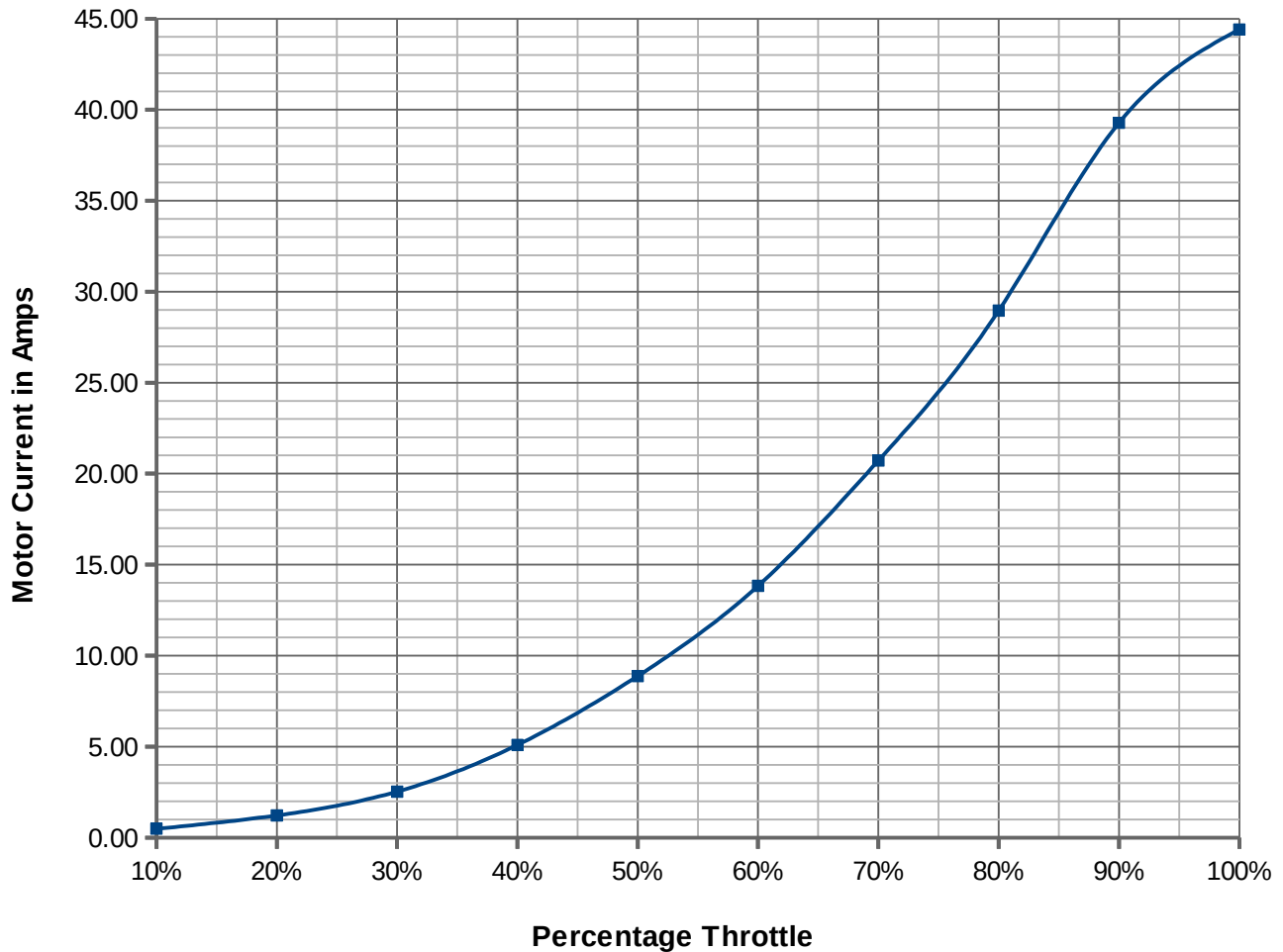


# Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 18.5 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.49	8.97	1,160	113.3	3.99	12.63
20%	1.22	22.57	1,802	274.8	9.68	12.18
30%	2.53	46.81	2,404	518.4	18.27	11.08
40%	5.10	94.26	3,084	876.5	30.89	9.30
50%	8.88	164.30	3,700	1320.6	46.54	8.04
60%	13.83	255.93	4,255	1795.8	63.29	7.02
70%	20.71	383.17	4,796	2379.7	83.87	6.21
80%	28.96	535.74	5,289	2893.7	101.98	5.40
90%	39.28	726.68	5,750	3483.3	122.76	4.79
100%	44.42	821.70	5,943	3786.5	133.44	4.61

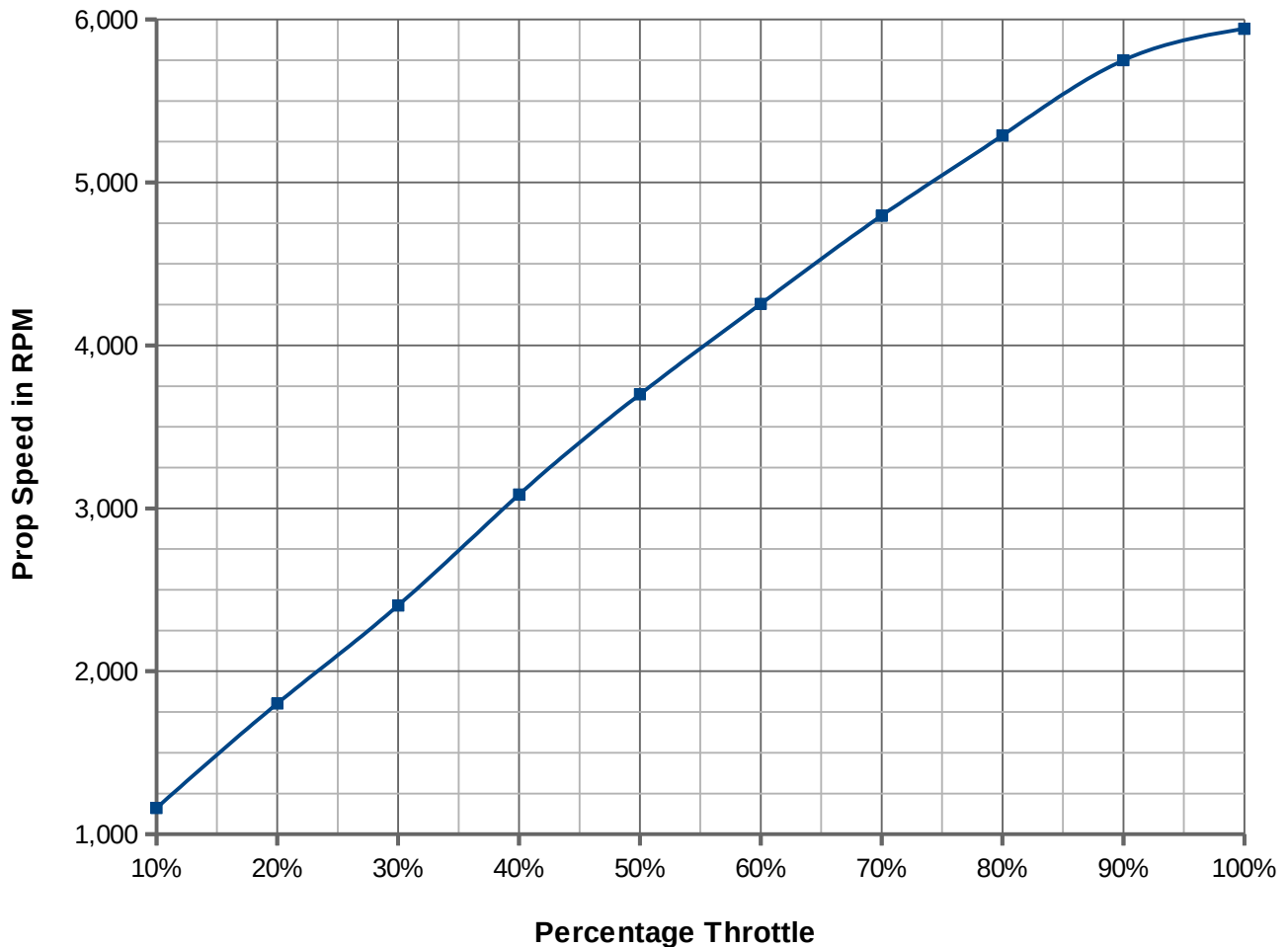
## Motor Current vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.49	8.97	1,160	113.3	3.99	12.63
20%	1.22	22.57	1,802	274.8	9.68	12.18
30%	2.53	46.81	2,404	518.4	18.27	11.08
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70%	20.71	383.17	4,796	2379.7	83.87	6.21
80%	28.96	535.74	5,289	2893.7	101.98	5.40
90%	39.28	726.68	5,750	3483.3	122.76	4.79
100%	44.42	821.70	5,943	3786.5	133.44	4.61

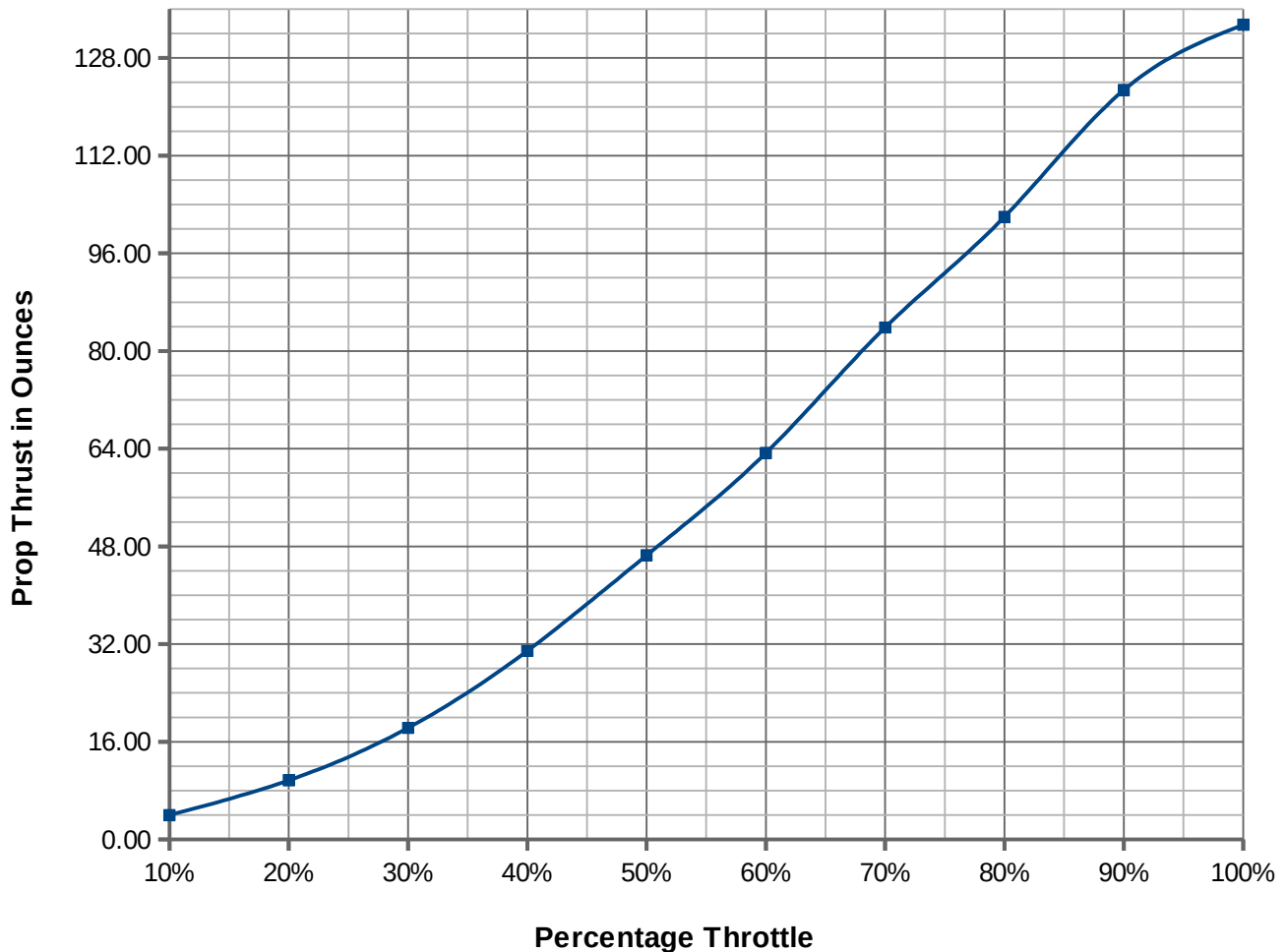
## Propeller RPM vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.49	8.97	1,160	113.3	3.99	12.63
20%	1.22	22.57	1,802	274.8	9.68	12.18
30%	2.53	46.81	2,404	518.4	18.27	11.08
40%	5.10	94.26	3,084	876.5	30.89	9.30
50%	8.88	164.30	3,700	1320.6	46.54	8.04
60%	13.83	255.93	4,255	1795.8	63.29	7.02
70%	20.71	383.17	4,796	2379.7	83.87	6.21
80%	28.96	535.74	5,289	2893.7	101.98	5.40
90%	39.28	726.68	5,750	3483.3	122.76	4.79
100%	44.42	821.70	5,943	3786.5	133.44	4.61

### Propeller Thrust vs Throttle Position



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

Data Collected at 18.5 volts with RC-Timer 16x5.5 CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.49	8.97	1,160	113.3	3.99	12.63
20%	1.22	22.57	1,802	274.8	9.68	12.18
30%	2.53	46.81	2,404	518.4	18.27	11.08
40%	5.10	94.26	3,084	876.5	30.89	9.30
50%	8.88	164.30	3,700	1320.6	46.54	8.04
60%	13.83	255.93	4,255	1795.8	63.29	7.02
70%	20.71	383.17	4,796	2379.7	83.87	6.21
80%	28.96	535.74	5,289	2893.7	101.98	5.40
90%	39.28	726.68	5,750	3483.3	122.76	4.79
100%	44.42	821.70	5,943	3786.5	133.44	4.61

## Propeller Efficiency vs Throttle Position

