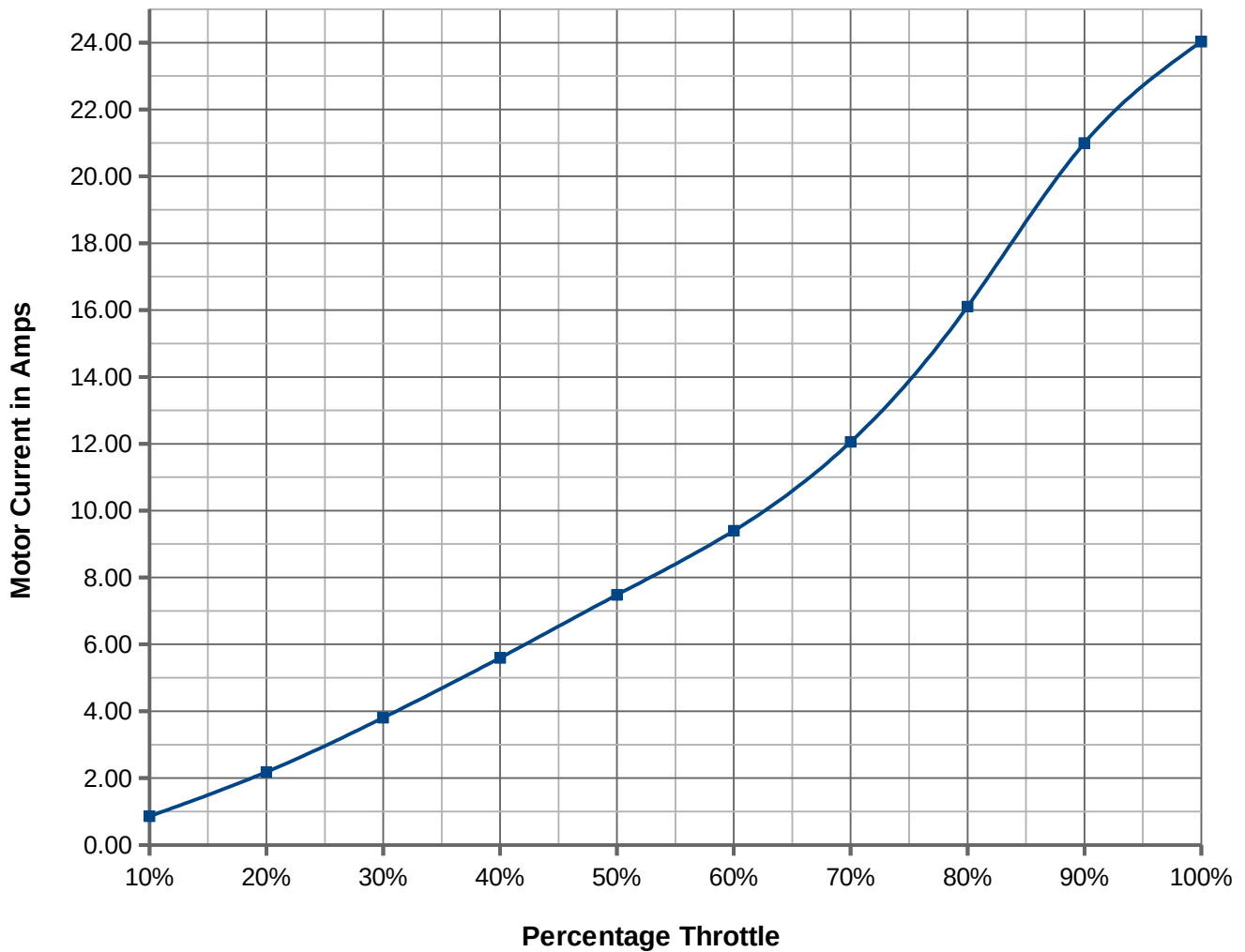


# Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 14.8 volts with HQ 5x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.86	12.68	6,471	75.6	2.66	5.96
20%	2.18	32.29	9,628	165.4	5.83	5.12
30%	3.81	56.33	12,039	260.4	9.18	4.62
40%	5.60	82.84	13,975	349.3	12.31	4.22
50%	7.48	110.70	15,605	436.1	15.37	3.94
60%	9.40	139.11	17,100	523.4	18.45	3.76
70%	12.06	178.44	18,641	625.2	22.03	3.50
80%	16.11	238.37	20,659	763.1	26.89	3.20
90%	21.00	310.74	22,724	939.3	33.10	3.02
100%	24.03	355.64	23,618	1032.8	36.40	2.90

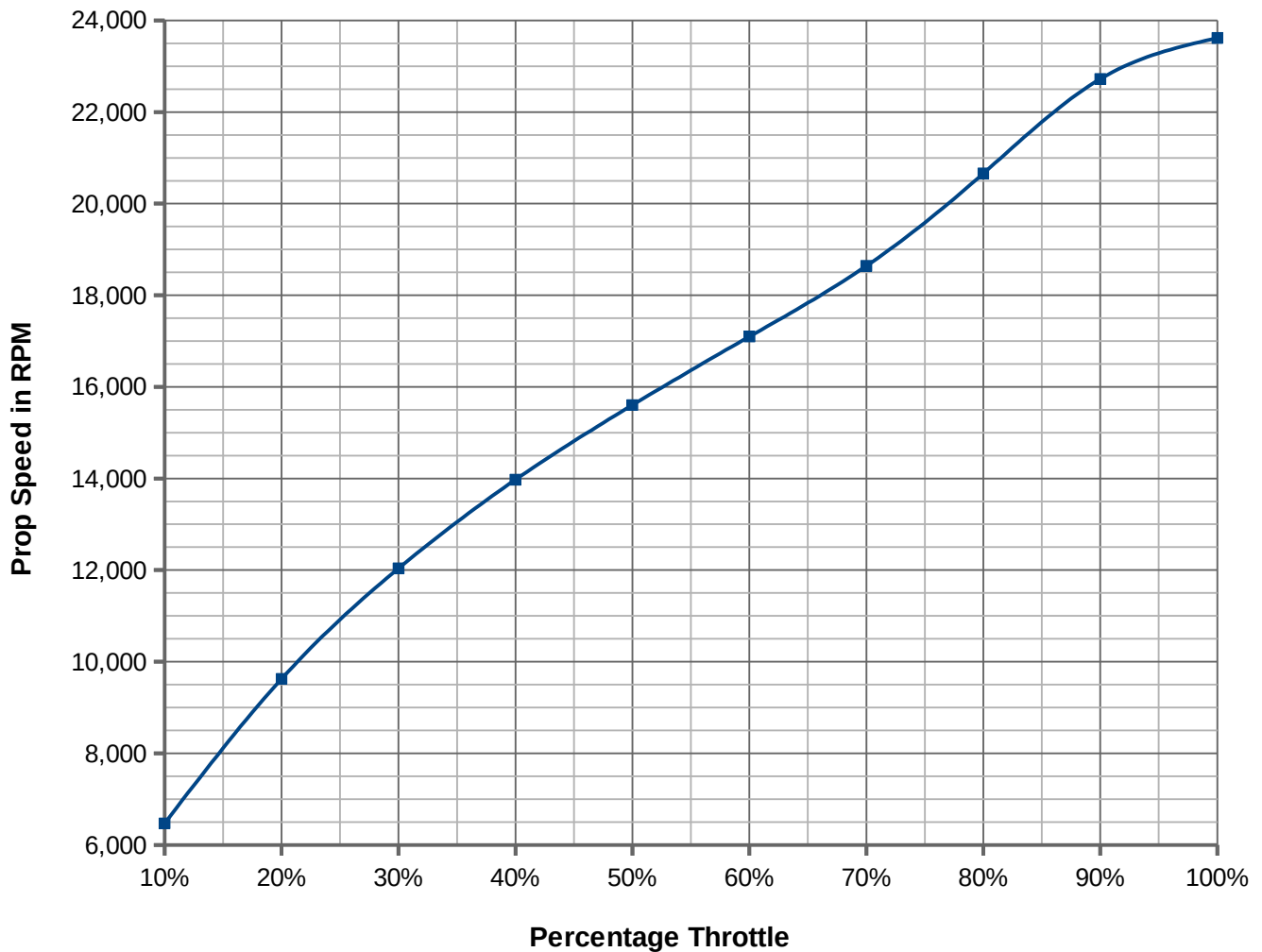
## Motor Current vs Throttle Position



# Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 14.8 volts with HQ 5x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.86	12.68	6,471	75.6	2.66	5.96
20%	2.18	32.29	9,628	165.4	5.83	5.12
30%	3.81	56.33	12,039	260.4	9.18	4.62
40%	5.60	82.84	13,975	349.3	12.31	4.22
50%	7.48	110.70	15,605	436.1	15.37	3.94
60%	9.40	139.11	17,100	523.4	18.45	3.76
70%	12.06	178.44	18,641	625.2	22.03	3.50
80%	16.11	238.37	20,659	763.1	26.89	3.20
90%	21.00	310.74	22,724	939.3	33.10	3.02
100%	24.03	355.64	23,618	1032.8	36.40	2.90

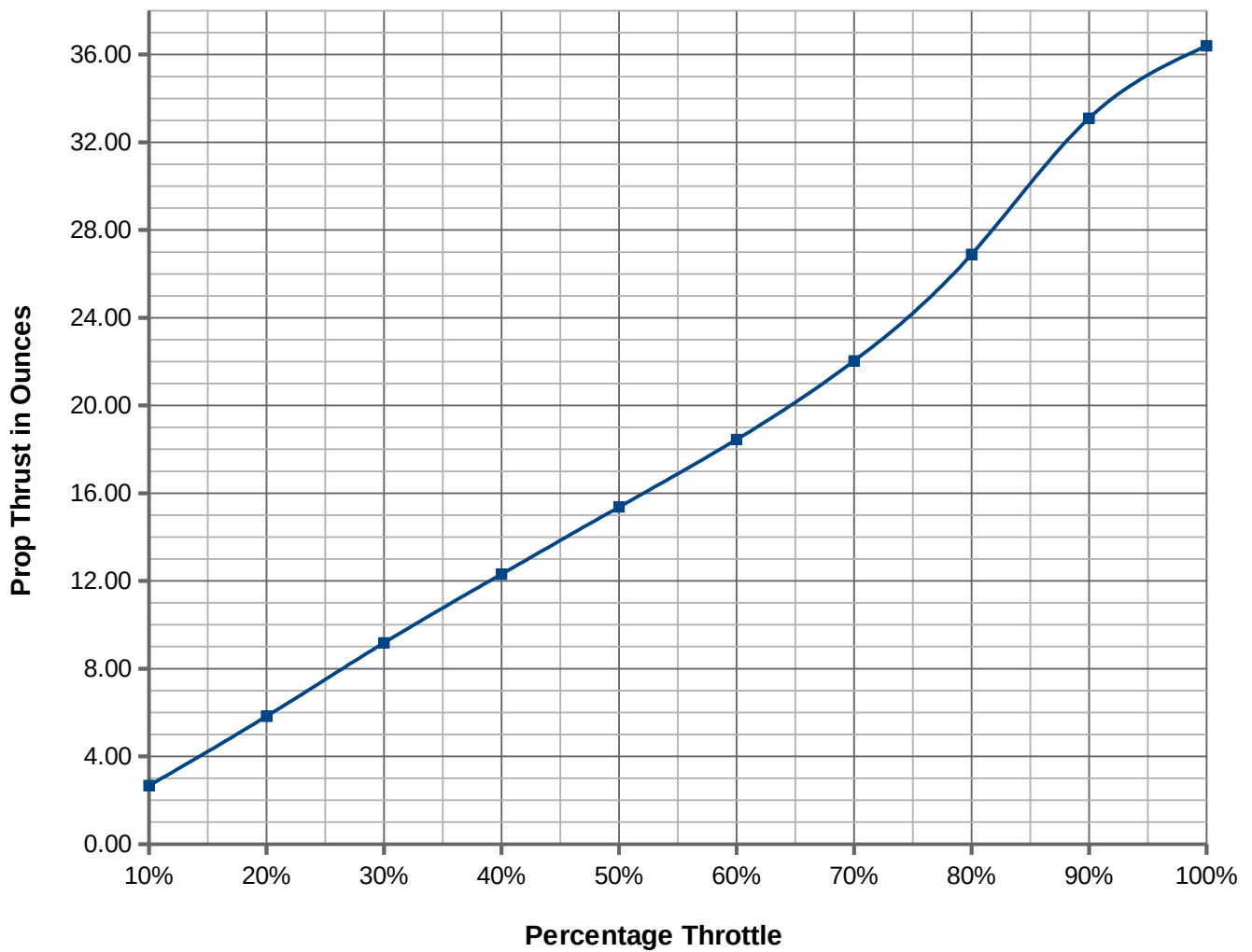
## Propeller RPM vs Throttle Position



# Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 14.8 volts with HQ 5x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.86	12.68	6,471	75.6	2.66	5.96
20%	2.18	32.29	9,628	165.4	5.83	5.12
30%	3.81	56.33	12,039	260.4	9.18	4.62
40%	5.60	82.84	13,975	349.3	12.31	4.22
50%	7.48	110.70	15,605	436.1	15.37	3.94
60%	9.40	139.11	17,100	523.4	18.45	3.76
70%	12.06	178.44	18,641	625.2	22.03	3.50
80%	16.11	238.37	20,659	763.1	26.89	3.20
90%	21.00	310.74	22,724	939.3	33.10	3.02
100%	24.03	355.64	23,618	1032.8	36.40	2.90

## Propeller Thrust vs Throttle Position



# Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 14.8 volts with HQ 5x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.86	12.68	6,471	75.6	2.66	5.96
20%	2.18	32.29	9,628	165.4	5.83	5.12
30%	3.81	56.33	12,039	260.4	9.18	4.62
40%	5.60	82.84	13,975	349.3	12.31	4.22
50%	7.48	110.70	15,605	436.1	15.37	3.94
60%	9.40	139.11	17,100	523.4	18.45	3.76
70%	12.06	178.44	18,641	625.2	22.03	3.50
80%	16.11	238.37	20,659	763.1	26.89	3.20
90%	21.00	310.74	22,724	939.3	33.10	3.02
100%	24.03	355.64	23,618	1032.8	36.40	2.90

## Propeller Efficiency vs Throttle Position

