	1,276	82.3	2.90	16.40
30%	0.78	11.53	1,807	179.7	6.33	15.59
40%	1.52	22.48	2,348	313.1	11.03	13.93
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80%	8.49	125.61	4,223	1104.0	38.91	8.79
90%	11.21	165.95	4,633	1323.4	46.64	7.97
100%	13.15	194.58	4,860	1465.3	51.64	7.53

Propeller Efficiency vs Throttle Position

