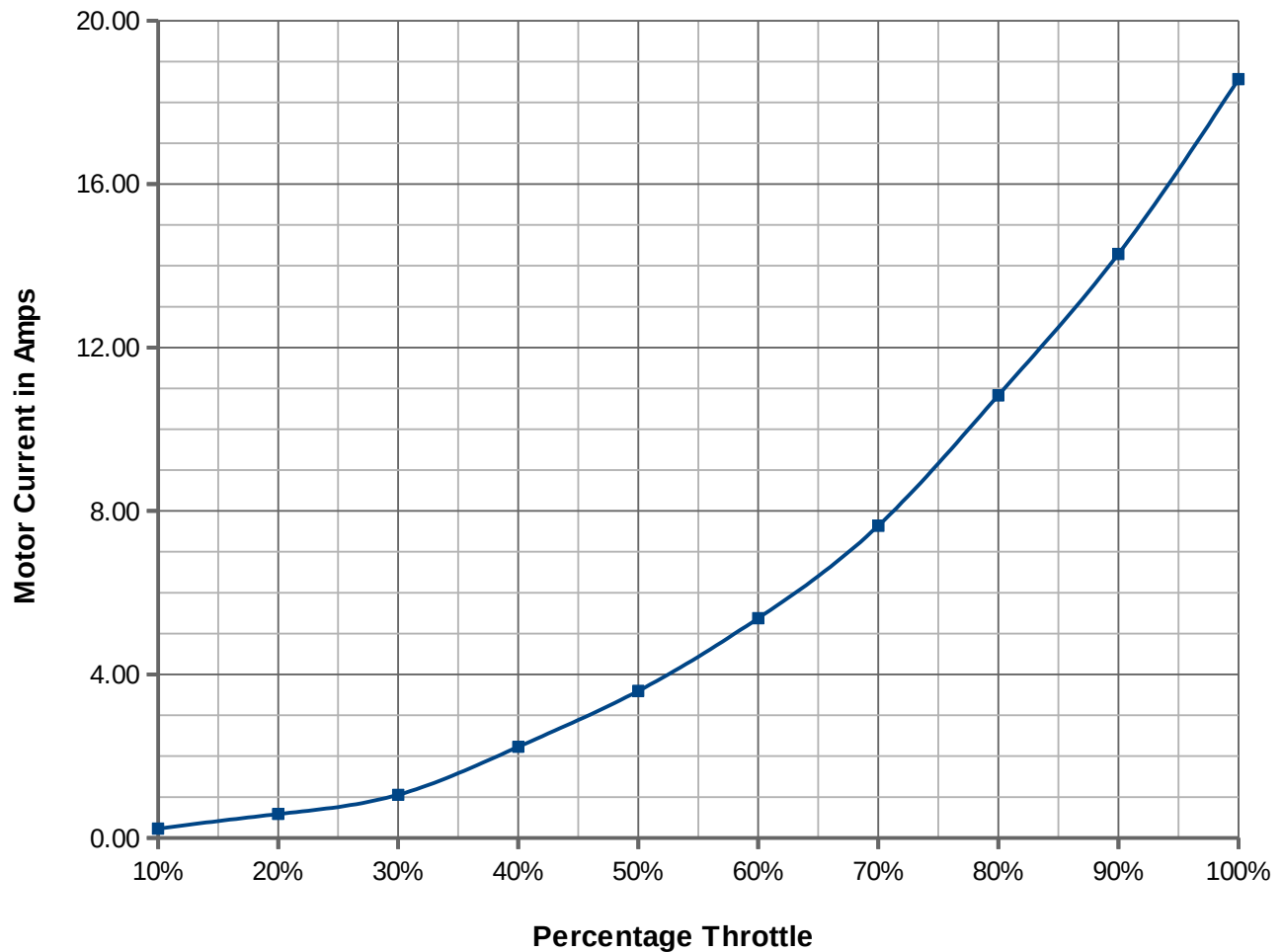


# Scorpion M-4015-340Kv Motor Test Data

Data Collected at 22.2 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	5.02	1,150	64.7	2.28	12.90
20%	0.58	12.94	1,858	163.6	5.77	12.64
30%	1.06	23.42	2,377	275.6	9.71	11.77
40%	2.23	49.46	3,146	513.8	18.11	10.39
50%	3.60	79.81	3,771	777.6	27.40	9.74
60%	5.38	119.35	4,361	1066.5	37.59	8.94
70%	7.64	169.59	4,933	1374.2	48.43	8.10
80%	10.83	240.43	5,520	1762.3	62.11	7.33
90%	14.29	317.26	6,050	2160.4	76.14	6.81
100%	18.57	412.19	6,575	2588.4	91.22	6.28

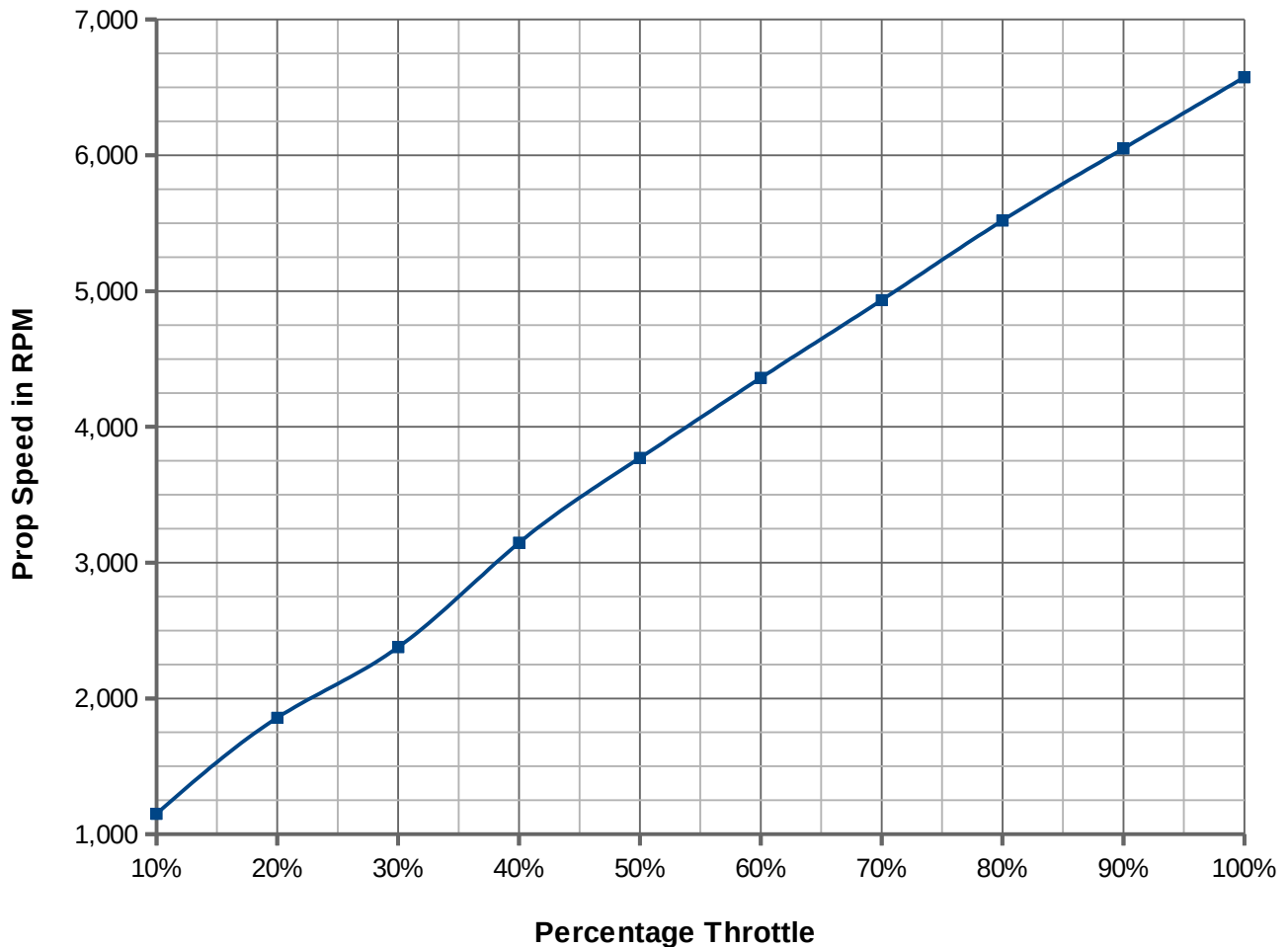
## Motor Current vs Throttle Position



# Scorpion M-4015-340Kv Motor Test Data

Data Collected at 22.2 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	5.02	1,150	64.7	2.28	12.90
20%	0.58	12.94	1,858	163.6	5.77	12.64
30%	1.06	23.42	2,377	275.6	9.71	11.77
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90%	14.29	317.26	6,050	2160.4	76.14	6.81
100%	18.57	412.19	6,575	2588.4	91.22	6.28

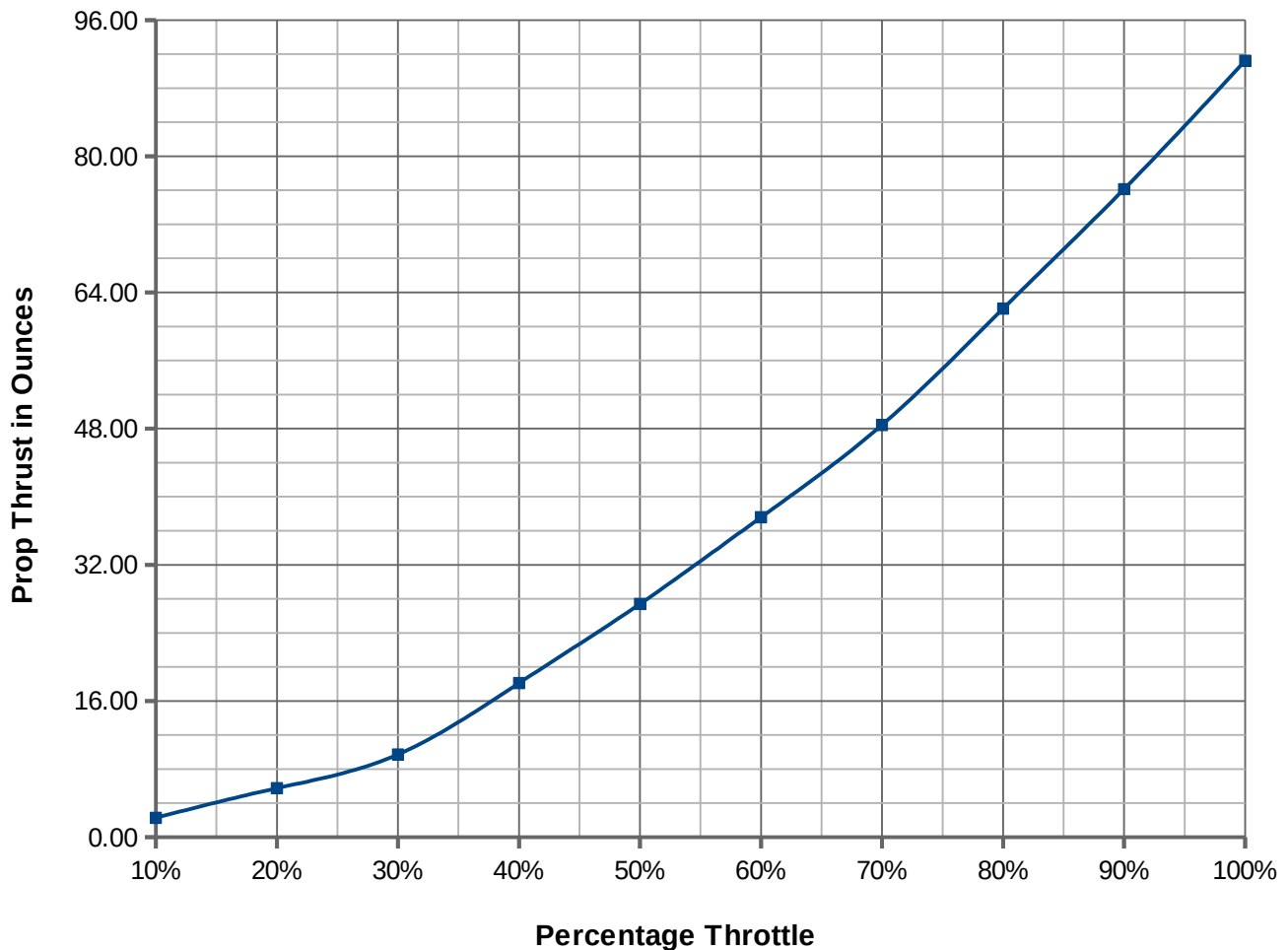
## Propeller RPM vs Throttle Position



# Scorpion M-4015-340Kv Motor Test Data

Data Collected at 22.2 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	5.02	1,150	64.7	2.28	12.90
20%	0.58	12.94	1,858	163.6	5.77	12.64
30%	1.06	23.42	2,377	275.6	9.71	11.77
40%	2.23	49.46	3,146	513.8	18.11	10.39
50%	3.60	79.81	3,771	777.6	27.40	9.74
60%	5.38	119.35	4,361	1066.5	37.59	8.94
70%	7.64	169.59	4,933	1374.2	48.43	8.10
80%	10.83	240.43	5,520	1762.3	62.11	7.33
90%	14.29	317.26	6,050	2160.4	76.14	6.81
100%	18.57	412.19	6,575	2588.4	91.22	6.28

## Propeller Thrust vs Throttle Position



# Scorpion M-4015-340Kv Motor Test Data

Data Collected at 22.2 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	5.02	1,150	64.7	2.28	12.90
20%	0.58	12.94	1,858	163.6	5.77	12.64
30%	1.06	23.42	2,377	275.6	9.71	11.77
40%	2.23	49.46	3,146	513.8	18.11	10.39
50%	3.60	79.81	3,771	777.6	27.40	9.74
60%	5.38	119.35	4,361	1066.5	37.59	8.94
70%	7.64	169.59	4,933	1374.2	48.43	8.10
80%	10.83	240.43	5,520	1762.3	62.11	7.33
90%	14.29	317.26	6,050	2160.4	76.14	6.81
100%	18.57	412.19	6,575	2588.4	91.22	6.28

## Propeller Efficiency vs Throttle Position

