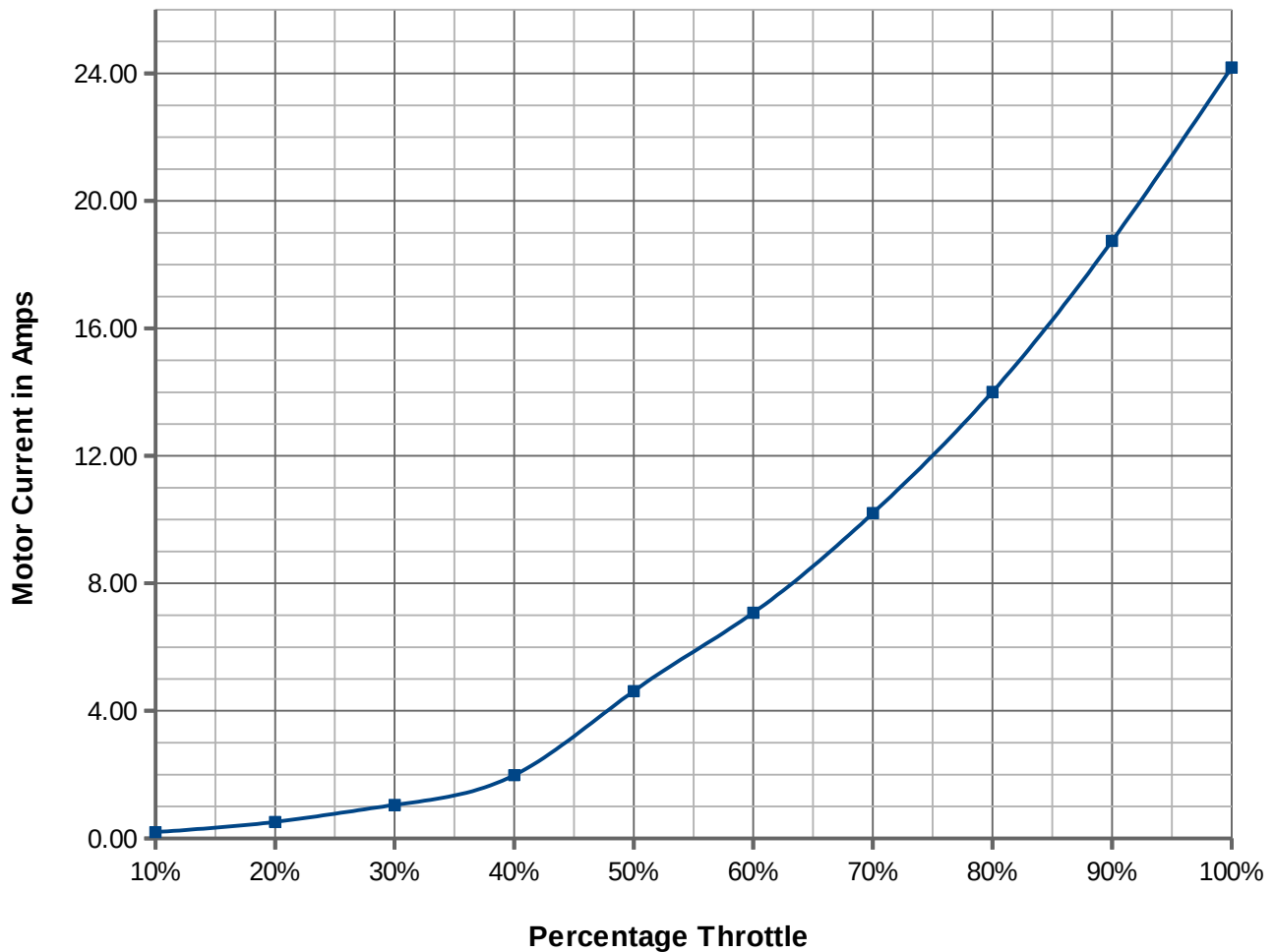


Scorpion M-4015-340Kv Motor Test Data

Data Collected at 18.5 volts with RCT 16x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	3.64	825	66.3	2.34	18.19
20%	0.52	9.56	1,334	152.3	5.37	15.92
30%	1.05	19.41	1,789	274.4	9.67	14.14
40%	1.98	36.67	2,263	446.1	15.72	12.17
50%	4.62	85.53	2,982	829.9	29.25	9.70
60%	7.08	130.94	3,429	1112.8	39.22	8.50
70%	10.20	188.76	3,842	1406.5	49.57	7.45
80%	14.01	259.13	4,198	1747.1	61.57	6.74
90%	18.75	346.80	4,571	2063.3	72.72	5.95
100%	24.19	447.48	4,904	2399.7	84.57	5.36

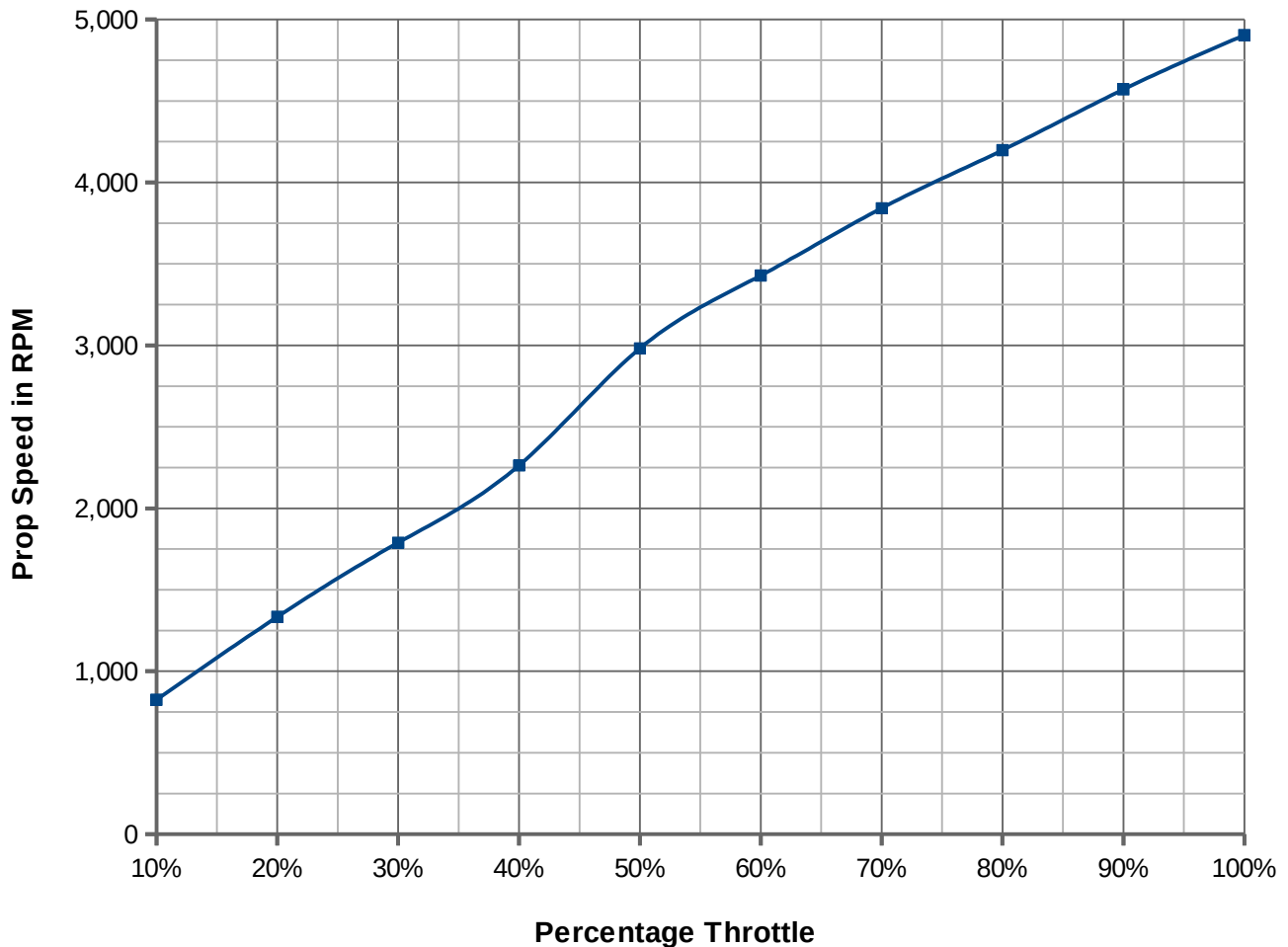
Motor Current vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 18.5 volts with RCT 16x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	3.64	825	66.3	2.34	18.19
20%	0.52	9.56	1,334	152.3	5.37	15.92
30%	1.05	19.41	1,789	274.4	9.67	14.14
40%	1.98	36.67	2,263	446.1	15.72	12.17
50%	4.62	85.53	2,982	829.9	29.25	9.70
60%	7.08	130.94	3,429	1112.8	39.22	8.50
70%	10.20	188.76	3,842	1406.5	49.57	7.45
80%	14.01	259.13	4,198	1747.1	61.57	6.74
90%	18.75	346.80	4,571	2063.3	72.72	5.95
100%	24.19	447.48	4,904	2399.7	84.57	5.36

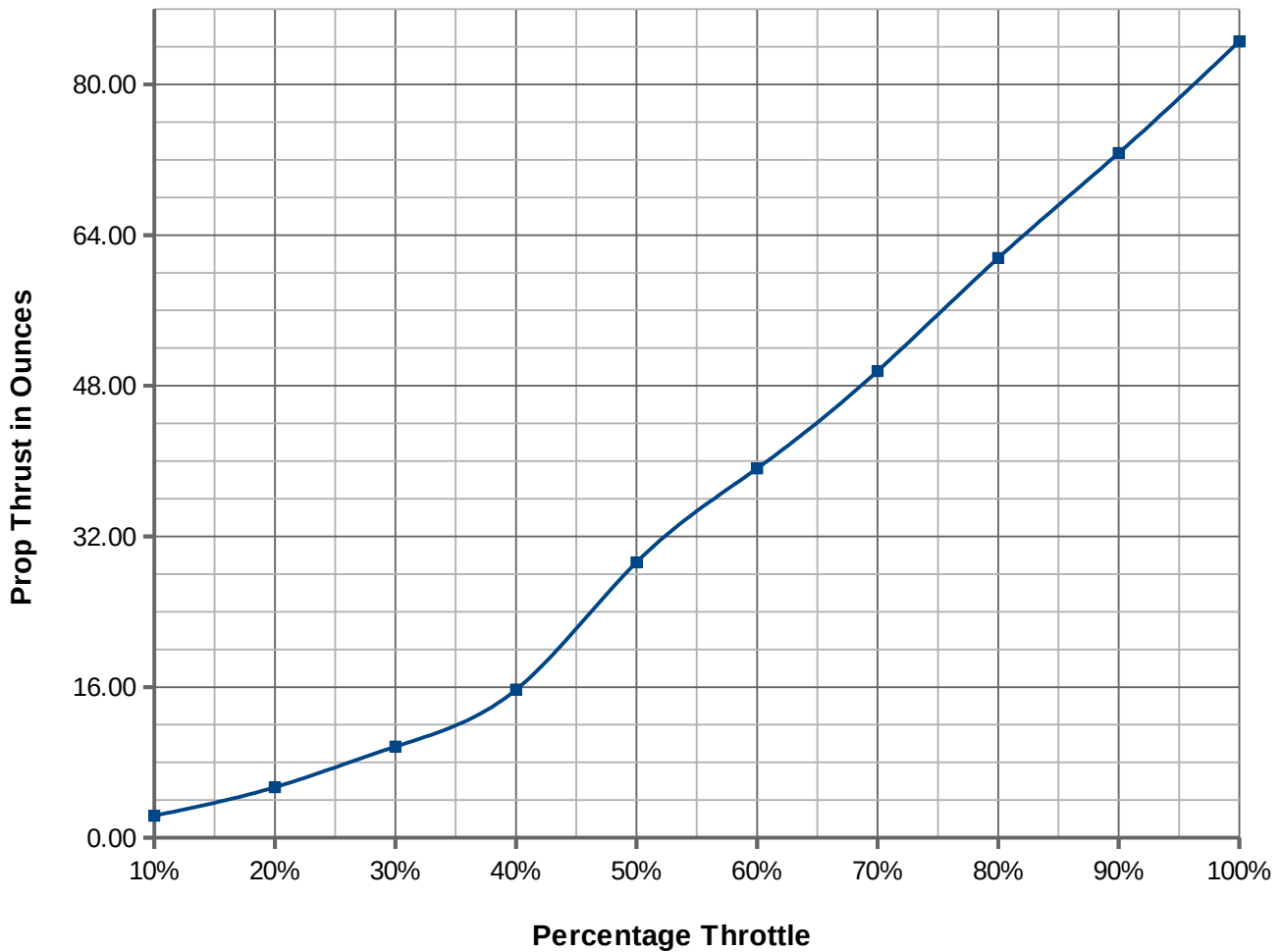
Propeller RPM vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 18.5 volts with RCT 16x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	3.64	825	66.3	2.34	18.19
20%	0.52	9.56	1,334	152.3	5.37	15.92
30%	1.05	19.41	1,789	274.4	9.67	14.14
40%	1.98	36.67	2,263	446.1	15.72	12.17
50%	4.62	85.53	2,982	829.9	29.25	9.70
60%	7.08	130.94	3,429	1112.8	39.22	8.50
70%	10.20	188.76	3,842	1406.5	49.57	7.45
80%	14.01	259.13	4,198	1747.1	61.57	6.74
90%	18.75	346.80	4,571	2063.3	72.72	5.95
100%	24.19	447.48	4,904	2399.7	84.57	5.36

Propeller Thrust vs Throttle Position



Scorpion M-4015-340Kv Motor Test Data

Data Collected at 18.5 volts with RCT 16x5.5-CF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	3.64	825	66.3	2.34	18.19
20%	0.52	9.56	1,334	152.3	5.37	15.92
30%	1.05	19.41	1,789	274.4	9.67	14.14
40%	1.98	36.67	2,263	446.1	15.72	12.17
50%	4.62	85.53	2,982	829.9	29.25	9.70
60%	7.08	130.94	3,429	1112.8	39.22	8.50
70%	10.20	188.76	3,842	1406.5	49.57	7.45
80%	14.01	259.13	4,198	1747.1	61.57	6.74
90%	18.75	346.80	4,571	2063.3	72.72	5.95
100%	24.19	447.48	4,904	2399.7	84.57	5.36

Propeller Efficiency vs Throttle Position

