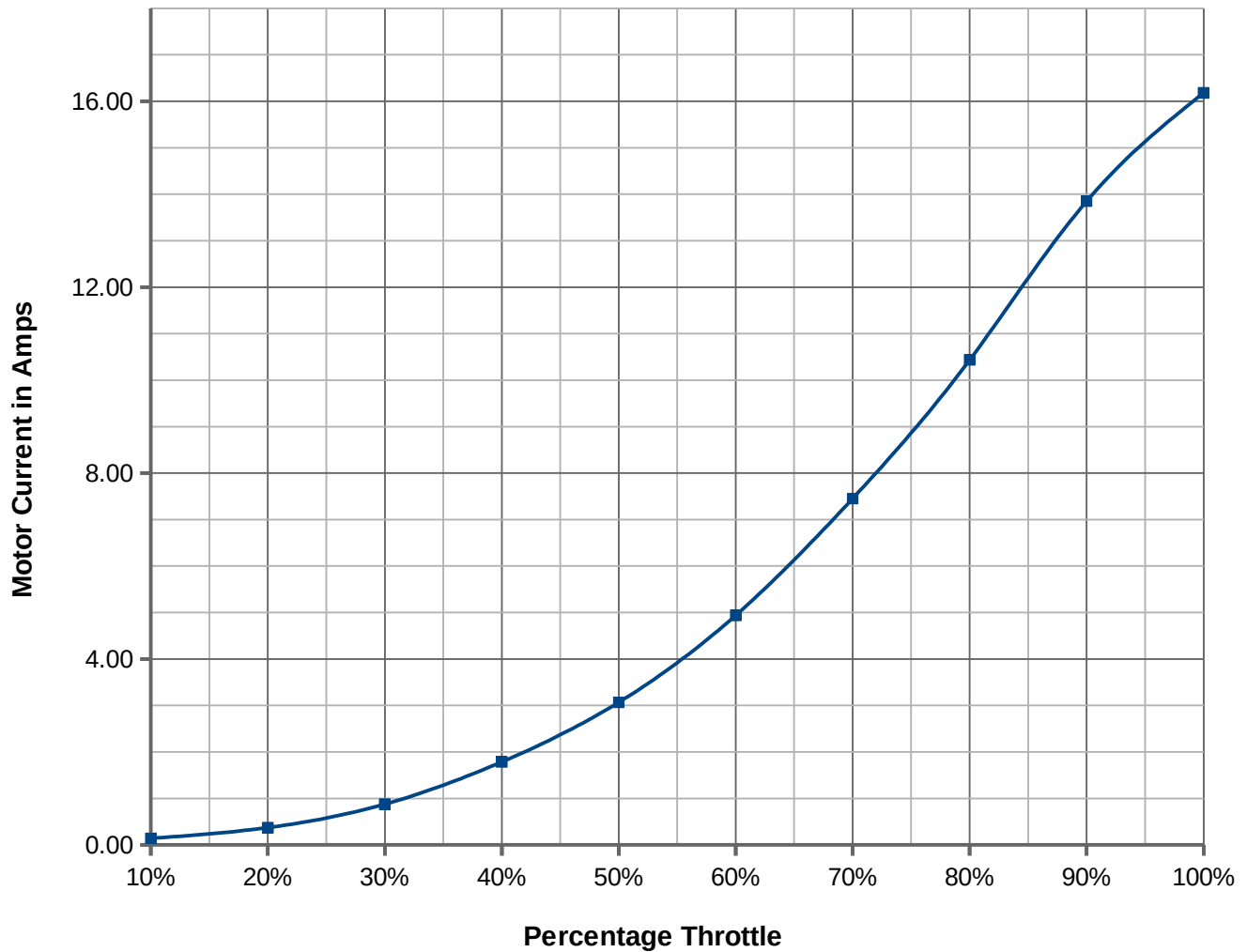


## Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	2.06	851	29.4	1.04	14.29
20%	0.37	5.49	1,492	91.8	3.24	16.72
30%	0.88	12.98	2,162	195.8	6.90	15.09
40%	1.79	26.42	2,809	347.0	12.23	13.13
50%	3.07	45.39	3,406	518.4	18.27	11.42
60%	4.94	73.08	4,003	740.5	26.10	10.13
70%	7.45	110.27	4,562	981.6	34.59	8.90
80%	10.44	154.44	5,055	1219.6	42.98	7.90
90%	13.85	204.99	5,484	1445.4	50.94	7.05
100%	16.18	239.46	5,725	1584.8	55.85	6.62

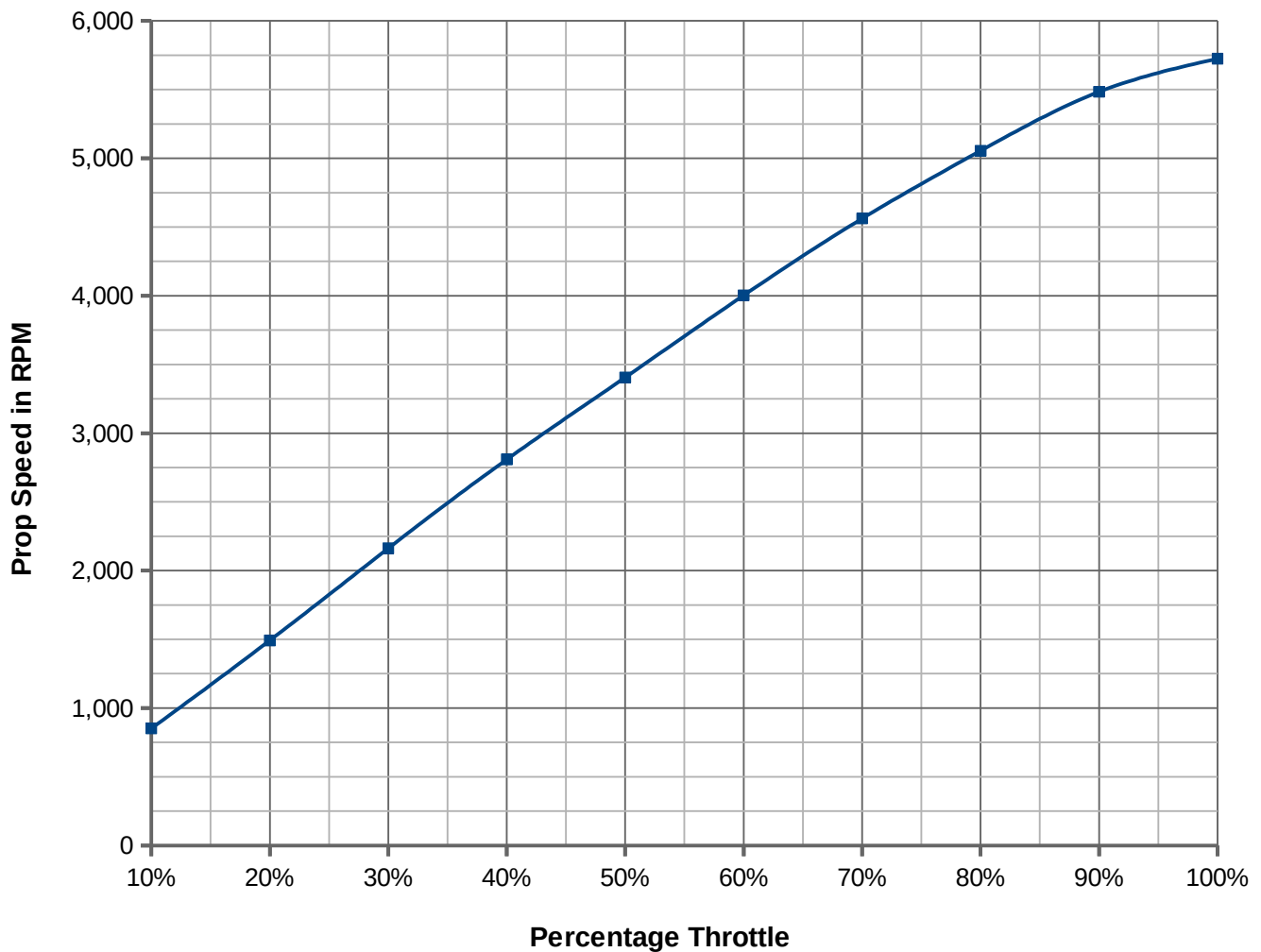
### Motor Current vs Throttle Position



# Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	2.06	851	29.4	1.04	14.29
20%	0.37	5.49	1,492	91.8	3.24	16.72
30%	0.88	12.98	2,162	195.8	6.90	15.09
40%	1.79	26.42	2,809	347.0	12.23	13.13
50%	3.07	45.39	3,406	518.4	18.27	11.42
60%	4.94	73.08	4,003	740.5	26.10	10.13
70%	7.45	110.27	4,562	981.6	34.59	8.90
80%	10.44	154.44	5,055	1219.6	42.98	7.90
90%	13.85	204.99	5,484	1445.4	50.94	7.05
100%	16.18	239.46	5,725	1584.8	55.85	6.62

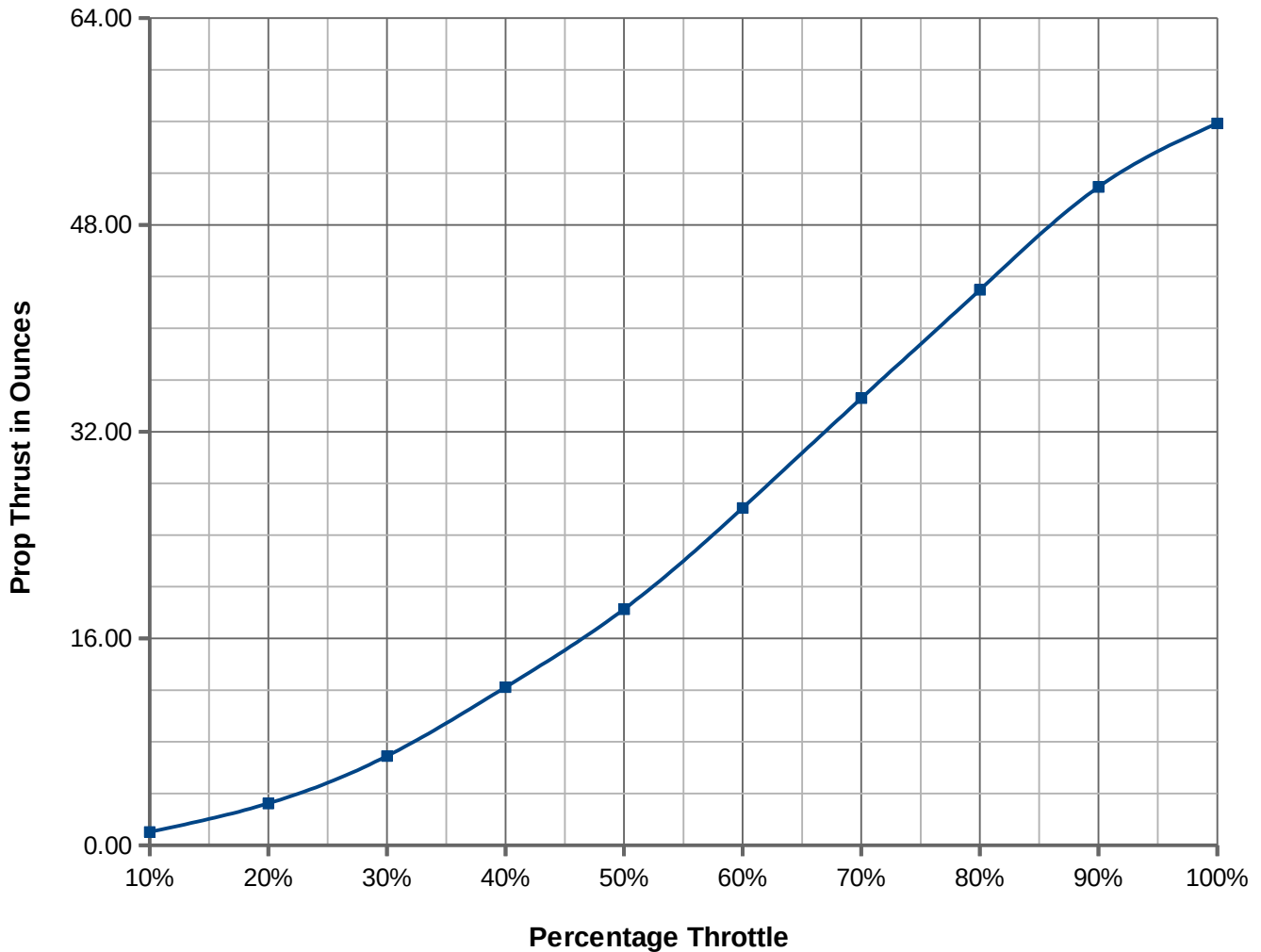
## Propeller RPM vs Throttle Position



# Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	2.06	851	29.4	1.04	14.29
20%	0.37	5.49	1,492	91.8	3.24	16.72
30%	0.88	12.98	2,162	195.8	6.90	15.09
40%	1.79	26.42	2,809	347.0	12.23	13.13
50%	3.07	45.39	3,406	518.4	18.27	11.42
60%	4.94	73.08	4,003	740.5	26.10	10.13
70%	7.45	110.27	4,562	981.6	34.59	8.90
80%	10.44	154.44	5,055	1219.6	42.98	7.90
90%	13.85	204.99	5,484	1445.4	50.94	7.05
100%	16.18	239.46	5,725	1584.8	55.85	6.62

## Propeller Thrust vs Throttle Position



## Cobra CM-4006/36 Motor Test Data, Kv=500

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.14	2.06	851	29.4	1.04	14.29
20%	0.37	5.49	1,492	91.8	3.24	16.72
30%	0.88	12.98	2,162	195.8	6.90	15.09
40%	1.79	26.42	2,809	347.0	12.23	13.13
50%	3.07	45.39	3,406	518.4	18.27	11.42
60%	4.94	73.08	4,003	740.5	26.10	10.13
70%	7.45	110.27	4,562	981.6	34.59	8.90
80%	10.44	154.44	5,055	1219.6	42.98	7.90
90%	13.85	204.99	5,484	1445.4	50.94	7.05
100%	16.18	239.46	5,725	1584.8	55.85	6.62

### Propeller Efficiency vs Throttle Position

