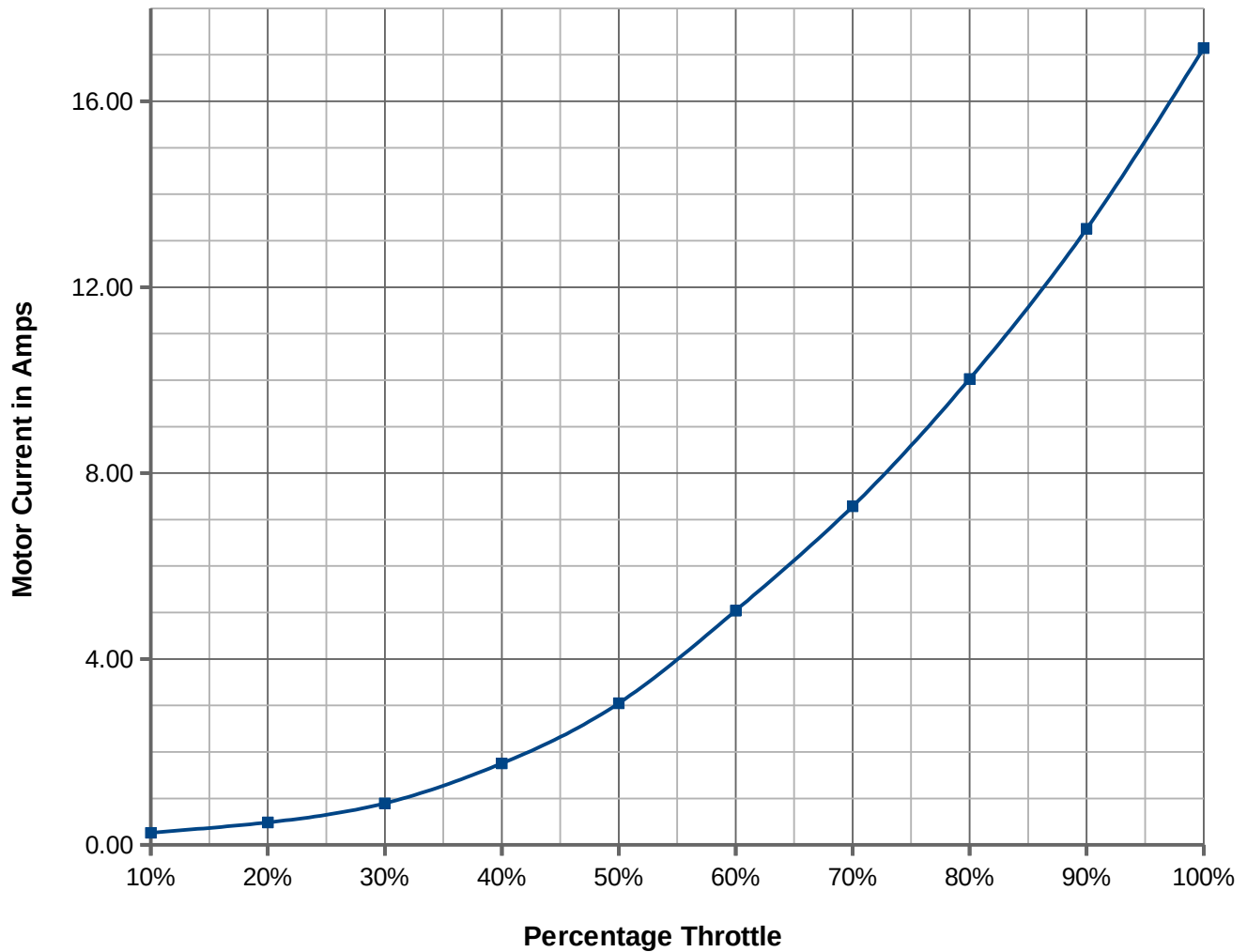


## Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.79	860	45.1	1.59	7.78
20%	0.48	10.74	1,452	134.9	4.76	12.55
30%	0.90	19.89	2,013	271.8	9.59	13.66
40%	1.75	38.89	2,610	480.5	16.95	12.35
50%	3.05	67.64	3,219	746.5	26.33	11.04
60%	5.04	111.91	3,816	1092.9	38.55	9.77
70%	7.28	161.66	4,319	1429.7	50.43	8.84
80%	10.03	222.62	4,795	1774.7	62.60	7.97
90%	13.26	294.33	5,251	2151.7	75.90	7.31
100%	17.14	380.53	5,695	2564.4	90.46	6.74

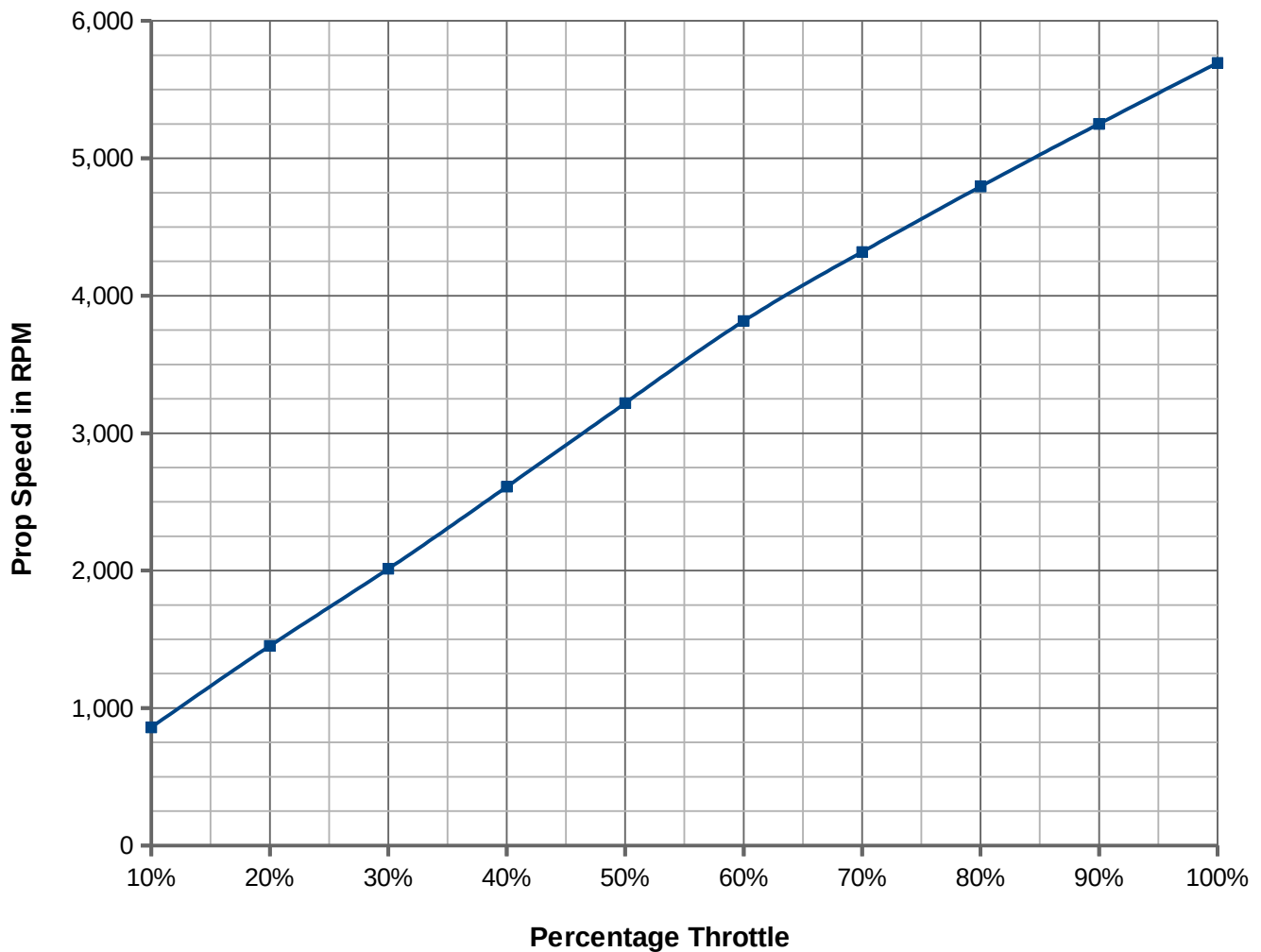
### Motor Current vs Throttle Position



# Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.79	860	45.1	1.59	7.78
20%	0.48	10.74	1,452	134.9	4.76	12.55
30%	0.90	19.89	2,013	271.8	9.59	13.66
40%	1.75	38.89	2,610	480.5	16.95	12.35
50%	3.05	67.64	3,219	746.5	26.33	11.04
60%	5.04	111.91	3,816	1092.9	38.55	9.77
70%	7.28	161.66	4,319	1429.7	50.43	8.84
80%	10.03	222.62	4,795	1774.7	62.60	7.97
90%	13.26	294.33	5,251	2151.7	75.90	7.31
100%	17.14	380.53	5,695	2564.4	90.46	6.74

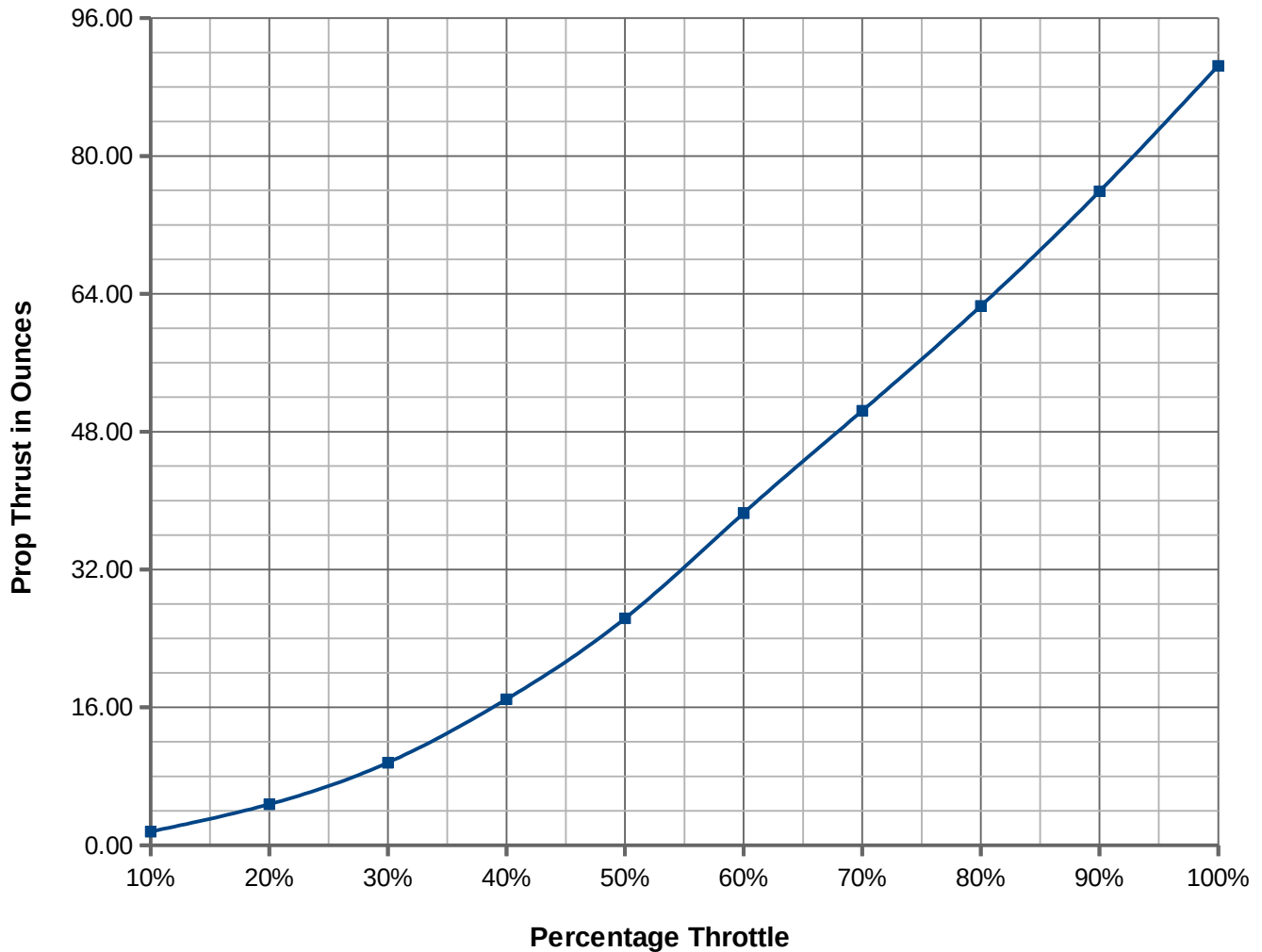
## Propeller RPM vs Throttle Position



# Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.79	860	45.1	1.59	7.78
20%	0.48	10.74	1,452	134.9	4.76	12.55
30%	0.90	19.89	2,013	271.8	9.59	13.66
40%	1.75	38.89	2,610	480.5	16.95	12.35
50%	3.05	67.64	3,219	746.5	26.33	11.04
60%	5.04	111.91	3,816	1092.9	38.55	9.77
70%	7.28	161.66	4,319	1429.7	50.43	8.84
80%	10.03	222.62	4,795	1774.7	62.60	7.97
90%	13.26	294.33	5,251	2151.7	75.90	7.31
100%	17.14	380.53	5,695	2564.4	90.46	6.74

## Propeller Thrust vs Throttle Position



# Cobra CM-4012/30 Motor Test Data, Kv=300

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.79	860	45.1	1.59	7.78
20%	0.48	10.74	1,452	134.9	4.76	12.55
30%	0.90	19.89	2,013	271.8	9.59	13.66
40%	1.75	38.89	2,610	480.5	16.95	12.35
50%	3.05	67.64	3,219	746.5	26.33	11.04
60%	5.04	111.91	3,816	1092.9	38.55	9.77
70%	7.28	161.66	4,319	1429.7	50.43	8.84
80%	10.03	222.62	4,795	1774.7	62.60	7.97
90%	13.26	294.33	5,251	2151.7	75.90	7.31
100%	17.14	380.53	5,695	2564.4	90.46	6.74

## Propeller Efficiency vs Throttle Position

