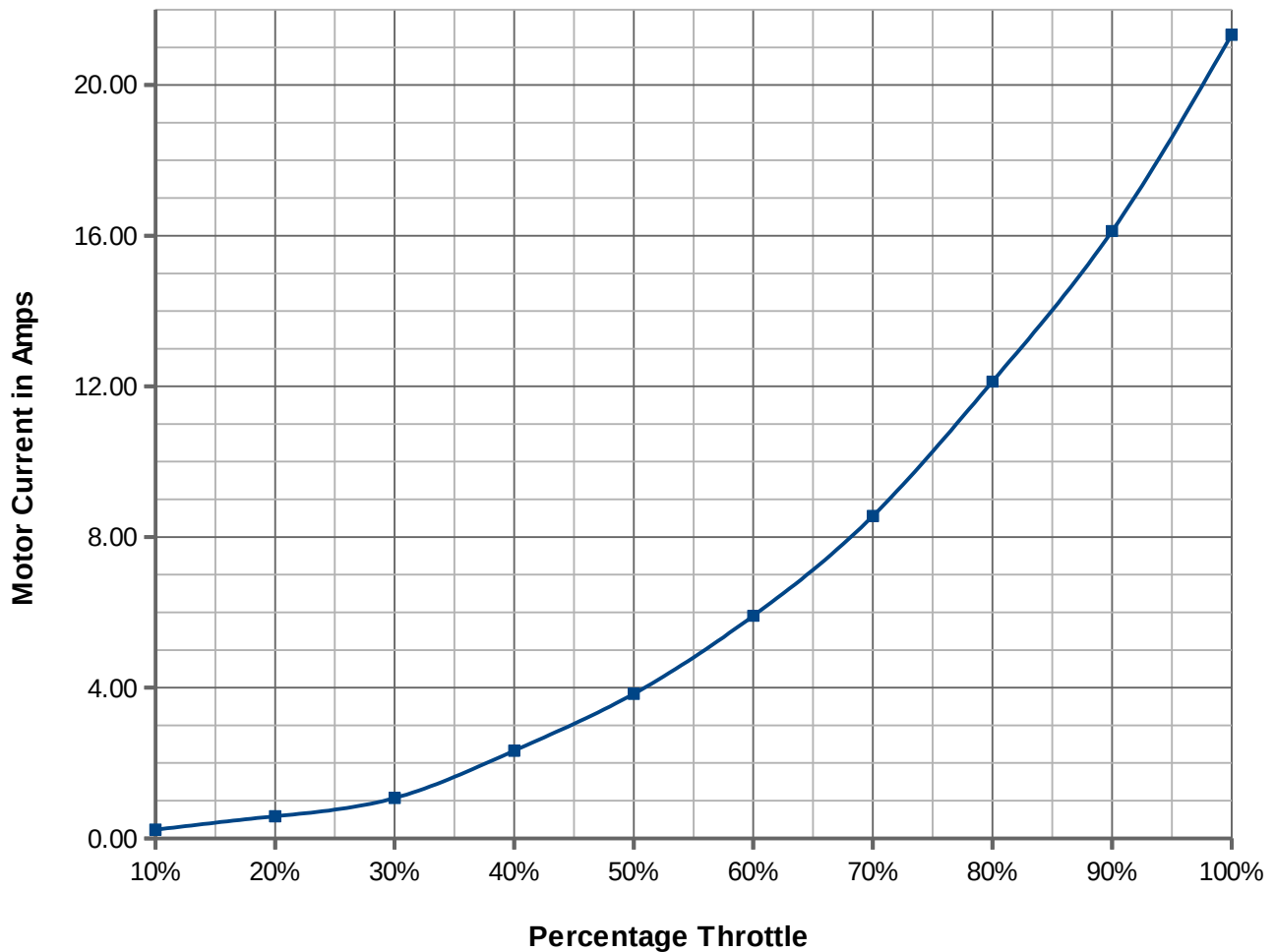


# Scorpion M-4015-340Kv Motor Test Data

Data Collected at 22.2 volts with RCT 14x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	5.11	1,163	66.1	2.33	12.95
20%	0.59	13.05	1,837	168.5	5.94	12.91
30%	1.07	23.78	2,342	279.7	9.86	11.76
40%	2.33	51.68	3,122	502.0	17.69	9.71
50%	3.84	85.18	3,742	738.2	26.02	8.67
60%	5.91	131.18	4,306	1020.6	35.97	7.78
70%	8.56	189.99	4,852	1303.8	45.95	6.86
80%	12.13	269.24	5,386	1659.5	58.48	6.16
90%	16.12	357.95	5,859	1990.2	70.14	5.56
100%	21.34	473.64	6,353	2361.3	83.22	4.99

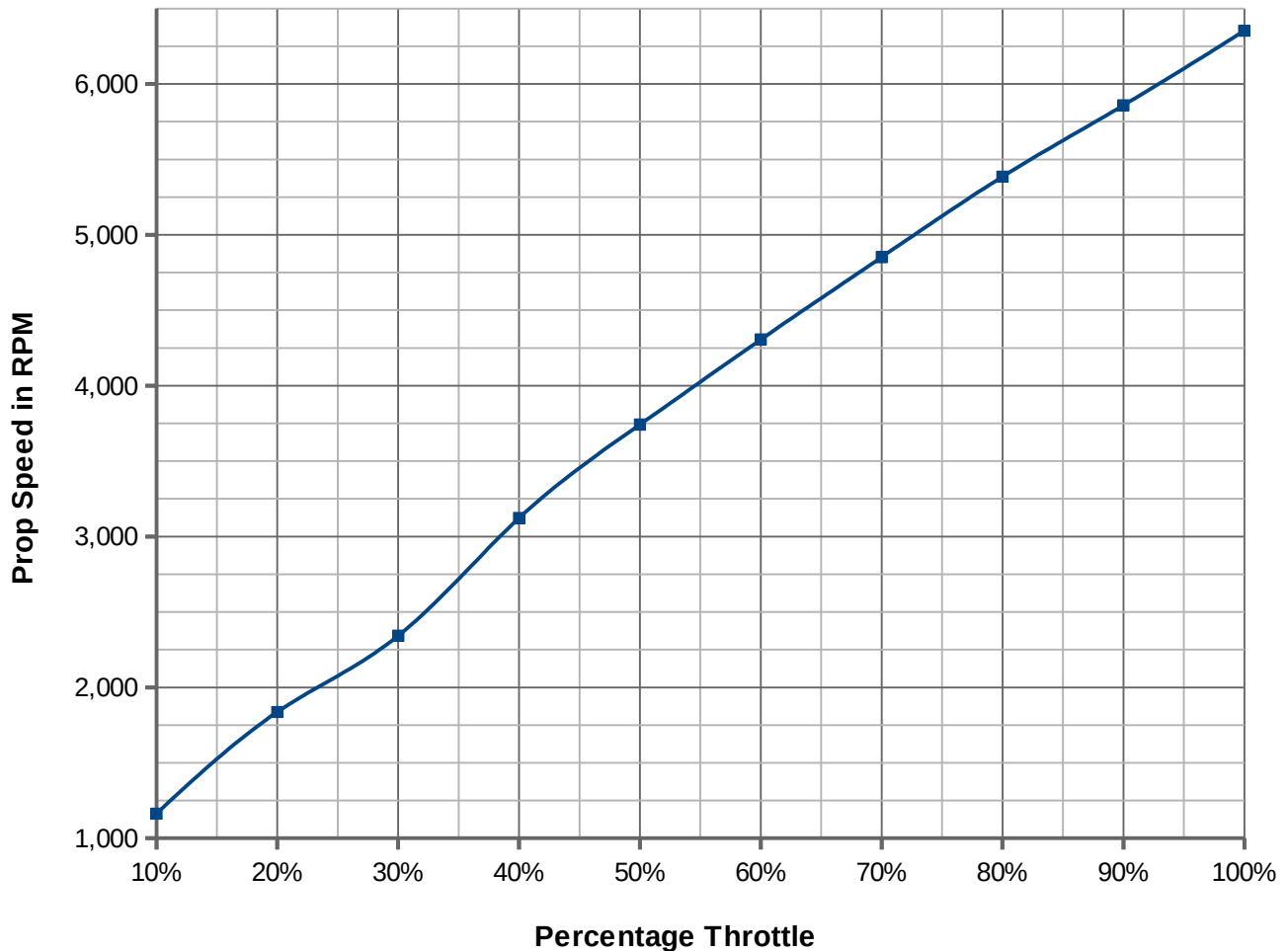
## Motor Current vs Throttle Position



# Scorpion M-4015-340Kv Motor Test Data

Data Collected at 22.2 volts with RCT 14x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	5.11	1,163	66.1	2.33	12.95
20%	0.59	13.05	1,837	168.5	5.94	12.91
30%	1.07	23.78	2,342	279.7	9.86	11.76
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100%	21.34	473.64	6,353	2361.3	83.22	4.99

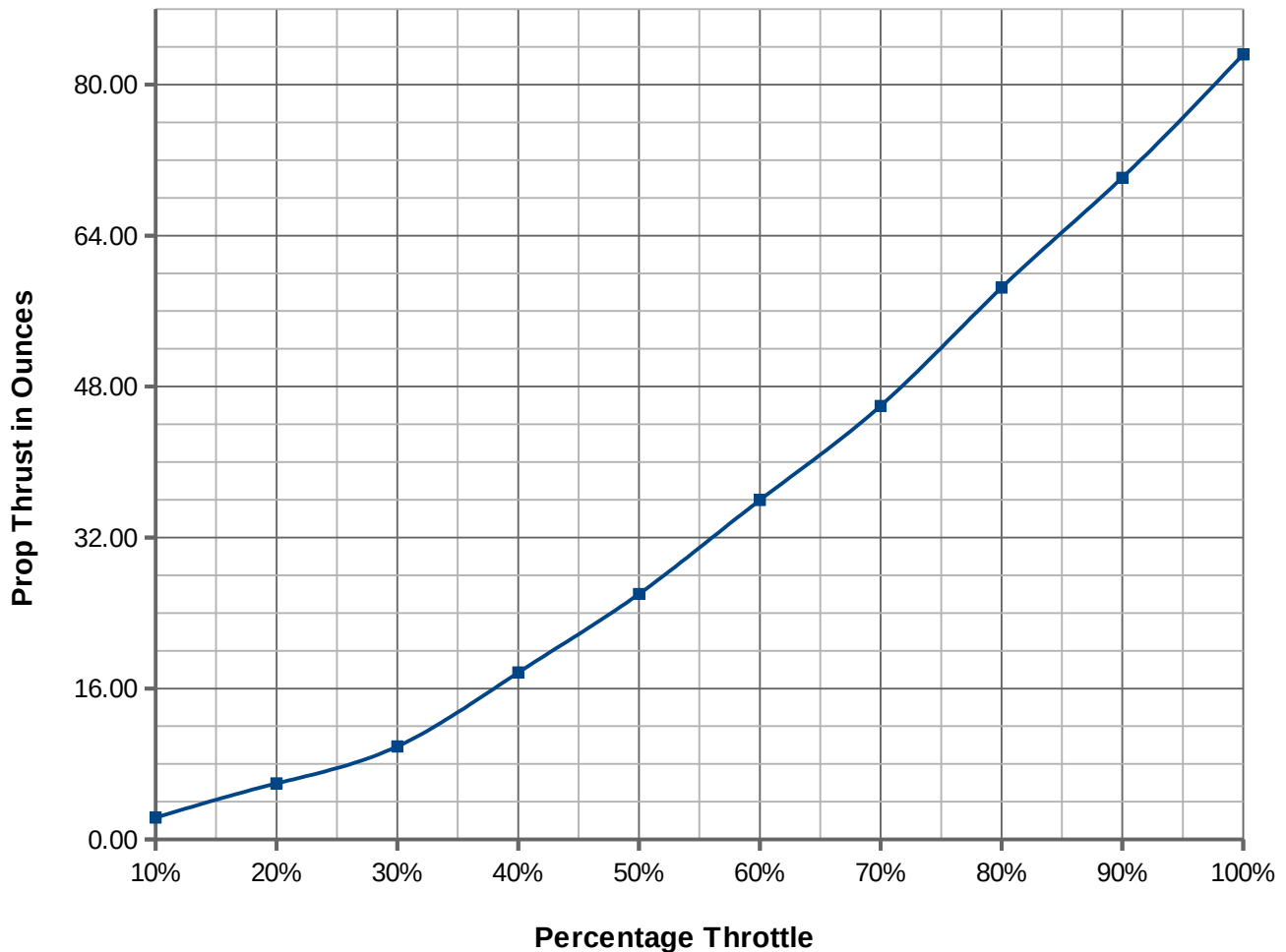
## Propeller RPM vs Throttle Position



# Scorpion M-4015-340Kv Motor Test Data

Data Collected at 22.2 volts with RCT 14x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	5.11	1,163	66.1	2.33	12.95
20%	0.59	13.05	1,837	168.5	5.94	12.91
30%	1.07	23.78	2,342	279.7	9.86	11.76
40%	2.33	51.68	3,122	502.0	17.69	9.71
50%	3.84	85.18	3,742	738.2	26.02	8.67
60%	5.91	131.18	4,306	1020.6	35.97	7.78
70%	8.56	189.99	4,852	1303.8	45.95	6.86
80%	12.13	269.24	5,386	1659.5	58.48	6.16
90%	16.12	357.95	5,859	1990.2	70.14	5.56
100%	21.34	473.64	6,353	2361.3	83.22	4.99

## Propeller Thrust vs Throttle Position



# Scorpion M-4015-340Kv Motor Test Data

Data Collected at 22.2 volts with RCT 14x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	5.11	1,163	66.1	2.33	12.95
20%	0.59	13.05	1,837	168.5	5.94	12.91
30%	1.07	23.78	2,342	279.7	9.86	11.76
40%	2.33	51.68	3,122	502.0	17.69	9.71
50%	3.84	85.18	3,742	738.2	26.02	8.67
60%	5.91	131.18	4,306	1020.6	35.97	7.78
70%	8.56	189.99	4,852	1303.8	45.95	6.86
80%	12.13	269.24	5,386	1659.5	58.48	6.16
90%	16.12	357.95	5,859	1990.2	70.14	5.56
100%	21.34	473.64	6,353	2361.3	83.22	4.99

## Propeller Efficiency vs Throttle Position

