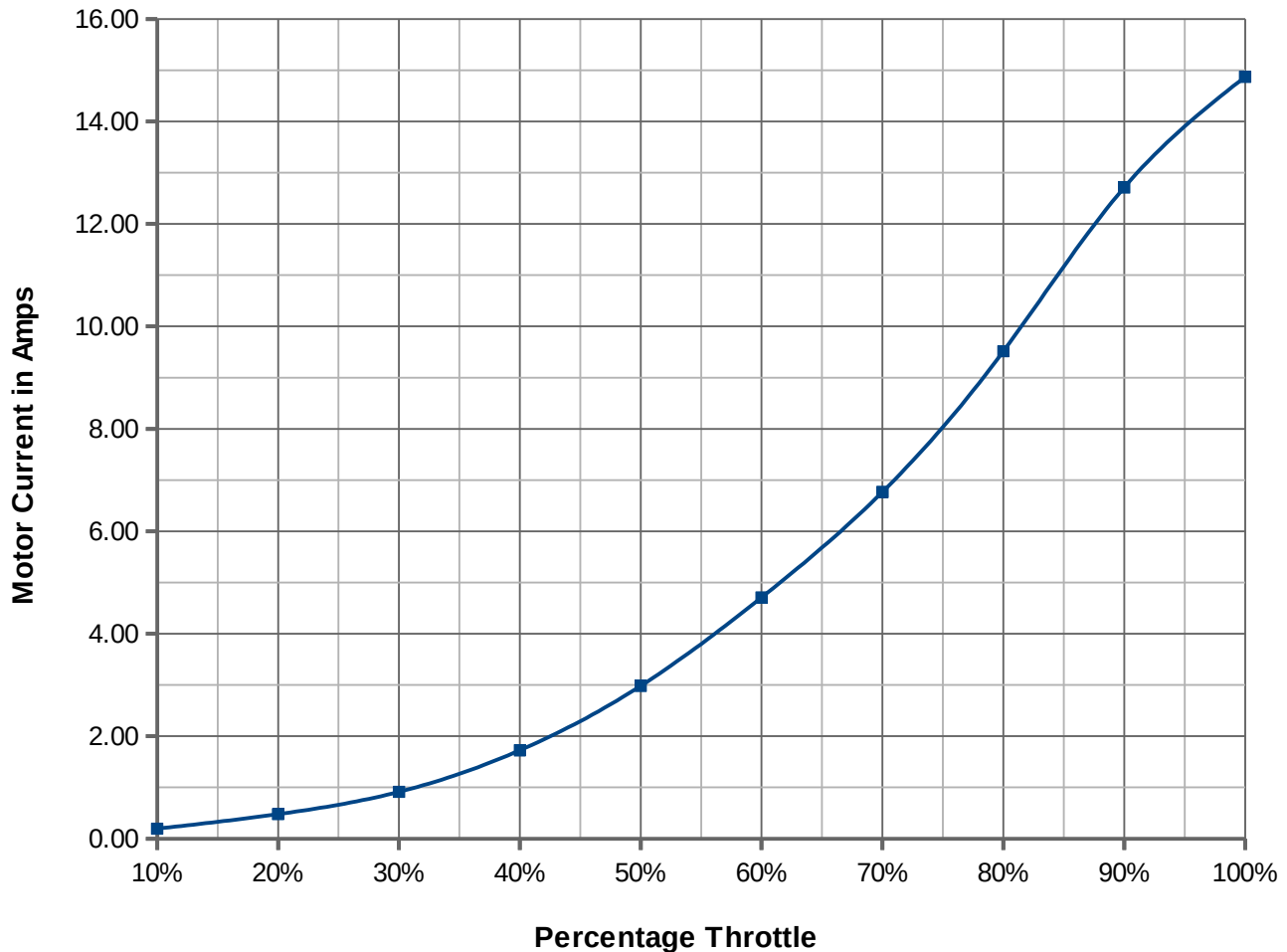


Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 22.2 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.31	1,466	61.1	2.15	14.19
20%	0.48	10.63	2,234	146.6	5.17	13.79
30%	0.91	20.27	2,898	253.0	8.92	12.48
40%	1.73	38.30	3,702	418.6	14.75	10.93
50%	2.98	66.20	4,512	635.1	22.38	9.59
60%	4.71	104.56	5,233	875.8	30.87	8.38
70%	6.77	150.23	5,977	1135.4	40.01	7.56
80%	9.52	211.26	6,668	1435.8	50.60	6.80
90%	12.71	282.25	7,297	1735.7	61.17	6.15
100%	14.87	330.18	7,670	1917.5	67.58	5.81

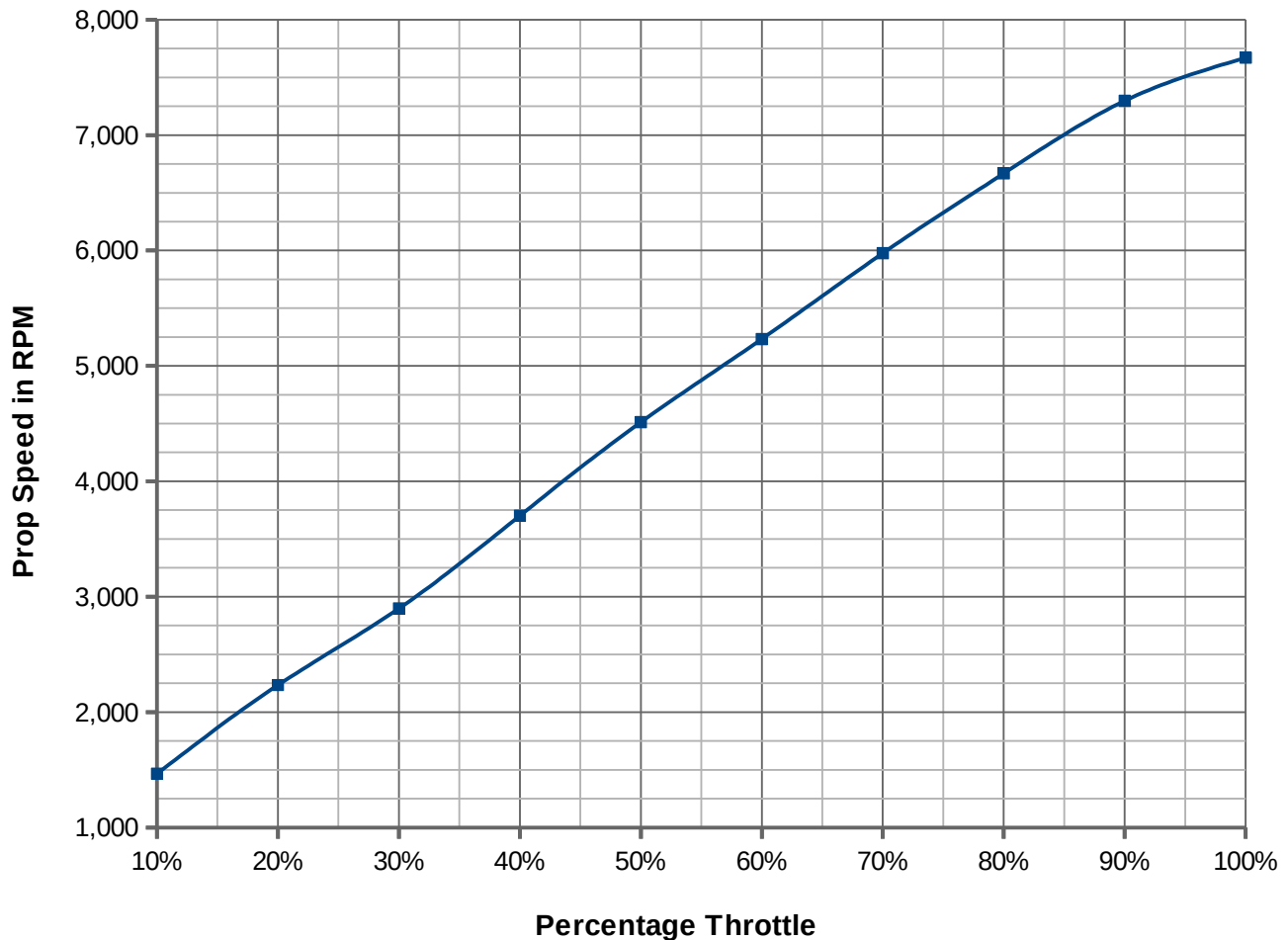
Motor Current vs Throttle Position



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

Data Collected at 22.2 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
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100%	14.87	330.18	7,670	1917.5	67.58	5.81

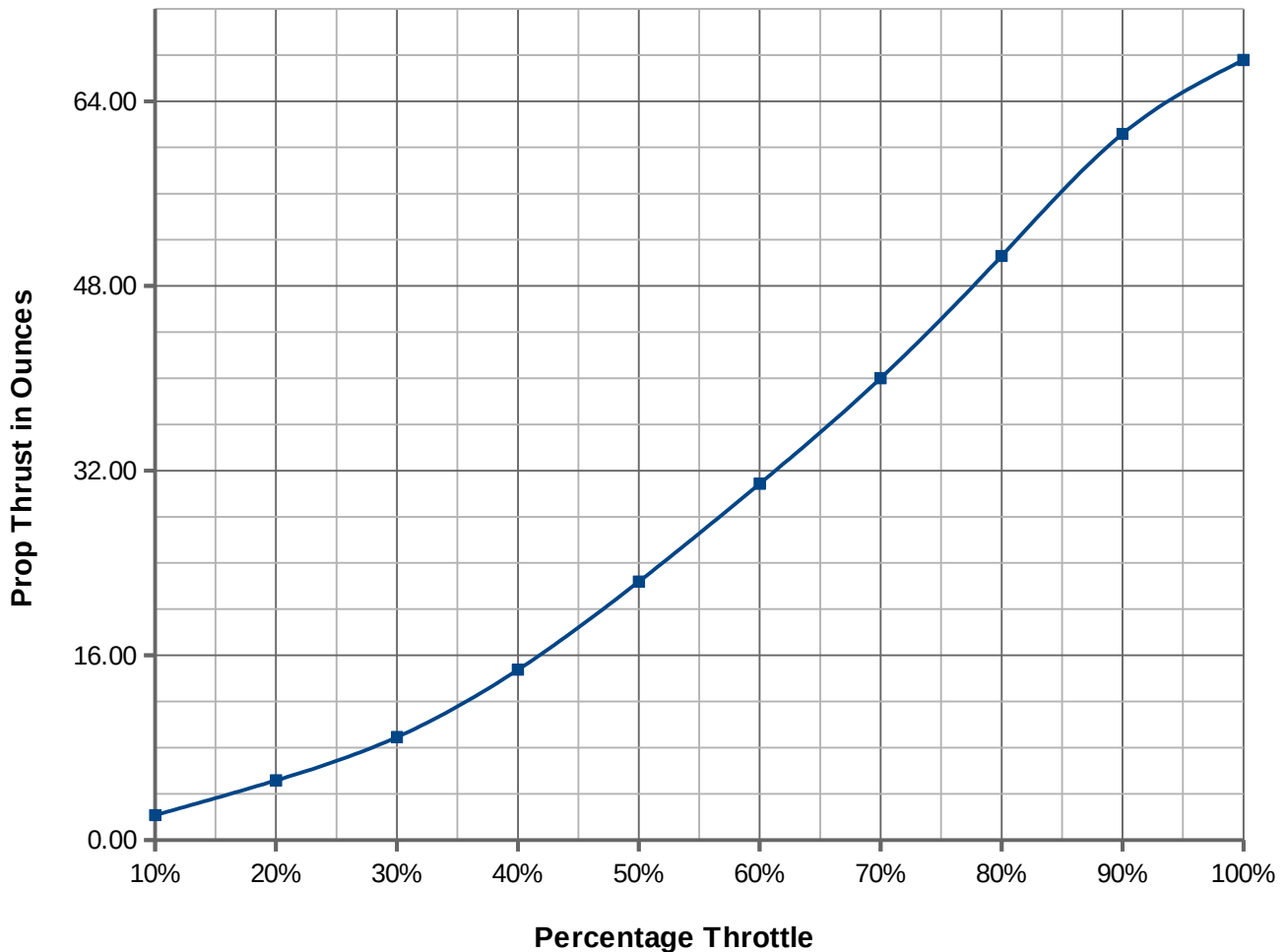
Propeller RPM vs Throttle Position



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

Data Collected at 22.2 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.31	1,466	61.1	2.15	14.19
20%	0.48	10.63	2,234	146.6	5.17	13.79
30%	0.91	20.27	2,898	253.0	8.92	12.48
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80%	9.52	211.26	6,668	1435.8	50.60	6.80
90%	12.71	282.25	7,297	1735.7	61.17	6.15
100%	14.87	330.18	7,670	1917.5	67.58	5.81

Propeller Thrust vs Throttle Position



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

Data Collected at 22.2 volts with GemFan 13x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.31	1,466	61.1	2.15	14.19
20%	0.48	10.63	2,234	146.6	5.17	13.79
30%	0.91	20.27	2,898	253.0	8.92	12.48
40%	1.73	38.30	3,702	418.6	14.75	10.93
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90%	12.71	282.25	7,297	1735.7	61.17	6.15
100%	14.87	330.18	7,670	1917.5	67.58	5.81

Propeller Efficiency vs Throttle Position

