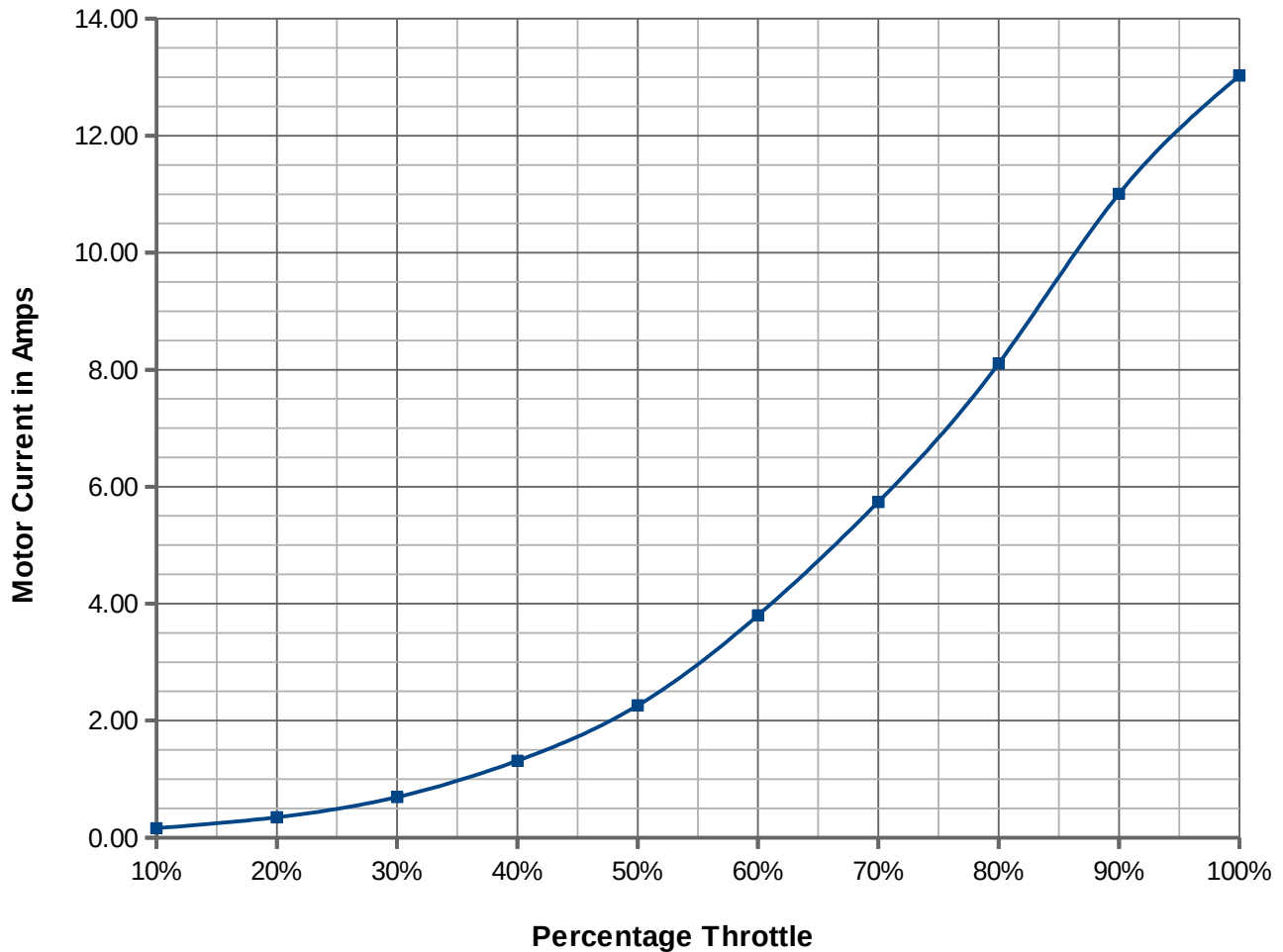


Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	3.60	1,225	38.7	1.36	10.76
20%	0.35	7.75	1,934	102.7	3.62	13.26
30%	0.69	15.41	2,620	187.3	6.60	12.16
40%	1.32	29.19	3,377	320.0	11.28	10.96
50%	2.26	50.17	4,100	482.3	17.00	9.61
60%	3.80	84.38	4,866	701.3	24.72	8.31
70%	5.74	127.41	5,556	935.3	32.96	7.34
80%	8.11	179.95	6,178	1178.0	41.52	6.55
90%	11.01	244.36	6,759	1427.4	50.30	5.84
100%	13.03	289.18	7,080	1605.4	56.58	5.55

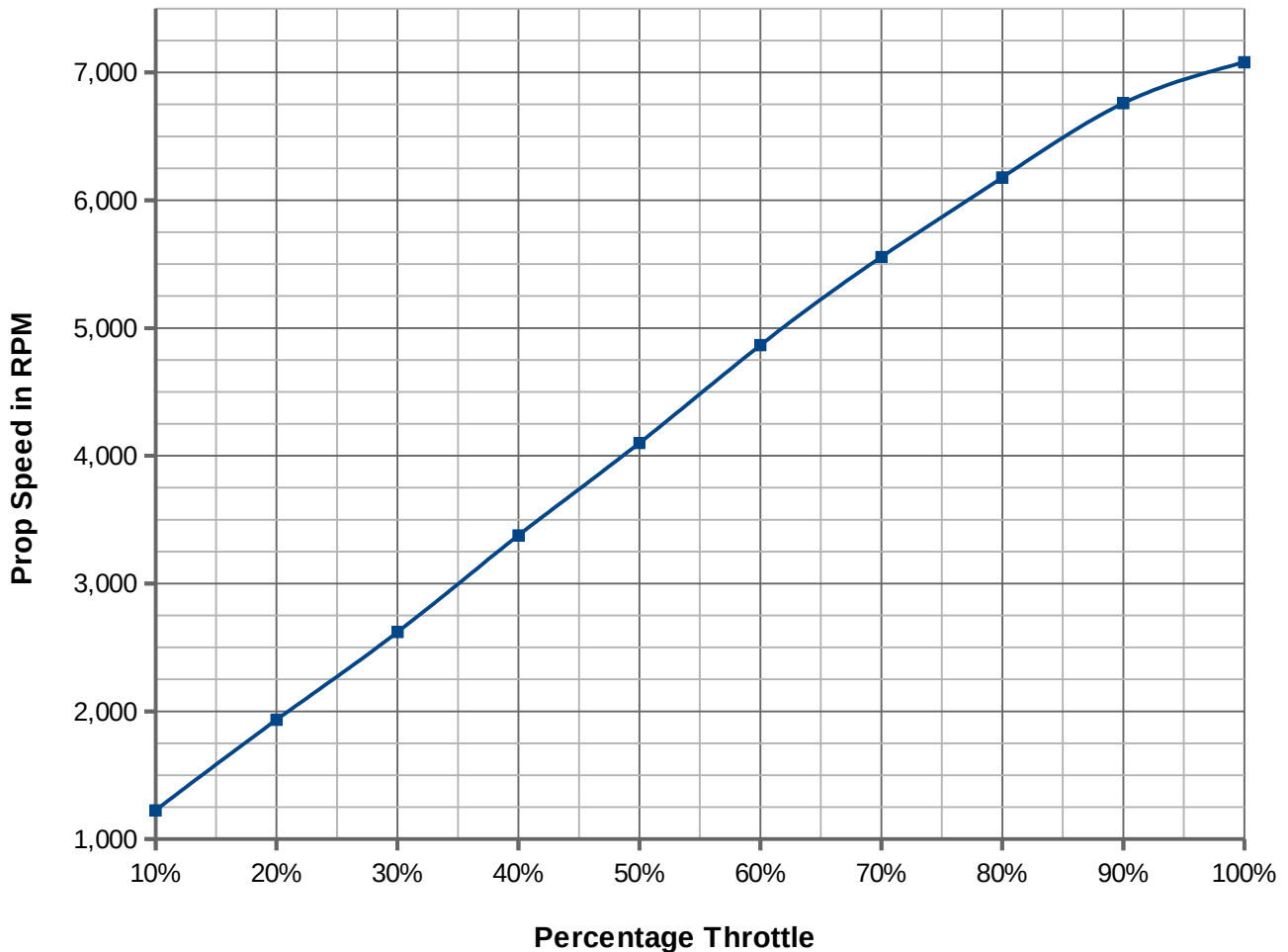
Motor Current vs Throttle Position



Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	3.60	1,225	38.7	1.36	10.76
20%	0.35	7.75	1,934	102.7	3.62	13.26
30%	0.69	15.41	2,620	187.3	6.60	12.16
40%	1.32	29.19	3,377	320.0	11.28	10.96
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70%	5.74	127.41	5,556	935.3	32.96	7.34
80%	8.11	179.95	6,178	1178.0	41.52	6.55
90%	11.01	244.36	6,759	1427.4	50.30	5.84
100%	13.03	289.18	7,080	1605.4	56.58	5.55

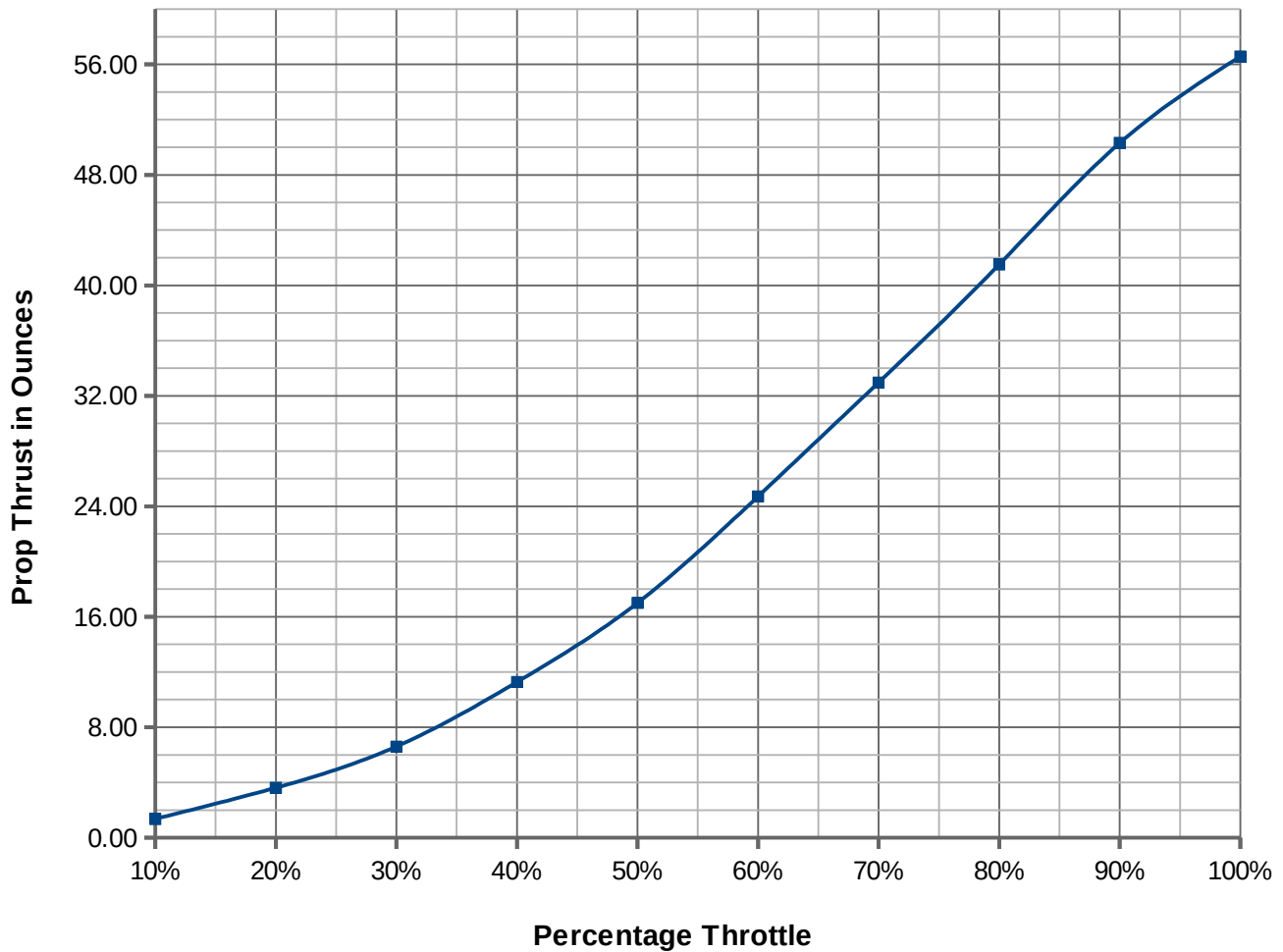
Propeller RPM vs Throttle Position



Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	3.60	1,225	38.7	1.36	10.76
20%	0.35	7.75	1,934	102.7	3.62	13.26
30%	0.69	15.41	2,620	187.3	6.60	12.16
40%	1.32	29.19	3,377	320.0	11.28	10.96
50%	2.26	50.17	4,100	482.3	17.00	9.61
60%	3.80	84.38	4,866	701.3	24.72	8.31
70%	5.74	127.41	5,556	935.3	32.96	7.34
80%	8.11	179.95	6,178	1178.0	41.52	6.55
90%	11.01	244.36	6,759	1427.4	50.30	5.84
100%	13.03	289.18	7,080	1605.4	56.58	5.55

Propeller Thrust vs Throttle Position



Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 22.2 volts with RC-Timer 12x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	3.60	1,225	38.7	1.36	10.76
20%	0.35	7.75	1,934	102.7	3.62	13.26
30%	0.69	15.41	2,620	187.3	6.60	12.16
40%	1.32	29.19	3,377	320.0	11.28	10.96
50%	2.26	50.17	4,100	482.3	17.00	9.61
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70%	5.74	127.41	5,556	935.3	32.96	7.34
80%	8.11	179.95	6,178	1178.0	41.52	6.55
90%	11.01	244.36	6,759	1427.4	50.30	5.84
100%	13.03	289.18	7,080	1605.4	56.58	5.55

Propeller Efficiency vs Throttle Position

