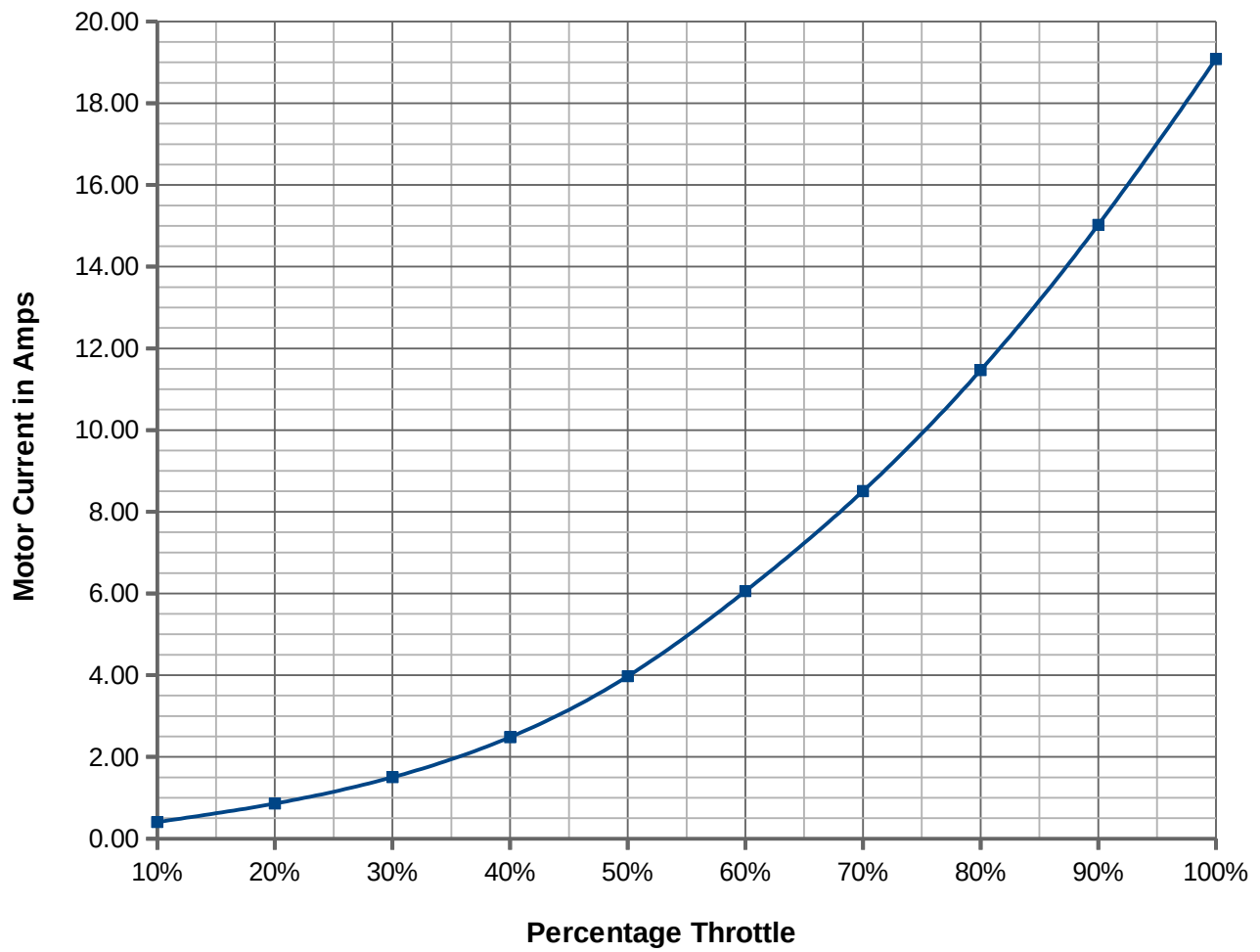


Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 11.1 volts with APC 6x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.41	4.51	3,763	29.2	1.03	6.48
20%	0.86	9.53	5,608	61.7	2.17	6.47
30%	1.50	16.68	7,260	102.5	3.61	6.14
40%	2.48	27.57	8,857	151.5	5.34	5.49
50%	3.98	44.12	10,556	216.8	7.64	4.91
60%	6.06	67.22	12,277	300.5	10.59	4.47
70%	8.51	94.43	13,739	385.6	13.59	4.08
80%	11.47	127.28	15,140	470.5	16.58	3.70
90%	15.02	166.77	16,415	566.8	19.98	3.40
100%	19.08	211.80	17,586	649.9	22.90	3.07

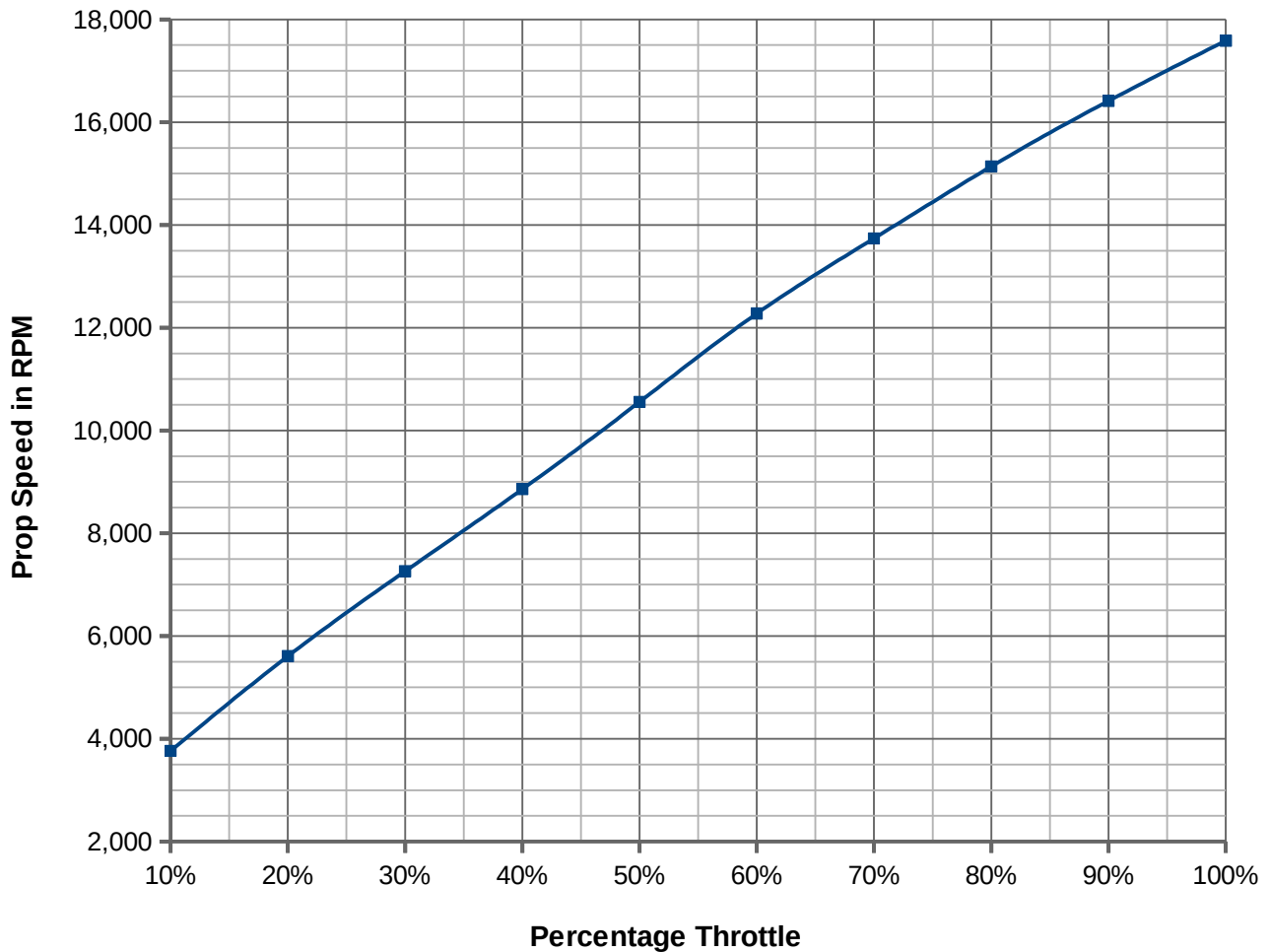
Motor Current vs Throttle Position



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

Data Collected at 11.1 volts with APC 6x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.41	4.51	3,763	29.2	1.03	6.48
20%	0.86	9.53	5,608	61.7	2.17	6.47
30%	1.50	16.68	7,260	102.5	3.61	6.14
40%	2.48	27.57	8,857	151.5	5.34	5.49
50%	3.98	44.12	10,556	216.8	7.64	4.91
60%	6.06	67.22	12,277	300.5	10.59	4.47
70%	8.51	94.43	13,739	385.6	13.59	4.08
80%	11.47	127.28	15,140	470.5	16.58	3.70
90%	15.02	166.77	16,415	566.8	19.98	3.40
100%	19.08	211.80	17,586	649.9	22.90	3.07

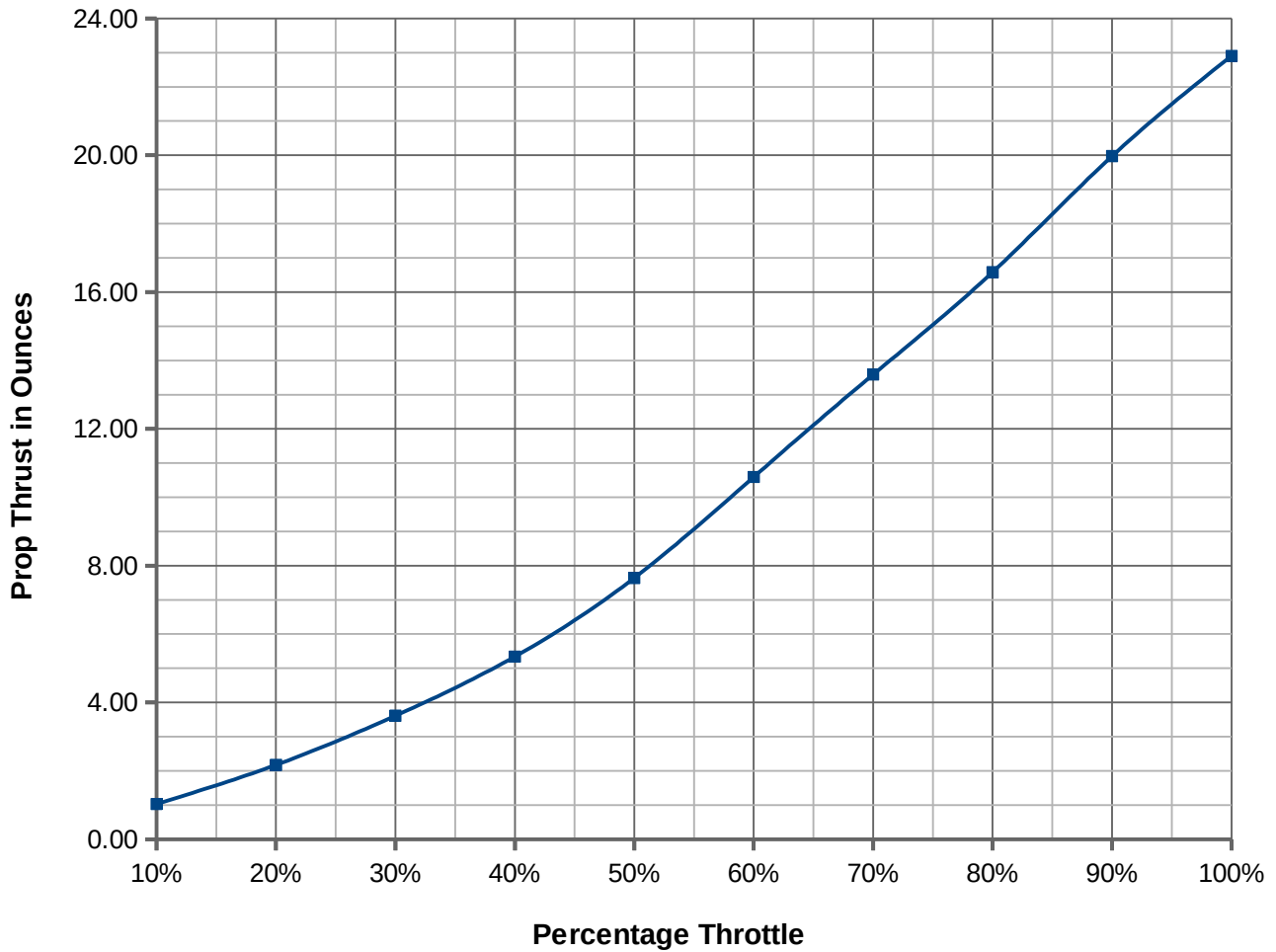
Propeller RPM vs Throttle Position



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

Data Collected at 11.1 volts with APC 6x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.41	4.51	3,763	29.2	1.03	6.48
20%	0.86	9.53	5,608	61.7	2.17	6.47
30%	1.50	16.68	7,260	102.5	3.61	6.14
40%	2.48	27.57	8,857	151.5	5.34	5.49
50%	3.98	44.12	10,556	216.8	7.64	4.91
60%	6.06	67.22	12,277	300.5	10.59	4.47
70%	8.51	94.43	13,739	385.6	13.59	4.08
80%	11.47	127.28	15,140	470.5	16.58	3.70
90%	15.02	166.77	16,415	566.8	19.98	3.40
100%	19.08	211.80	17,586	649.9	22.90	3.07

Propeller Thrust vs Throttle Position



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

Data Collected at 11.1 volts with APC 6x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.41	4.51	3,763	29.2	1.03	6.48
20%	0.86	9.53	5,608	61.7	2.17	6.47
30%	1.50	16.68	7,260	102.5	3.61	6.14
40%	2.48	27.57	8,857	151.5	5.34	5.49
50%	3.98	44.12	10,556	216.8	7.64	4.91
60%	6.06	67.22	12,277	300.5	10.59	4.47
70%	8.51	94.43	13,739	385.6	13.59	4.08
80%	11.47	127.28	15,140	470.5	16.58	3.70
90%	15.02	166.77	16,415	566.8	19.98	3.40
100%	19.08	211.80	17,586	649.9	22.90	3.07

Propeller Efficiency vs Throttle Position

