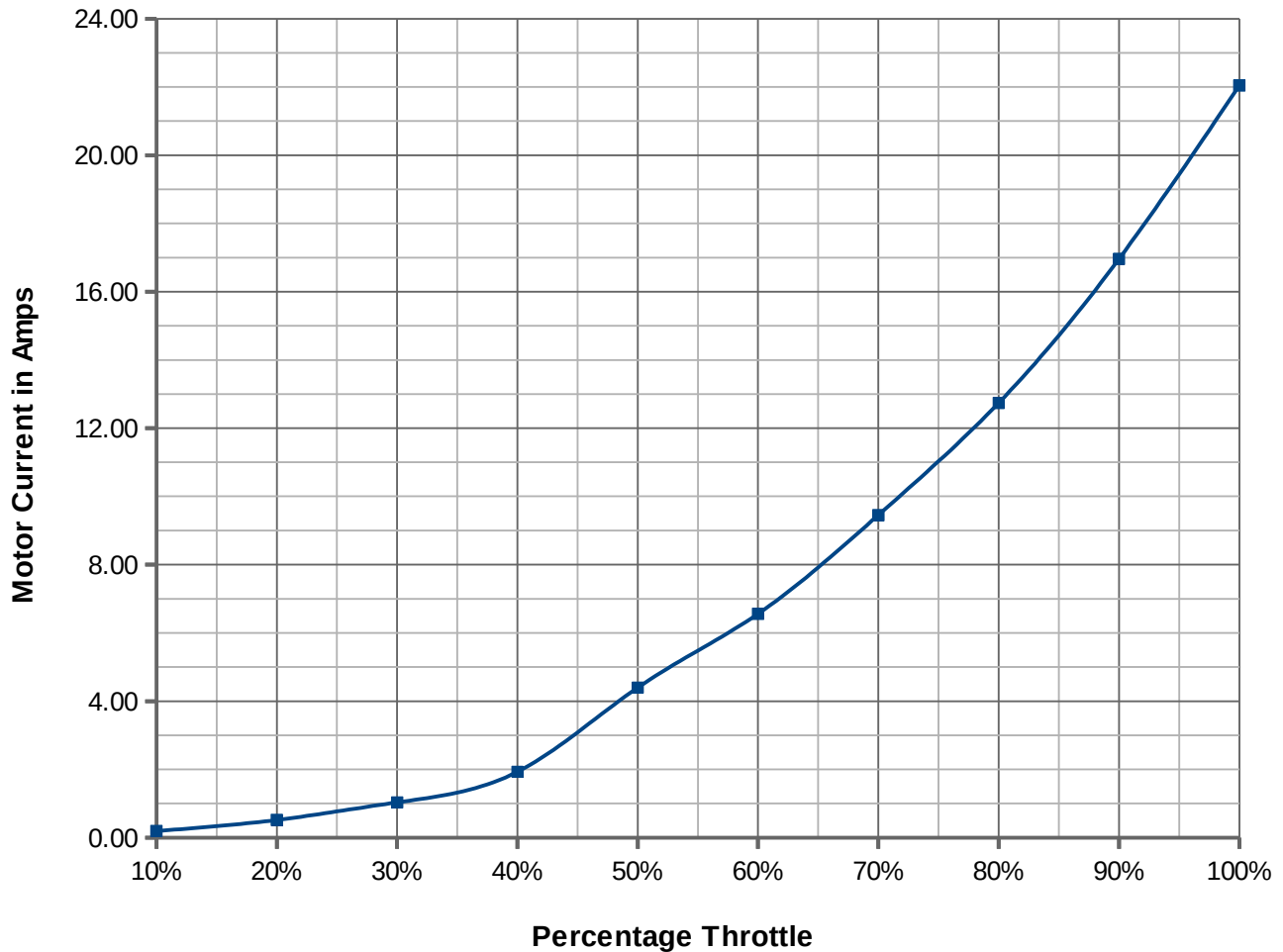


Scorpion M-4015-340Kv Motor Test Data

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	3.63	803	51.0	1.80	14.07
20%	0.52	9.60	1,328	160.9	5.67	16.76
30%	1.03	19.13	1,794	296.0	10.43	15.47
40%	1.93	35.69	2,271	494.8	17.44	13.87
50%	4.40	81.36	3,008	912.0	32.14	11.21
60%	6.56	121.34	3,469	1240.0	43.70	10.22
70%	9.45	174.90	3,905	1585.5	55.88	9.07
80%	12.74	235.67	4,299	1972.0	69.50	8.37
90%	16.96	313.80	4,700	2379.5	83.86	7.58
100%	22.04	407.80	5,121	2773.4	97.74	6.80

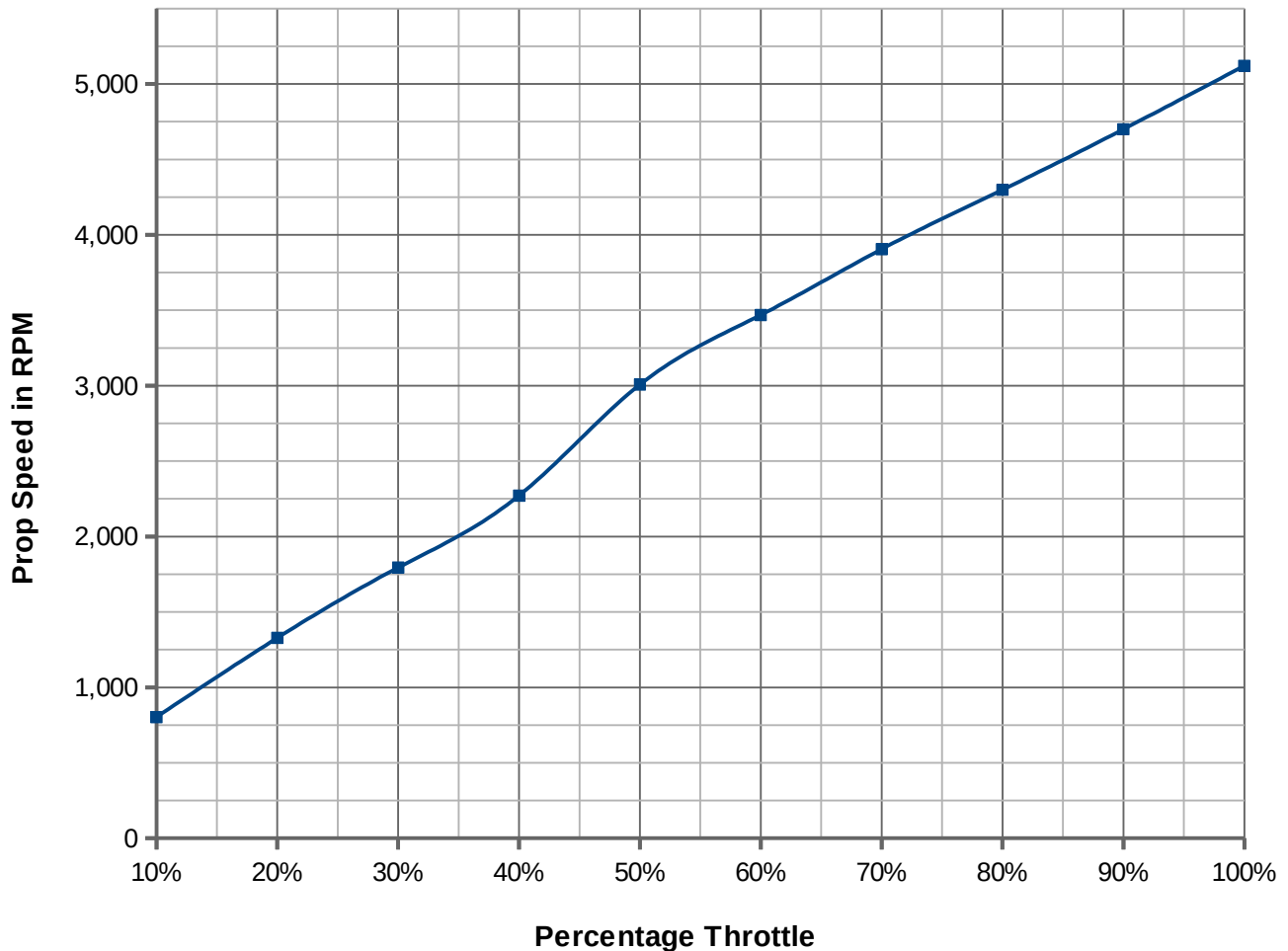
Motor Current vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	3.63	803	51.0	1.80	14.07
20%	0.52	9.60	1,328	160.9	5.67	16.76
30%	1.03	19.13	1,794	296.0	10.43	15.47
40%	1.93	35.69	2,271	494.8	17.44	13.87
50%	4.40	81.36	3,008	912.0	32.14	11.21
60%	6.56	121.34	3,469	1240.0	43.70	10.22
70%	9.45	174.90	3,905	1585.5	55.88	9.07
80%	12.74	235.67	4,299	1972.0	69.50	8.37
90%	16.96	313.80	4,700	2379.5	83.86	7.58
100%	22.04	407.80	5,121	2773.4	97.74	6.80

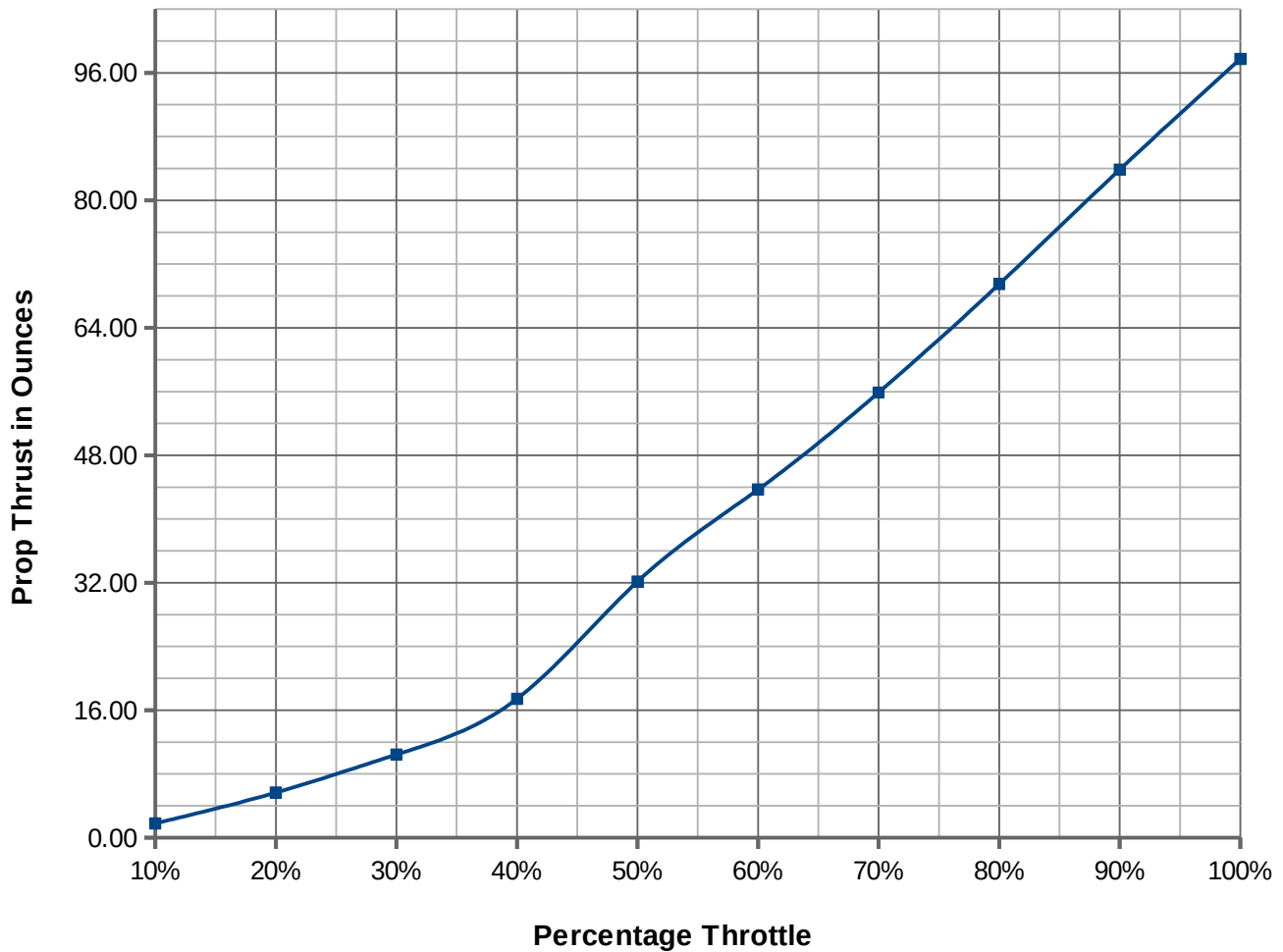
Propeller RPM vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	3.63	803	51.0	1.80	14.07
20%	0.52	9.60	1,328	160.9	5.67	16.76
30%	1.03	19.13	1,794	296.0	10.43	15.47
40%	1.93	35.69	2,271	494.8	17.44	13.87
50%	4.40	81.36	3,008	912.0	32.14	11.21
60%	6.56	121.34	3,469	1240.0	43.70	10.22
70%	9.45	174.90	3,905	1585.5	55.88	9.07
80%	12.74	235.67	4,299	1972.0	69.50	8.37
90%	16.96	313.80	4,700	2379.5	83.86	7.58
100%	22.04	407.80	5,121	2773.4	97.74	6.80

Propeller Thrust vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	3.63	803	51.0	1.80	14.07
20%	0.52	9.60	1,328	160.9	5.67	16.76
30%	1.03	19.13	1,794	296.0	10.43	15.47
40%	1.93	35.69	2,271	494.8	17.44	13.87
50%	4.40	81.36	3,008	912.0	32.14	11.21
60%	6.56	121.34	3,469	1240.0	43.70	10.22
70%	9.45	174.90	3,905	1585.5	55.88	9.07
80%	12.74	235.67	4,299	1972.0	69.50	8.37
90%	16.96	313.80	4,700	2379.5	83.86	7.58
100%	22.04	407.80	5,121	2773.4	97.74	6.80

Propeller Efficiency vs Throttle Position

