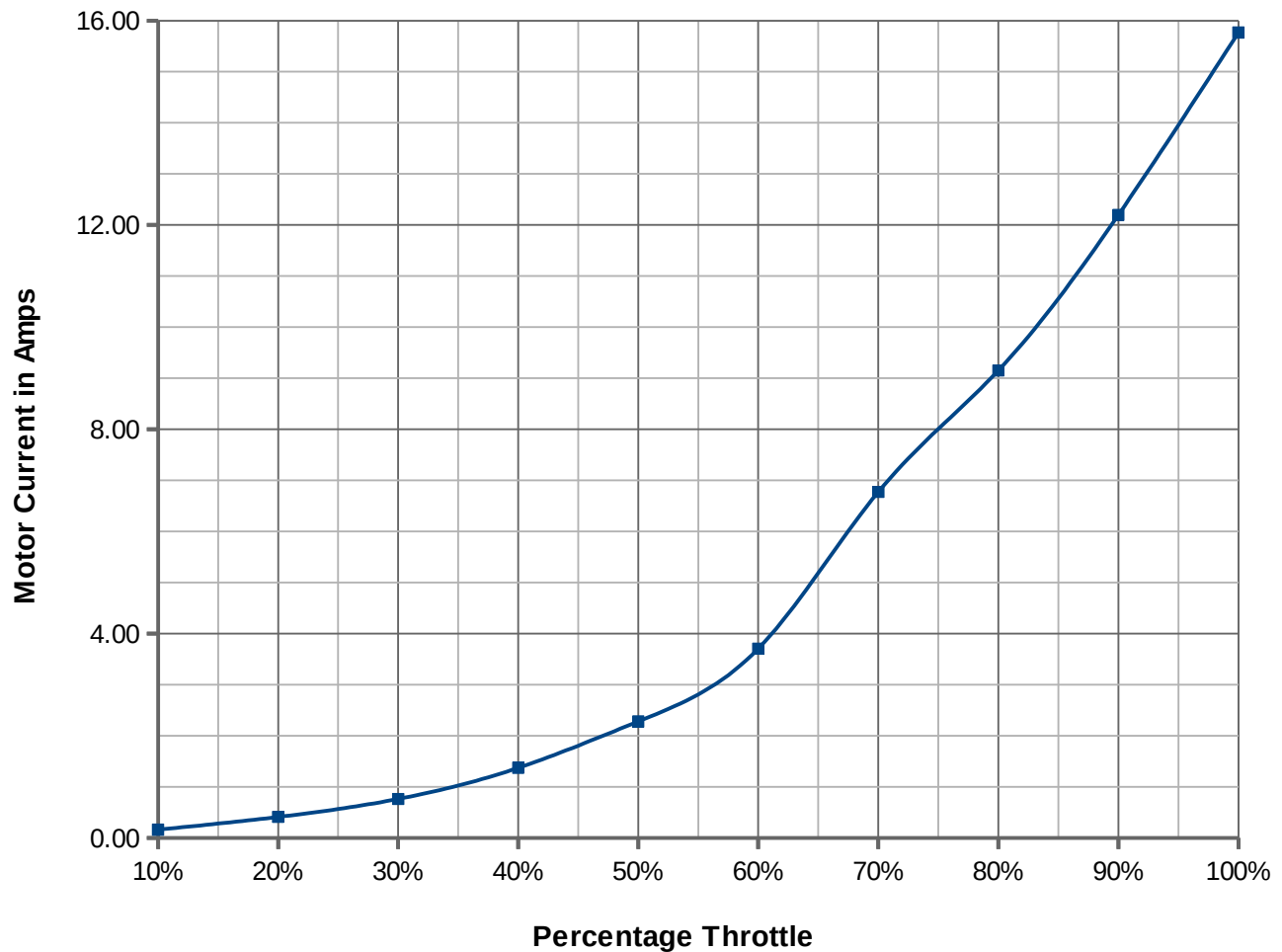


Scorpion M-4015-340Kv Motor Test Data

Data Collected at 14.8 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.38	650	34.9	1.23	14.65
20%	0.41	6.07	1,105	106.3	3.75	17.52
30%	0.76	11.28	1,470	189.1	6.66	16.77
40%	1.37	20.29	1,861	317.4	11.19	15.64
50%	2.28	33.74	2,262	482.6	17.01	14.30
60%	3.71	54.83	2,684	698.5	24.62	12.74
70%	6.77	100.23	3,280	1092.2	38.49	10.90
80%	9.15	135.43	3,629	1357.9	47.86	10.03
90%	12.20	180.52	3,983	1663.0	58.61	9.21
100%	15.77	233.35	4,329	1975.6	69.62	8.47

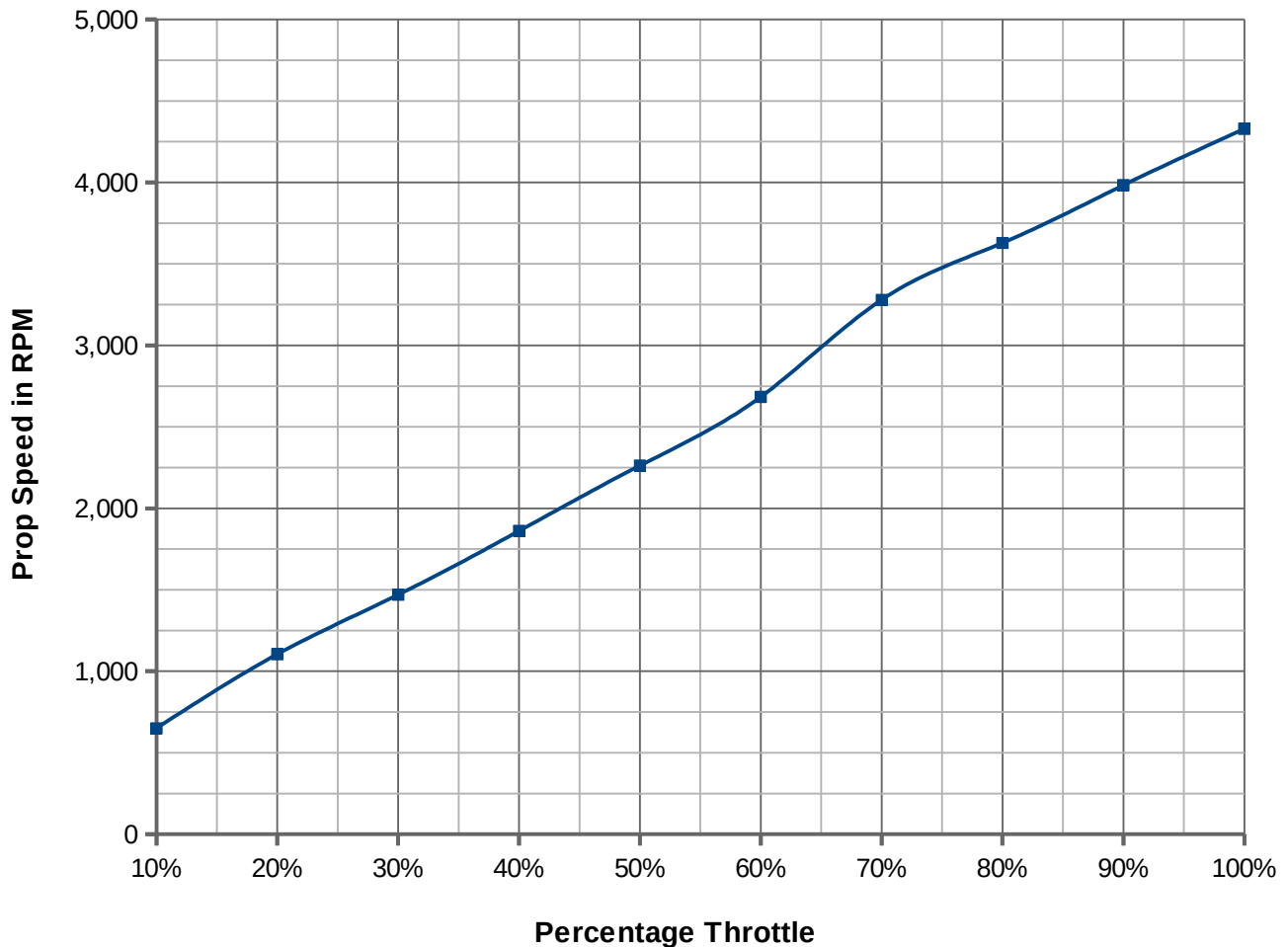
Motor Current vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 14.8 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.38	650	34.9	1.23	14.65
20%	0.41	6.07	1,105	106.3	3.75	17.52
30%	0.76	11.28	1,470	189.1	6.66	16.77
40%	1.37	20.29	1,861	317.4	11.19	15.64
50%	2.28	33.74	2,262	482.6	17.01	14.30
60%	3.71	54.83	2,684	698.5	24.62	12.74
70%	6.77	100.23	3,280	1092.2	38.49	10.90
80%	9.15	135.43	3,629	1357.9	47.86	10.03
90%	12.20	180.52	3,983	1663.0	58.61	9.21
100%	15.77	233.35	4,329	1975.6	69.62	8.47

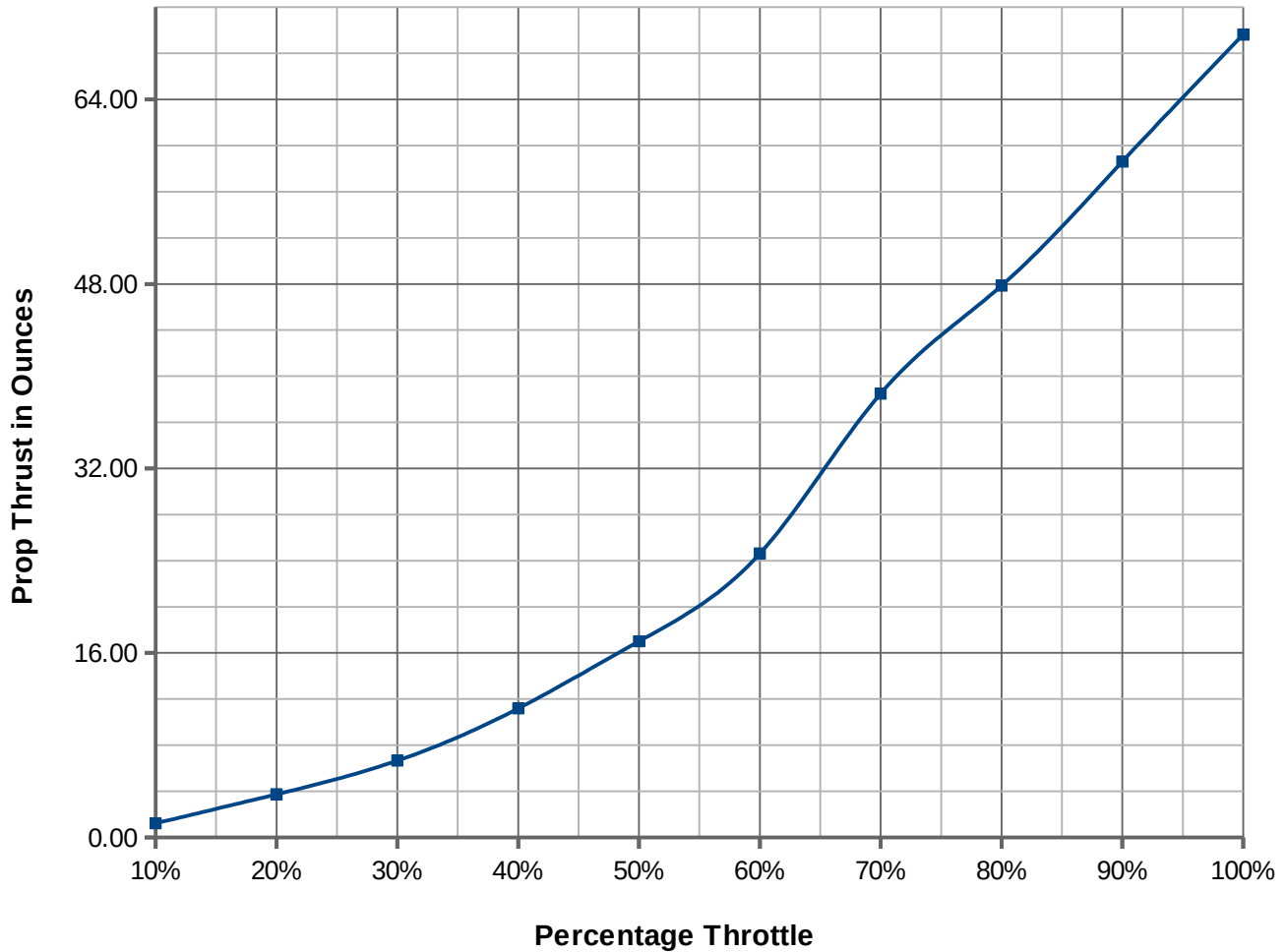
Propeller RPM vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 14.8 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.38	650	34.9	1.23	14.65
20%	0.41	6.07	1,105	106.3	3.75	17.52
30%	0.76	11.28	1,470	189.1	6.66	16.77
40%	1.37	20.29	1,861	317.4	11.19	15.64
50%	2.28	33.74	2,262	482.6	17.01	14.30
60%	3.71	54.83	2,684	698.5	24.62	12.74
70%	6.77	100.23	3,280	1092.2	38.49	10.90
80%	9.15	135.43	3,629	1357.9	47.86	10.03
90%	12.20	180.52	3,983	1663.0	58.61	9.21
100%	15.77	233.35	4,329	1975.6	69.62	8.47

Propeller Thrust vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 14.8 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.38	650	34.9	1.23	14.65
20%	0.41	6.07	1,105	106.3	3.75	17.52
30%	0.76	11.28	1,470	189.1	6.66	16.77
40%	1.37	20.29	1,861	317.4	11.19	15.64
50%	2.28	33.74	2,262	482.6	17.01	14.30
60%	3.71	54.83	2,684	698.5	24.62	12.74
70%	6.77	100.23	3,280	1092.2	38.49	10.90
80%	9.15	135.43	3,629	1357.9	47.86	10.03
90%	12.20	180.52	3,983	1663.0	58.61	9.21
100%	15.77	233.35	4,329	1975.6	69.62	8.47

Propeller Efficiency vs Throttle Position

