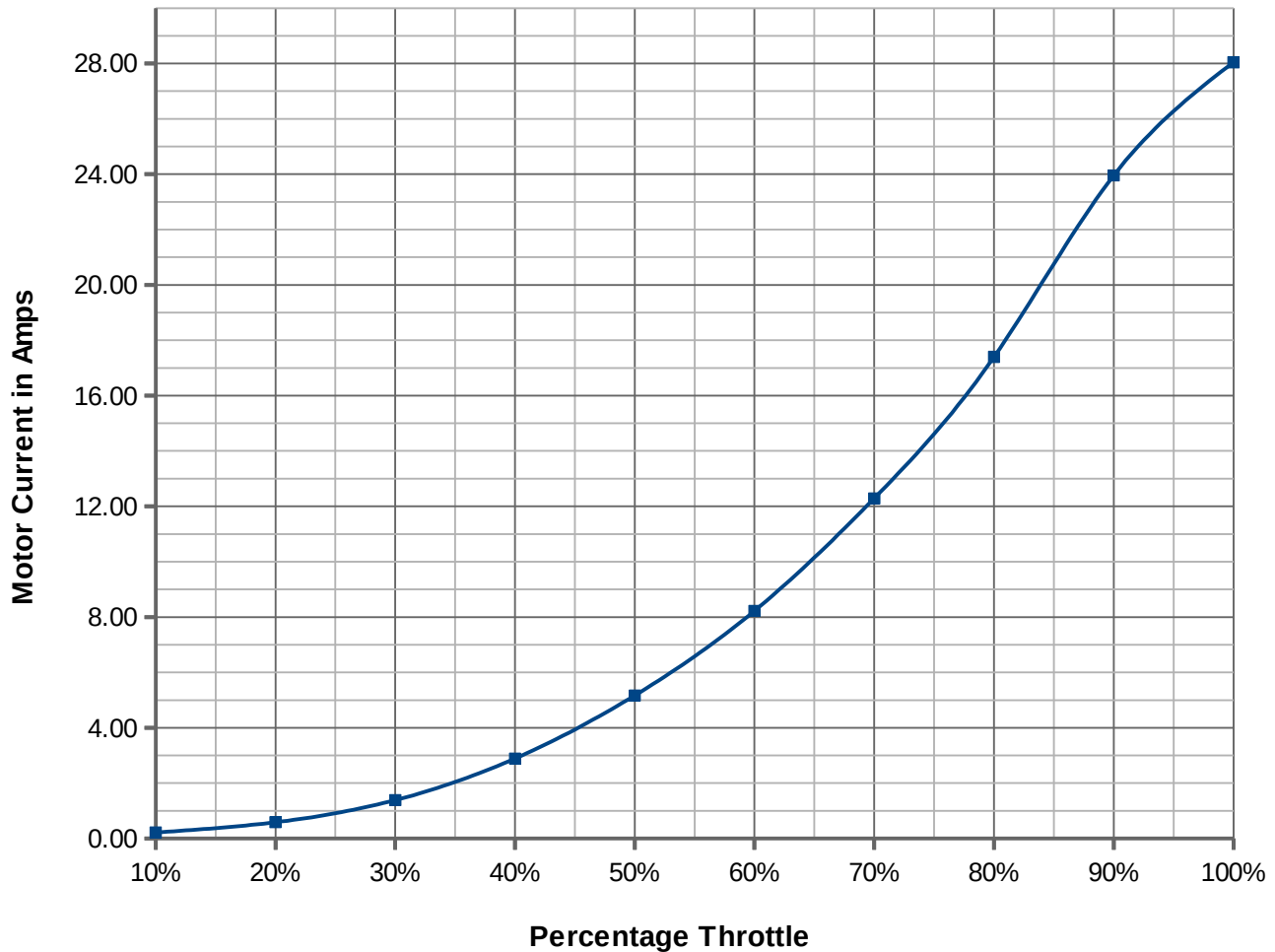


## Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 18.5 volts with RC-Timer 14x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	4.05	1,050	57.0	2.01	14.07
20%	0.59	10.86	1,758	148.5	5.23	13.67
30%	1.39	25.66	2,497	310.6	10.95	12.10
40%	2.89	53.45	3,231	545.8	19.24	10.21
50%	5.17	95.61	3,913	830.0	29.25	8.68
60%	8.22	152.13	4,553	1132.5	39.91	7.44
70%	12.29	227.31	5,132	1479.1	52.13	6.51
80%	17.40	321.86	5,690	1833.3	64.61	5.70
90%	23.96	443.20	6,207	2246.1	79.16	5.07
100%	28.05	518.83	6,490	2467.2	86.95	4.76

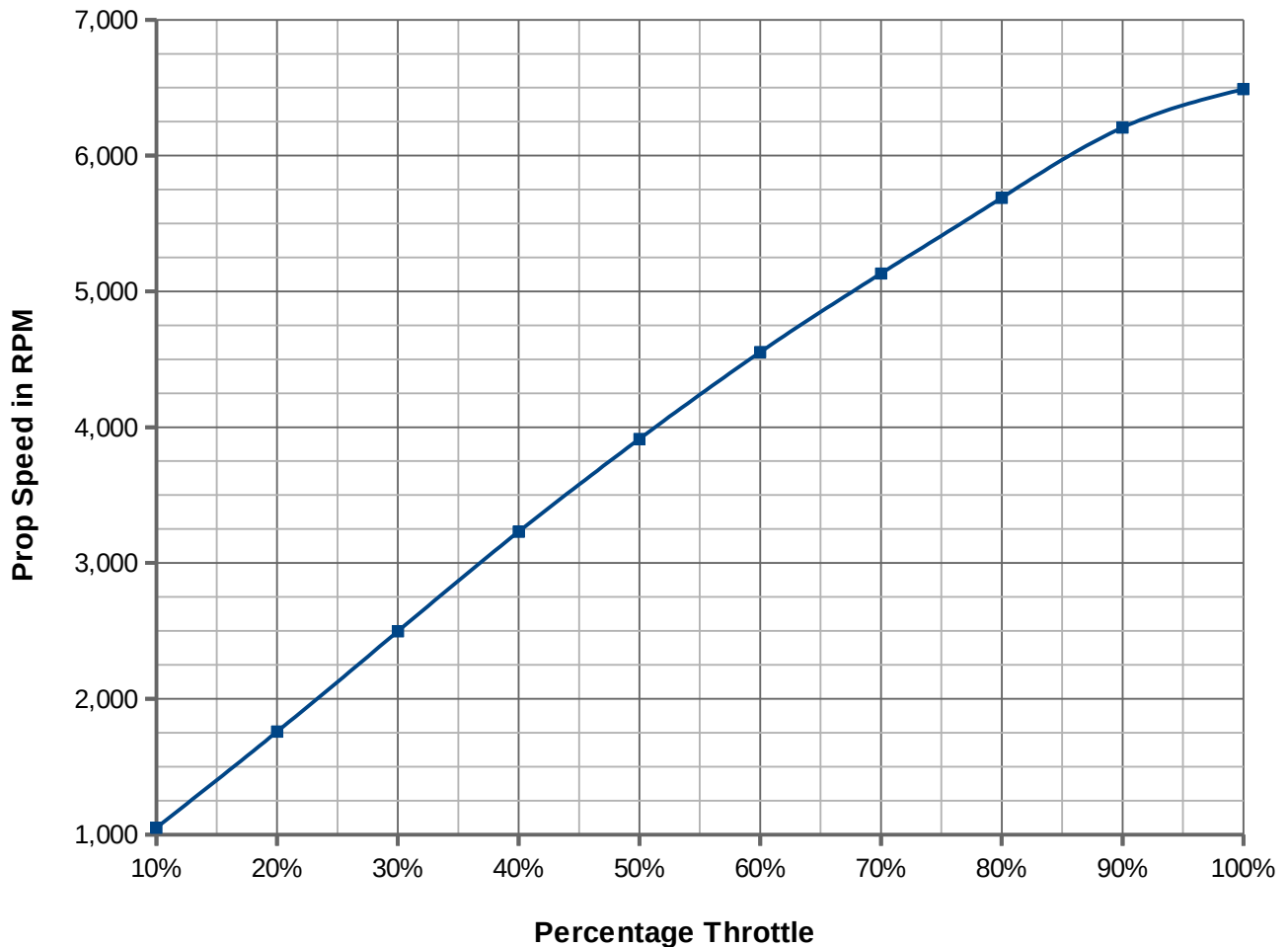
### Motor Current vs Throttle Position



# Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 18.5 volts with RC-Timer 14x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	4.05	1,050	57.0	2.01	14.07
20%	0.59	10.86	1,758	148.5	5.23	13.67
30%	1.39	25.66	2,497	310.6	10.95	12.10
40%	2.89	53.45	3,231	545.8	19.24	10.21
50%	5.17	95.61	3,913	830.0	29.25	8.68
60%	8.22	152.13	4,553	1132.5	39.91	7.44
70%	12.29	227.31	5,132	1479.1	52.13	6.51
80%	17.40	321.86	5,690	1833.3	64.61	5.70
90%	23.96	443.20	6,207	2246.1	79.16	5.07
100%	28.05	518.83	6,490	2467.2	86.95	4.76

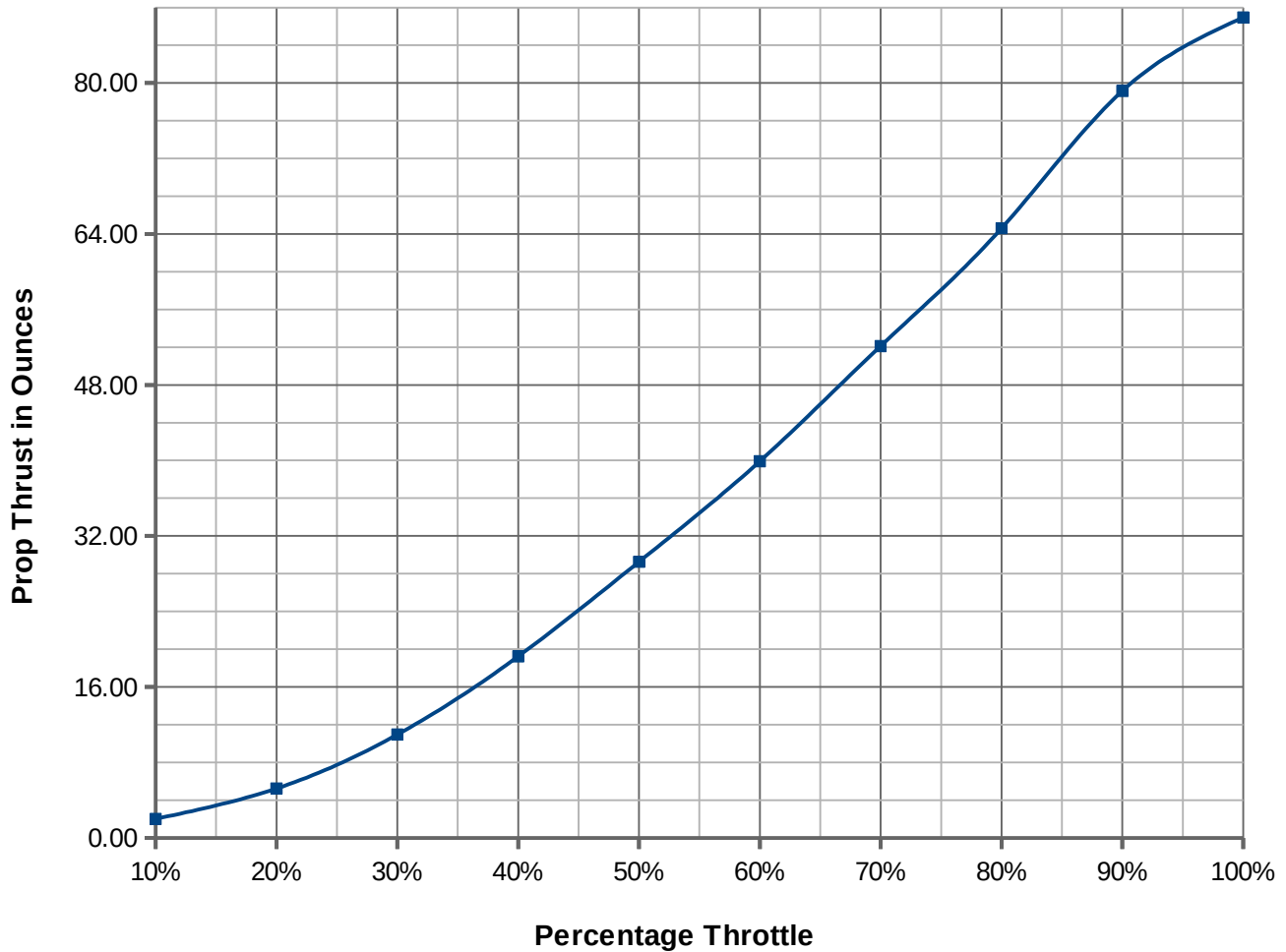
## Propeller RPM vs Throttle Position



# Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 18.5 volts with RC-Timer 14x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	4.05	1,050	57.0	2.01	14.07
20%	0.59	10.86	1,758	148.5	5.23	13.67
30%	1.39	25.66	2,497	310.6	10.95	12.10
40%	2.89	53.45	3,231	545.8	19.24	10.21
50%	5.17	95.61	3,913	830.0	29.25	8.68
60%	8.22	152.13	4,553	1132.5	39.91	7.44
70%	12.29	227.31	5,132	1479.1	52.13	6.51
80%	17.40	321.86	5,690	1833.3	64.61	5.70
90%	23.96	443.20	6,207	2246.1	79.16	5.07
100%	28.05	518.83	6,490	2467.2	86.95	4.76

## Propeller Thrust vs Throttle Position



# Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 18.5 volts with RC-Timer 14x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.22	4.05	1,050	57.0	2.01	14.07
20%	0.59	10.86	1,758	148.5	5.23	13.67
30%	1.39	25.66	2,497	310.6	10.95	12.10
40%	2.89	53.45	3,231	545.8	19.24	10.21
50%	5.17	95.61	3,913	830.0	29.25	8.68
60%	8.22	152.13	4,553	1132.5	39.91	7.44
70%	12.29	227.31	5,132	1479.1	52.13	6.51
80%	17.40	321.86	5,690	1833.3	64.61	5.70
90%	23.96	443.20	6,207	2246.1	79.16	5.07
100%	28.05	518.83	6,490	2467.2	86.95	4.76

## Propeller Efficiency vs Throttle Position

