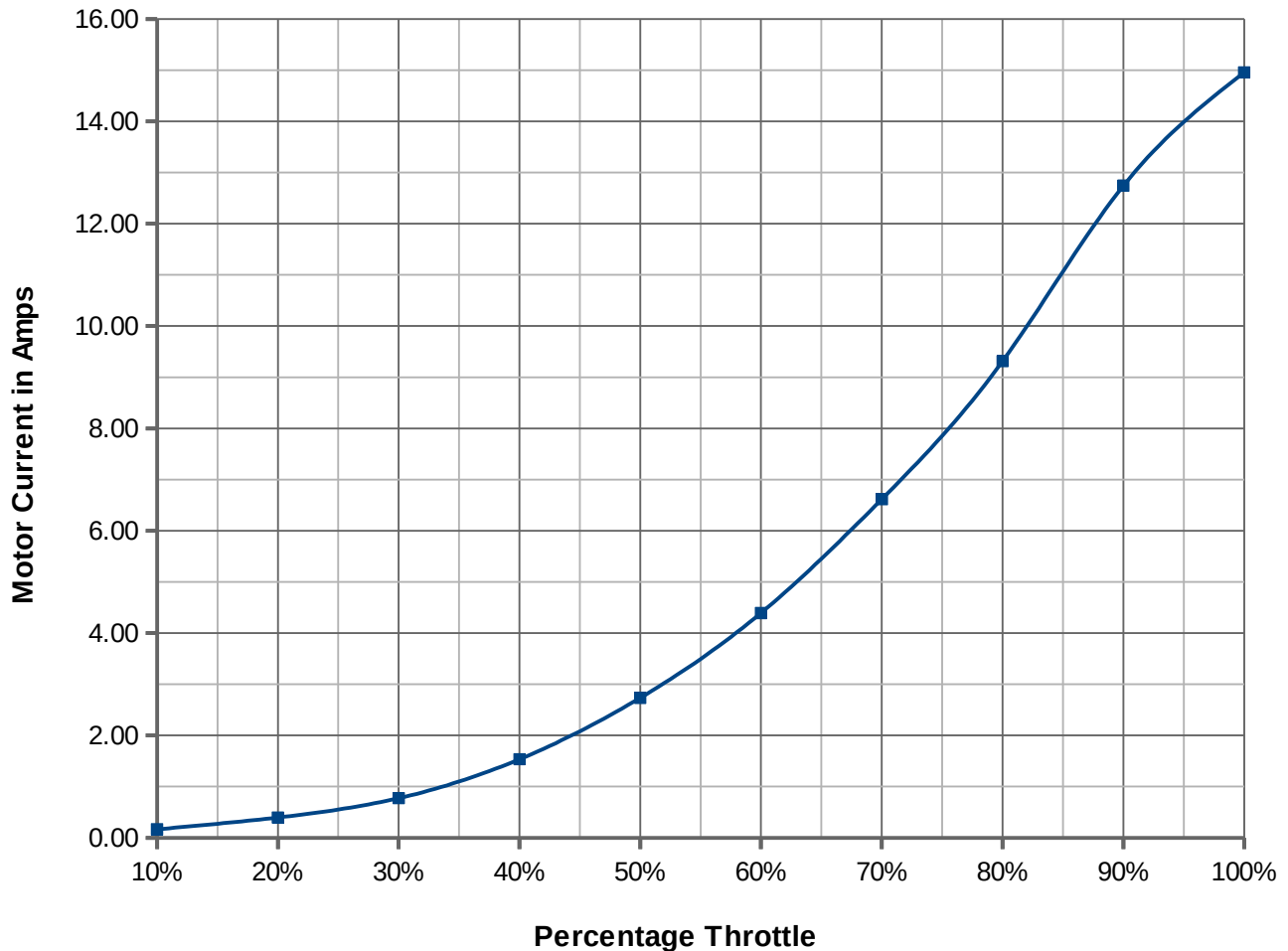


# Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 18.5 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.05	1,211	52.9	1.86	17.33
20%	0.40	7.33	1,841	120.4	4.24	16.43
30%	0.77	14.32	2,390	200.7	7.07	14.02
40%	1.53	28.38	3,073	339.5	11.96	11.96
50%	2.73	50.58	3,697	517.9	18.25	10.24
60%	4.39	81.25	4,317	718.4	25.32	8.84
70%	6.62	122.38	4,865	943.0	33.23	7.71
80%	9.31	172.29	5,418	1168.7	41.19	6.78
90%	12.74	235.76	5,885	1420.7	50.07	6.03
100%	14.96	276.70	6,144	1567.4	55.24	5.66

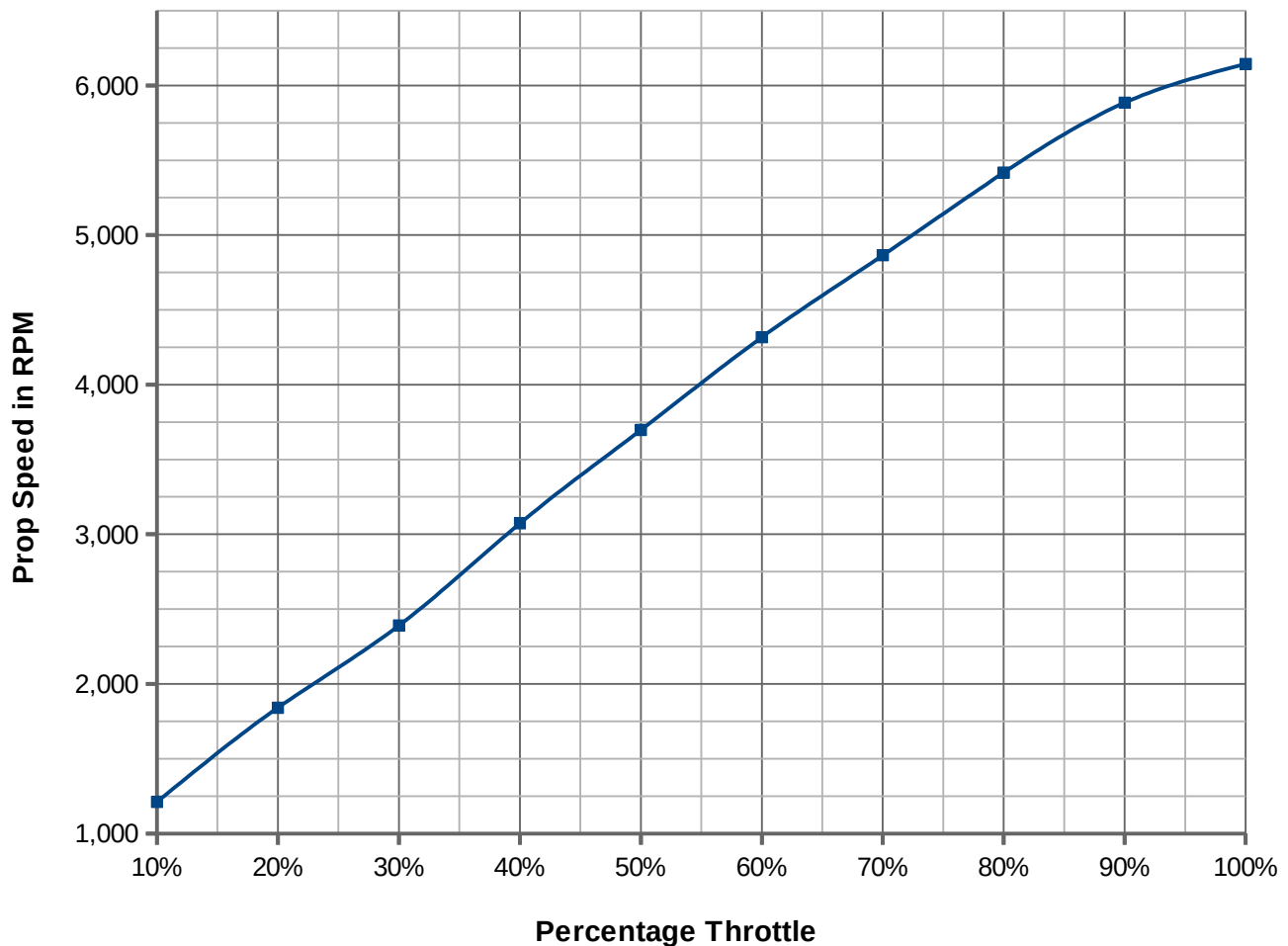
## Motor Current vs Throttle Position



## Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 18.5 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.05	1,211	52.9	1.86	17.33
20%	0.40	7.33	1,841	120.4	4.24	16.43
30%	0.77	14.32	2,390	200.7	7.07	14.02
40%	1.53	28.38	3,073	339.5	11.96	11.96
50%	2.73	50.58	3,697	517.9	18.25	10.24
60%	4.39	81.25	4,317	718.4	25.32	8.84
70%	6.62	122.38	4,865	943.0	33.23	7.71
80%	9.31	172.29	5,418	1168.7	41.19	6.78
90%	12.74	235.76	5,885	1420.7	50.07	6.03
100%	14.96	276.70	6,144	1567.4	55.24	5.66

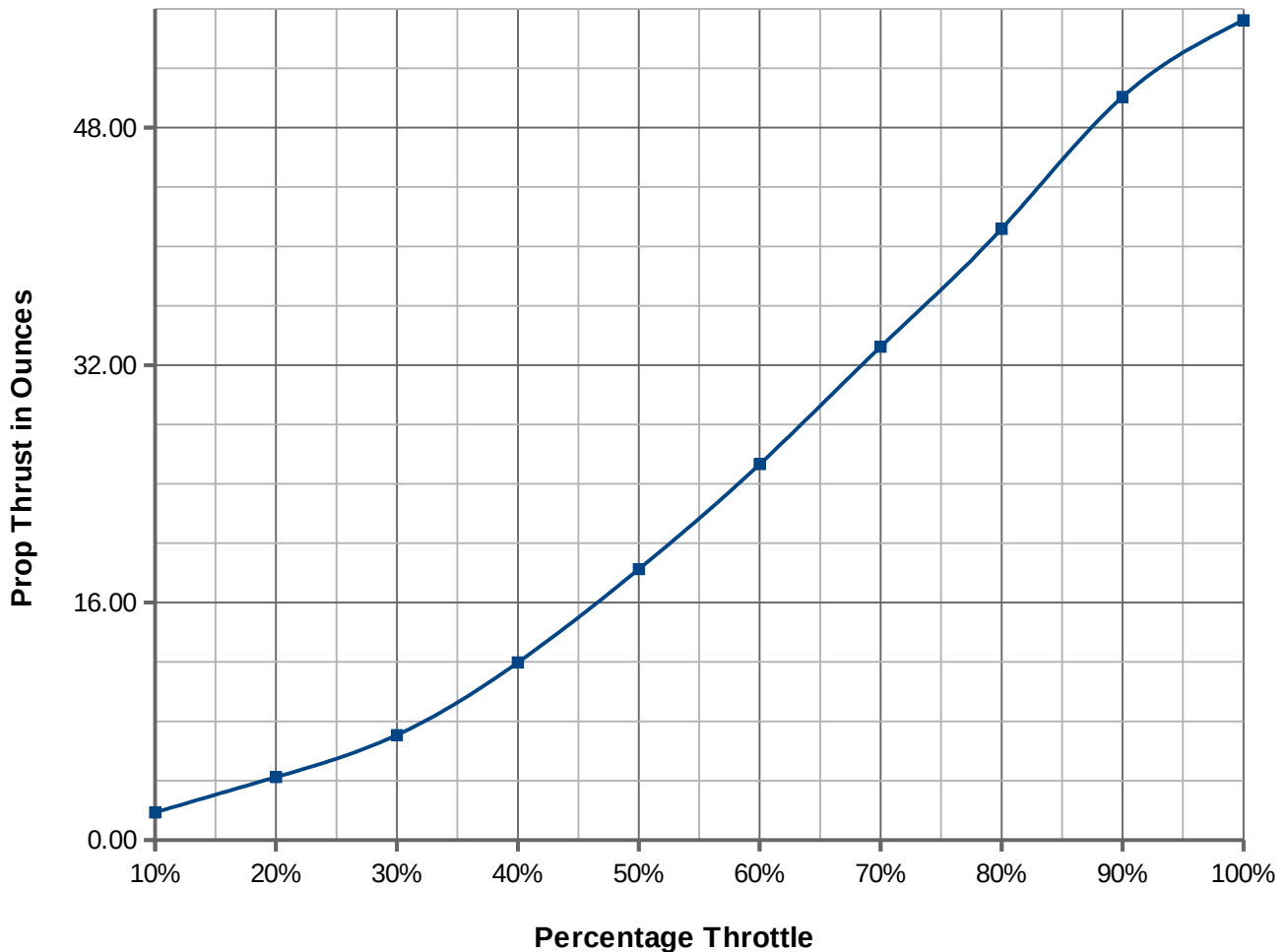
### Propeller RPM vs Throttle Position



# Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 18.5 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.05	1,211	52.9	1.86	17.33
20%	0.40	7.33	1,841	120.4	4.24	16.43
30%	0.77	14.32	2,390	200.7	7.07	14.02
40%	1.53	28.38	3,073	339.5	11.96	11.96
50%	2.73	50.58	3,697	517.9	18.25	10.24
60%	4.39	81.25	4,317	718.4	25.32	8.84
70%	6.62	122.38	4,865	943.0	33.23	7.71
80%	9.31	172.29	5,418	1168.7	41.19	6.78
90%	12.74	235.76	5,885	1420.7	50.07	6.03
100%	14.96	276.70	6,144	1567.4	55.24	5.66

## Propeller Thrust vs Throttle Position



## Cobra CM-2814/36 Motor Test Data, Kv=470

Data Collected at 18.5 volts with RC-Timer 13x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	3.05	1,211	52.9	1.86	17.33
20%	0.40	7.33	1,841	120.4	4.24	16.43
30%	0.77	14.32	2,390	200.7	7.07	14.02
40%	1.53	28.38	3,073	339.5	11.96	11.96
50%	2.73	50.58	3,697	517.9	18.25	10.24
60%	4.39	81.25	4,317	718.4	25.32	8.84
70%	6.62	122.38	4,865	943.0	33.23	7.71
80%	9.31	172.29	5,418	1168.7	41.19	6.78
90%	12.74	235.76	5,885	1420.7	50.07	6.03
100%	14.96	276.70	6,144	1567.4	55.24	5.66

### Propeller Efficiency vs Throttle Position

