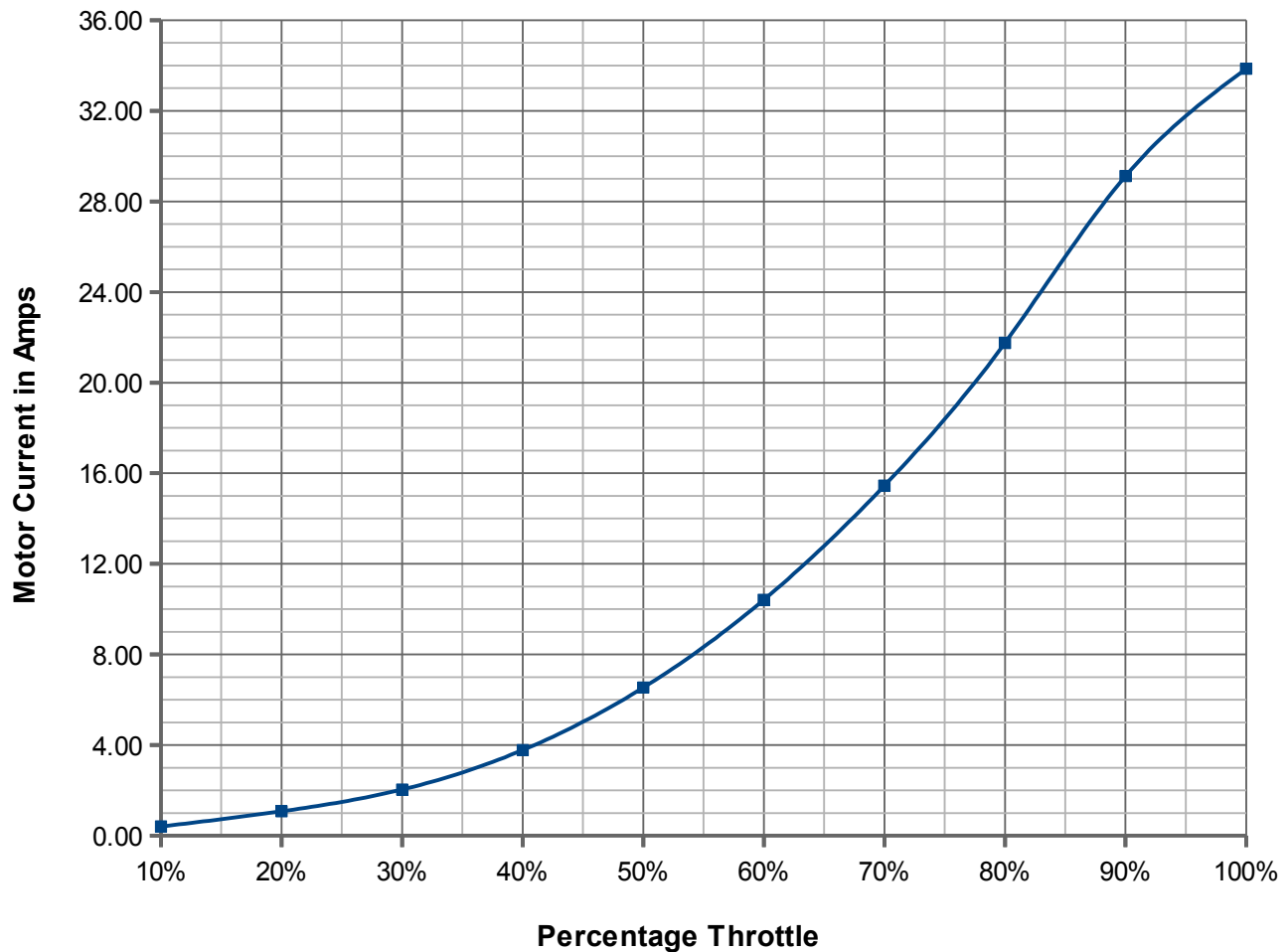


Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 14.8 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	5.98	1,566	86.8	3.06	14.52
20%	1.08	15.95	2,373	197.0	6.94	12.35
30%	2.04	30.16	3,001	325.6	11.47	10.79
40%	3.78	55.93	3,711	529.7	18.67	9.47
50%	6.54	96.73	4,470	771.5	27.19	7.98
60%	10.41	154.07	5,133	1065.2	37.54	6.91
70%	15.45	228.66	5,777	1367.8	48.20	5.98
80%	21.76	322.00	6,372	1691.3	59.61	5.25
90%	29.12	430.95	6,868	2016.0	71.05	4.68
100%	33.86	501.14	7,113	2187.0	77.07	4.36

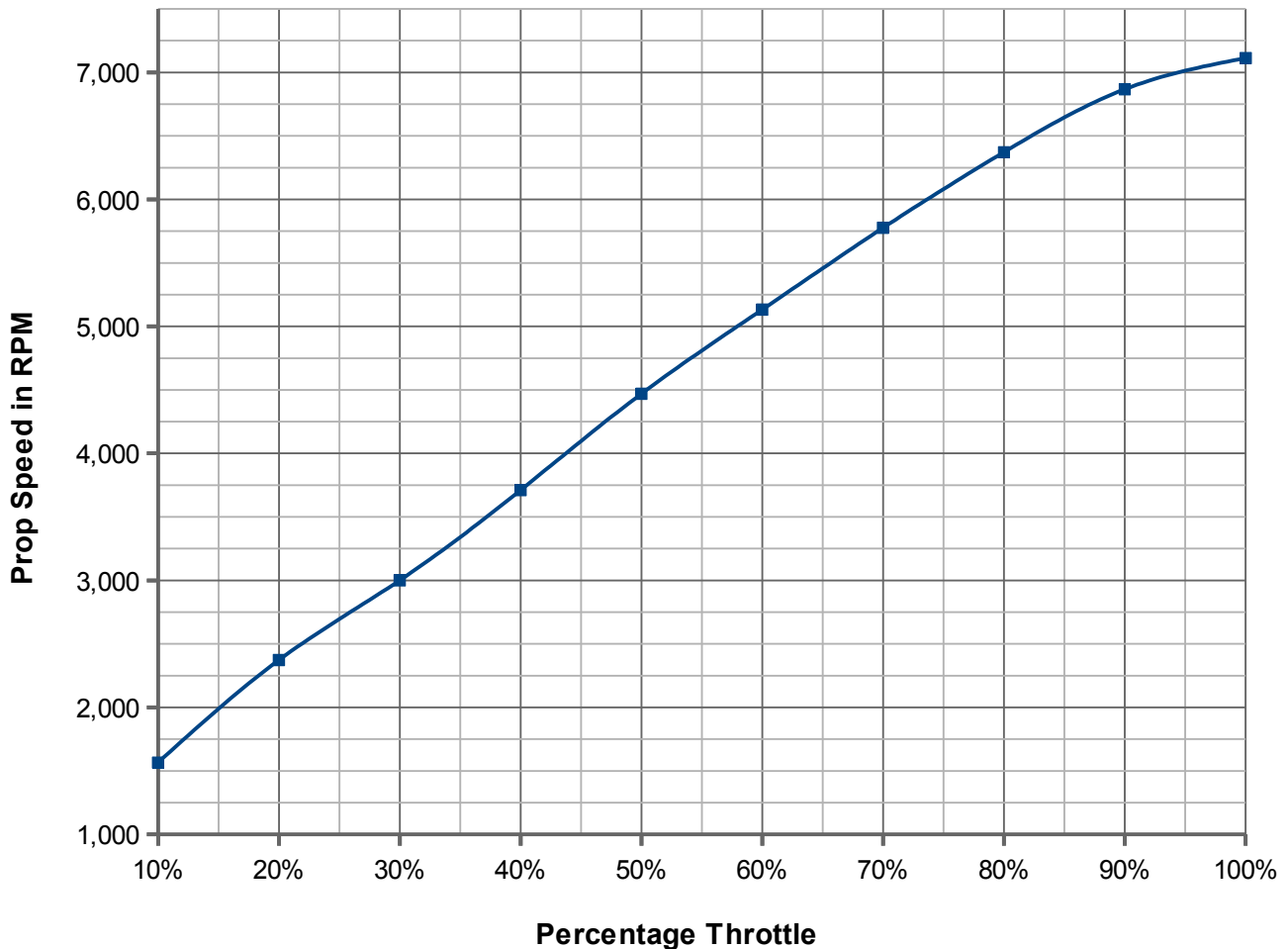
Motor Current vs Throttle Position



Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 14.8 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	5.98	1,566	86.8	3.06	14.52
20%	1.08	15.95	2,373	197.0	6.94	12.35
30%	2.04	30.16	3,001	325.6	11.47	10.79
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60%	10.41	154.07	5,133	1065.2	37.54	6.91
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80%	21.76	322.00	6,372	1691.3	59.61	5.25
90%	29.12	430.95	6,868	2016.0	71.05	4.68
100%	33.86	501.14	7,113	2187.0	77.07	4.36

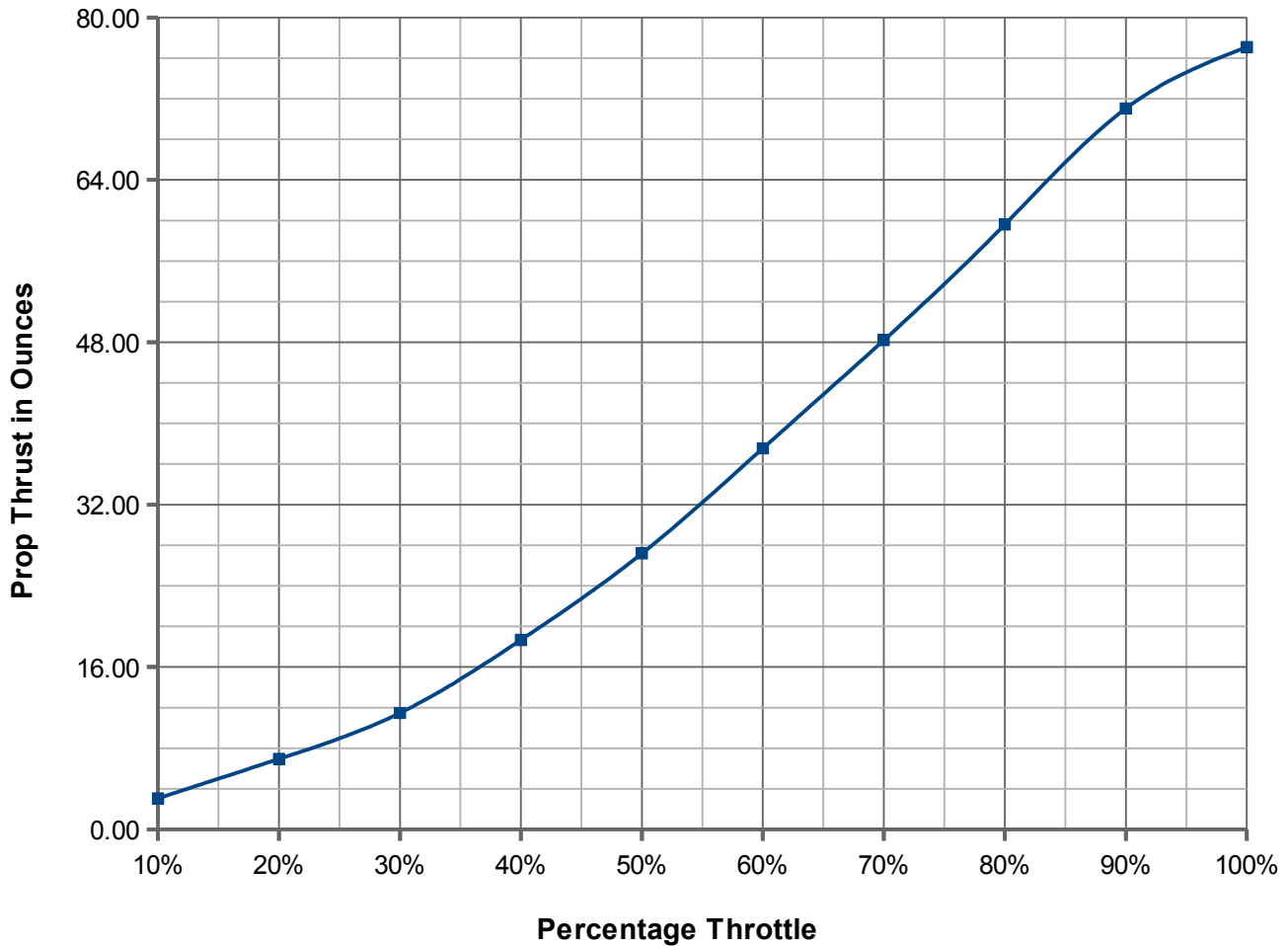
Propeller RPM vs Throttle Position



Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 14.8 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	5.98	1,566	86.8	3.06	14.52
20%	1.08	15.95	2,373	197.0	6.94	12.35
30%	2.04	30.16	3,001	325.6	11.47	10.79
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60%	10.41	154.07	5,133	1065.2	37.54	6.91
70%	15.45	228.66	5,777	1367.8	48.20	5.98
80%	21.76	322.00	6,372	1691.3	59.61	5.25
90%	29.12	430.95	6,868	2016.0	71.05	4.68
100%	33.86	501.14	7,113	2187.0	77.07	4.36

Propeller Thrust vs Throttle Position



Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 14.8 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	5.98	1,566	86.8	3.06	14.52
20%	1.08	15.95	2,373	197.0	6.94	12.35
30%	2.04	30.16	3,001	325.6	11.47	10.79
40%	3.78	55.93	3,711	529.7	18.67	9.47
50%	6.54	96.73	4,470	771.5	27.19	7.98
60%	10.41	154.07	5,133	1065.2	37.54	6.91
70%	15.45	228.66	5,777	1367.8	48.20	5.98
80%	21.76	322.00	6,372	1691.3	59.61	5.25
90%	29.12	430.95	6,868	2016.0	71.05	4.68
100%	33.86	501.14	7,113	2187.0	77.07	4.36

Propeller Efficiency vs Throttle Position

