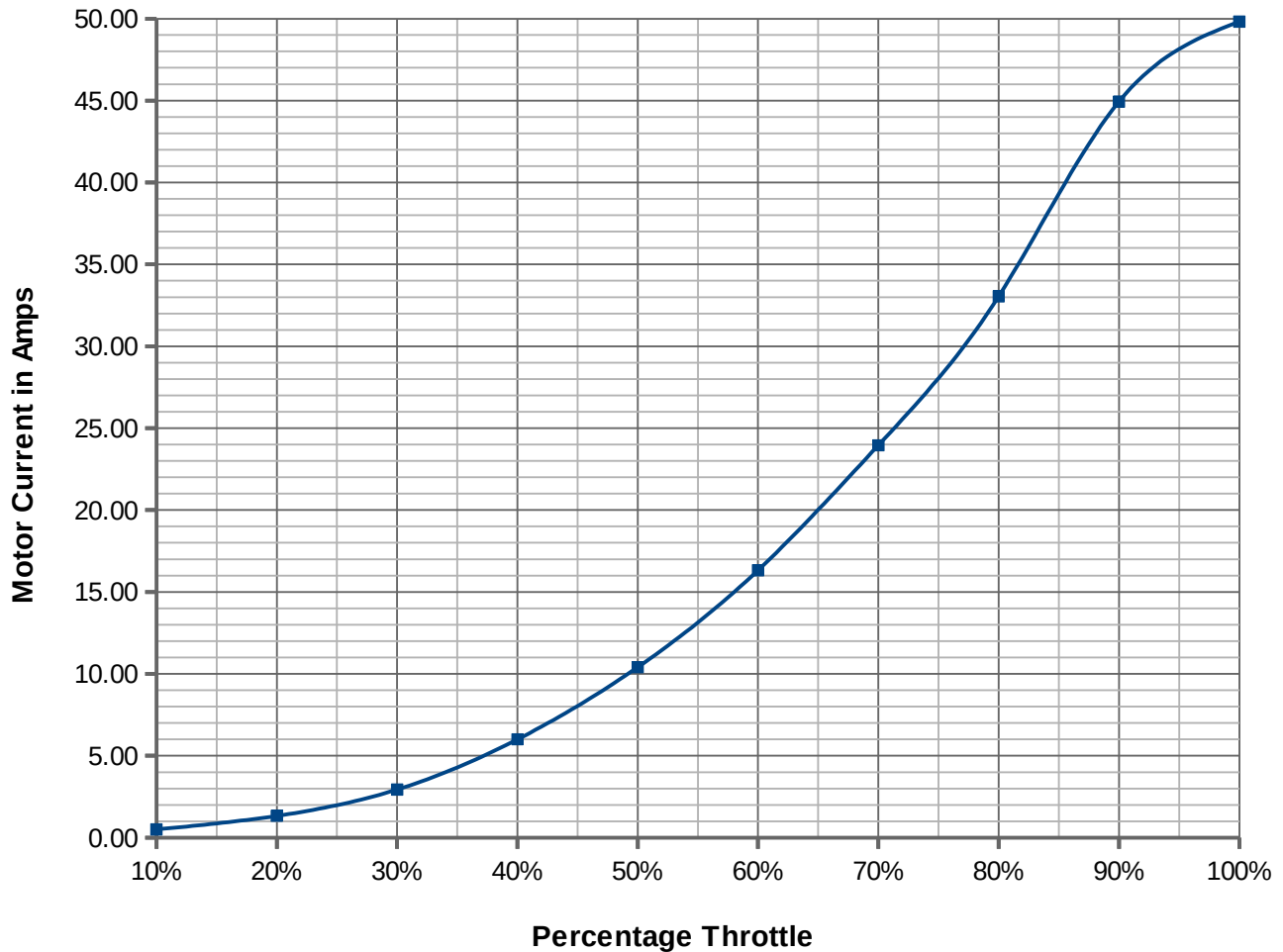


Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 18.5 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.50	9.25	1,098	122.4	4.31	13.23
20%	1.33	24.61	1,731	307.9	10.85	12.51
30%	2.94	54.33	2,371	588.3	20.73	10.83
40%	6.00	111.02	3,048	1025.3	36.13	9.24
50%	10.41	192.49	3,646	1509.0	53.18	7.84
60%	16.32	301.99	4,178	2064.3	72.75	6.84
70%	23.96	443.17	4,688	2682.5	94.54	6.05
80%	33.05	611.35	5,152	3270.6	115.26	5.35
90%	44.94	831.46	5,579	3945.4	139.04	4.75
100%	49.82	921.69	5,770	4187.8	147.59	4.54

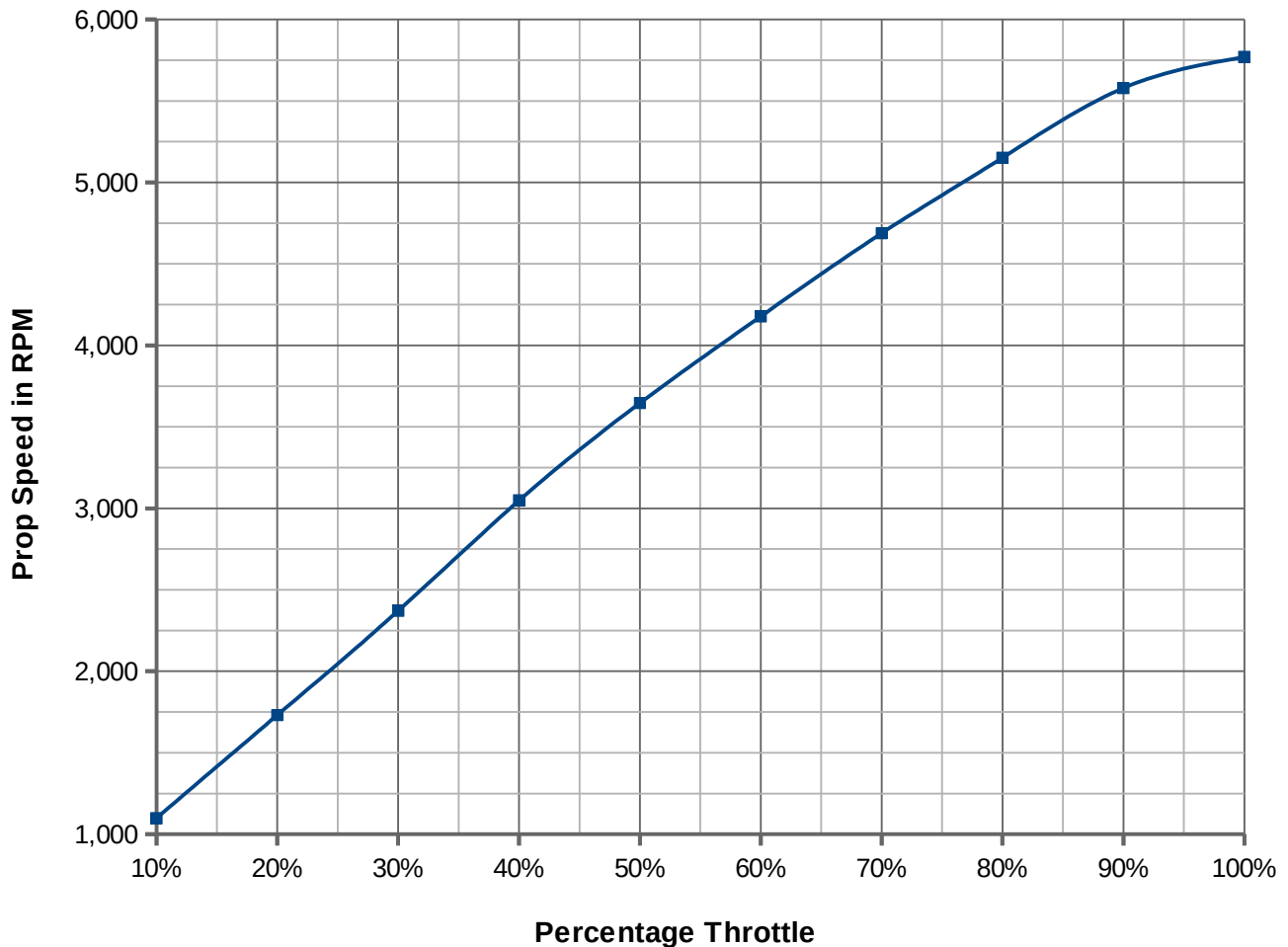
Motor Current vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.50	9.25	1,098	122.4	4.31	13.23
20%	1.33	24.61	1,731	307.9	10.85	12.51
30%	2.94	54.33	2,371	588.3	20.73	10.83
40%	6.00	111.02	3,048	1025.3	36.13	9.24
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70%	23.96	443.17	4,688	2682.5	94.54	6.05
80%	33.05	611.35	5,152	3270.6	115.26	5.35
90%	44.94	831.46	5,579	3945.4	139.04	4.75
100%	49.82	921.69	5,770	4187.8	147.59	4.54

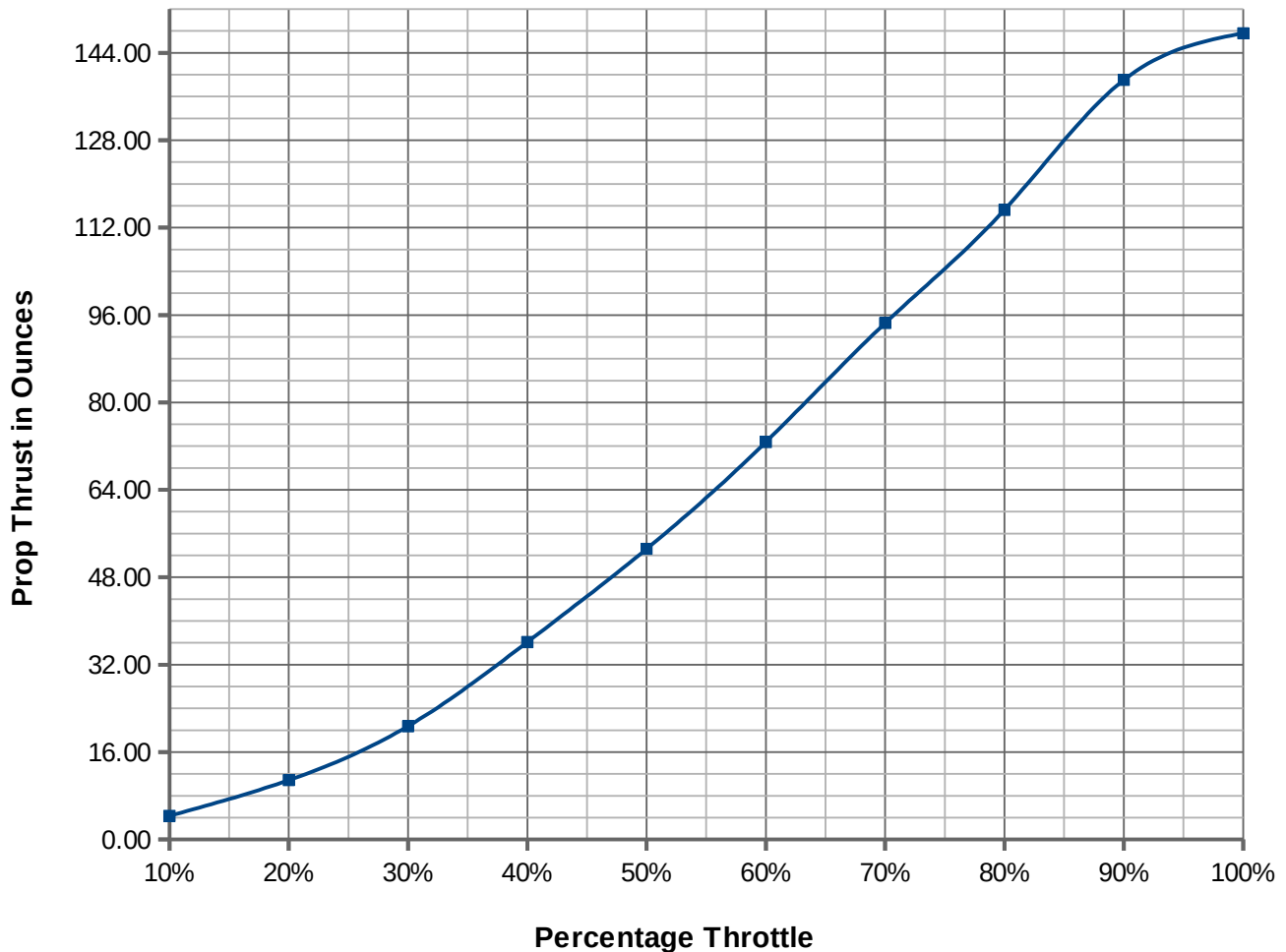
Propeller RPM vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.50	9.25	1,098	122.4	4.31	13.23
20%	1.33	24.61	1,731	307.9	10.85	12.51
30%	2.94	54.33	2,371	588.3	20.73	10.83
40%	6.00	111.02	3,048	1025.3	36.13	9.24
50%	10.41	192.49	3,646	1509.0	53.18	7.84
60%	16.32	301.99	4,178	2064.3	72.75	6.84
70%	23.96	443.17	4,688	2682.5	94.54	6.05
80%	33.05	611.35	5,152	3270.6	115.26	5.35
90%	44.94	831.46	5,579	3945.4	139.04	4.75
100%	49.82	921.69	5,770	4187.8	147.59	4.54

Propeller Thrust vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 17x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.50	9.25	1,098	122.4	4.31	13.23
20%	1.33	24.61	1,731	307.9	10.85	12.51
30%	2.94	54.33	2,371	588.3	20.73	10.83
40%	6.00	111.02	3,048	1025.3	36.13	9.24
50%	10.41	192.49	3,646	1509.0	53.18	7.84
60%	16.32	301.99	4,178	2064.3	72.75	6.84
70%	23.96	443.17	4,688	2682.5	94.54	6.05
80%	33.05	611.35	5,152	3270.6	115.26	5.35
90%	44.94	831.46	5,579	3945.4	139.04	4.75
100%	49.82	921.69	5,770	4187.8	147.59	4.54

Propeller Efficiency vs Throttle Position

