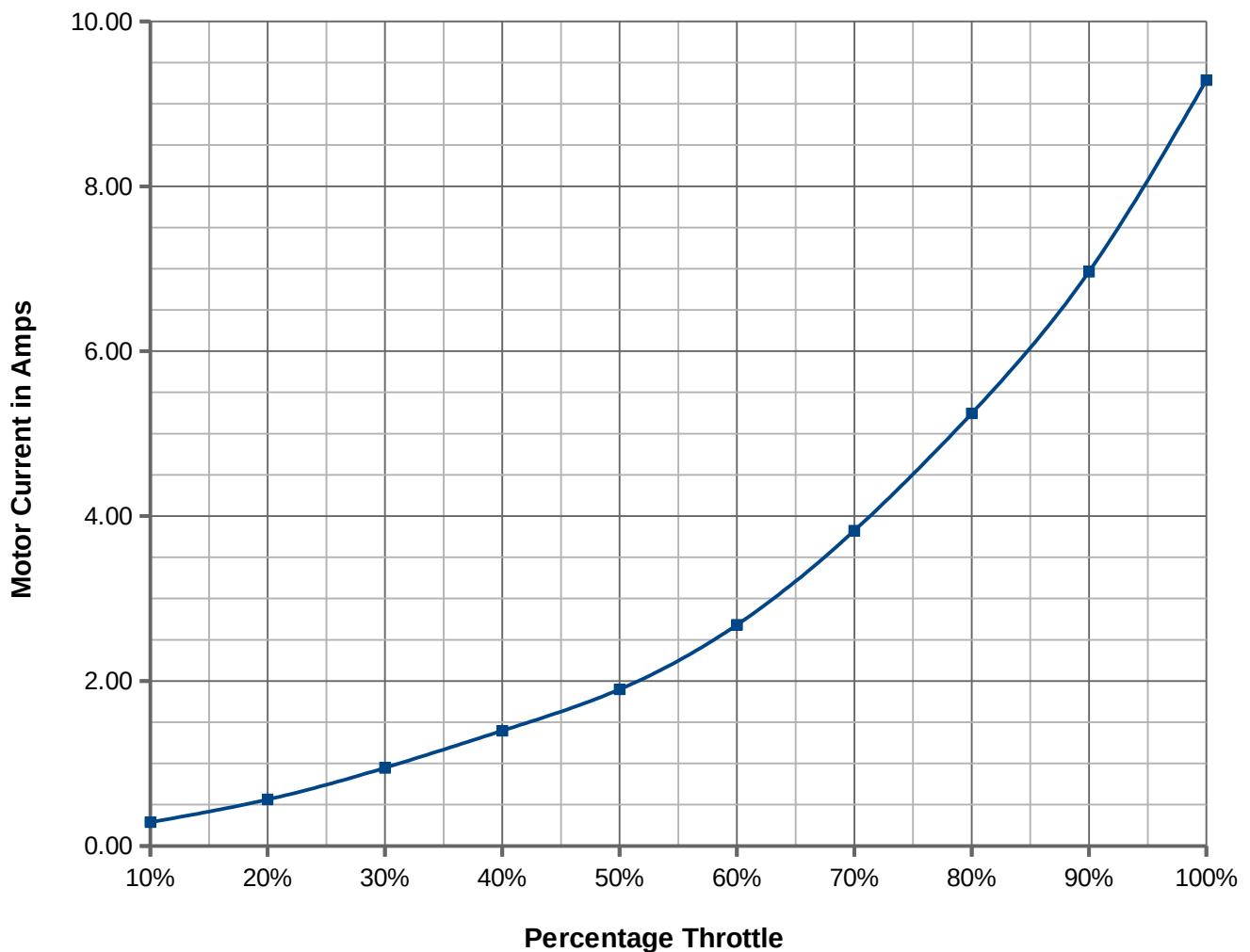


# Cobra CM-1806/30 Motor Test Data, Kv=2450

Data Collected at 14.8 volts with HQ 4x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	4.26	6,390	21.1	0.74	4.95
20%	0.56	8.33	9,661	43.6	1.54	5.23
30%	0.95	14.02	12,362	70.7	2.49	5.04
40%	1.40	20.68	14,689	100.0	3.52	4.84
50%	1.90	28.11	16,597	128.0	4.51	4.55
60%	2.68	39.68	18,996	169.4	5.97	4.27
70%	3.82	56.58	21,494	222.0	7.82	3.92
80%	5.25	77.64	22,737	278.3	9.81	3.58
90%	6.97	103.08	24,592	343.4	12.10	3.33
100%	9.29	137.45	26,719	414.4	14.60	3.01

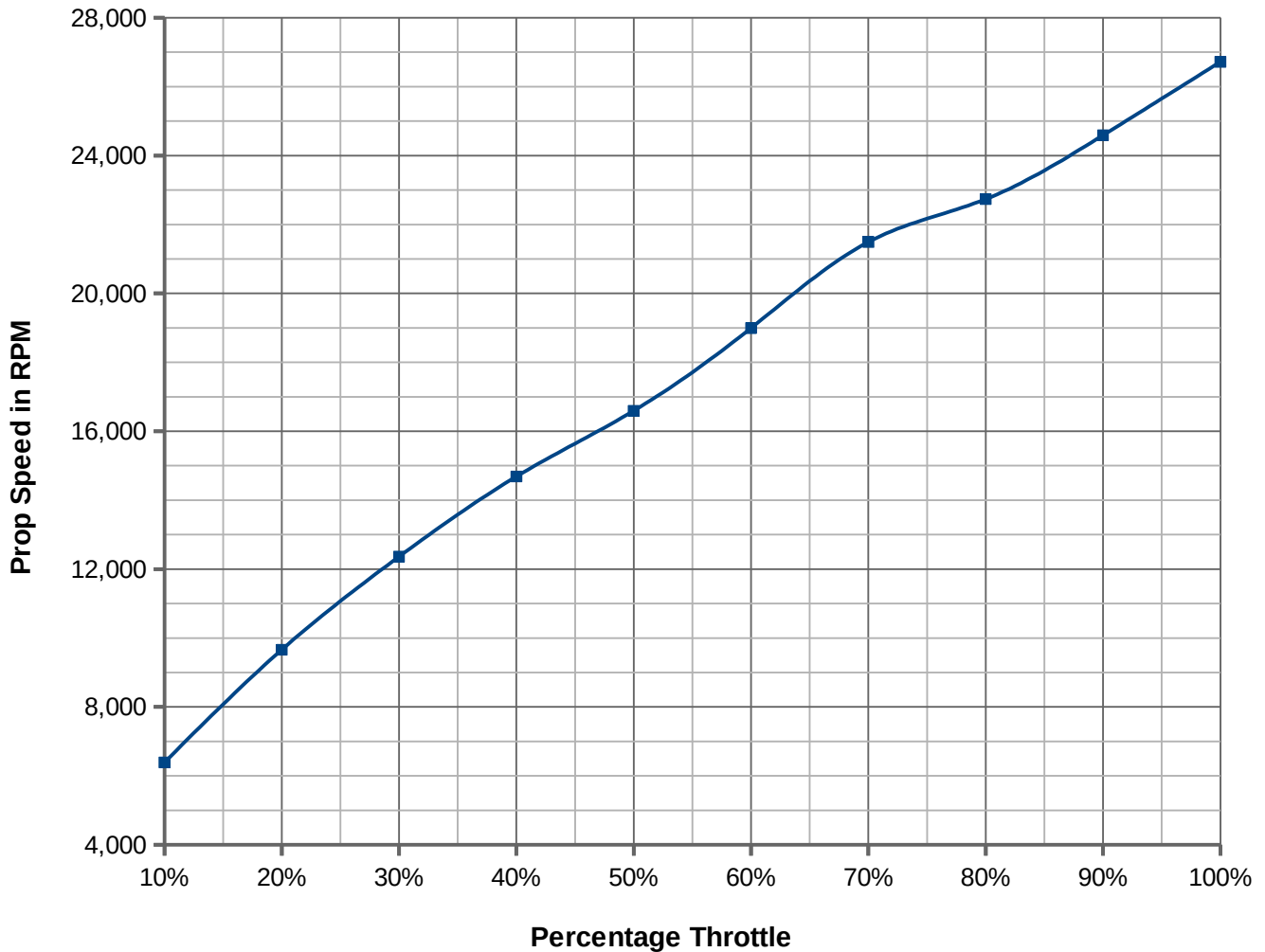
## Motor Current vs Throttle Position



# Cobra CM-1806/30 Motor Test Data, Kv=2450

Data Collected at 14.8 volts with HQ 4x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	4.26	6,390	21.1	0.74	4.95
20%	0.56	8.33	9,661	43.6	1.54	5.23
30%	0.95	14.02	12,362	70.7	2.49	5.04
40%	1.40	20.68	14,689	100.0	3.52	4.84
50%	1.90	28.11	16,597	128.0	4.51	4.55
60%	2.68	39.68	18,996	169.4	5.97	4.27
70%	3.82	56.58	21,494	222.0	7.82	3.92
80%	5.25	77.64	22,737	278.3	9.81	3.58
90%	6.97	103.08	24,592	343.4	12.10	3.33
100%	9.29	137.45	26,719	414.4	14.60	3.01

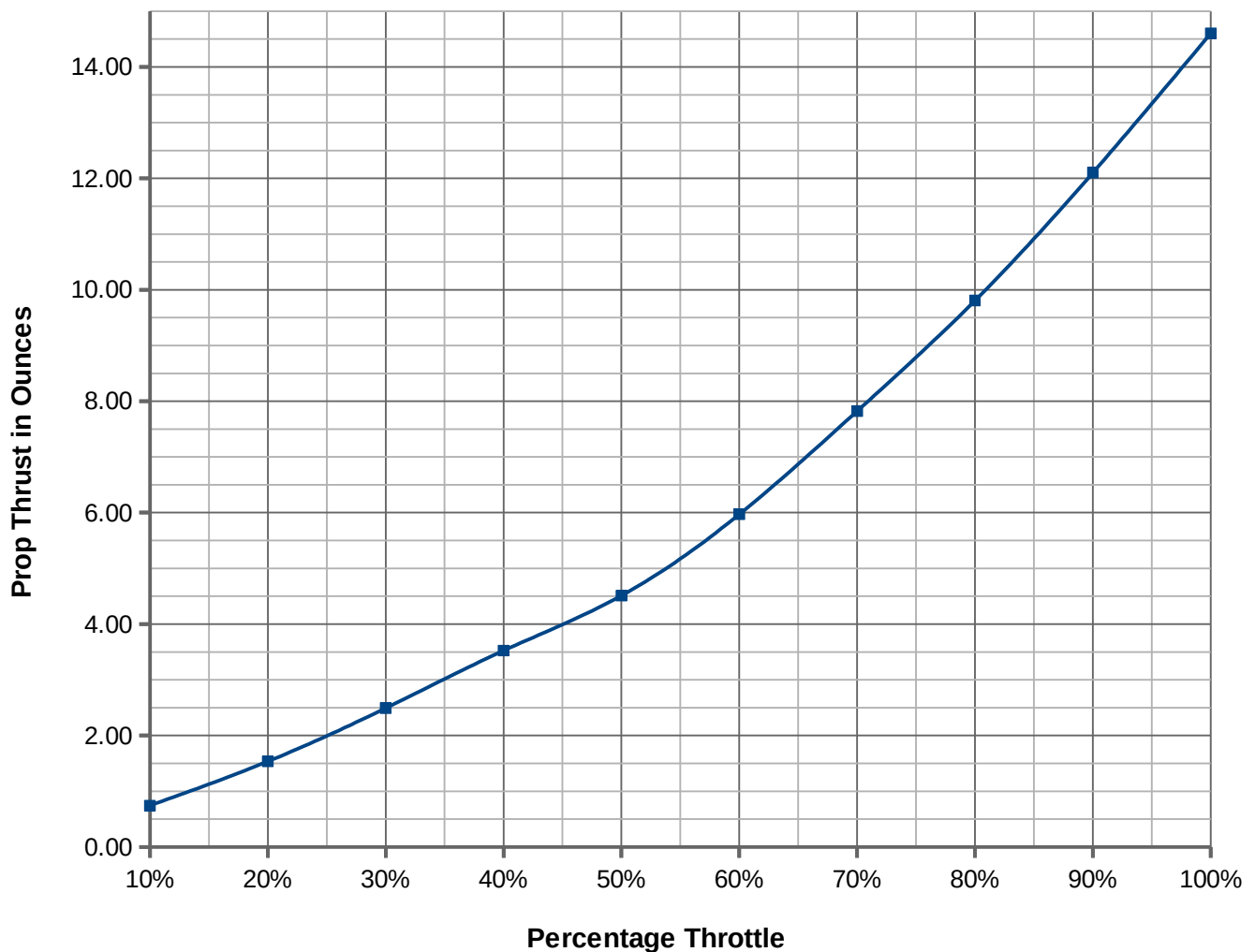
## Propeller RPM vs Throttle Position



# Cobra CM-1806/30 Motor Test Data, Kv=2450

Data Collected at 14.8 volts with HQ 4x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	4.26	6,390	21.1	0.74	4.95
20%	0.56	8.33	9,661	43.6	1.54	5.23
30%	0.95	14.02	12,362	70.7	2.49	5.04
40%	1.40	20.68	14,689	100.0	3.52	4.84
50%	1.90	28.11	16,597	128.0	4.51	4.55
60%	2.68	39.68	18,996	169.4	5.97	4.27
70%	3.82	56.58	21,494	222.0	7.82	3.92
80%	5.25	77.64	22,737	278.3	9.81	3.58
90%	6.97	103.08	24,592	343.4	12.10	3.33
100%	9.29	137.45	26,719	414.4	14.60	3.01

## Propeller Thrust vs Throttle Position



## Cobra CM-1806/30 Motor Test Data, Kv=2450

Data Collected at 14.8 volts with HQ 4x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	4.26	6,390	21.1	0.74	4.95
20%	0.56	8.33	9,661	43.6	1.54	5.23
30%	0.95	14.02	12,362	70.7	2.49	5.04
40%	1.40	20.68	14,689	100.0	3.52	4.84
50%	1.90	28.11	16,597	128.0	4.51	4.55
60%	2.68	39.68	18,996	169.4	5.97	4.27
70%	3.82	56.58	21,494	222.0	7.82	3.92
80%	5.25	77.64	22,737	278.3	9.81	3.58
90%	6.97	103.08	24,592	343.4	12.10	3.33
100%	9.29	137.45	26,719	414.4	14.60	3.01

### Propeller Efficiency vs Throttle Position

