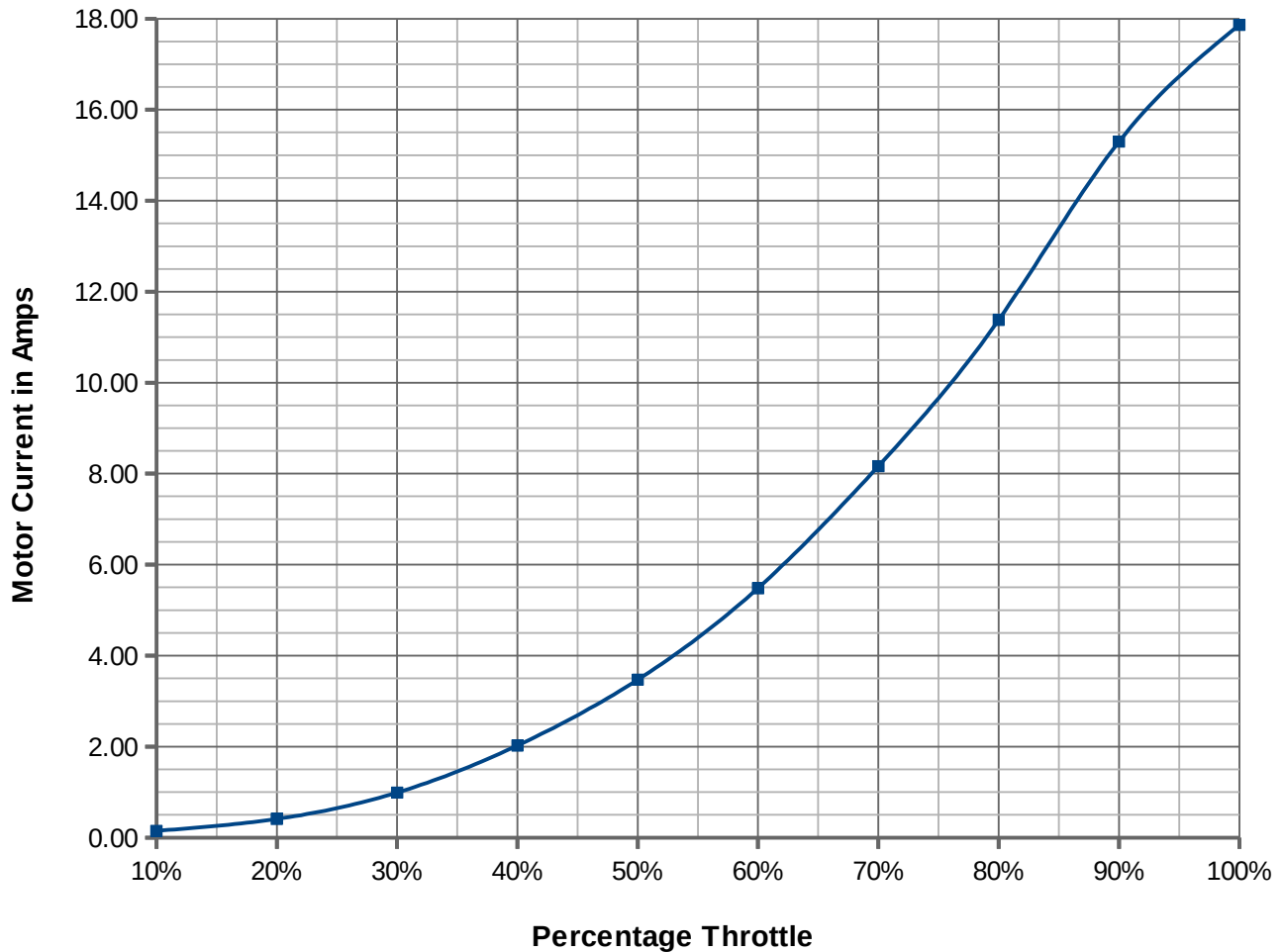


Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 18.5 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.15	2.76	791	38.9	1.37	14.11
20%	0.41	7.62	1,411	128.0	4.51	16.79
30%	0.99	18.33	2,038	278.4	9.81	15.19
40%	2.03	37.48	2,625	493.4	17.39	13.16
50%	3.47	64.21	3,156	725.2	25.56	11.29
60%	5.48	101.45	3,663	1021.3	35.99	10.07
70%	8.17	151.05	4,155	1322.1	46.59	8.75
80%	11.38	210.53	4,598	1615.8	56.94	7.67
90%	15.30	283.03	4,975	1926.7	67.90	6.81
100%	17.87	330.50	5,169	2088.9	73.62	6.32

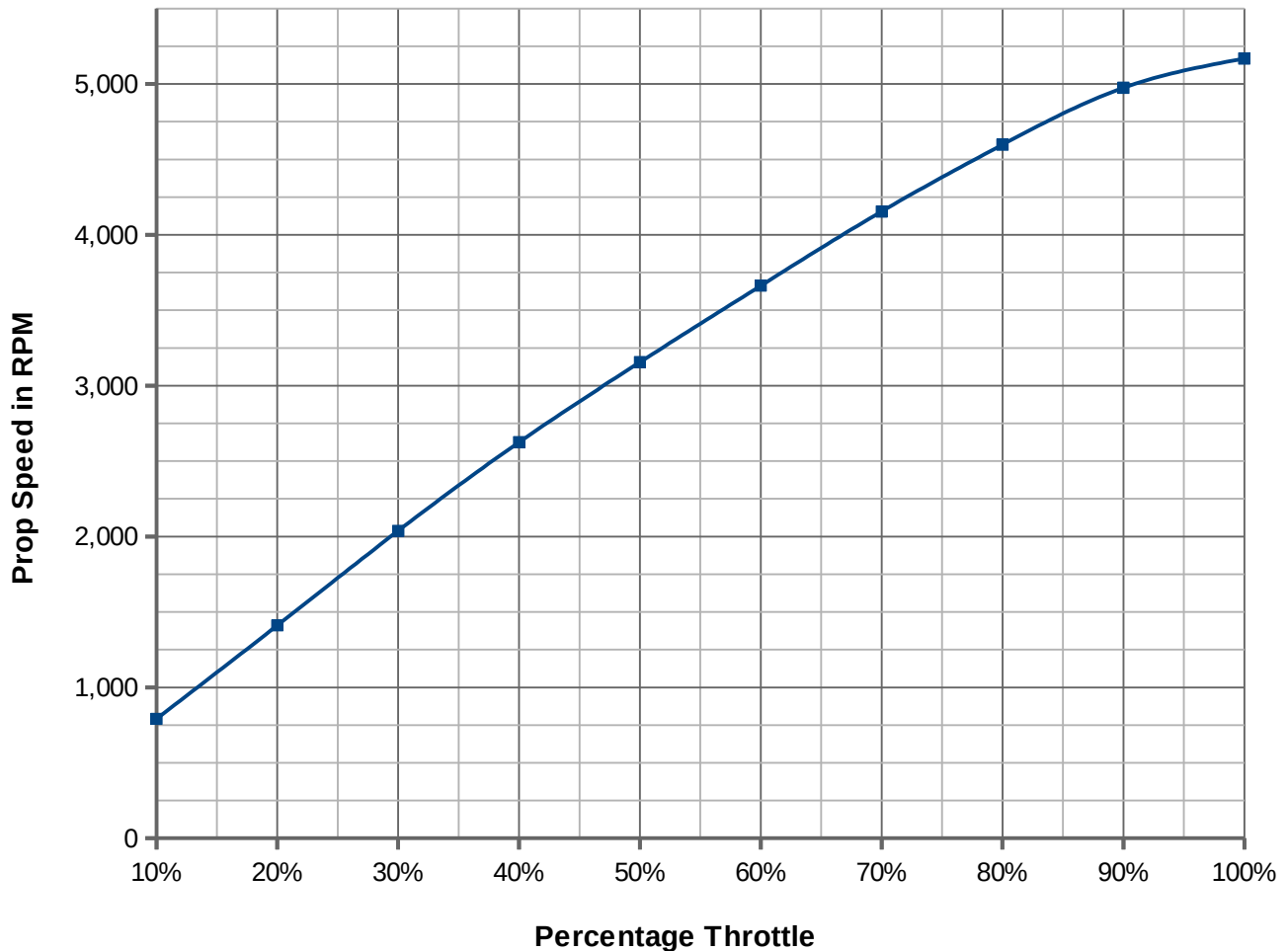
Motor Current vs Throttle Position



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

Data Collected at 18.5 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.15	2.76	791	38.9	1.37	14.11
20%	0.41	7.62	1,411	128.0	4.51	16.79
30%	0.99	18.33	2,038	278.4	9.81	15.19
40%	2.03	37.48	2,625	493.4	17.39	13.16
50%	3.47	64.21	3,156	725.2	25.56	11.29
60%	5.48	101.45	3,663	1021.3	35.99	10.07
70%	8.17	151.05	4,155	1322.1	46.59	8.75
80%	11.38	210.53	4,598	1615.8	56.94	7.67
90%	15.30	283.03	4,975	1926.7	67.90	6.81
100%	17.87	330.50	5,169	2088.9	73.62	6.32

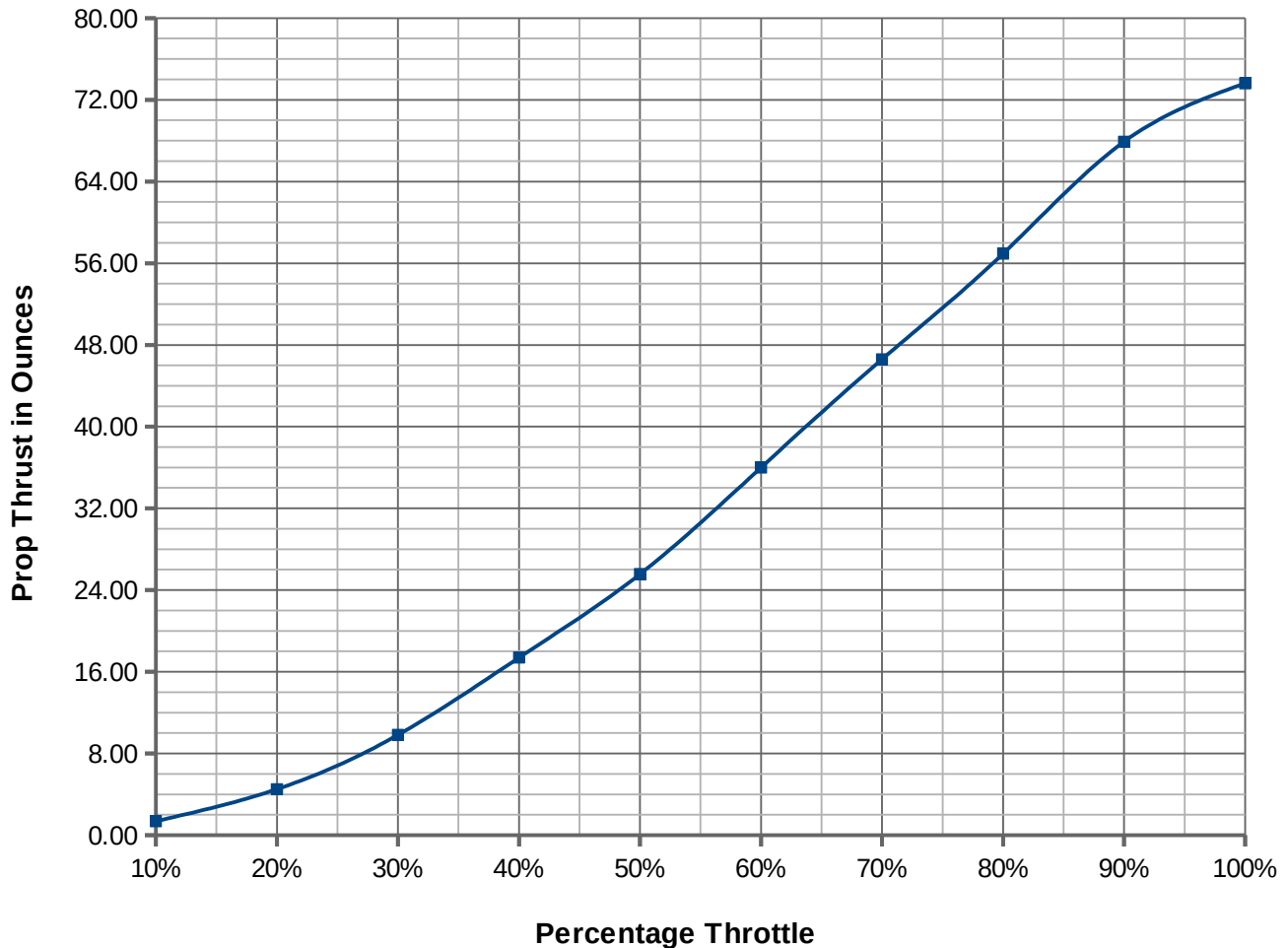
Propeller RPM vs Throttle Position



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

Data Collected at 18.5 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.15	2.76	791	38.9	1.37	14.11
20%	0.41	7.62	1,411	128.0	4.51	16.79
30%	0.99	18.33	2,038	278.4	9.81	15.19
40%	2.03	37.48	2,625	493.4	17.39	13.16
50%	3.47	64.21	3,156	725.2	25.56	11.29
60%	5.48	101.45	3,663	1021.3	35.99	10.07
70%	8.17	151.05	4,155	1322.1	46.59	8.75
80%	11.38	210.53	4,598	1615.8	56.94	7.67
90%	15.30	283.03	4,975	1926.7	67.90	6.81
100%	17.87	330.50	5,169	2088.9	73.62	6.32

Propeller Thrust vs Throttle Position



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

Data Collected at 18.5 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.15	2.76	791	38.9	1.37	14.11
20%	0.41	7.62	1,411	128.0	4.51	16.79
30%	0.99	18.33	2,038	278.4	9.81	15.19
40%	2.03	37.48	2,625	493.4	17.39	13.16
50%	3.47	64.21	3,156	725.2	25.56	11.29
60%	5.48	101.45	3,663	1021.3	35.99	10.07
70%	8.17	151.05	4,155	1322.1	46.59	8.75
80%	11.38	210.53	4,598	1615.8	56.94	7.67
90%	15.30	283.03	4,975	1926.7	67.90	6.81
100%	17.87	330.50	5,169	2088.9	73.62	6.32

Propeller Efficiency vs Throttle Position

