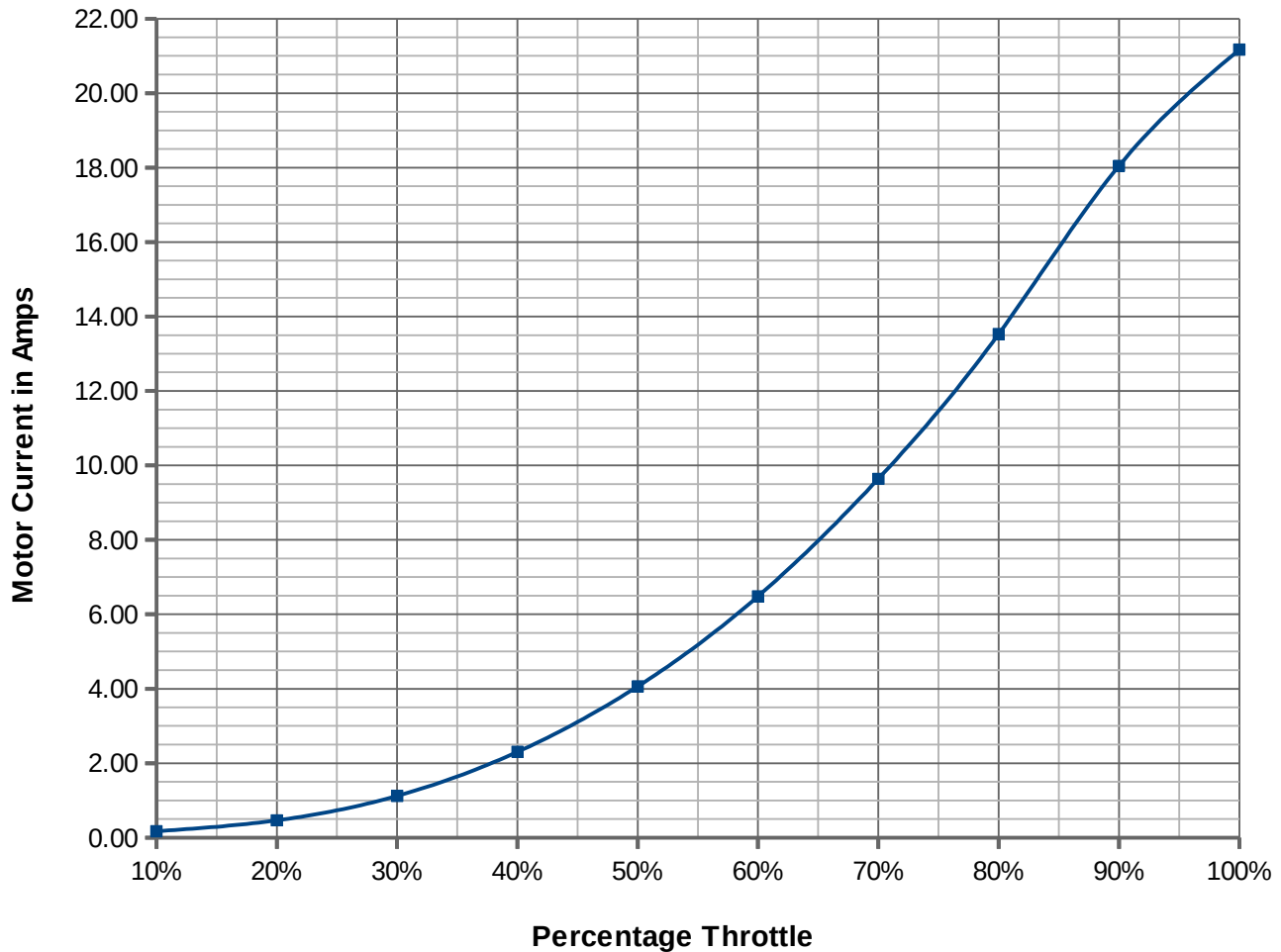


Cobra CM-4008/24 Motor Test Data, Kv=600

Data Collected at 11.1 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	1.91	681	28.2	0.99	14.77
20%	0.47	5.16	1,195	87.1	3.07	16.87
30%	1.12	12.45	1,780	202.6	7.14	16.27
40%	2.30	25.57	2,323	357.1	12.59	13.96
50%	4.06	45.09	2,816	549.3	19.36	12.18
60%	6.48	71.96	3,298	776.4	27.36	10.79
70%	9.64	106.99	3,745	1011.7	35.65	9.46
80%	13.53	150.18	4,146	1268.0	44.69	8.44
90%	18.05	200.32	4,505	1523.6	53.70	7.61
100%	21.17	234.99	4,705	1673.2	58.97	7.12

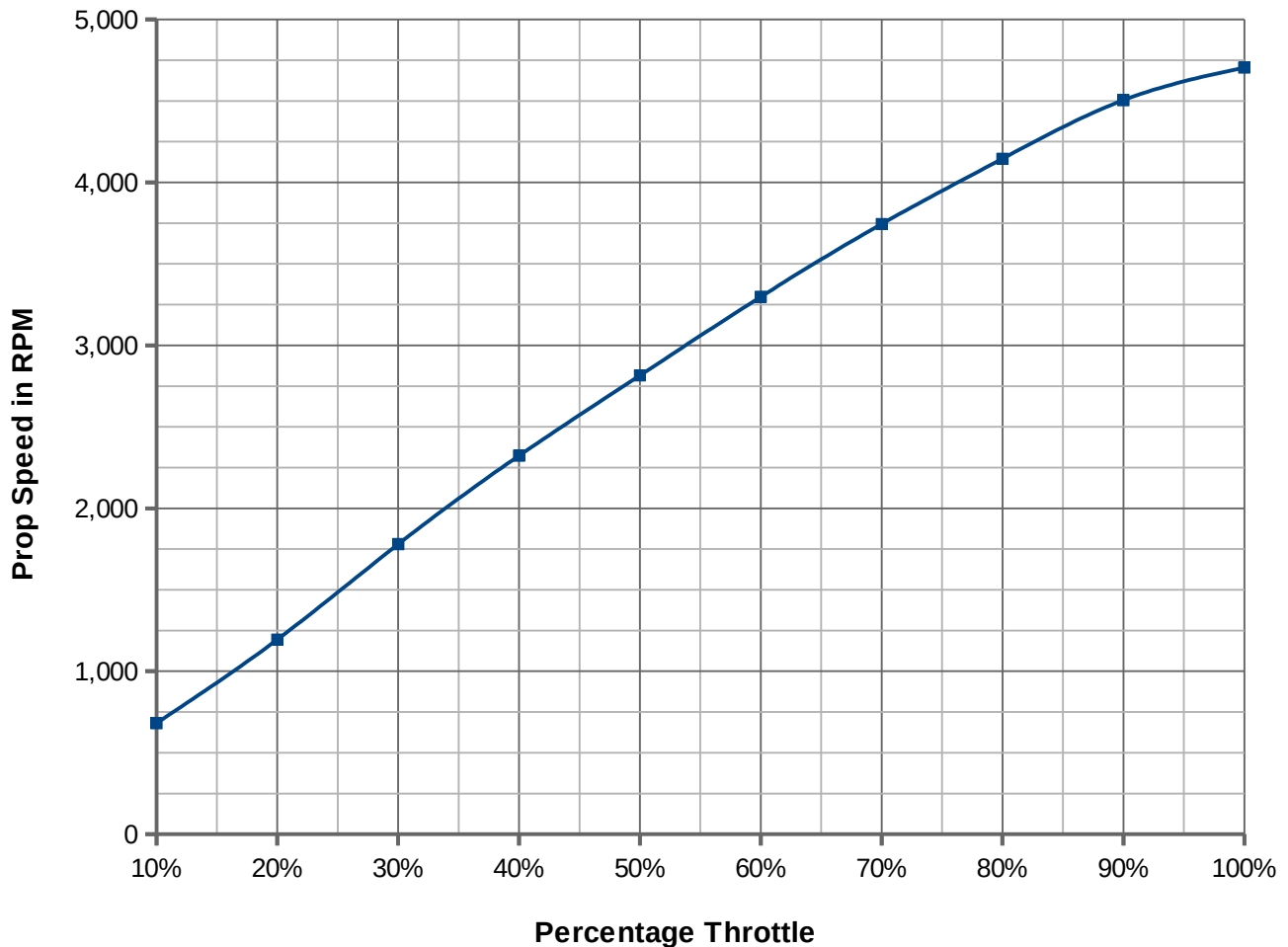
Motor Current vs Throttle Position



Cobra CM-4008/24 Motor Test Data, Kv=600

Data Collected at 11.1 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	1.91	681	28.2	0.99	14.77
20%	0.47	5.16	1,195	87.1	3.07	16.87
30%	1.12	12.45	1,780	202.6	7.14	16.27
40%	2.30	25.57	2,323	357.1	12.59	13.96
50%	4.06	45.09	2,816	549.3	19.36	12.18
60%	6.48	71.96	3,298	776.4	27.36	10.79
70%	9.64	106.99	3,745	1011.7	35.65	9.46
80%	13.53	150.18	4,146	1268.0	44.69	8.44
90%	18.05	200.32	4,505	1523.6	53.70	7.61
100%	21.17	234.99	4,705	1673.2	58.97	7.12

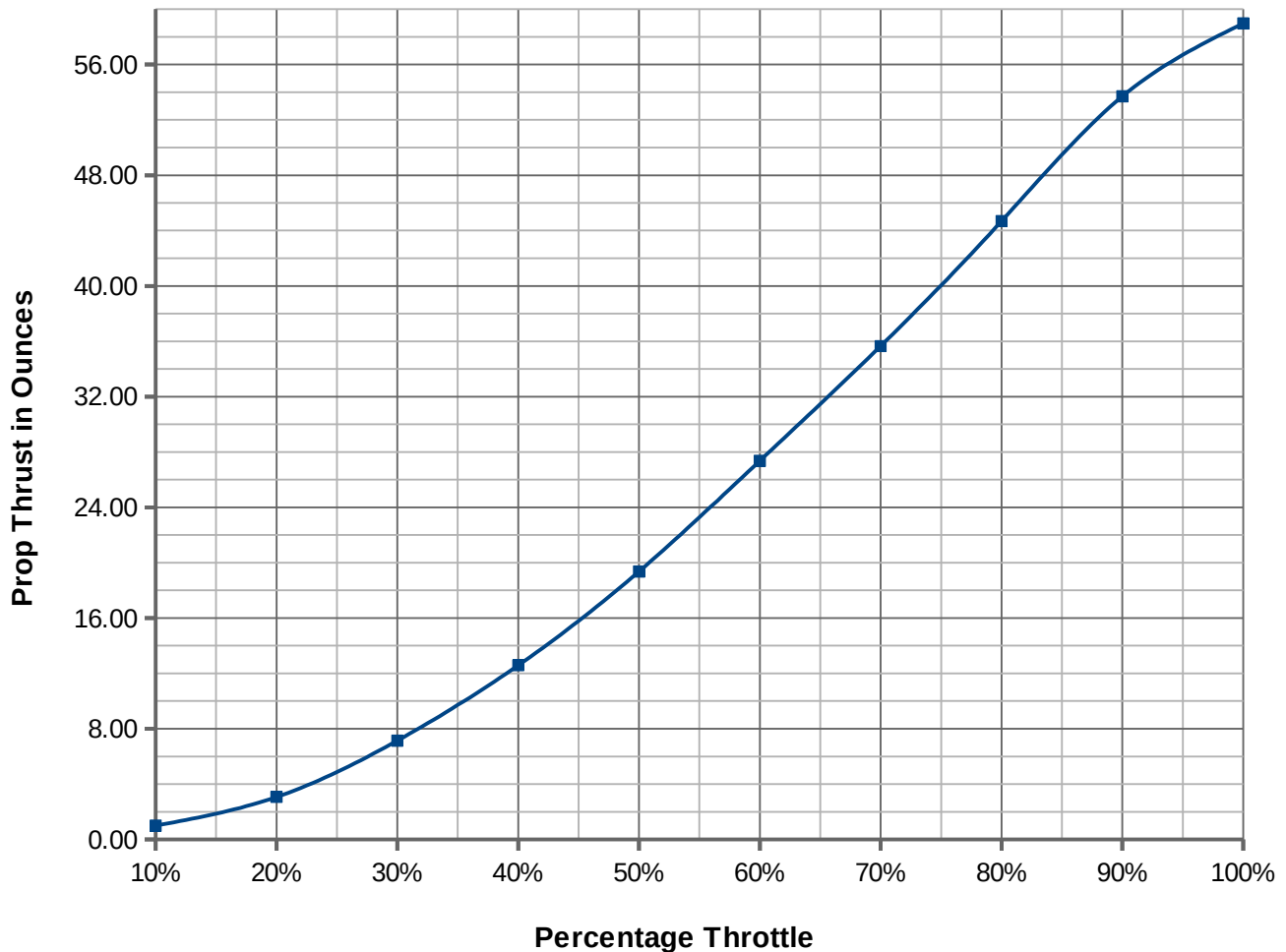
Propeller RPM vs Throttle Position



Cobra CM-4008/24 Motor Test Data, Kv=600

Data Collected at 11.1 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	1.91	681	28.2	0.99	14.77
20%	0.47	5.16	1,195	87.1	3.07	16.87
30%	1.12	12.45	1,780	202.6	7.14	16.27
40%	2.30	25.57	2,323	357.1	12.59	13.96
50%	4.06	45.09	2,816	549.3	19.36	12.18
60%	6.48	71.96	3,298	776.4	27.36	10.79
70%	9.64	106.99	3,745	1011.7	35.65	9.46
80%	13.53	150.18	4,146	1268.0	44.69	8.44
90%	18.05	200.32	4,505	1523.6	53.70	7.61
100%	21.17	234.99	4,705	1673.2	58.97	7.12

Propeller Thrust vs Throttle Position



Cobra CM-4008/24 Motor Test Data, Kv=600

Data Collected at 11.1 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.17	1.91	681	28.2	0.99	14.77
20%	0.47	5.16	1,195	87.1	3.07	16.87
30%	1.12	12.45	1,780	202.6	7.14	16.27
40%	2.30	25.57	2,323	357.1	12.59	13.96
50%	4.06	45.09	2,816	549.3	19.36	12.18
60%	6.48	71.96	3,298	776.4	27.36	10.79
70%	9.64	106.99	3,745	1011.7	35.65	9.46
80%	13.53	150.18	4,146	1268.0	44.69	8.44
90%	18.05	200.32	4,505	1523.6	53.70	7.61
100%	21.17	234.99	4,705	1673.2	58.97	7.12

Propeller Efficiency vs Throttle Position

