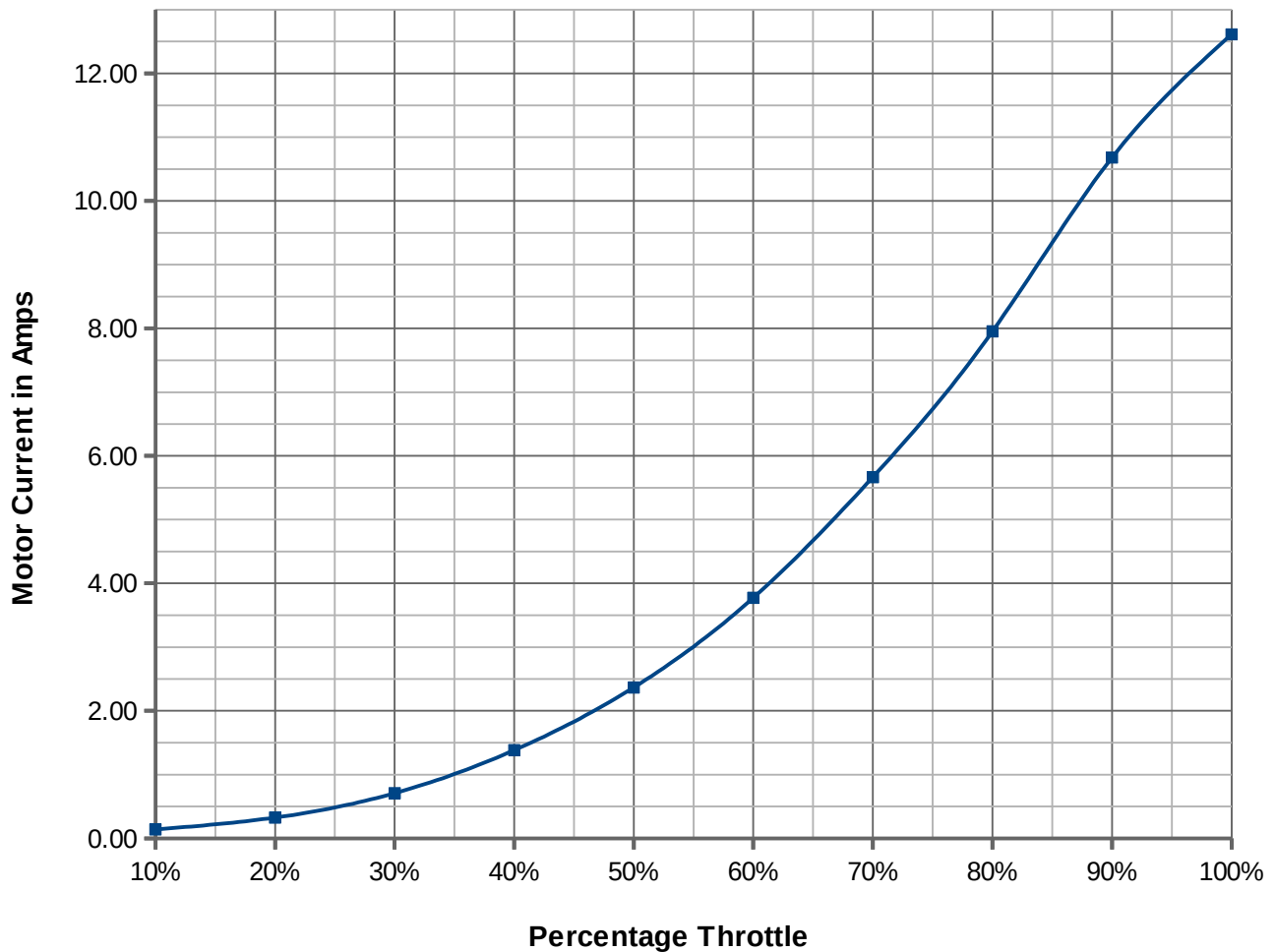


# Cobra CM-4008-36 Motor Test Data, Kv=400

Data Collected at 18.5 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	2.61	905	34.5	1.22	13.23
20%	0.33	6.03	1,490	95.7	3.37	15.87
30%	0.71	13.12	2,123	196.1	6.91	14.95
40%	1.38	25.59	2,775	344.3	12.13	13.46
50%	2.37	43.79	3,353	517.7	18.24	11.82
60%	3.77	69.82	3,936	735.3	25.91	10.53
70%	5.67	104.84	4,515	982.2	34.61	9.37
80%	7.95	147.13	5,049	1220.4	43.01	8.29
90%	10.68	197.58	5,532	1482.6	52.25	7.50
100%	12.61	233.36	5,807	1656.2	58.37	7.10

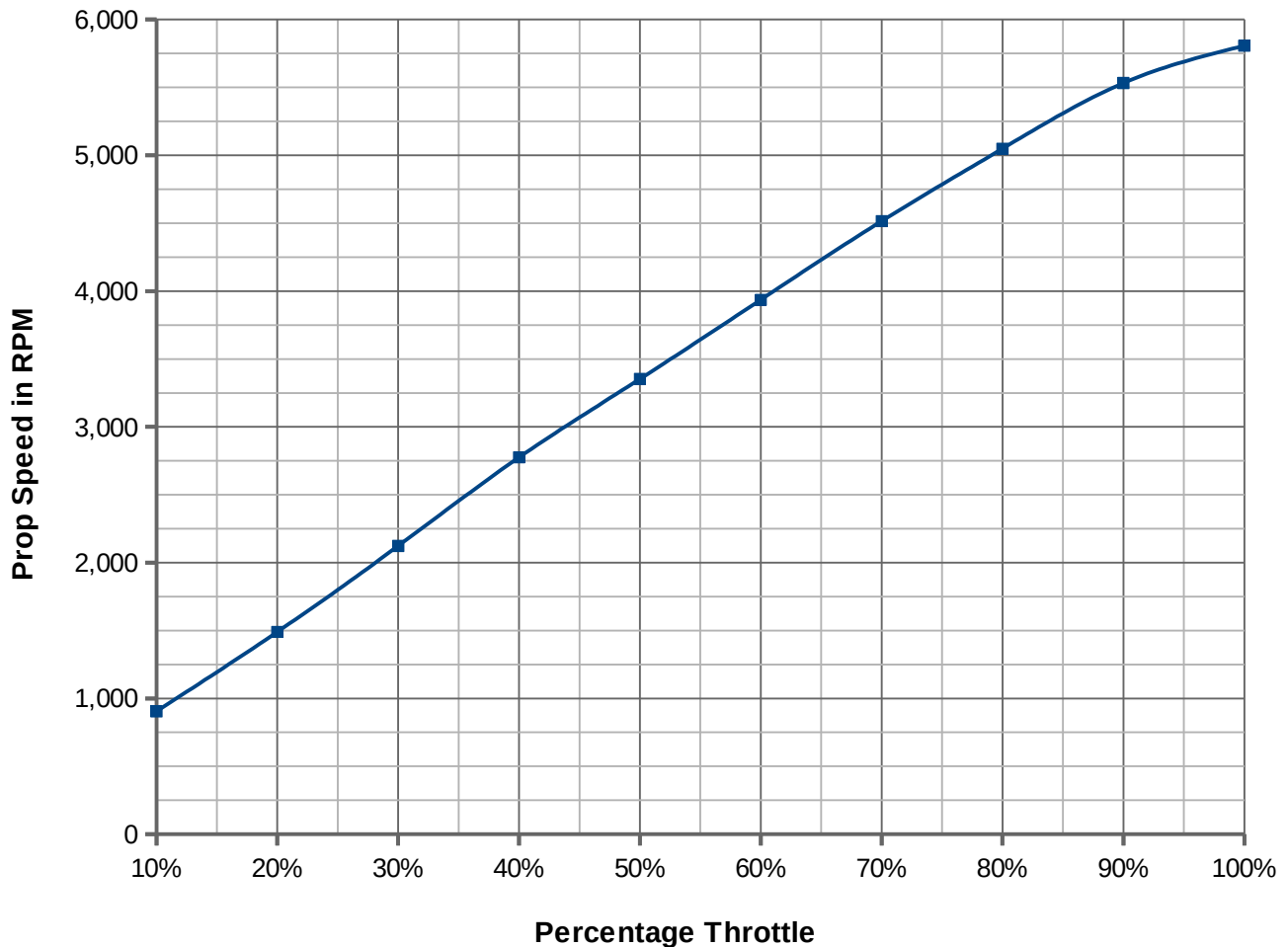
## Motor Current vs Throttle Position



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

Data Collected at 18.5 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	2.61	905	34.5	1.22	13.23
20%	0.33	6.03	1,490	95.7	3.37	15.87
30%	0.71	13.12	2,123	196.1	6.91	14.95
40%	1.38	25.59	2,775	344.3	12.13	13.46
50%	2.37	43.79	3,353	517.7	18.24	11.82
60%	3.77	69.82	3,936	735.3	25.91	10.53
70%	5.67	104.84	4,515	982.2	34.61	9.37
80%	7.95	147.13	5,049	1220.4	43.01	8.29
90%	10.68	197.58	5,532	1482.6	52.25	7.50
100%	12.61	233.36	5,807	1656.2	58.37	7.10

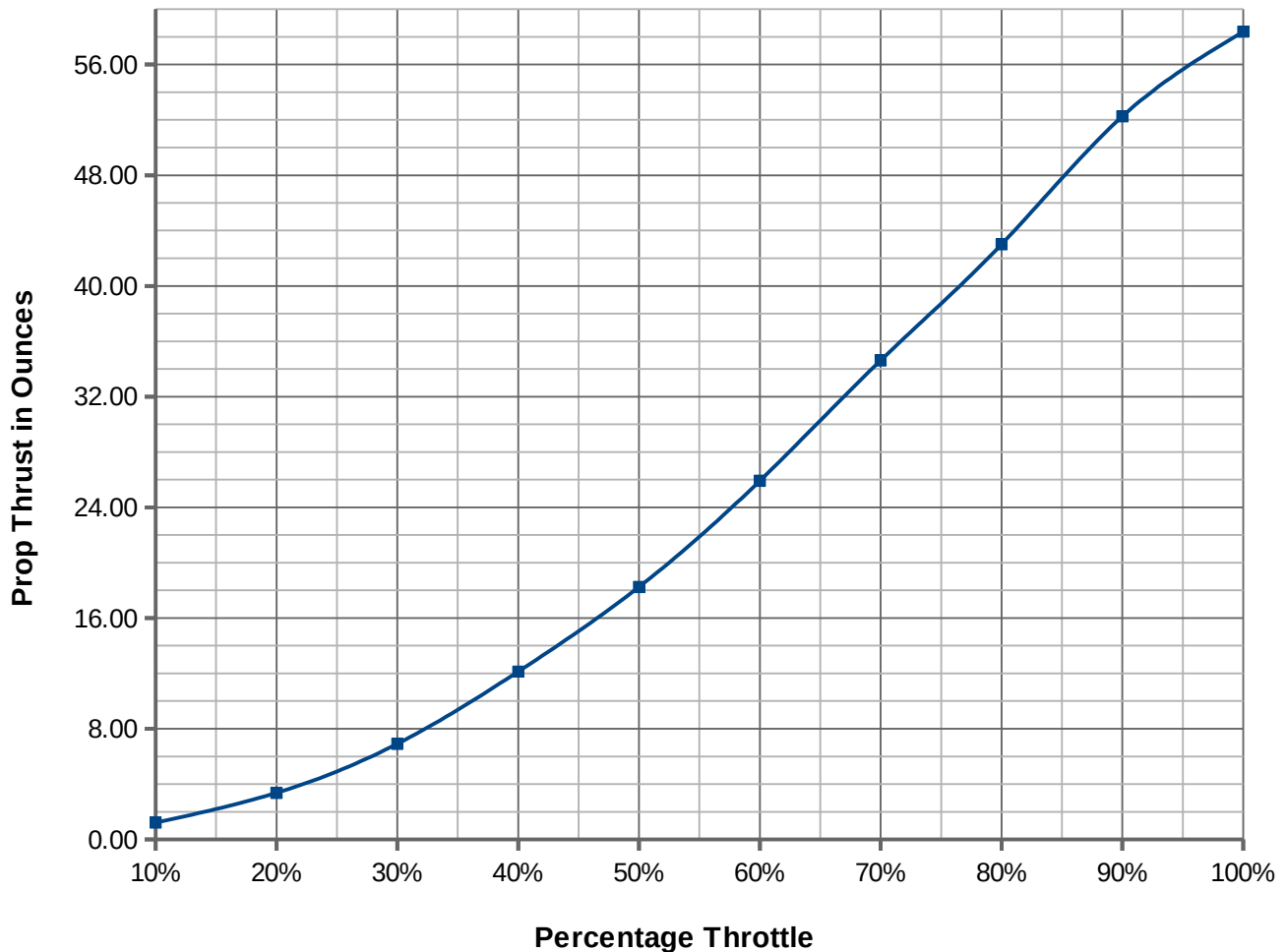
### Propeller RPM vs Throttle Position



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

Data Collected at 18.5 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	2.61	905	34.5	1.22	13.23
20%	0.33	6.03	1,490	95.7	3.37	15.87
30%	0.71	13.12	2,123	196.1	6.91	14.95
40%	1.38	25.59	2,775	344.3	12.13	13.46
50%	2.37	43.79	3,353	517.7	18.24	11.82
60%	3.77	69.82	3,936	735.3	25.91	10.53
70%	5.67	104.84	4,515	982.2	34.61	9.37
80%	7.95	147.13	5,049	1220.4	43.01	8.29
90%	10.68	197.58	5,532	1482.6	52.25	7.50
100%	12.61	233.36	5,807	1656.2	58.37	7.10

### Propeller Thrust vs Throttle Position



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

Data Collected at 18.5 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	2.61	905	34.5	1.22	13.23
20%	0.33	6.03	1,490	95.7	3.37	15.87
30%	0.71	13.12	2,123	196.1	6.91	14.95
40%	1.38	25.59	2,775	344.3	12.13	13.46
50%	2.37	43.79	3,353	517.7	18.24	11.82
60%	3.77	69.82	3,936	735.3	25.91	10.53
70%	5.67	104.84	4,515	982.2	34.61	9.37
80%	7.95	147.13	5,049	1220.4	43.01	8.29
90%	10.68	197.58	5,532	1482.6	52.25	7.50
100%	12.61	233.36	5,807	1656.2	58.37	7.10

### Propeller Efficiency vs Throttle Position

