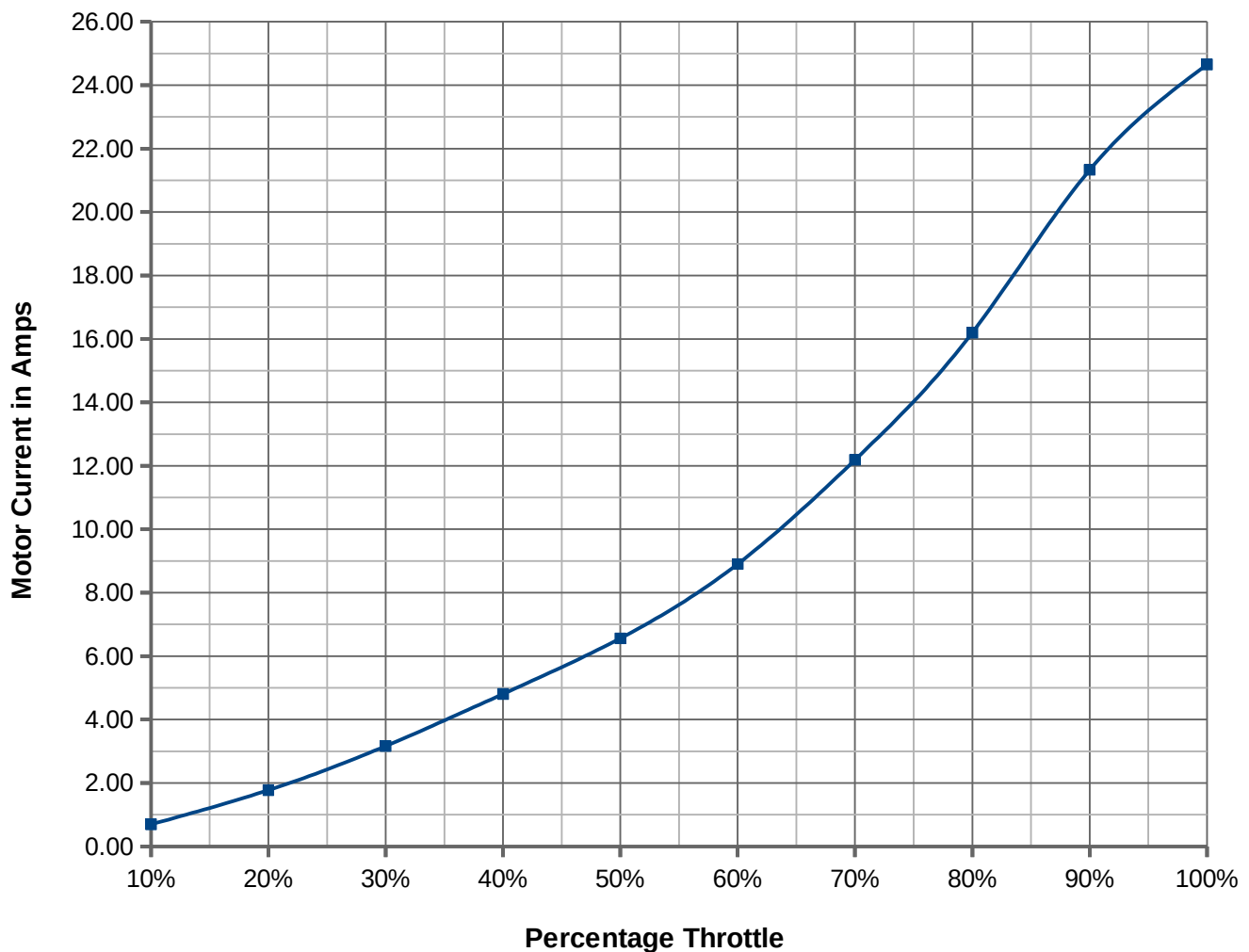


# Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 11.1 volts with HQ 6x4.5x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.70	7.73	4,183	57.6	2.03	7.46
20%	1.77	19.69	6,431	132.6	4.67	6.73
30%	3.16	35.12	8,094	213.5	7.52	6.08
40%	4.81	53.35	9,517	302.9	10.67	5.68
50%	6.56	72.82	10,751	384.3	13.54	5.28
60%	8.90	98.82	12,050	500.0	17.62	5.06
70%	12.19	135.28	13,533	625.0	22.03	4.62
80%	16.20	179.82	14,965	762.3	26.87	4.24
90%	21.33	236.80	16,466	933.1	32.88	3.94
100%	24.65	273.66	17,253	1032.4	36.38	3.77

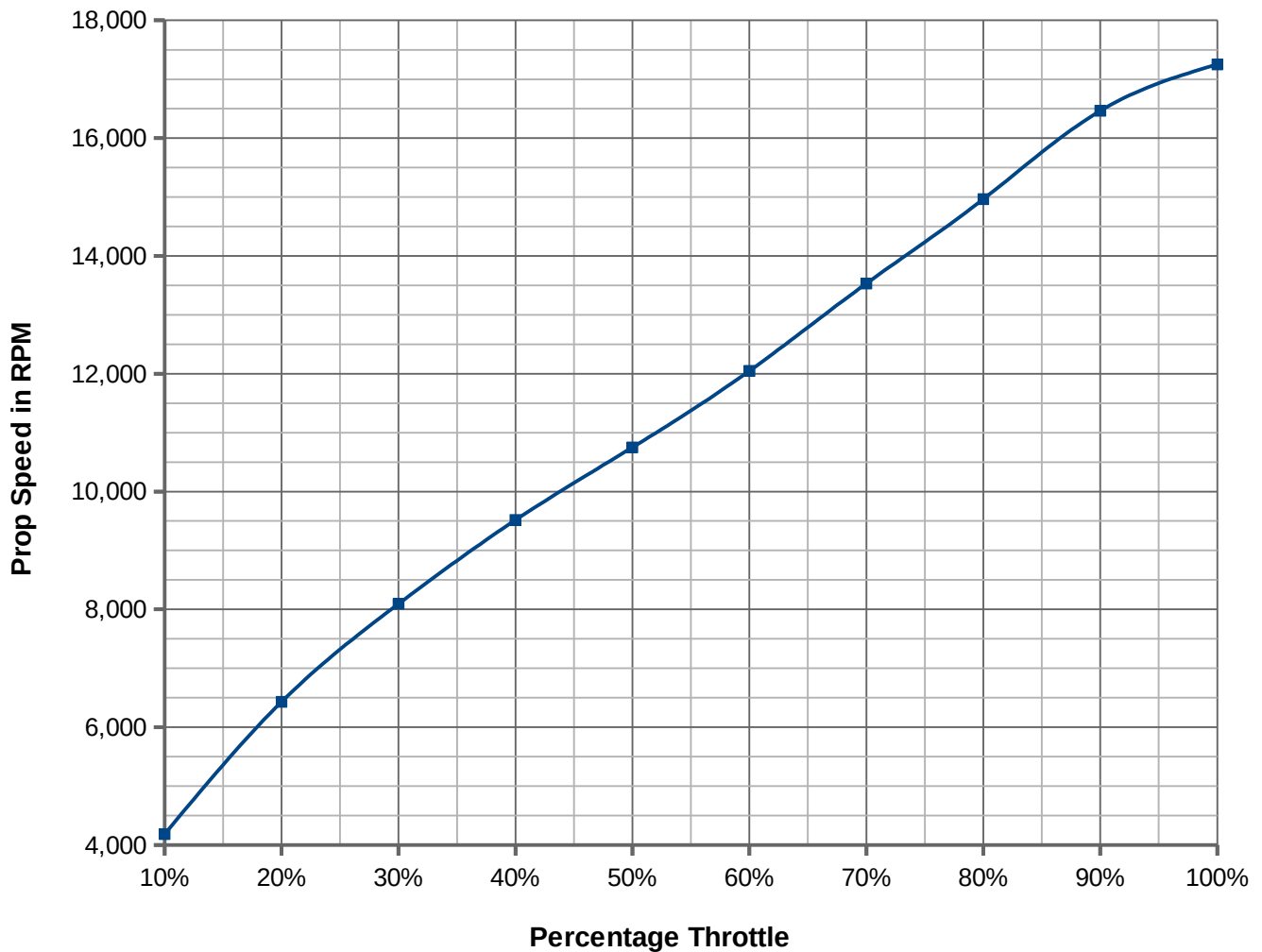
## Motor Current vs Throttle Position



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

Data Collected at 11.1 volts with HQ 6x4.5x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.70	7.73	4,183	57.6	2.03	7.46
20%	1.77	19.69	6,431	132.6	4.67	6.73
30%	3.16	35.12	8,094	213.5	7.52	6.08
40%	4.81	53.35	9,517	302.9	10.67	5.68
50%	6.56	72.82	10,751	384.3	13.54	5.28
60%	8.90	98.82	12,050	500.0	17.62	5.06
70%	12.19	135.28	13,533	625.0	22.03	4.62
80%	16.20	179.82	14,965	762.3	26.87	4.24
90%	21.33	236.80	16,466	933.1	32.88	3.94
100%	24.65	273.66	17,253	1032.4	36.38	3.77

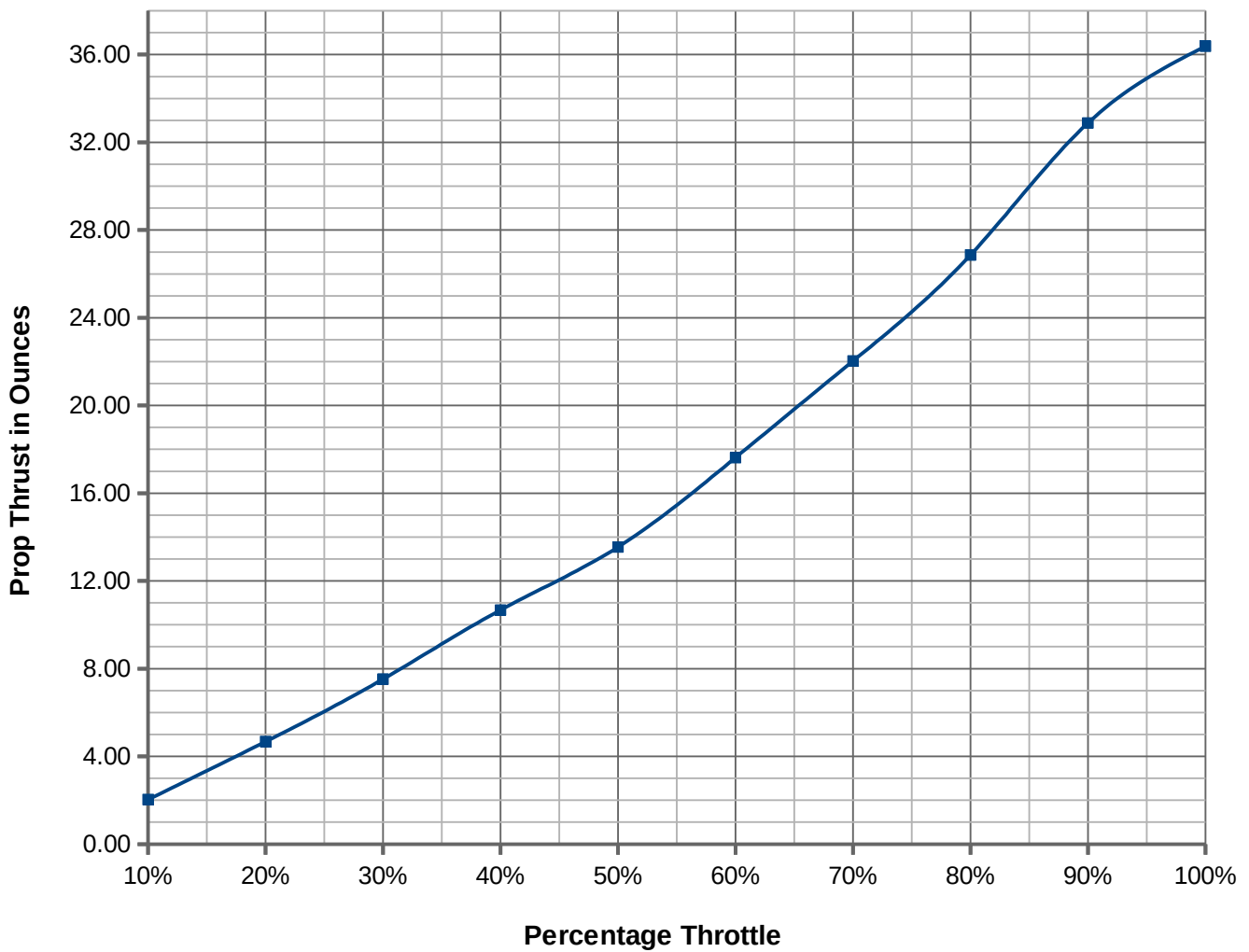
### Propeller RPM vs Throttle Position



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

Data Collected at 11.1 volts with HQ 6x4.5x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.70	7.73	4,183	57.6	2.03	7.46
20%	1.77	19.69	6,431	132.6	4.67	6.73
30%	3.16	35.12	8,094	213.5	7.52	6.08
40%	4.81	53.35	9,517	302.9	10.67	5.68
50%	6.56	72.82	10,751	384.3	13.54	5.28
60%	8.90	98.82	12,050	500.0	17.62	5.06
70%	12.19	135.28	13,533	625.0	22.03	4.62
80%	16.20	179.82	14,965	762.3	26.87	4.24
90%	21.33	236.80	16,466	933.1	32.88	3.94
100%	24.65	273.66	17,253	1032.4	36.38	3.77

## Propeller Thrust vs Throttle Position



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

Data Collected at 11.1 volts with HQ 6x4.5x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.70	7.73	4,183	57.6	2.03	7.46
20%	1.77	19.69	6,431	132.6	4.67	6.73
30%	3.16	35.12	8,094	213.5	7.52	6.08
40%	4.81	53.35	9,517	302.9	10.67	5.68
50%	6.56	72.82	10,751	384.3	13.54	5.28
60%	8.90	98.82	12,050	500.0	17.62	5.06
70%	12.19	135.28	13,533	625.0	22.03	4.62
80%	16.20	179.82	14,965	762.3	26.87	4.24
90%	21.33	236.80	16,466	933.1	32.88	3.94
100%	24.65	273.66	17,253	1032.4	36.38	3.77

## Propeller Efficiency vs Throttle Position

