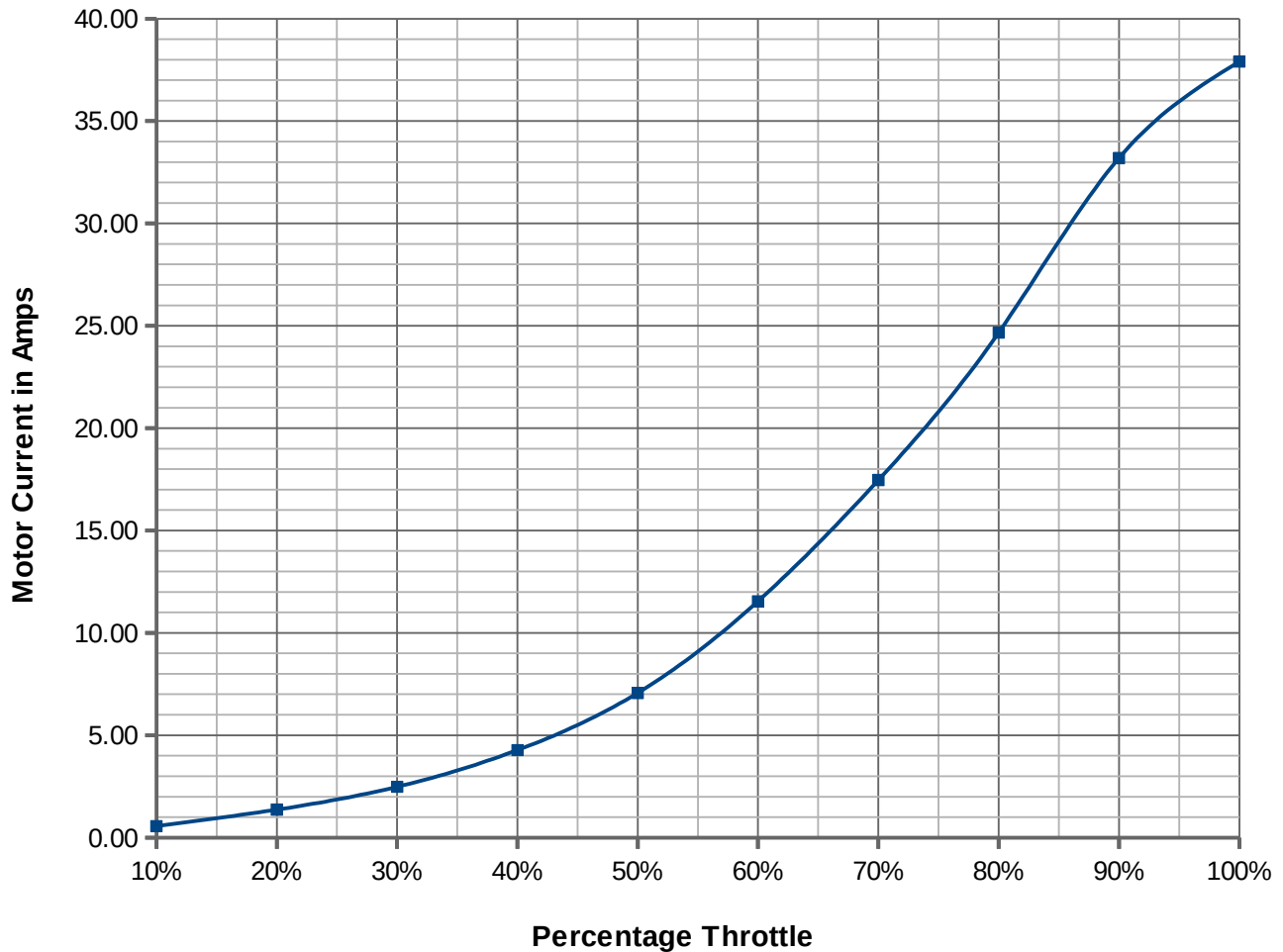


Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with RC-Timer 14x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.56	12.52	1,594	126.4	4.45	10.10
20%	1.37	30.41	2,443	310.0	10.93	10.19
30%	2.48	55.14	3,101	512.0	18.04	9.28
40%	4.28	94.97	3,801	785.8	27.69	8.27
50%	7.07	156.87	4,530	1152.7	40.62	7.35
60%	11.55	256.34	5,284	1639.9	57.79	6.40
70%	17.46	387.68	6,016	2171.7	76.54	5.60
80%	24.67	547.59	6,673	2700.8	95.18	4.93
90%	33.19	736.91	7,264	3268.6	115.19	4.44
100%	37.90	841.45	7,541	3590.8	126.55	4.27

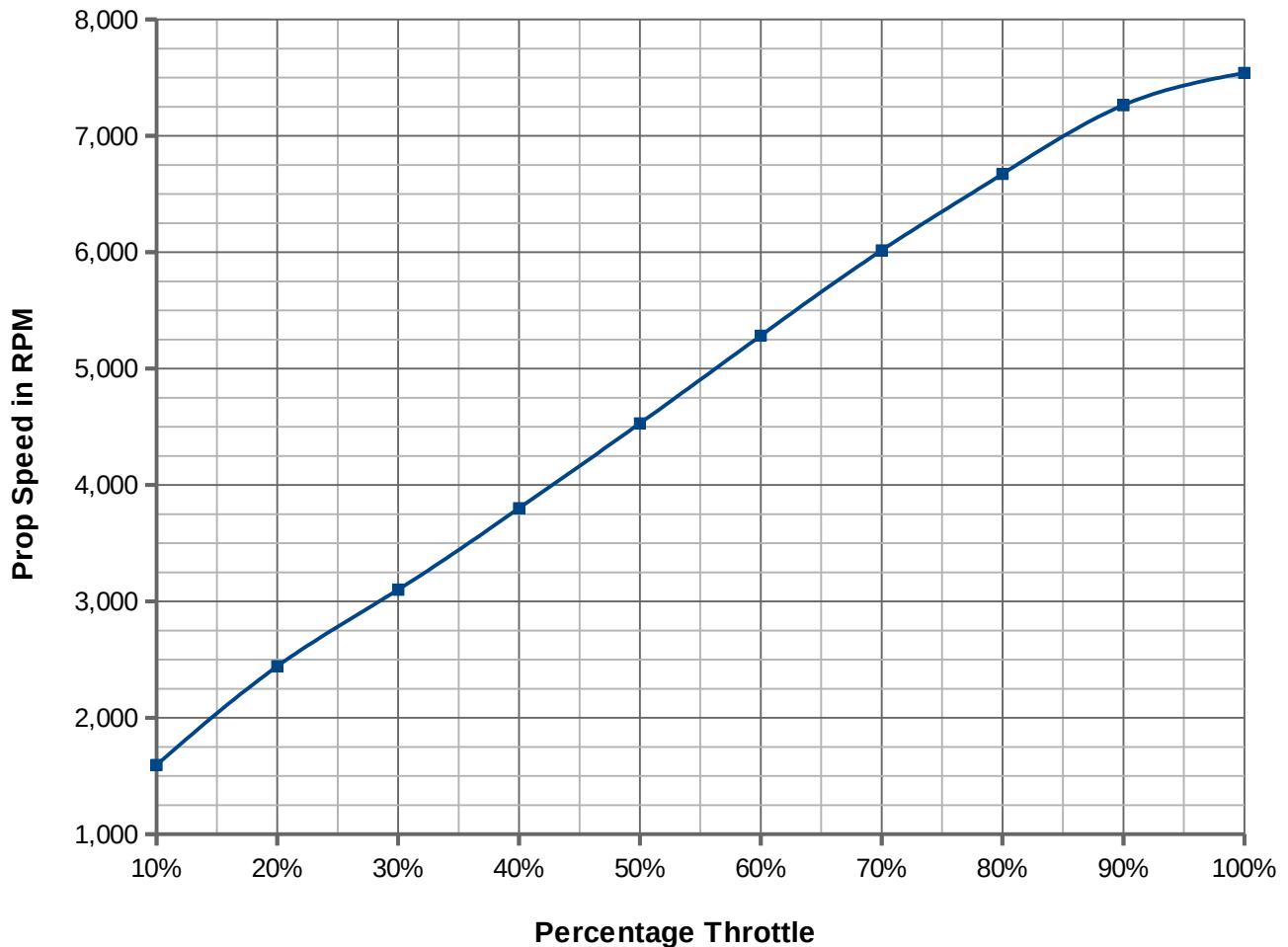
Motor Current vs Throttle Position



Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with RC-Timer 14x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.56	12.52	1,594	126.4	4.45	10.10
20%	1.37	30.41	2,443	310.0	10.93	10.19
30%	2.48	55.14	3,101	512.0	18.04	9.28
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80%	24.67	547.59	6,673	2700.8	95.18	4.93
90%	33.19	736.91	7,264	3268.6	115.19	4.44
100%	37.90	841.45	7,541	3590.8	126.55	4.27

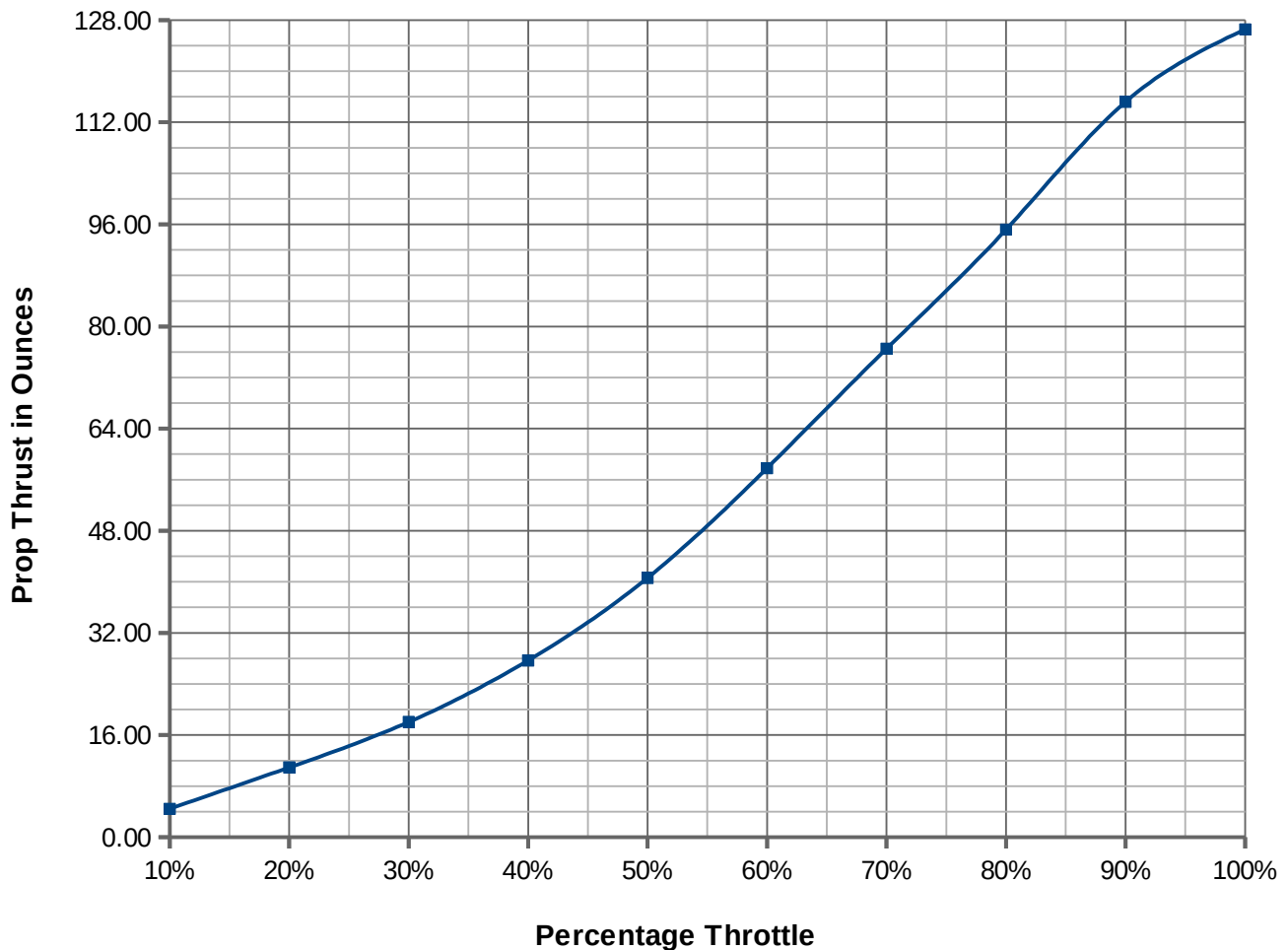
Propeller RPM vs Throttle Position



Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with RC-Timer 14x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.56	12.52	1,594	126.4	4.45	10.10
20%	1.37	30.41	2,443	310.0	10.93	10.19
30%	2.48	55.14	3,101	512.0	18.04	9.28
40%	4.28	94.97	3,801	785.8	27.69	8.27
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70%	17.46	387.68	6,016	2171.7	76.54	5.60
80%	24.67	547.59	6,673	2700.8	95.18	4.93
90%	33.19	736.91	7,264	3268.6	115.19	4.44
100%	37.90	841.45	7,541	3590.8	126.55	4.27

Propeller Thrust vs Throttle Position



Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with RC-Timer 14x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.56	12.52	1,594	126.4	4.45	10.10
20%	1.37	30.41	2,443	310.0	10.93	10.19
30%	2.48	55.14	3,101	512.0	18.04	9.28
40%	4.28	94.97	3,801	785.8	27.69	8.27
50%	7.07	156.87	4,530	1152.7	40.62	7.35
60%	11.55	256.34	5,284	1639.9	57.79	6.40
70%	17.46	387.68	6,016	2171.7	76.54	5.60
80%	24.67	547.59	6,673	2700.8	95.18	4.93
90%	33.19	736.91	7,264	3268.6	115.19	4.44
100%	37.90	841.45	7,541	3590.8	126.55	4.27

Propeller Efficiency vs Throttle Position

