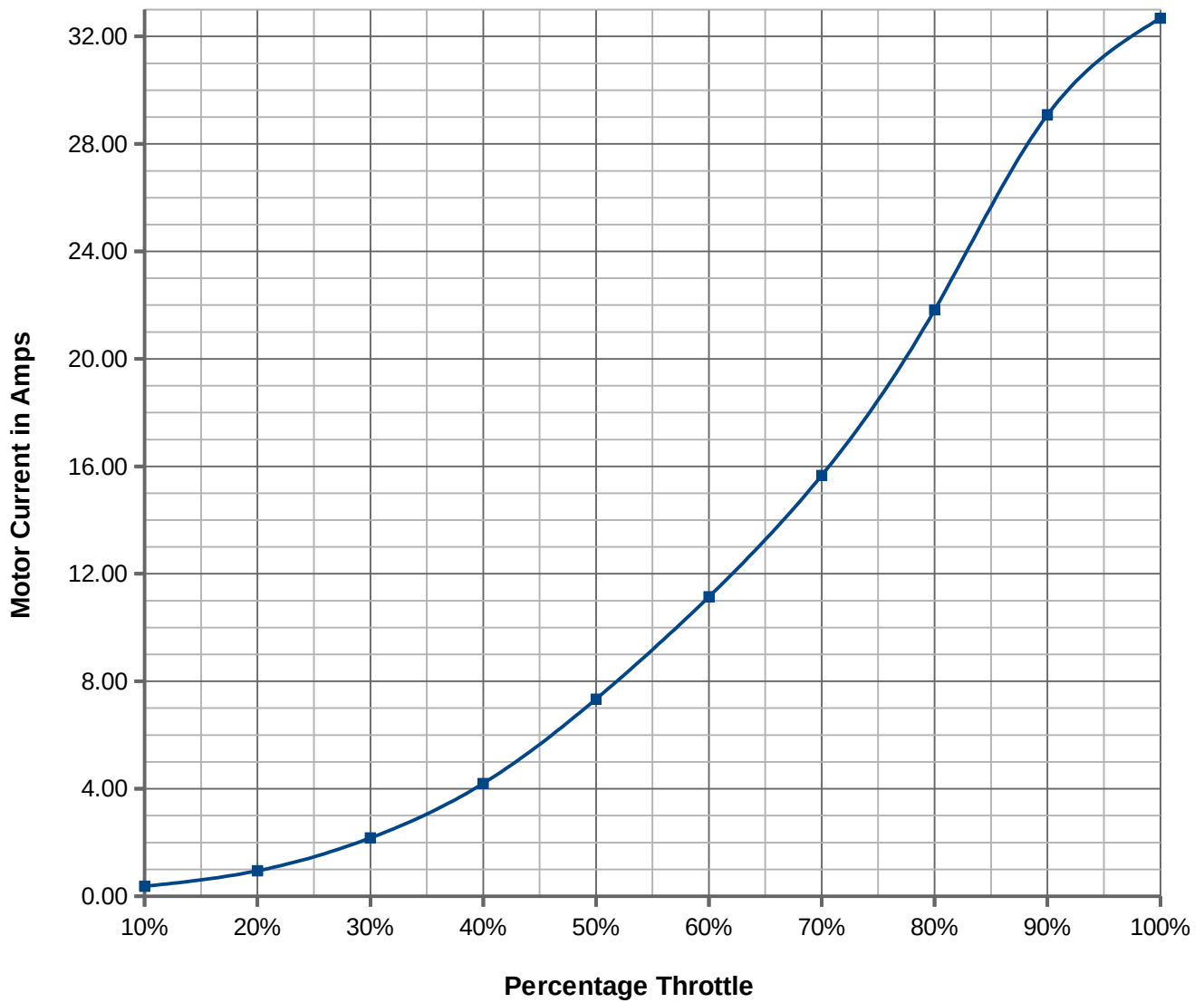


# Cobra CM-4012/20 Motor Test Data, Kv=450

Data Collected at 22.2 volts with T-Motor 16x5.4 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.37	8.21	1,290	106.0	3.74	12.90
20%	0.95	21.05	2,112	271.4	9.56	12.90
30%	2.17	48.17	2,943	536.1	18.89	11.13
40%	4.20	93.20	3,765	887.4	31.27	9.52
50%	7.34	162.88	4,566	1333.7	47.00	8.19
60%	11.15	247.42	5,268	1772.9	62.48	7.17
70%	15.66	347.74	5,878	2219.1	78.21	6.38
80%	21.83	484.52	6,531	2749.7	96.91	5.68
90%	29.08	645.66	7,102	3261.3	114.94	5.05
100%	32.68	725.43	7,353	3474.2	122.44	4.79

## Motor Current vs Throttle Position

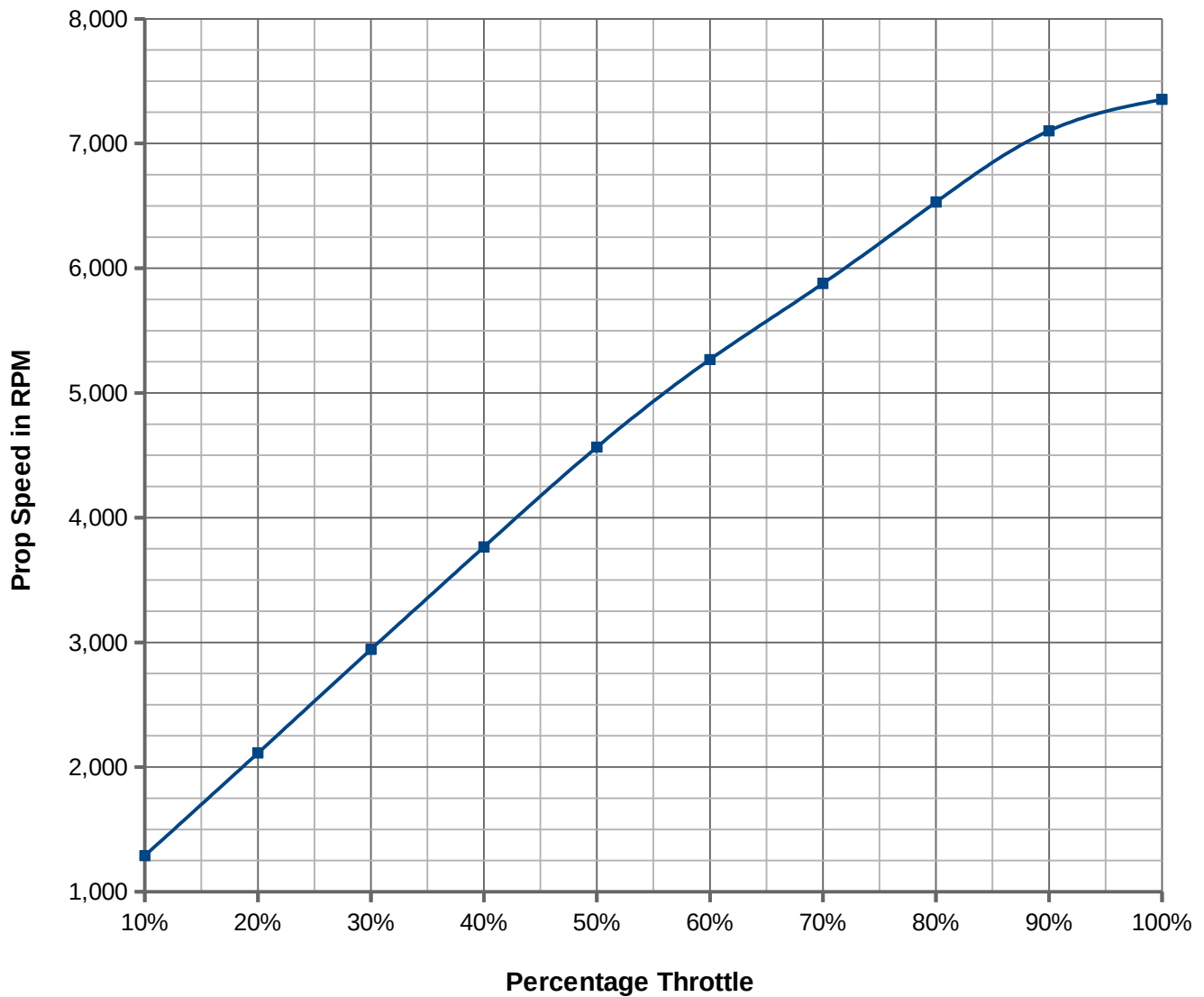




# Cobra CM-4012/20 Motor Test Data, Kv=450

Data Collected at 22.2 volts with T-Motor 16x5.4 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
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80%	21.83	484.52	6,531	2749.7	96.91	5.68
90%	29.08	645.66	7,102	3261.3	114.94	5.05
100%	32.68	725.43	7,353	3474.2	122.44	4.79

## Propeller RPM vs Throttle Position

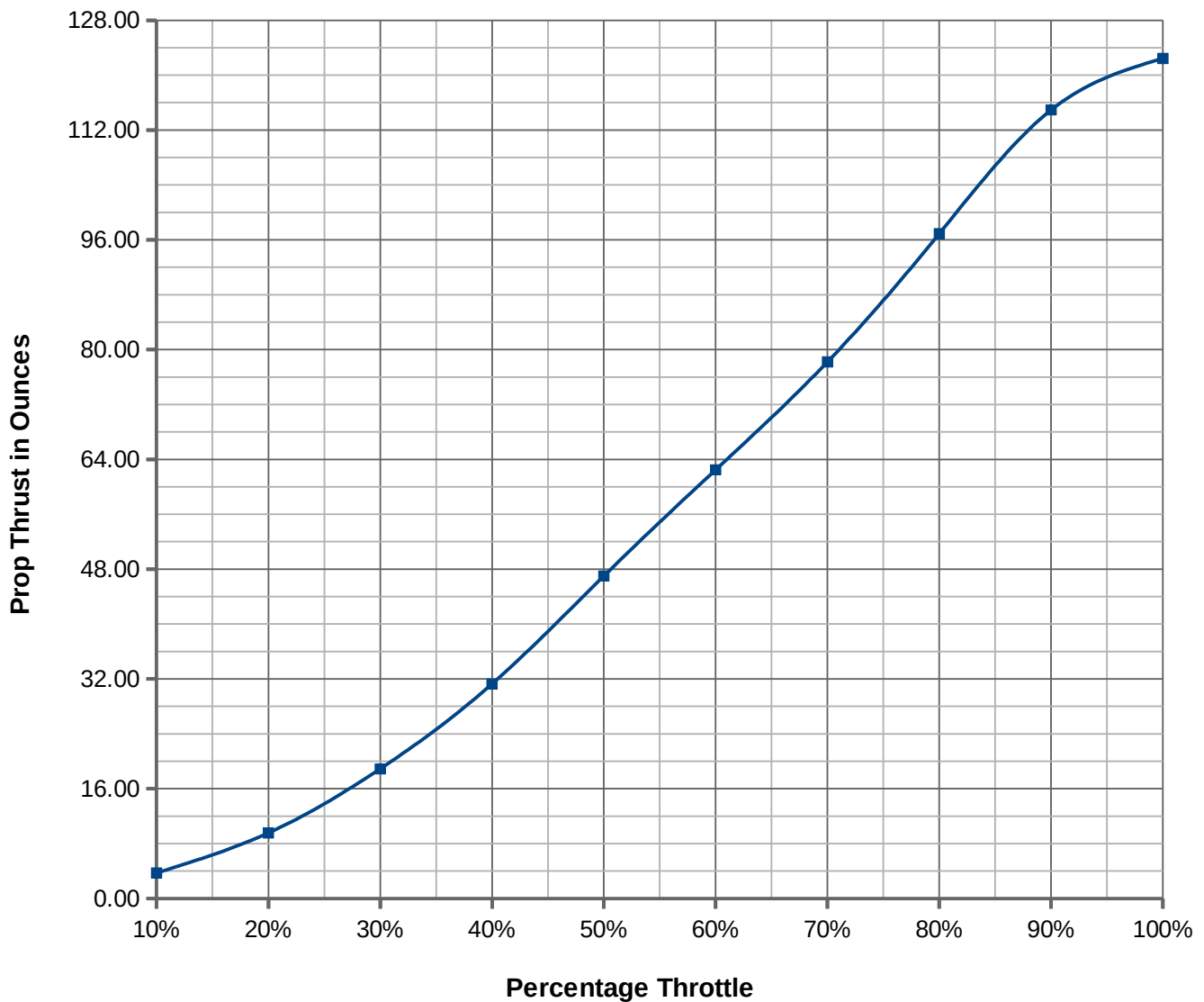




# Cobra CM-4012/20 Motor Test Data, Kv=450

Data Collected at 22.2 volts with T-Motor 16x5.4 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.37	8.21	1,290	106.0	3.74	12.90
20%	0.95	21.05	2,112	271.4	9.56	12.90
30%	2.17	48.17	2,943	536.1	18.89	11.13
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80%	21.83	484.52	6,531	2749.7	96.91	5.68
90%	29.08	645.66	7,102	3261.3	114.94	5.05
100%	32.68	725.43	7,353	3474.2	122.44	4.79

## Propeller Thrust vs Throttle Position





# Cobra CM-4012/20 Motor Test Data, Kv=450

Data Collected at 22.2 volts with T-Motor 16x5.4 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.37	8.21	1,290	106.0	3.74	12.90
20%	0.95	21.05	2,112	271.4	9.56	12.90
30%	2.17	48.17	2,943	536.1	18.89	11.13
40%	4.20	93.20	3,765	887.4	31.27	9.52
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70%	15.66	347.74	5,878	2219.1	78.21	6.38
80%	21.83	484.52	6,531	2749.7	96.91	5.68
90%	29.08	645.66	7,102	3261.3	114.94	5.05
100%	32.68	725.43	7,353	3474.2	122.44	4.79

## Propeller Efficiency vs Throttle Position

