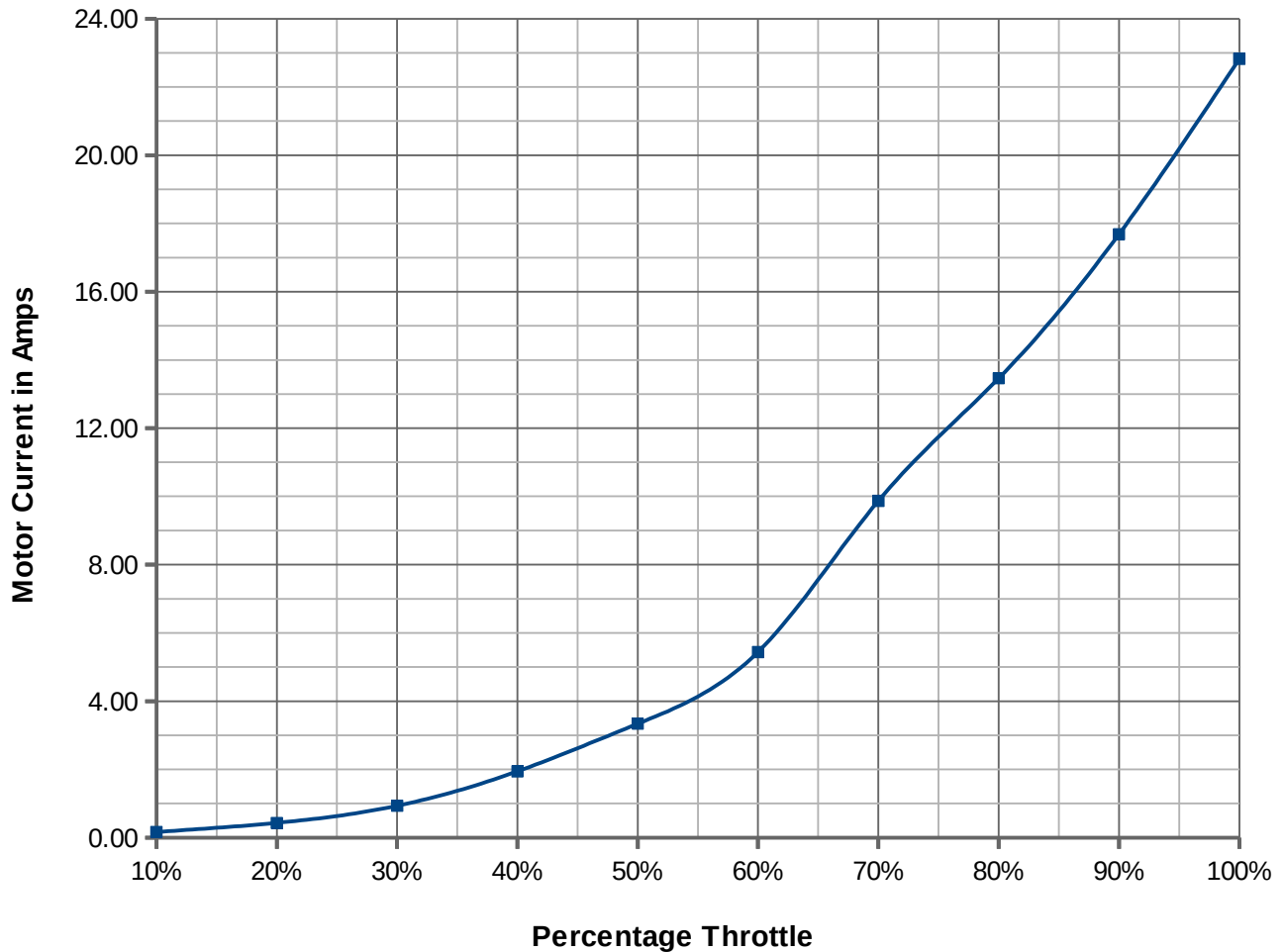


Scorpion M-4015-340Kv Motor Test Data

Data Collected at 14.8 volts with RCT 18x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	2.49	588	51.8	1.83	20.83
20%	0.43	6.41	971	121.9	4.30	19.02
30%	0.93	13.82	1,358	232.3	8.19	16.81
40%	1.94	28.77	1,789	417.9	14.73	14.52
50%	3.34	49.42	2,151	611.2	21.54	12.37
60%	5.44	80.51	2,503	865.4	30.50	10.75
70%	9.87	146.06	2,997	1293.4	45.58	8.86
80%	13.46	199.22	3,294	1578.0	55.61	7.92
90%	17.69	261.74	3,563	1847.7	65.12	7.06
100%	22.82	337.78	3,833	2150.0	75.77	6.37

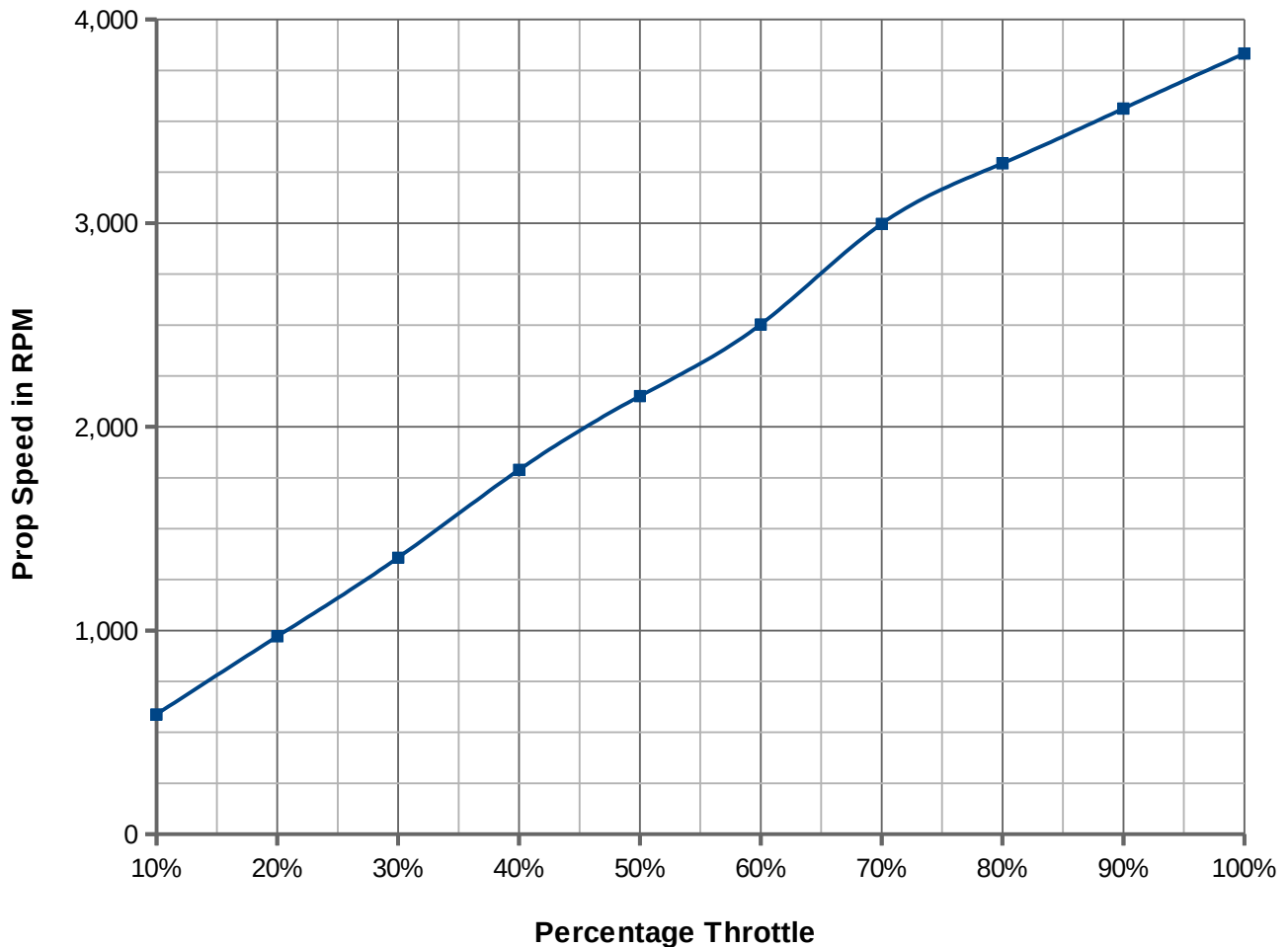
Motor Current vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 14.8 volts with RCT 18x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	2.49	588	51.8	1.83	20.83
20%	0.43	6.41	971	121.9	4.30	19.02
30%	0.93	13.82	1,358	232.3	8.19	16.81
40%	1.94	28.77	1,789	417.9	14.73	14.52
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100%	22.82	337.78	3,833	2150.0	75.77	6.37

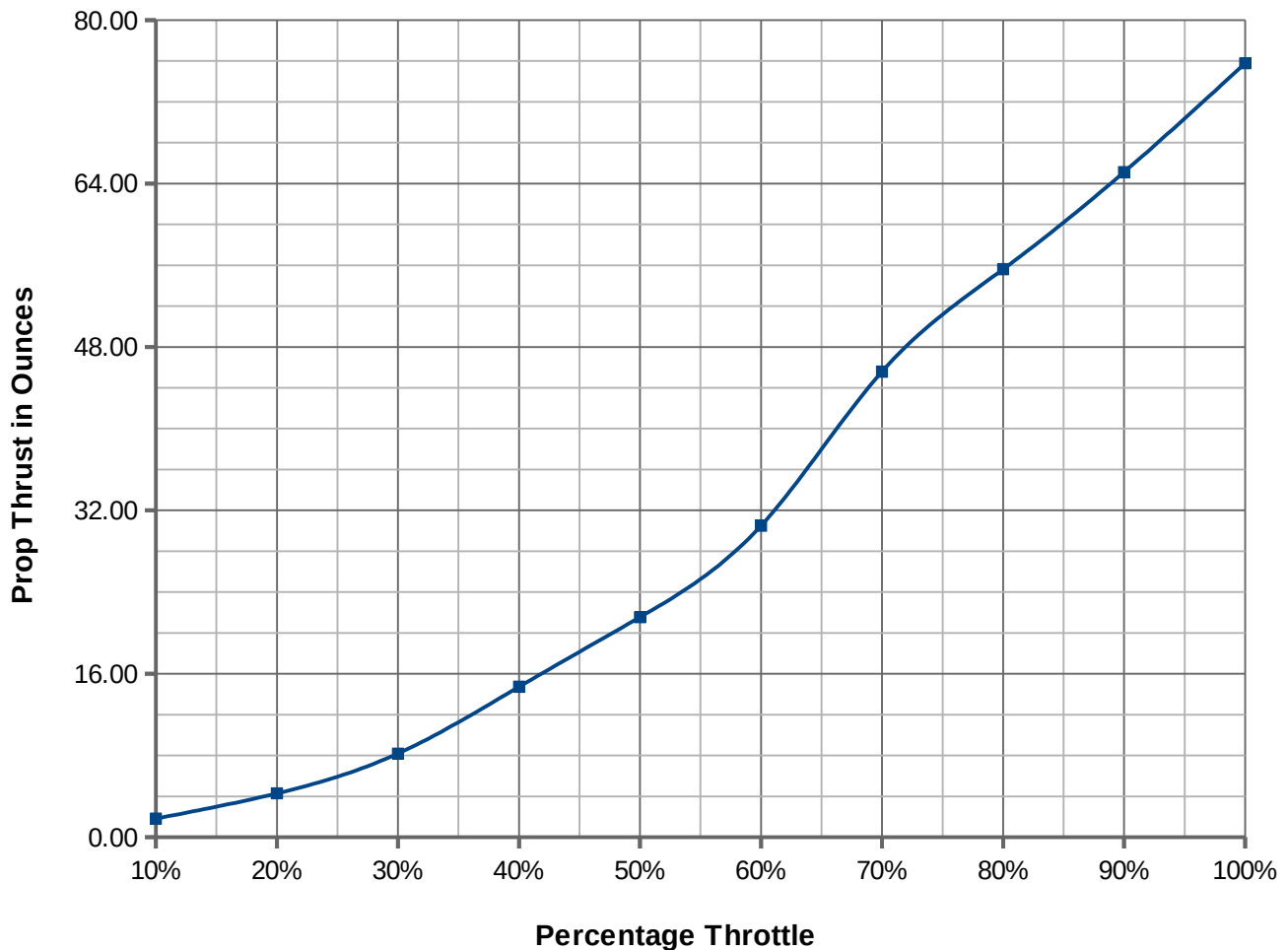
Propeller RPM vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 14.8 volts with RCT 18x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	2.49	588	51.8	1.83	20.83
20%	0.43	6.41	971	121.9	4.30	19.02
30%	0.93	13.82	1,358	232.3	8.19	16.81
40%	1.94	28.77	1,789	417.9	14.73	14.52
50%	3.34	49.42	2,151	611.2	21.54	12.37
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70%	9.87	146.06	2,997	1293.4	45.58	8.86
80%	13.46	199.22	3,294	1578.0	55.61	7.92
90%	17.69	261.74	3,563	1847.7	65.12	7.06
100%	22.82	337.78	3,833	2150.0	75.77	6.37

Propeller Thrust vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 14.8 volts with RCT 18x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	2.49	588	51.8	1.83	20.83
20%	0.43	6.41	971	121.9	4.30	19.02
30%	0.93	13.82	1,358	232.3	8.19	16.81
40%	1.94	28.77	1,789	417.9	14.73	14.52
50%	3.34	49.42	2,151	611.2	21.54	12.37
60%	5.44	80.51	2,503	865.4	30.50	10.75
70%	9.87	146.06	2,997	1293.4	45.58	8.86
80%	13.46	199.22	3,294	1578.0	55.61	7.92
90%	17.69	261.74	3,563	1847.7	65.12	7.06
100%	22.82	337.78	3,833	2150.0	75.77	6.37

Propeller Efficiency vs Throttle Position

