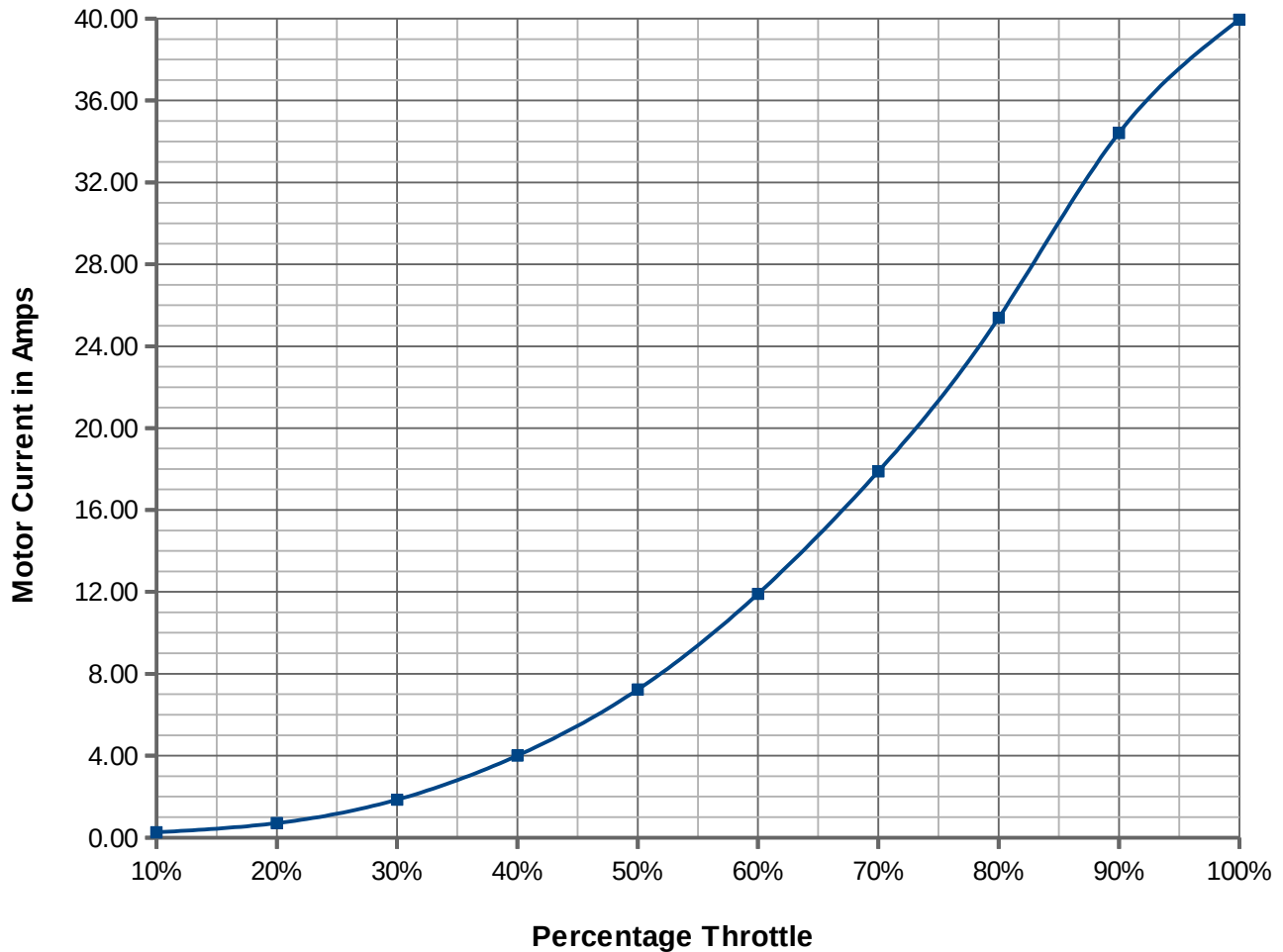


Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 22.2 volts with RC-Timer 15x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.75	1,207	86.1	3.03	14.97
20%	0.71	15.72	1,888	219.7	7.74	13.98
30%	1.85	41.11	2,654	478.7	16.87	11.64
40%	4.01	88.91	3,378	831.0	29.29	9.35
50%	7.23	160.44	4,047	1233.1	43.46	7.69
60%	11.91	264.31	4,637	1679.9	59.20	6.36
70%	17.88	397.02	5,188	2166.8	76.36	5.46
80%	25.38	563.52	5,694	2639.8	93.03	4.68
90%	34.42	764.06	6,136	3136.3	110.53	4.10
100%	39.95	886.89	6,352	3375.4	118.96	3.81

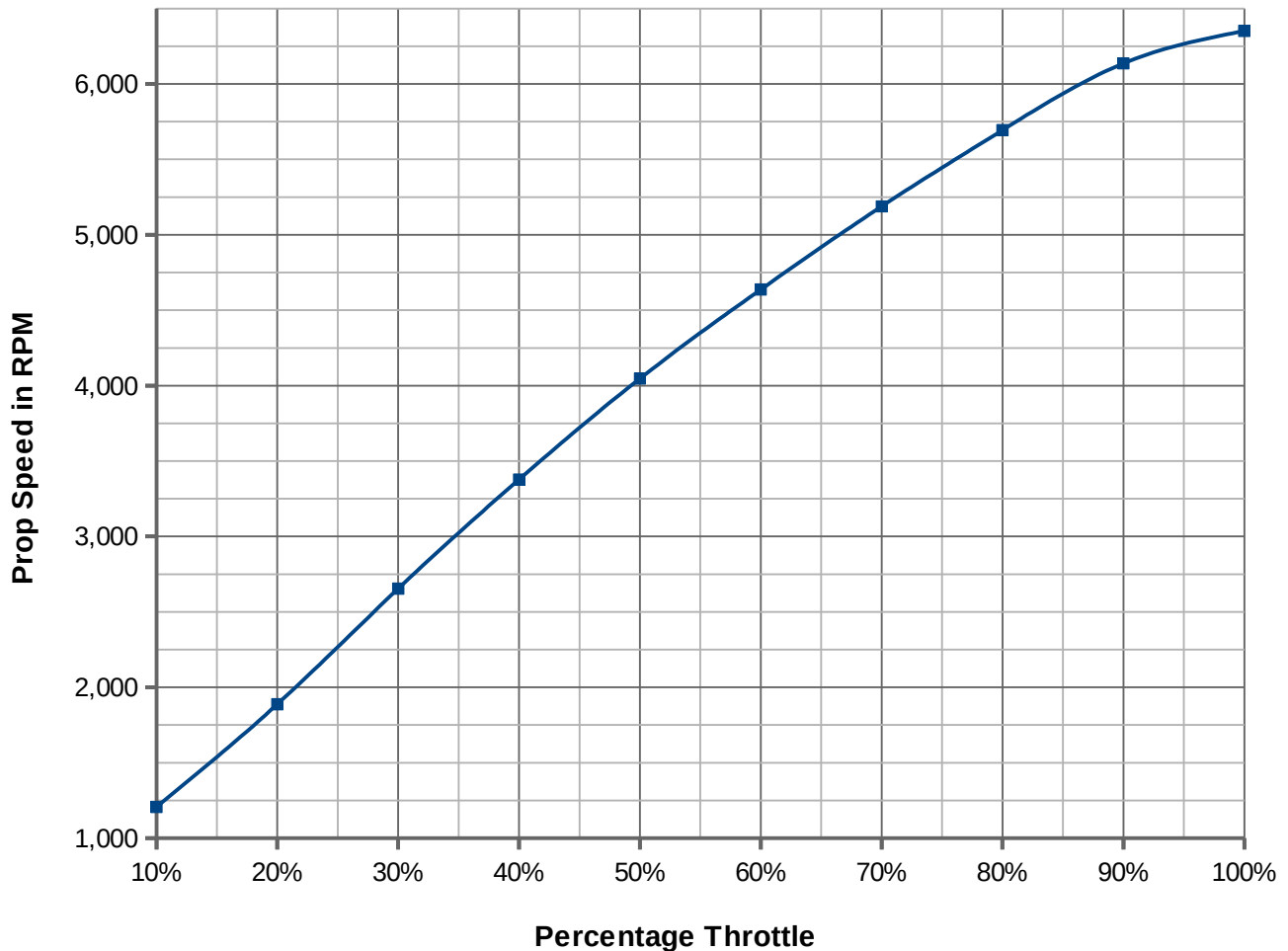
Motor Current vs Throttle Position



Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 22.2 volts with RC-Timer 15x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.75	1,207	86.1	3.03	14.97
20%	0.71	15.72	1,888	219.7	7.74	13.98
30%	1.85	41.11	2,654	478.7	16.87	11.64
40%	4.01	88.91	3,378	831.0	29.29	9.35
50%	7.23	160.44	4,047	1233.1	43.46	7.69
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90%	34.42	764.06	6,136	3136.3	110.53	4.10
100%	39.95	886.89	6,352	3375.4	118.96	3.81

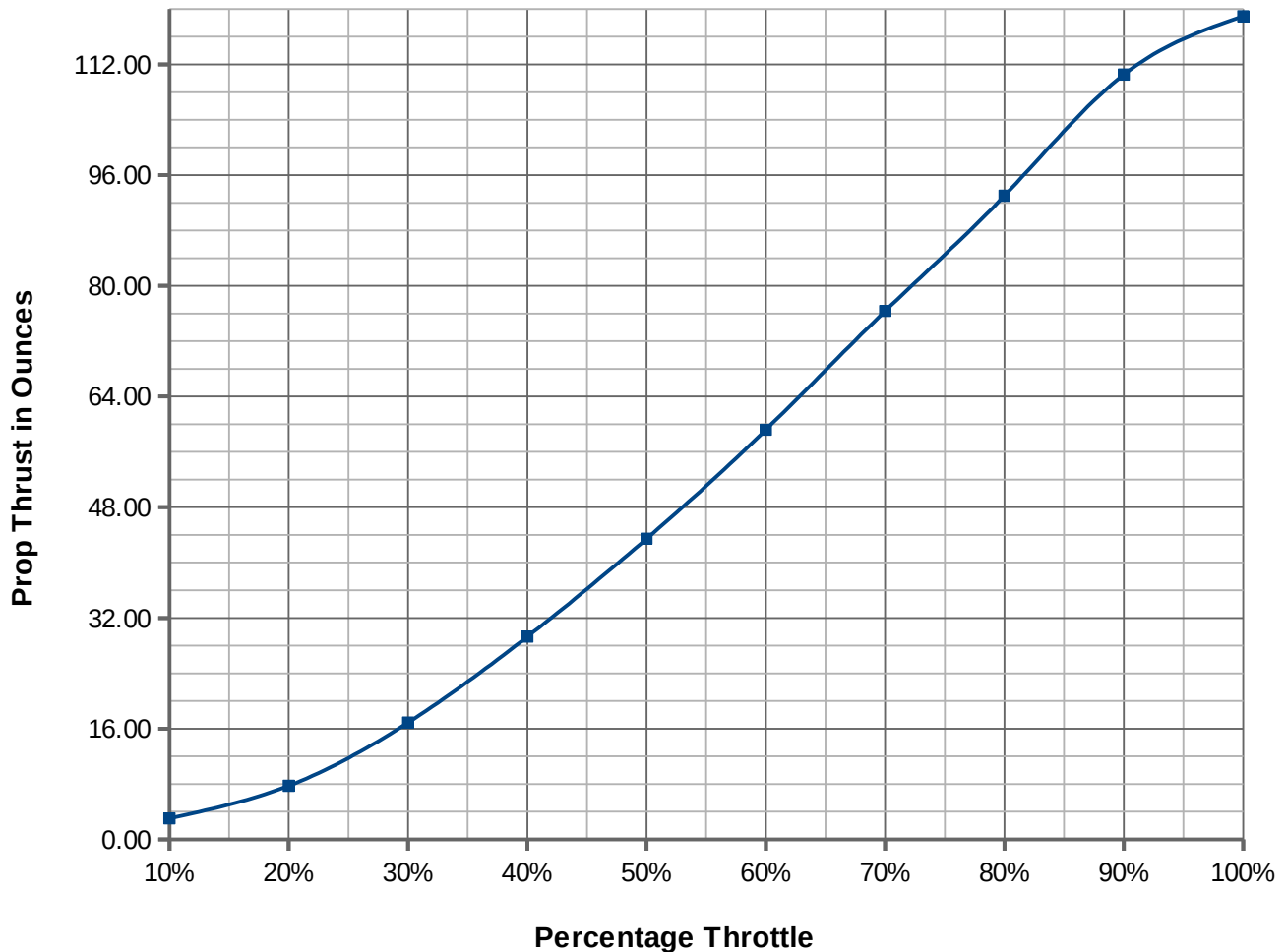
Propeller RPM vs Throttle Position



Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 22.2 volts with RC-Timer 15x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.75	1,207	86.1	3.03	14.97
20%	0.71	15.72	1,888	219.7	7.74	13.98
30%	1.85	41.11	2,654	478.7	16.87	11.64
40%	4.01	88.91	3,378	831.0	29.29	9.35
50%	7.23	160.44	4,047	1233.1	43.46	7.69
60%	11.91	264.31	4,637	1679.9	59.20	6.36
70%	17.88	397.02	5,188	2166.8	76.36	5.46
80%	25.38	563.52	5,694	2639.8	93.03	4.68
90%	34.42	764.06	6,136	3136.3	110.53	4.10
100%	39.95	886.89	6,352	3375.4	118.96	3.81

Propeller Thrust vs Throttle Position



Cobra CM-4510-28 Motor Test Data, Kv=420

Data Collected at 22.2 volts with RC-Timer 15x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.75	1,207	86.1	3.03	14.97
20%	0.71	15.72	1,888	219.7	7.74	13.98
30%	1.85	41.11	2,654	478.7	16.87	11.64
40%	4.01	88.91	3,378	831.0	29.29	9.35
50%	7.23	160.44	4,047	1233.1	43.46	7.69
60%	11.91	264.31	4,637	1679.9	59.20	6.36
70%	17.88	397.02	5,188	2166.8	76.36	5.46
80%	25.38	563.52	5,694	2639.8	93.03	4.68
90%	34.42	764.06	6,136	3136.3	110.53	4.10
100%	39.95	886.89	6,352	3375.4	118.96	3.81

Propeller Efficiency vs Throttle Position

