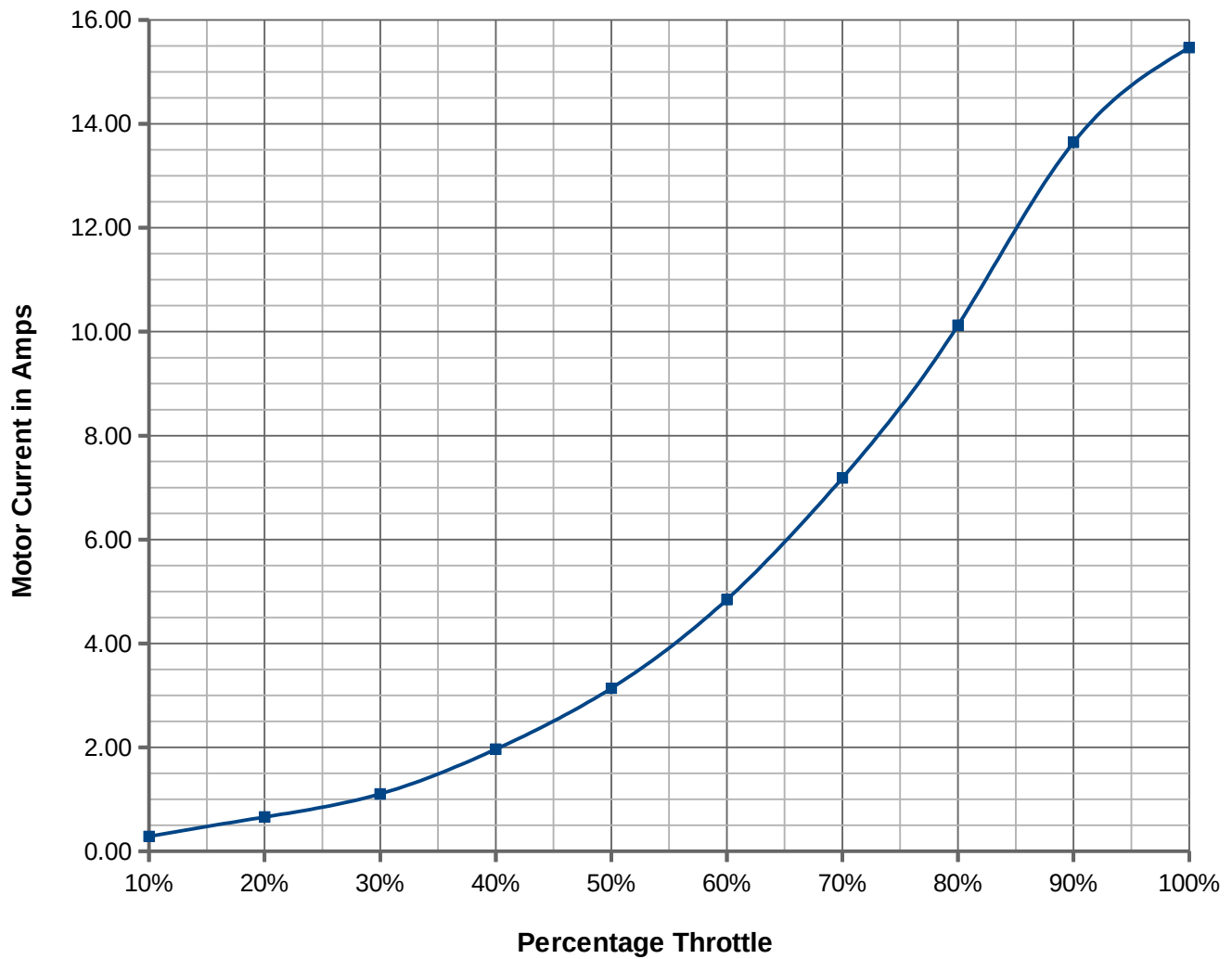


# Cobra CM-2206/30 Motor Test Data, Kv=1400

Data Collected at 14.8 volts with APC 7x4-SF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	4.26	3,396	38.7	1.36	9.08
20%	0.66	9.77	5,072	86.3	3.04	8.83
30%	1.10	16.34	6,267	136.8	4.82	8.37
40%	1.96	29.07	7,711	213.5	7.52	7.35
50%	3.14	46.44	9,015	308.4	10.87	6.64
60%	4.85	71.71	10,358	413.7	14.58	5.77
70%	7.19	106.34	11,688	541.1	19.07	5.09
80%	10.13	149.85	12,852	668.4	23.56	4.46
90%	13.65	201.95	13,858	796.1	28.06	3.94
100%	15.47	228.91	14,275	852.6	30.05	3.72

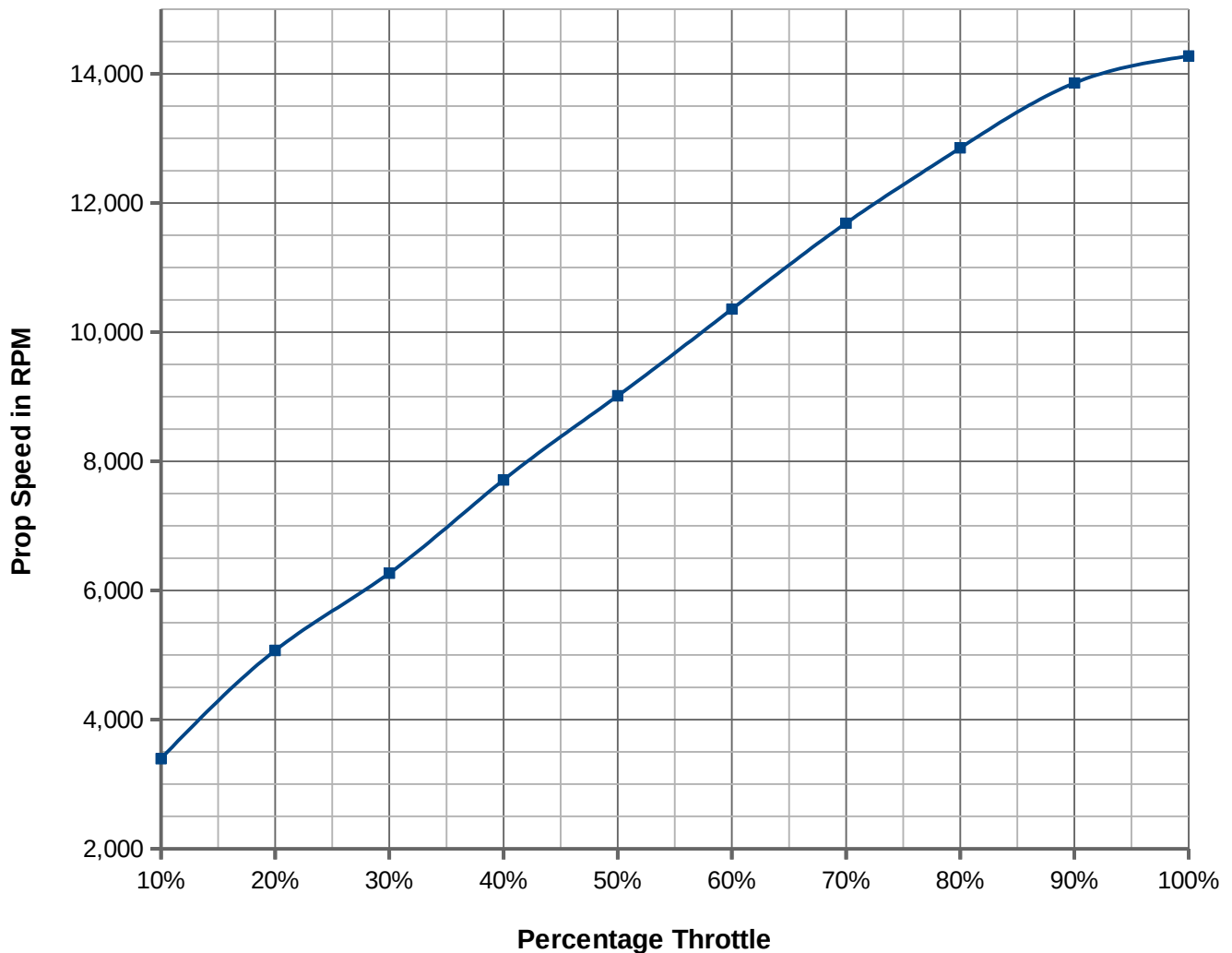
## Motor Current vs Throttle Position



## Cobra CM-2206/30 Motor Test Data, Kv=1400

Data Collected at 14.8 volts with APC 7x4-SF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	4.26	3,396	38.7	1.36	9.08
20%	0.66	9.77	5,072	86.3	3.04	8.83
30%	1.10	16.34	6,267	136.8	4.82	8.37
40%	1.96	29.07	7,711	213.5	7.52	7.35
50%	3.14	46.44	9,015	308.4	10.87	6.64
60%	4.85	71.71	10,358	413.7	14.58	5.77
70%	7.19	106.34	11,688	541.1	19.07	5.09
80%	10.13	149.85	12,852	668.4	23.56	4.46
90%	13.65	201.95	13,858	796.1	28.06	3.94
100%	15.47	228.91	14,275	852.6	30.05	3.72

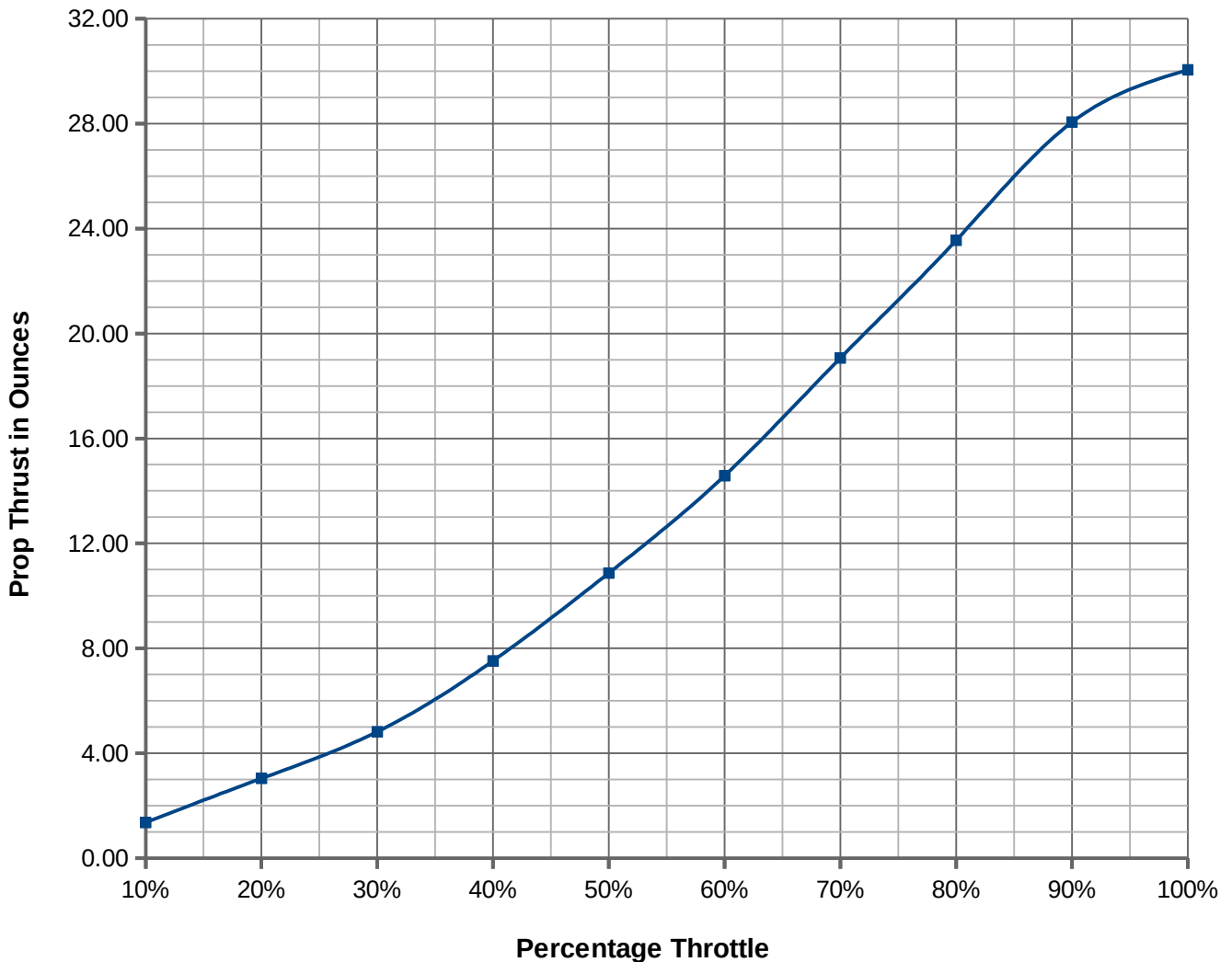
### Propeller RPM vs Throttle Position



# Cobra CM-2206/30 Motor Test Data, Kv=1400

Data Collected at 14.8 volts with APC 7x4-SF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	4.26	3,396	38.7	1.36	9.08
20%	0.66	9.77	5,072	86.3	3.04	8.83
30%	1.10	16.34	6,267	136.8	4.82	8.37
40%	1.96	29.07	7,711	213.5	7.52	7.35
50%	3.14	46.44	9,015	308.4	10.87	6.64
60%	4.85	71.71	10,358	413.7	14.58	5.77
70%	7.19	106.34	11,688	541.1	19.07	5.09
80%	10.13	149.85	12,852	668.4	23.56	4.46
90%	13.65	201.95	13,858	796.1	28.06	3.94
100%	15.47	228.91	14,275	852.6	30.05	3.72

## Propeller Thrust vs Throttle Position



## Cobra CM-2206/30 Motor Test Data, Kv=1400

Data Collected at 14.8 volts with APC 7x4-SF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	4.26	3,396	38.7	1.36	9.08
20%	0.66	9.77	5,072	86.3	3.04	8.83
30%	1.10	16.34	6,267	136.8	4.82	8.37
40%	1.96	29.07	7,711	213.5	7.52	7.35
50%	3.14	46.44	9,015	308.4	10.87	6.64
60%	4.85	71.71	10,358	413.7	14.58	5.77
70%	7.19	106.34	11,688	541.1	19.07	5.09
80%	10.13	149.85	12,852	668.4	23.56	4.46
90%	13.65	201.95	13,858	796.1	28.06	3.94
100%	15.47	228.91	14,275	852.6	30.05	3.72

### Propeller Efficiency vs Throttle Position

