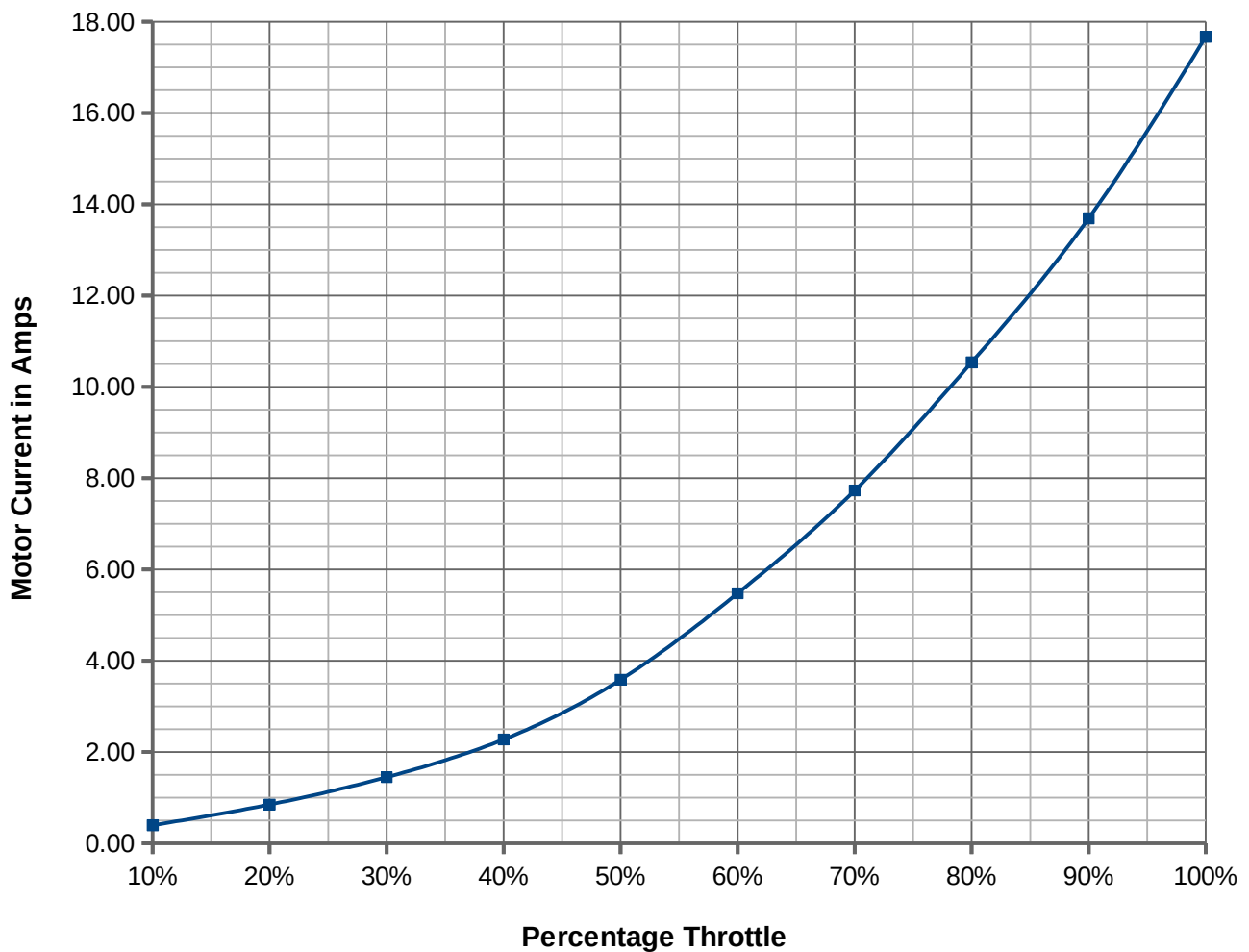


Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 11.1 volts with APC 5.5x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	4.38	3,945	25.4	0.90	5.79
20%	0.85	9.41	5,858	51.7	1.82	5.49
30%	1.45	16.07	7,555	84.1	2.96	5.23
40%	2.28	25.25	9,089	124.7	4.39	4.94
50%	3.58	39.78	10,837	174.0	6.13	4.37
60%	5.48	60.78	12,576	232.7	8.20	3.83
70%	7.73	85.78	14,123	294.0	10.36	3.43
80%	10.54	116.96	15,611	362.5	12.78	3.10
90%	13.69	152.00	17,008	424.9	14.97	2.80
100%	17.67	196.15	18,339	497.4	17.53	2.54

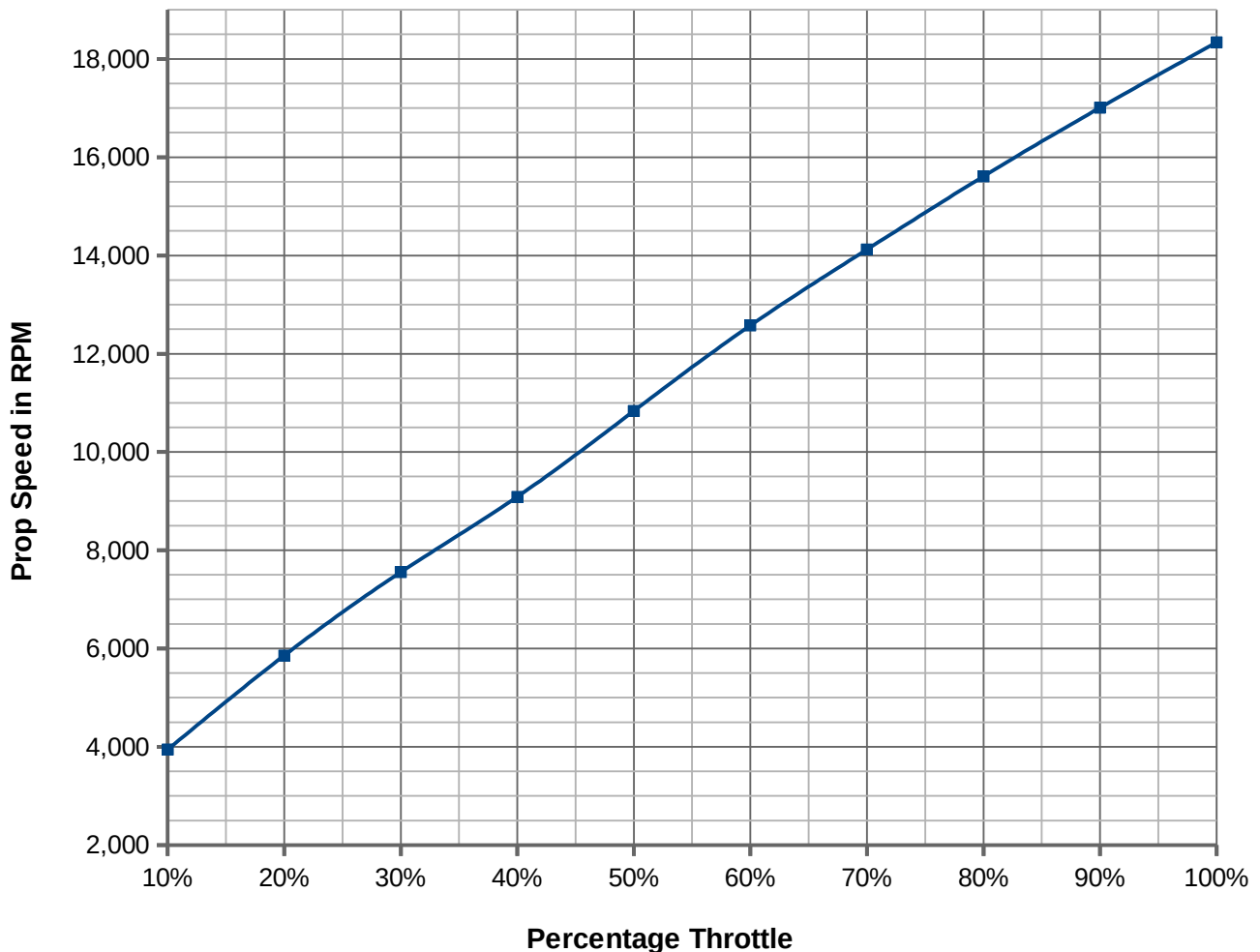
Motor Current vs Throttle Position



Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 11.1 volts with APC 5.5x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	4.38	3,945	25.4	0.90	5.79
20%	0.85	9.41	5,858	51.7	1.82	5.49
30%	1.45	16.07	7,555	84.1	2.96	5.23
40%	2.28	25.25	9,089	124.7	4.39	4.94
50%	3.58	39.78	10,837	174.0	6.13	4.37
60%	5.48	60.78	12,576	232.7	8.20	3.83
70%	7.73	85.78	14,123	294.0	10.36	3.43
80%	10.54	116.96	15,611	362.5	12.78	3.10
90%	13.69	152.00	17,008	424.9	14.97	2.80
100%	17.67	196.15	18,339	497.4	17.53	2.54

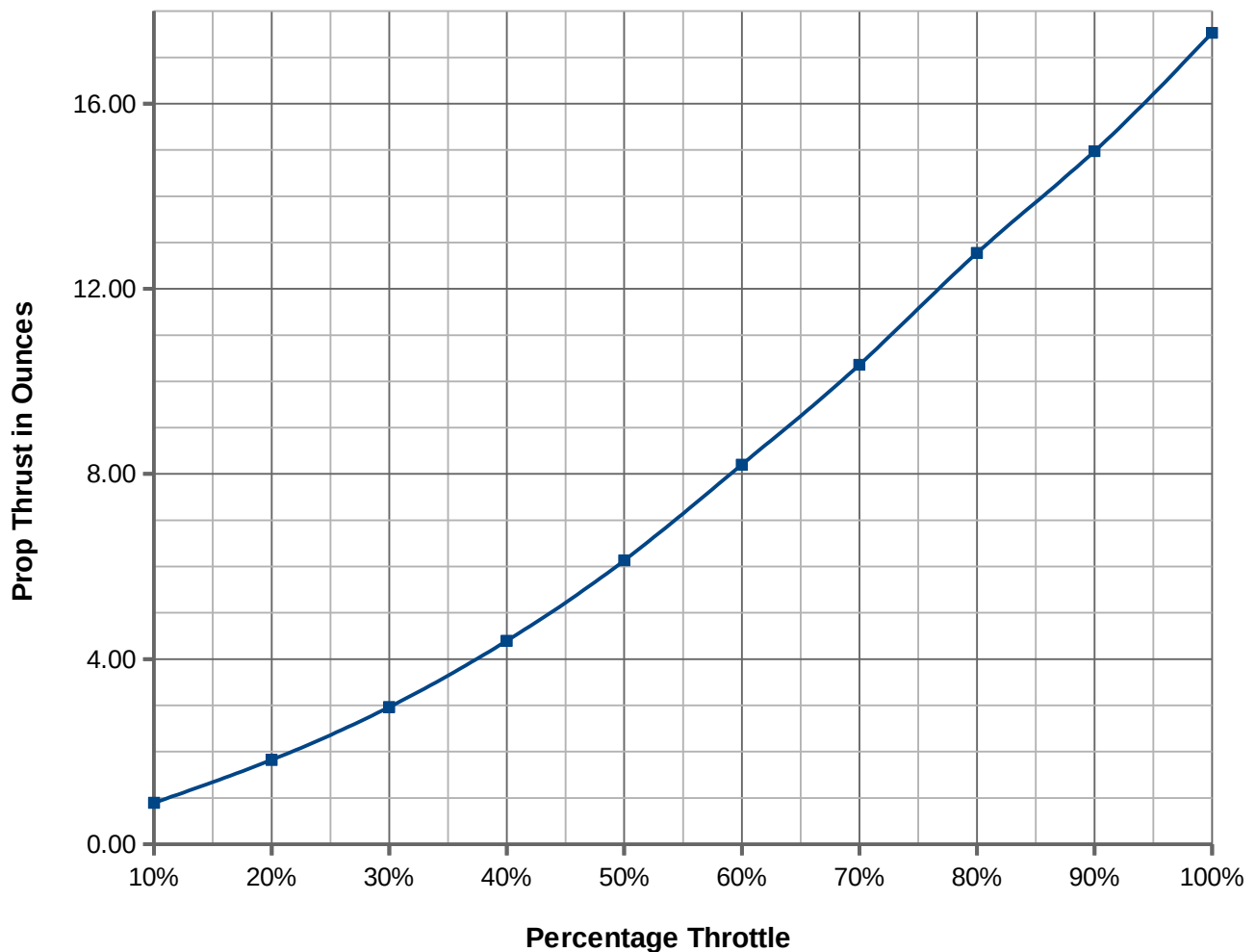
Propeller RPM vs Throttle Position



Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 11.1 volts with APC 5.5x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	4.38	3,945	25.4	0.90	5.79
20%	0.85	9.41	5,858	51.7	1.82	5.49
30%	1.45	16.07	7,555	84.1	2.96	5.23
40%	2.28	25.25	9,089	124.7	4.39	4.94
50%	3.58	39.78	10,837	174.0	6.13	4.37
60%	5.48	60.78	12,576	232.7	8.20	3.83
70%	7.73	85.78	14,123	294.0	10.36	3.43
80%	10.54	116.96	15,611	362.5	12.78	3.10
90%	13.69	152.00	17,008	424.9	14.97	2.80
100%	17.67	196.15	18,339	497.4	17.53	2.54

Propeller Thrust vs Throttle Position



Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 11.1 volts with APC 5.5x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	4.38	3,945	25.4	0.90	5.79
20%	0.85	9.41	5,858	51.7	1.82	5.49
30%	1.45	16.07	7,555	84.1	2.96	5.23
40%	2.28	25.25	9,089	124.7	4.39	4.94
50%	3.58	39.78	10,837	174.0	6.13	4.37
60%	5.48	60.78	12,576	232.7	8.20	3.83
70%	7.73	85.78	14,123	294.0	10.36	3.43
80%	10.54	116.96	15,611	362.5	12.78	3.10
90%	13.69	152.00	17,008	424.9	14.97	2.80
100%	17.67	196.15	18,339	497.4	17.53	2.54

Propeller Efficiency vs Throttle Position

