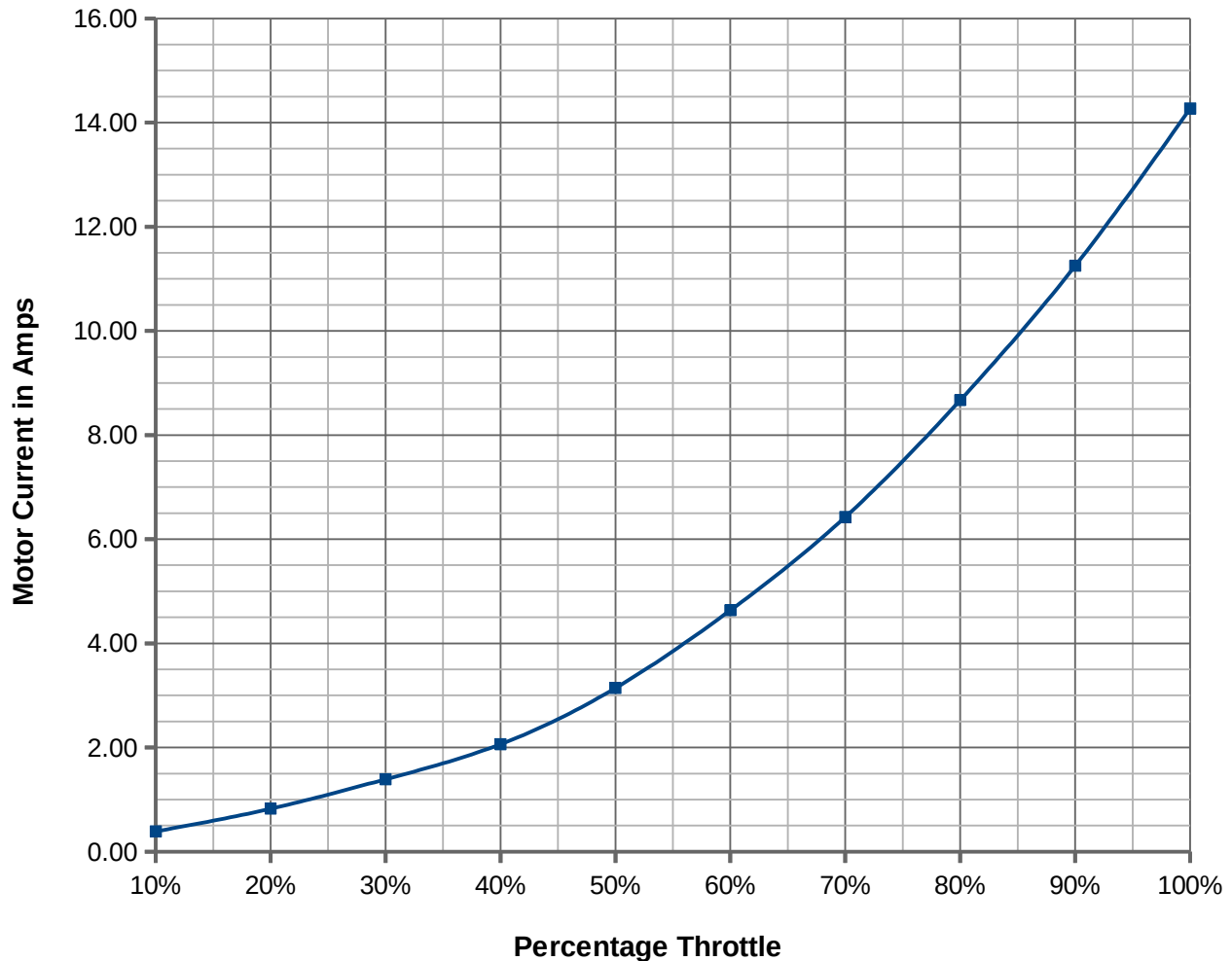


# Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 11.1 volts with HQ 5x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.39	4.33	4,175	26.0	0.92	6.01
20%	0.83	9.17	6,314	60.6	2.14	6.61
30%	1.39	15.44	8,038	100.2	3.53	6.49
40%	2.07	22.92	9,490	140.2	4.94	6.12
50%	3.14	34.89	11,232	194.6	6.86	5.58
60%	4.64	51.46	13,059	258.4	9.11	5.02
70%	6.43	71.33	14,821	334.5	11.79	4.69
80%	8.67	96.26	16,558	415.2	14.63	4.31
90%	11.25	124.89	18,181	499.9	17.62	4.00
100%	14.27	158.42	19,845	587.6	20.71	3.71

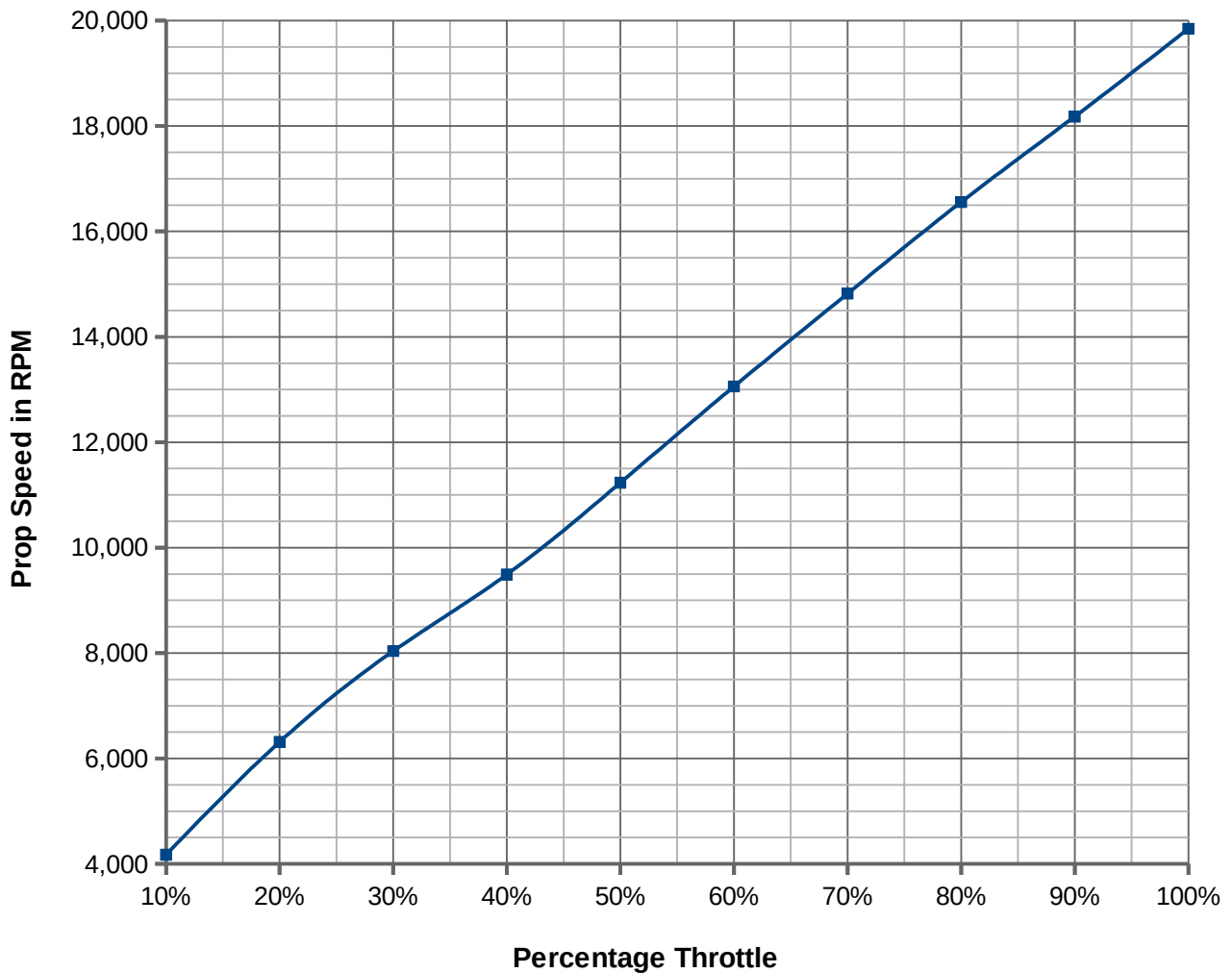
## Motor Current vs Throttle Position



# Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 11.1 volts with HQ 5x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.39	4.33	4,175	26.0	0.92	6.01
20%	0.83	9.17	6,314	60.6	2.14	6.61
30%	1.39	15.44	8,038	100.2	3.53	6.49
40%	2.07	22.92	9,490	140.2	4.94	6.12
50%	3.14	34.89	11,232	194.6	6.86	5.58
60%	4.64	51.46	13,059	258.4	9.11	5.02
70%	6.43	71.33	14,821	334.5	11.79	4.69
80%	8.67	96.26	16,558	415.2	14.63	4.31
90%	11.25	124.89	18,181	499.9	17.62	4.00
100%	14.27	158.42	19,845	587.6	20.71	3.71

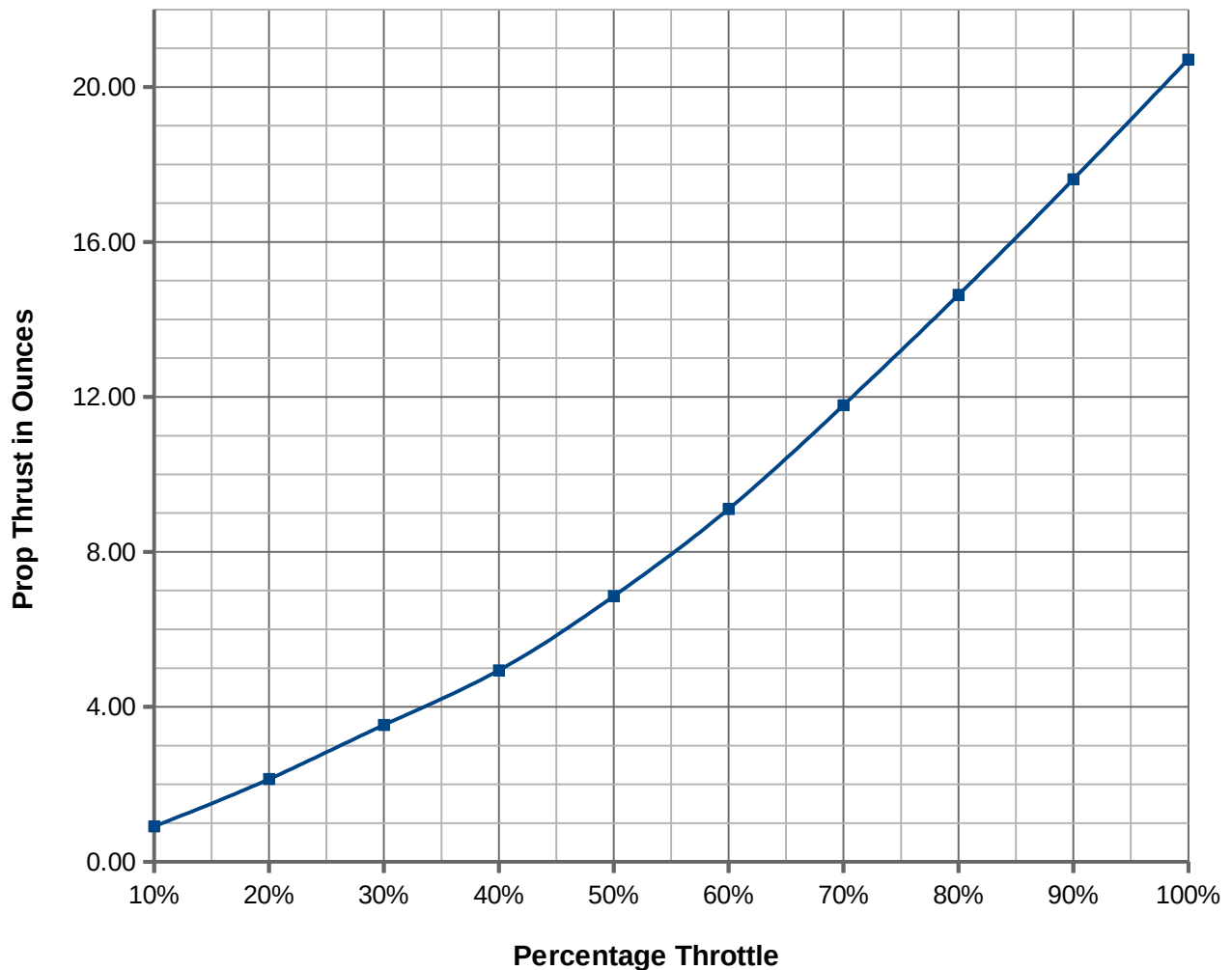
## Propeller RPM vs Throttle Position



# Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 11.1 volts with HQ 5x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.39	4.33	4,175	26.0	0.92	6.01
20%	0.83	9.17	6,314	60.6	2.14	6.61
30%	1.39	15.44	8,038	100.2	3.53	6.49
40%	2.07	22.92	9,490	140.2	4.94	6.12
50%	3.14	34.89	11,232	194.6	6.86	5.58
60%	4.64	51.46	13,059	258.4	9.11	5.02
70%	6.43	71.33	14,821	334.5	11.79	4.69
80%	8.67	96.26	16,558	415.2	14.63	4.31
90%	11.25	124.89	18,181	499.9	17.62	4.00
100%	14.27	158.42	19,845	587.6	20.71	3.71

## Propeller Thrust vs Throttle Position



# Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 11.1 volts with HQ 5x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.39	4.33	4,175	26.0	0.92	6.01
20%	0.83	9.17	6,314	60.6	2.14	6.61
30%	1.39	15.44	8,038	100.2	3.53	6.49
40%	2.07	22.92	9,490	140.2	4.94	6.12
50%	3.14	34.89	11,232	194.6	6.86	5.58
60%	4.64	51.46	13,059	258.4	9.11	5.02
70%	6.43	71.33	14,821	334.5	11.79	4.69
80%	8.67	96.26	16,558	415.2	14.63	4.31
90%	11.25	124.89	18,181	499.9	17.62	4.00
100%	14.27	158.42	19,845	587.6	20.71	3.71

### Propeller Efficiency vs Throttle Position

