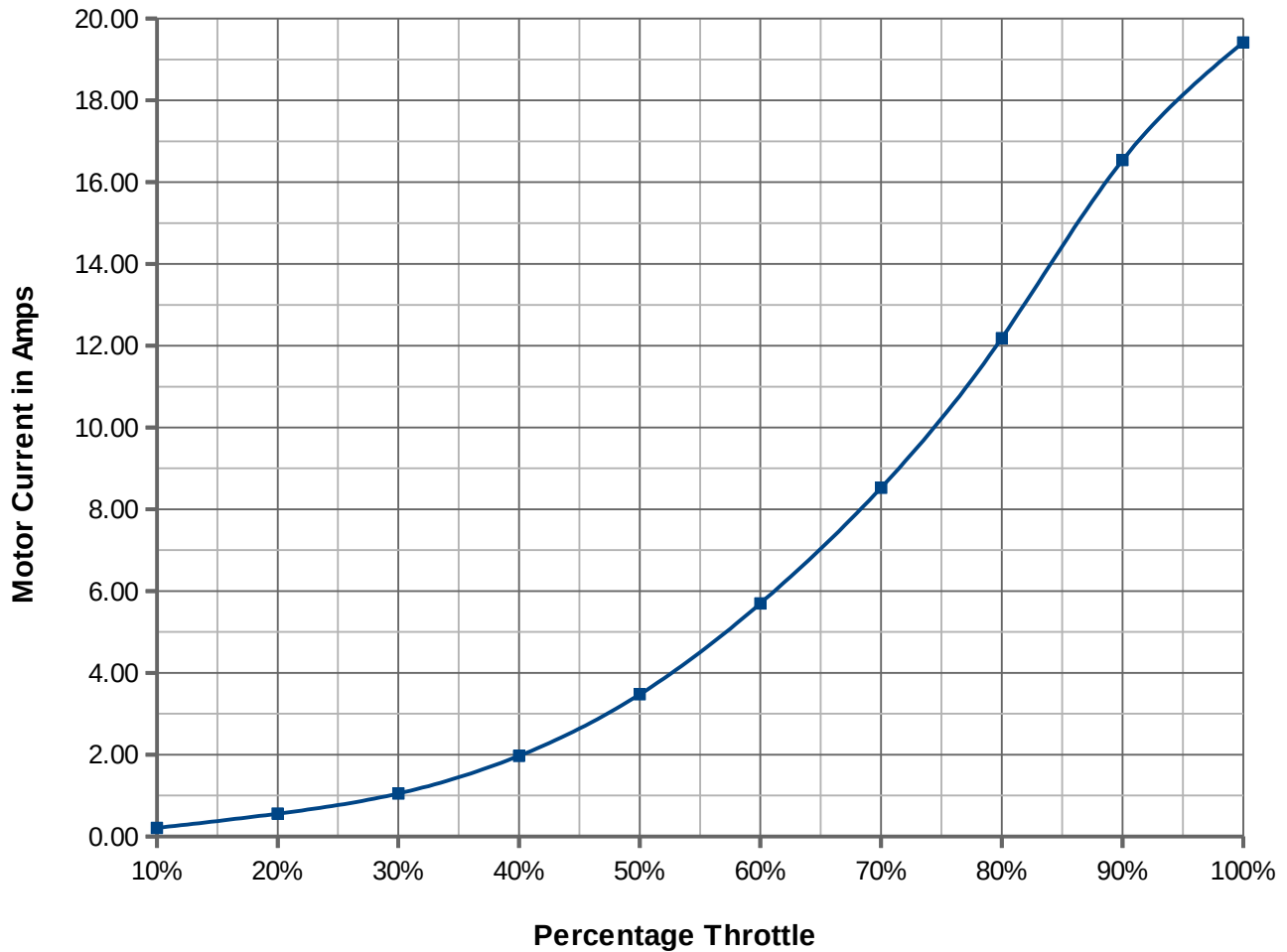


Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 11.1 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.21	2.32	1,100	46.4	1.64	20.00
20%	0.56	6.19	1,707	102.6	3.62	16.56
30%	1.05	11.66	2,194	165.5	5.83	14.20
40%	1.97	21.89	2,766	272.5	9.60	12.45
50%	3.47	38.56	3,373	413.5	14.57	10.72
60%	5.70	63.27	3,927	594.0	20.93	9.39
70%	8.53	94.65	4,472	768.4	27.08	8.12
80%	12.19	135.29	4,956	982.4	34.62	7.26
90%	16.54	183.56	5,400	1187.7	41.86	6.47
100%	19.42	215.53	5,635	1307.6	46.08	6.07

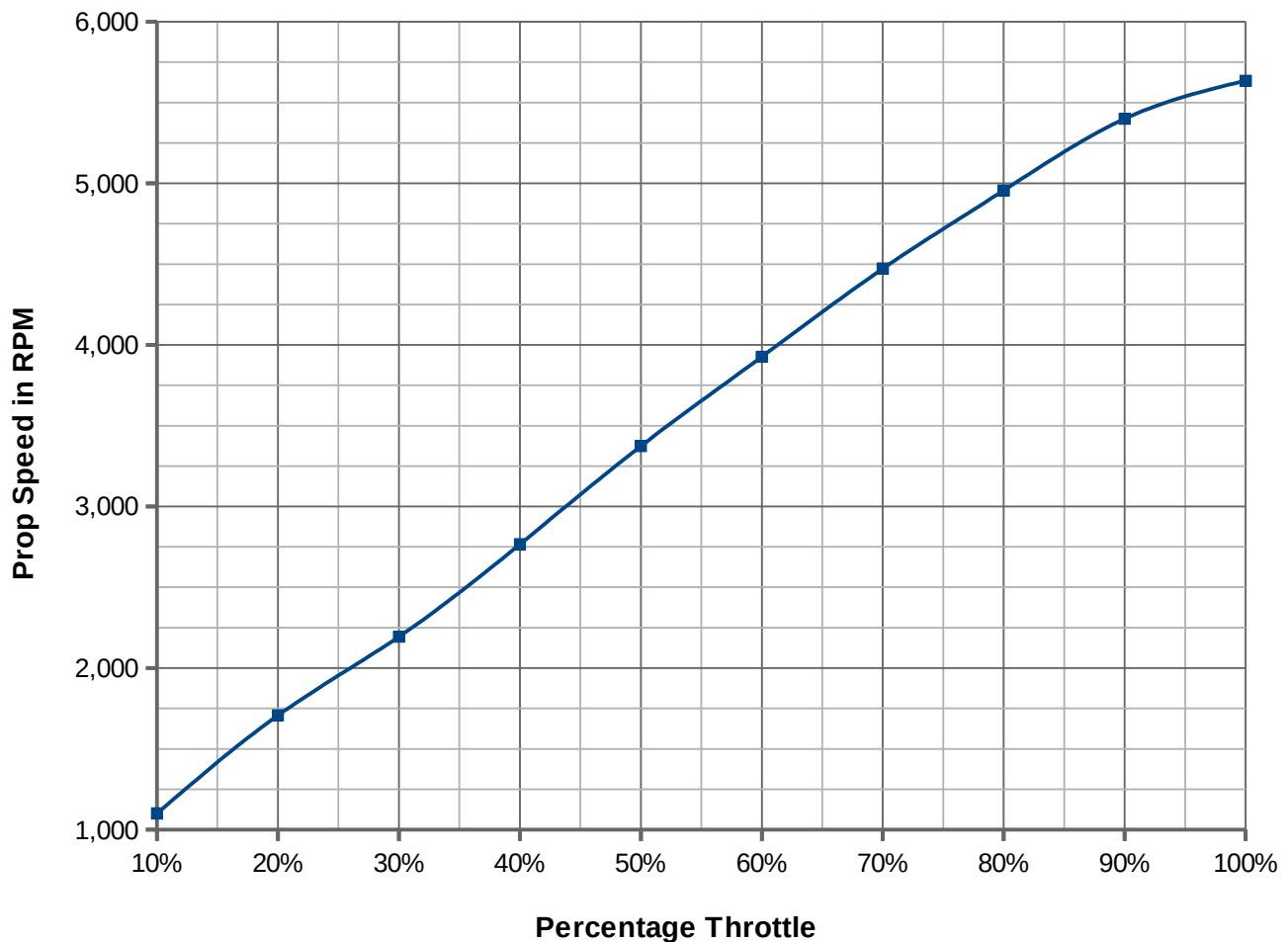
Motor Current vs Throttle Position



Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 11.1 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.21	2.32	1,100	46.4	1.64	20.00
20%	0.56	6.19	1,707	102.6	3.62	16.56
30%	1.05	11.66	2,194	165.5	5.83	14.20
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80%	12.19	135.29	4,956	982.4	34.62	7.26
90%	16.54	183.56	5,400	1187.7	41.86	6.47
100%	19.42	215.53	5,635	1307.6	46.08	6.07

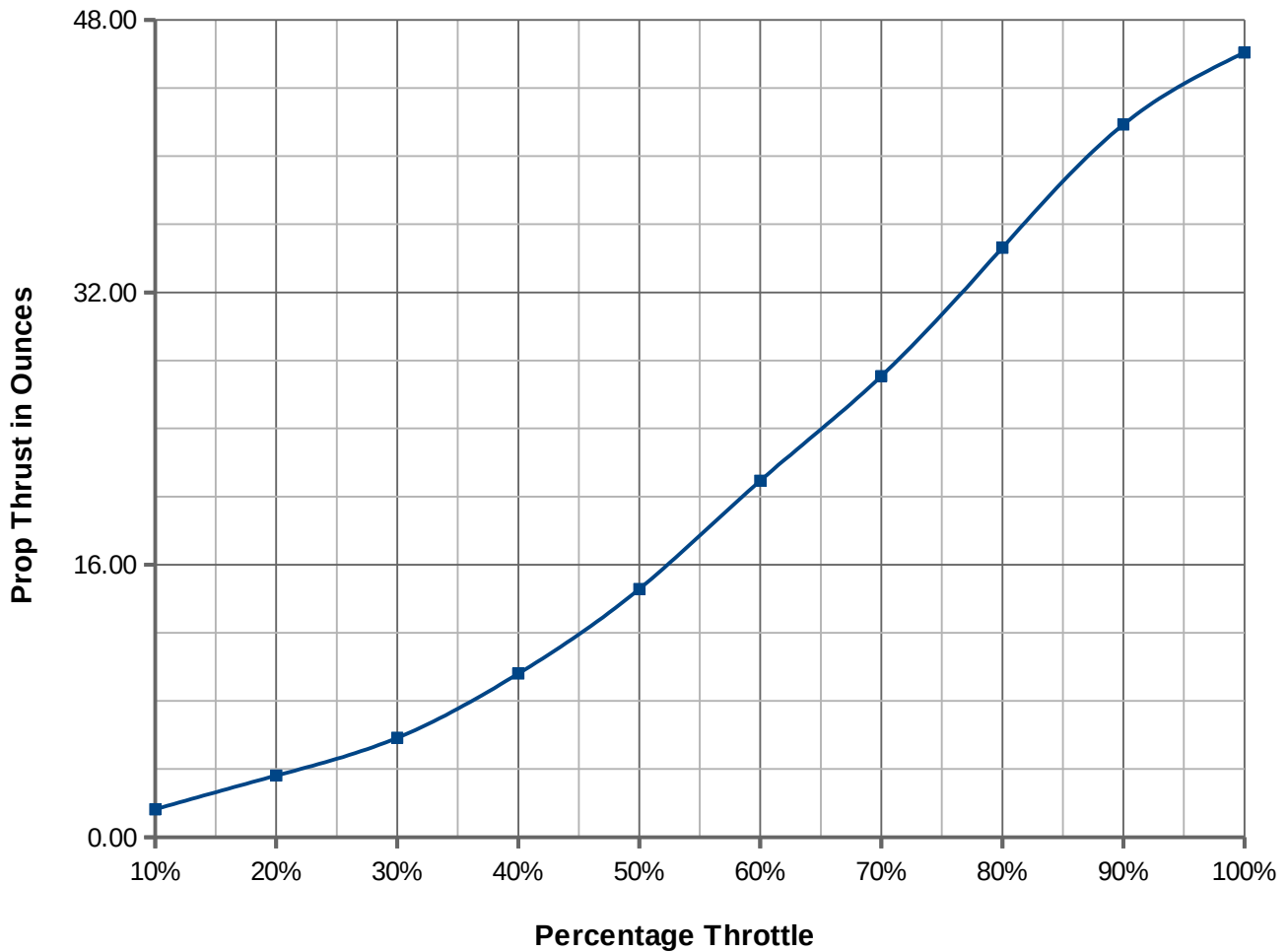
Propeller RPM vs Throttle Position



Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 11.1 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.21	2.32	1,100	46.4	1.64	20.00
20%	0.56	6.19	1,707	102.6	3.62	16.56
30%	1.05	11.66	2,194	165.5	5.83	14.20
40%	1.97	21.89	2,766	272.5	9.60	12.45
50%	3.47	38.56	3,373	413.5	14.57	10.72
60%	5.70	63.27	3,927	594.0	20.93	9.39
70%	8.53	94.65	4,472	768.4	27.08	8.12
80%	12.19	135.29	4,956	982.4	34.62	7.26
90%	16.54	183.56	5,400	1187.7	41.86	6.47
100%	19.42	215.53	5,635	1307.6	46.08	6.07

Propeller Thrust vs Throttle Position



Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 11.1 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.21	2.32	1,100	46.4	1.64	20.00
20%	0.56	6.19	1,707	102.6	3.62	16.56
30%	1.05	11.66	2,194	165.5	5.83	14.20
40%	1.97	21.89	2,766	272.5	9.60	12.45
50%	3.47	38.56	3,373	413.5	14.57	10.72
60%	5.70	63.27	3,927	594.0	20.93	9.39
70%	8.53	94.65	4,472	768.4	27.08	8.12
80%	12.19	135.29	4,956	982.4	34.62	7.26
90%	16.54	183.56	5,400	1187.7	41.86	6.47
100%	19.42	215.53	5,635	1307.6	46.08	6.07

Propeller Efficiency vs Throttle Position

