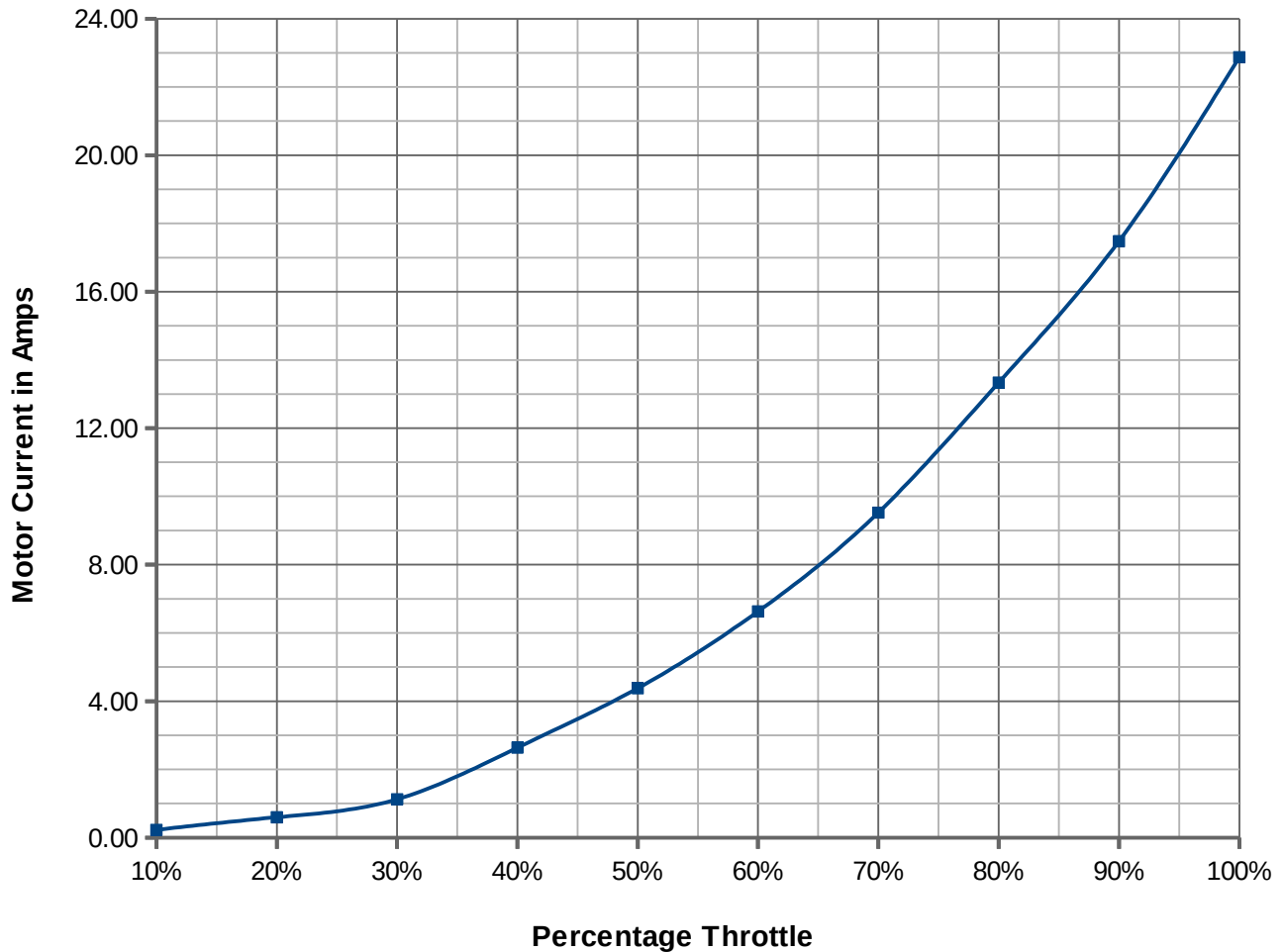


Scorpion M-4015-340Kv Motor Test Data

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	5.11	1,075	74.0	2.61	14.49
20%	0.60	13.28	1,742	190.8	6.72	14.37
30%	1.13	24.98	2,236	338.2	11.92	13.54
40%	2.64	58.56	3,065	661.5	23.31	11.30
50%	4.38	97.19	3,671	976.3	34.41	10.05
60%	6.63	147.16	4,239	1326.7	46.76	9.02
70%	9.53	211.46	4,757	1693.6	59.69	8.01
80%	13.33	296.01	5,296	2140.8	75.45	7.23
90%	17.48	388.12	5,750	2585.0	91.10	6.66
100%	22.87	507.80	6,238	3059.7	107.83	6.03

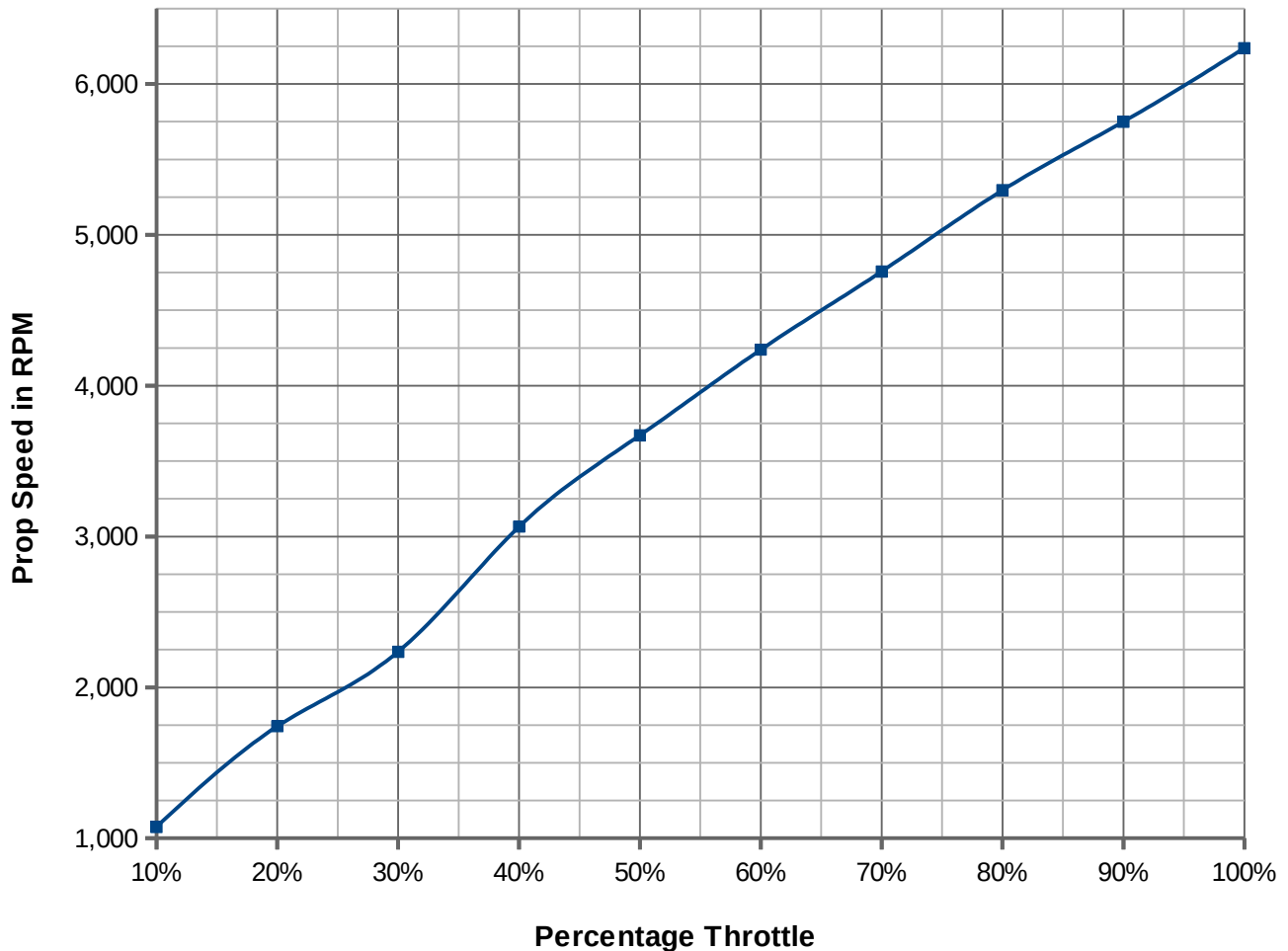
Motor Current vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	5.11	1,075	74.0	2.61	14.49
20%	0.60	13.28	1,742	190.8	6.72	14.37
30%	1.13	24.98	2,236	338.2	11.92	13.54
40%	2.64	58.56	3,065	661.5	23.31	11.30
50%	4.38	97.19	3,671	976.3	34.41	10.05
60%	6.63	147.16	4,239	1326.7	46.76	9.02
70%	9.53	211.46	4,757	1693.6	59.69	8.01
80%	13.33	296.01	5,296	2140.8	75.45	7.23
90%	17.48	388.12	5,750	2585.0	91.10	6.66
100%	22.87	507.80	6,238	3059.7	107.83	6.03

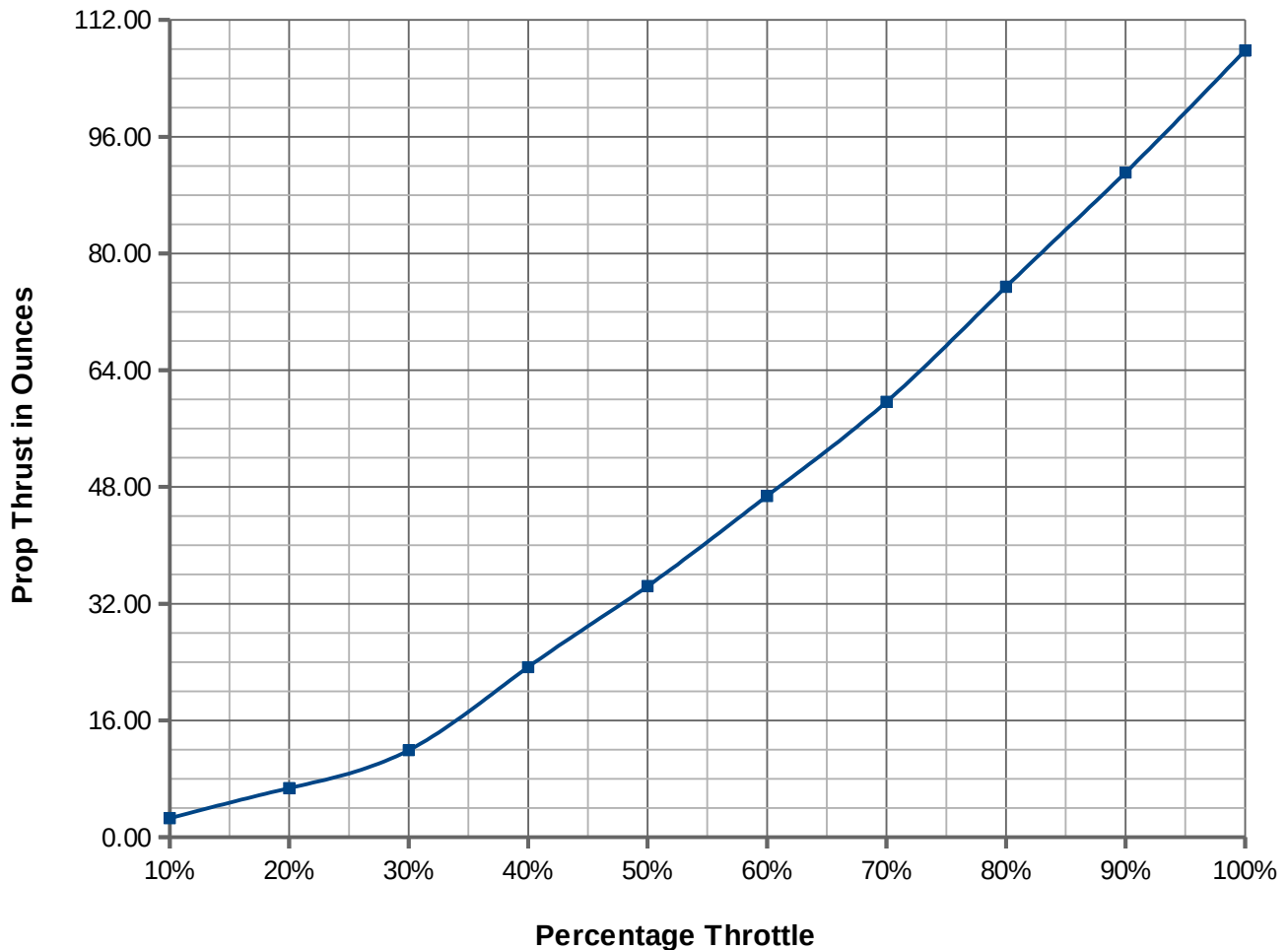
Propeller RPM vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	5.11	1,075	74.0	2.61	14.49
20%	0.60	13.28	1,742	190.8	6.72	14.37
30%	1.13	24.98	2,236	338.2	11.92	13.54
40%	2.64	58.56	3,065	661.5	23.31	11.30
50%	4.38	97.19	3,671	976.3	34.41	10.05
60%	6.63	147.16	4,239	1326.7	46.76	9.02
70%	9.53	211.46	4,757	1693.6	59.69	8.01
80%	13.33	296.01	5,296	2140.8	75.45	7.23
90%	17.48	388.12	5,750	2585.0	91.10	6.66
100%	22.87	507.80	6,238	3059.7	107.83	6.03

Propeller Thrust vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	5.11	1,075	74.0	2.61	14.49
20%	0.60	13.28	1,742	190.8	6.72	14.37
30%	1.13	24.98	2,236	338.2	11.92	13.54
40%	2.64	58.56	3,065	661.5	23.31	11.30
50%	4.38	97.19	3,671	976.3	34.41	10.05
60%	6.63	147.16	4,239	1326.7	46.76	9.02
70%	9.53	211.46	4,757	1693.6	59.69	8.01
80%	13.33	296.01	5,296	2140.8	75.45	7.23
90%	17.48	388.12	5,750	2585.0	91.10	6.66
100%	22.87	507.80	6,238	3059.7	107.83	6.03

Propeller Efficiency vs Throttle Position

