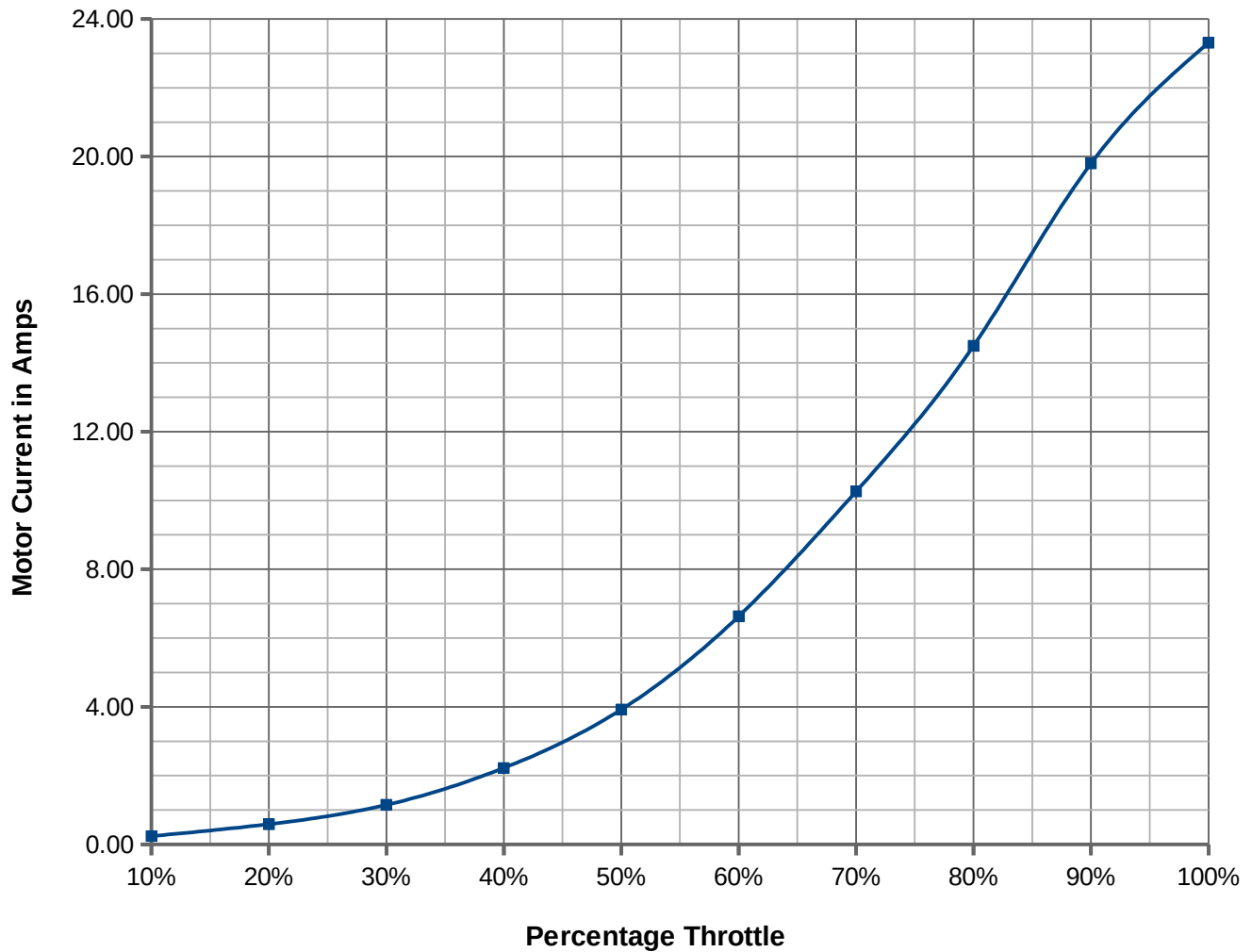


# Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 14.8 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	3.60	1,114	50.1	1.77	13.93
20%	0.59	8.73	1,809	114.4	4.03	13.10
30%	1.15	17.02	2,413	212.3	7.48	12.47
40%	2.22	32.92	3,127	365.1	12.87	11.09
50%	3.92	58.02	3,816	559.8	19.73	9.65
60%	6.63	98.15	4,534	818.9	28.86	8.34
70%	10.26	151.85	5,193	1097.7	38.69	7.23
80%	14.50	214.57	5,749	1388.0	48.92	6.47
90%	19.80	293.05	6,283	1693.7	59.69	5.78
100%	23.31	344.93	6,577	1867.0	65.80	5.41

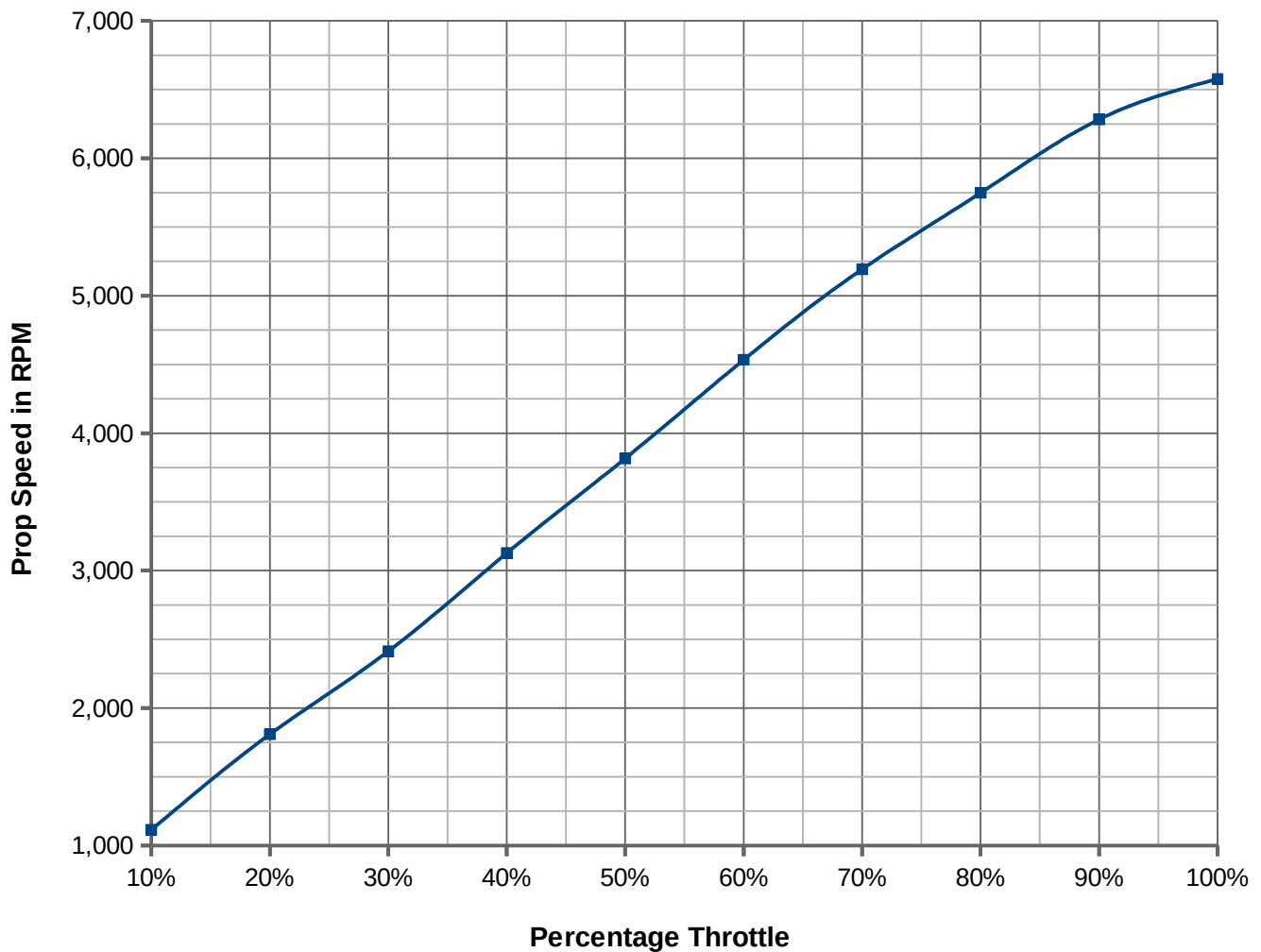
## Motor Current vs Throttle Position



# Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 14.8 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	3.60	1,114	50.1	1.77	13.93
20%	0.59	8.73	1,809	114.4	4.03	13.10
30%	1.15	17.02	2,413	212.3	7.48	12.47
40%	2.22	32.92	3,127	365.1	12.87	11.09
50%	3.92	58.02	3,816	559.8	19.73	9.65
60%	6.63	98.15	4,534	818.9	28.86	8.34
70%	10.26	151.85	5,193	1097.7	38.69	7.23
80%	14.50	214.57	5,749	1388.0	48.92	6.47
90%	19.80	293.05	6,283	1693.7	59.69	5.78
100%	23.31	344.93	6,577	1867.0	65.80	5.41

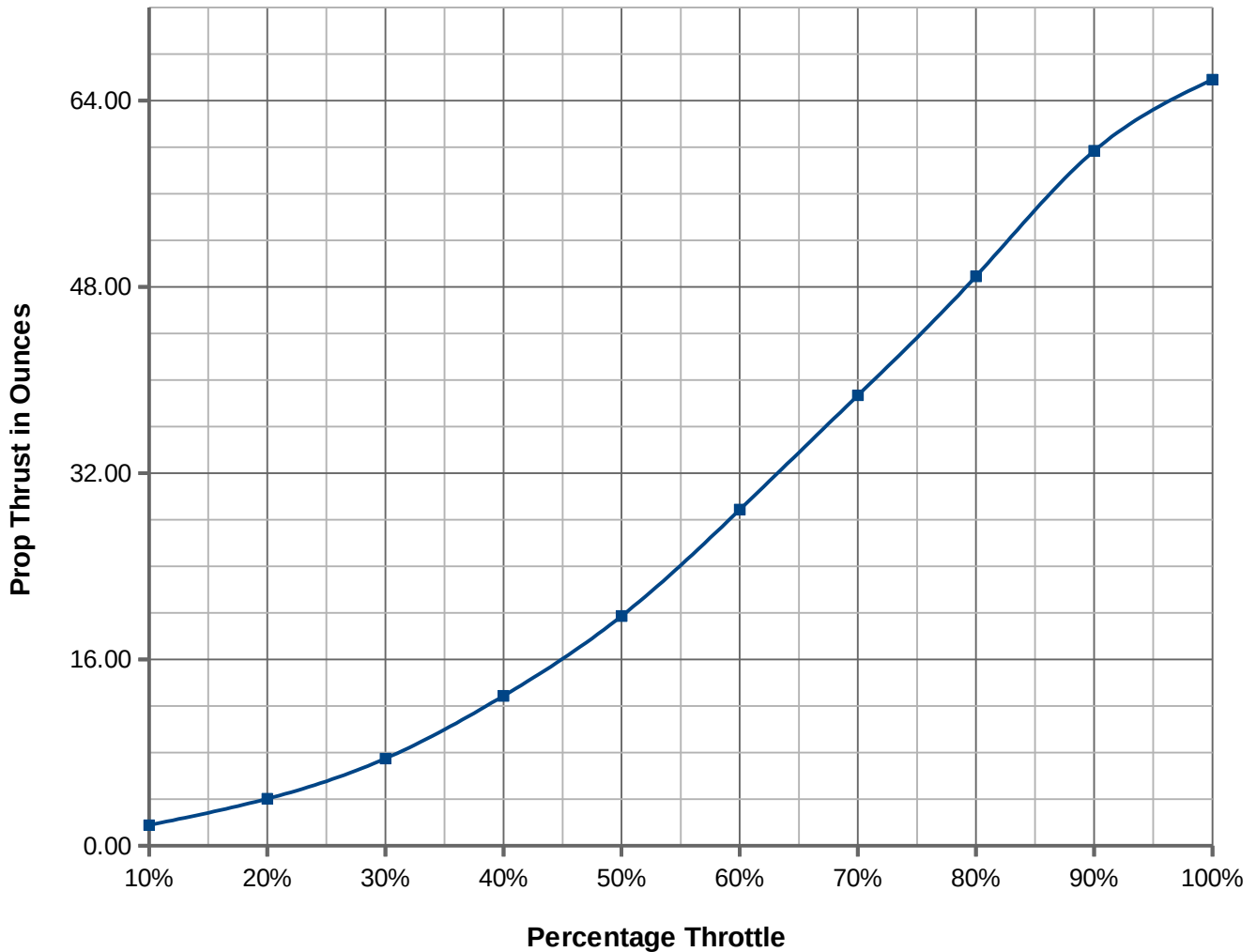
## Propeller RPM vs Throttle Position



# Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 14.8 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	3.60	1,114	50.1	1.77	13.93
20%	0.59	8.73	1,809	114.4	4.03	13.10
30%	1.15	17.02	2,413	212.3	7.48	12.47
40%	2.22	32.92	3,127	365.1	12.87	11.09
50%	3.92	58.02	3,816	559.8	19.73	9.65
60%	6.63	98.15	4,534	818.9	28.86	8.34
70%	10.26	151.85	5,193	1097.7	38.69	7.23
80%	14.50	214.57	5,749	1388.0	48.92	6.47
90%	19.80	293.05	6,283	1693.7	59.69	5.78
100%	23.31	344.93	6,577	1867.0	65.80	5.41

## Propeller Thrust vs Throttle Position



# Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 14.8 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	3.60	1,114	50.1	1.77	13.93
20%	0.59	8.73	1,809	114.4	4.03	13.10
30%	1.15	17.02	2,413	212.3	7.48	12.47
40%	2.22	32.92	3,127	365.1	12.87	11.09
50%	3.92	58.02	3,816	559.8	19.73	9.65
60%	6.63	98.15	4,534	818.9	28.86	8.34
70%	10.26	151.85	5,193	1097.7	38.69	7.23
80%	14.50	214.57	5,749	1388.0	48.92	6.47
90%	19.80	293.05	6,283	1693.7	59.69	5.78
100%	23.31	344.93	6,577	1867.0	65.80	5.41

## Propeller Efficiency vs Throttle Position

