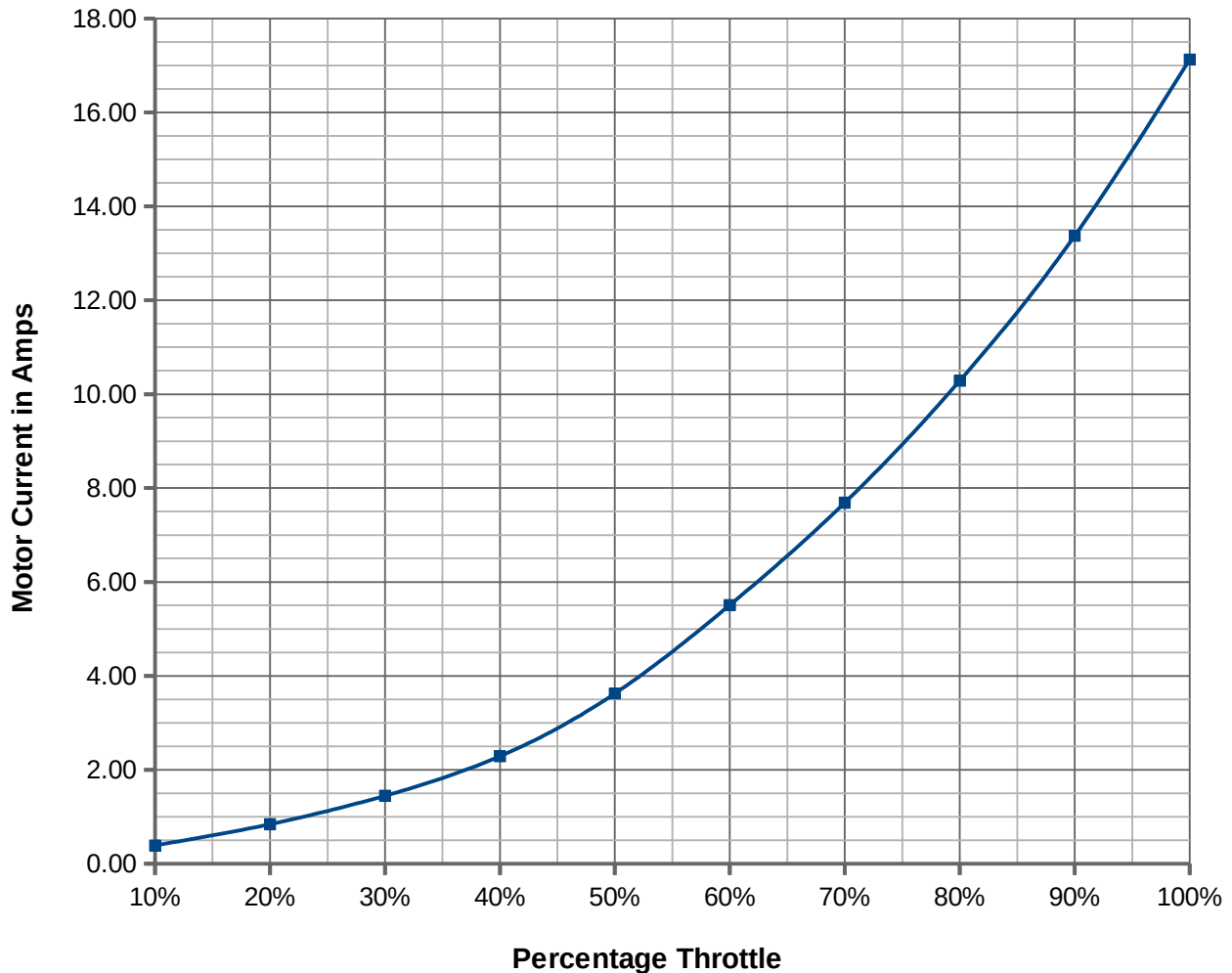


Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 11.1 volts with HQ 5x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.39	4.33	3,793	23.6	0.83	5.45
20%	0.84	9.35	5,824	56.8	2.00	6.08
30%	1.45	16.07	7,456	96.2	3.39	5.99
40%	2.29	25.41	9,023	139.1	4.90	5.47
50%	3.63	40.25	10,762	201.3	7.09	5.00
60%	5.51	61.15	12,525	274.3	9.67	4.49
70%	7.69	85.33	14,105	355.7	12.54	4.17
80%	10.29	114.16	15,665	432.0	15.22	3.78
90%	13.37	148.44	17,109	516.2	18.19	3.48
100%	17.13	190.11	18,430	597.4	21.05	3.14

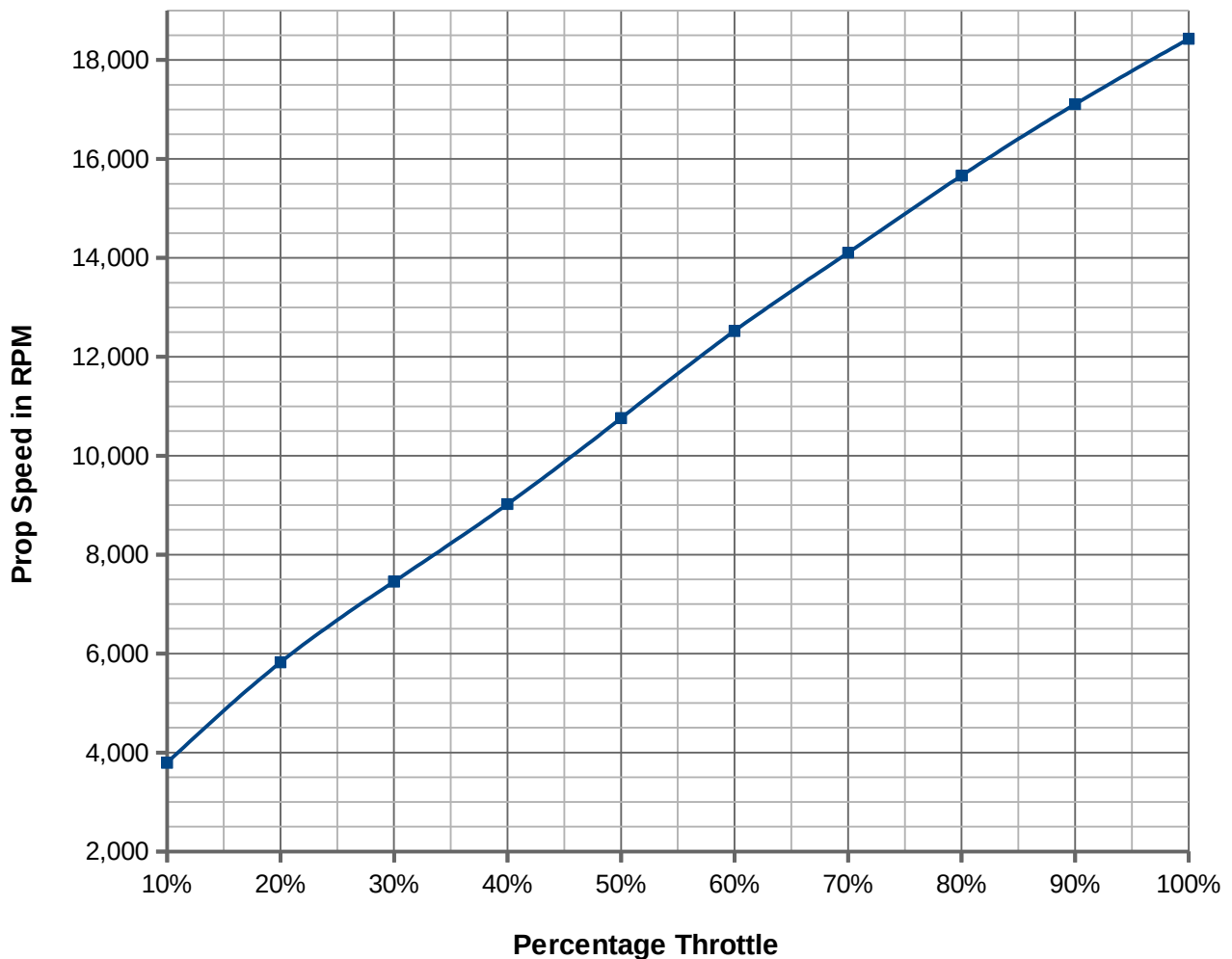
Motor Current vs Throttle Position



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

Data Collected at 11.1 volts with HQ 5x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.39	4.33	3,793	23.6	0.83	5.45
20%	0.84	9.35	5,824	56.8	2.00	6.08
30%	1.45	16.07	7,456	96.2	3.39	5.99
40%	2.29	25.41	9,023	139.1	4.90	5.47
50%	3.63	40.25	10,762	201.3	7.09	5.00
60%	5.51	61.15	12,525	274.3	9.67	4.49
70%	7.69	85.33	14,105	355.7	12.54	4.17
80%	10.29	114.16	15,665	432.0	15.22	3.78
90%	13.37	148.44	17,109	516.2	18.19	3.48
100%	17.13	190.11	18,430	597.4	21.05	3.14

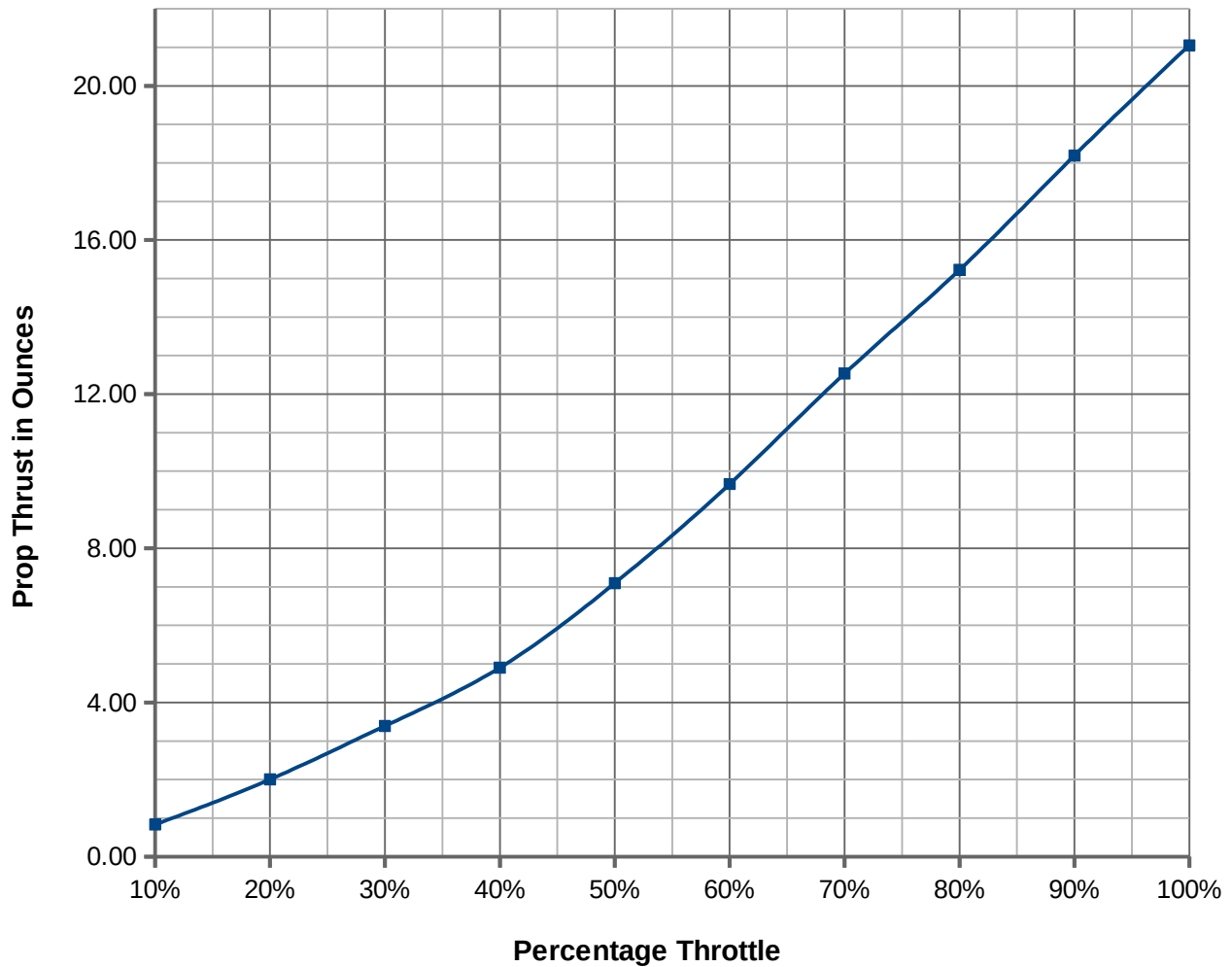
Propeller RPM vs Throttle Position



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

Data Collected at 11.1 volts with HQ 5x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.39	4.33	3,793	23.6	0.83	5.45
20%	0.84	9.35	5,824	56.8	2.00	6.08
30%	1.45	16.07	7,456	96.2	3.39	5.99
40%	2.29	25.41	9,023	139.1	4.90	5.47
50%	3.63	40.25	10,762	201.3	7.09	5.00
60%	5.51	61.15	12,525	274.3	9.67	4.49
70%	7.69	85.33	14,105	355.7	12.54	4.17
80%	10.29	114.16	15,665	432.0	15.22	3.78
90%	13.37	148.44	17,109	516.2	18.19	3.48
100%	17.13	190.11	18,430	597.4	21.05	3.14

Propeller Thrust vs Throttle Position



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

Data Collected at 11.1 volts with HQ 5x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.39	4.33	3,793	23.6	0.83	5.45
20%	0.84	9.35	5,824	56.8	2.00	6.08
30%	1.45	16.07	7,456	96.2	3.39	5.99
40%	2.29	25.41	9,023	139.1	4.90	5.47
50%	3.63	40.25	10,762	201.3	7.09	5.00
60%	5.51	61.15	12,525	274.3	9.67	4.49
70%	7.69	85.33	14,105	355.7	12.54	4.17
80%	10.29	114.16	15,665	432.0	15.22	3.78
90%	13.37	148.44	17,109	516.2	18.19	3.48
100%	17.13	190.11	18,430	597.4	21.05	3.14

Propeller Efficiency vs Throttle Position

