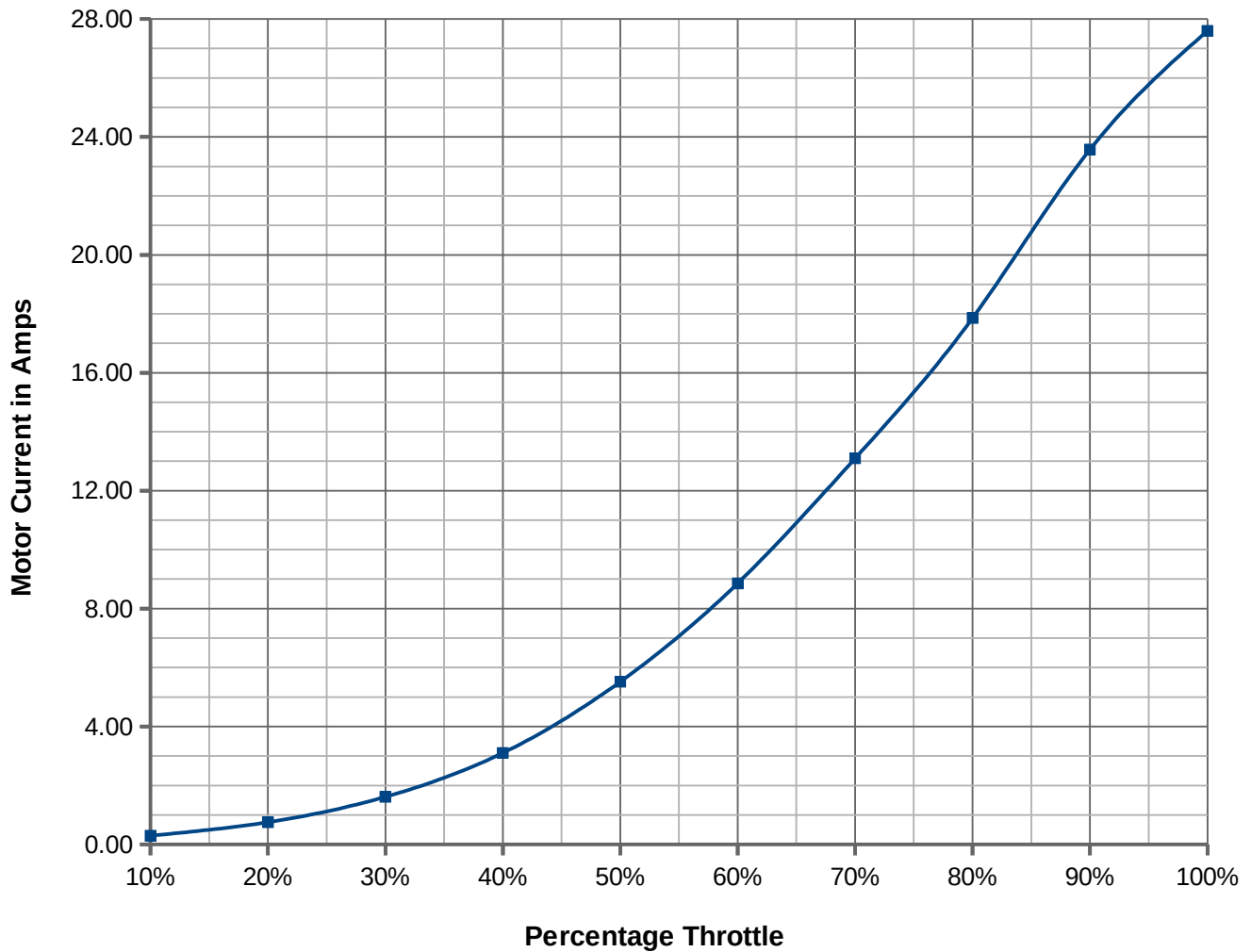


Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 18.5 volts with GemFan 14x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.30	5.48	1,381	66.9	2.36	12.22
20%	0.75	13.95	2,182	169.8	5.99	12.17
30%	1.62	29.88	3,016	341.1	12.03	11.42
40%	3.11	57.44	3,877	583.8	20.59	10.16
50%	5.52	102.08	4,789	914.3	32.25	8.96
60%	8.86	163.84	5,646	1277.3	45.05	7.80
70%	13.10	242.28	6,434	1692.3	59.69	6.99
80%	17.86	330.37	7,121	2062.0	72.73	6.24
90%	23.58	436.14	7,768	2483.7	87.61	5.69
100%	27.60	510.54	8,123	2749.7	96.99	5.39

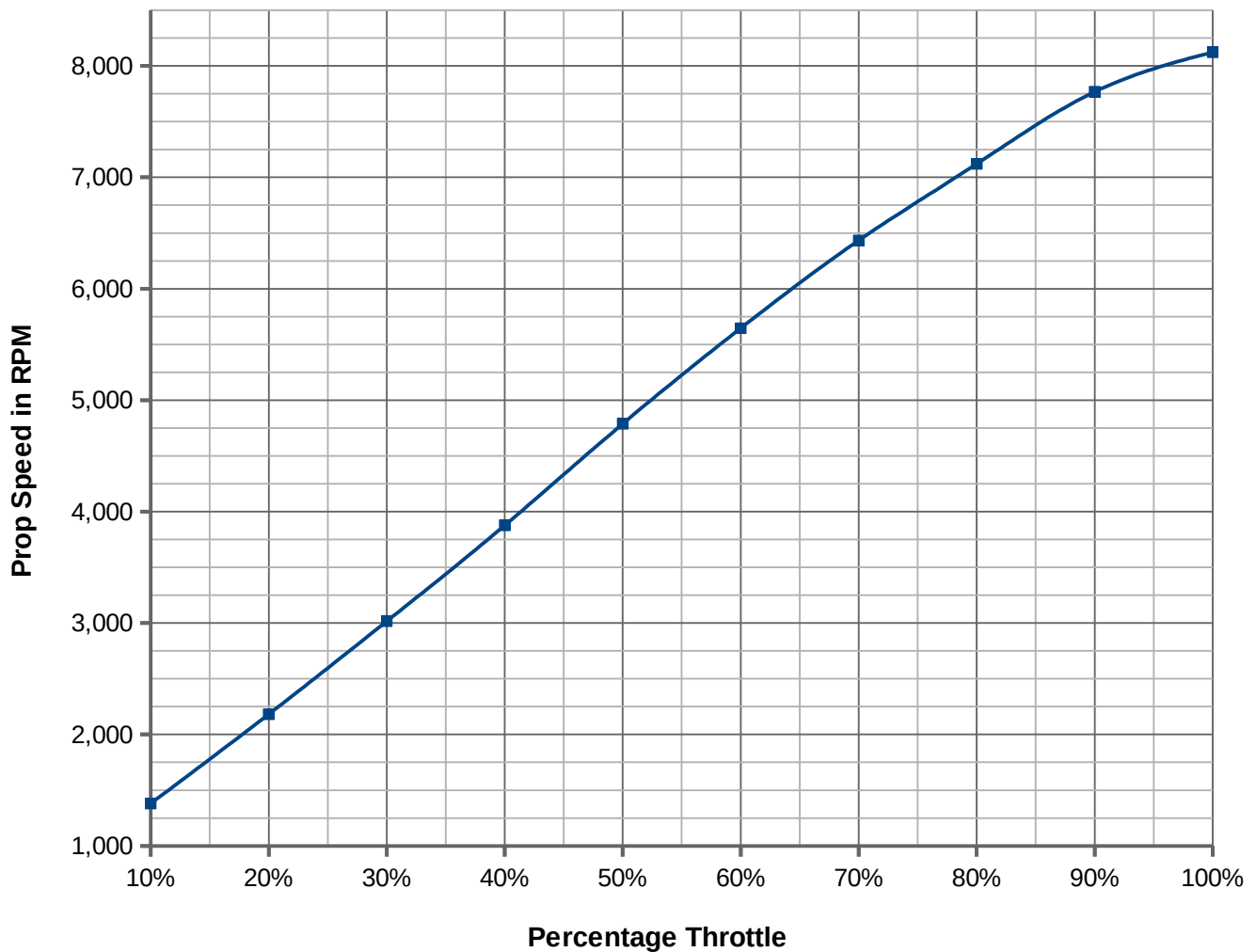
Motor Current vs Throttle Position



Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 18.5 volts with GemFan 14x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.30	5.48	1,381	66.9	2.36	12.22
20%	0.75	13.95	2,182	169.8	5.99	12.17
30%	1.62	29.88	3,016	341.1	12.03	11.42
40%	3.11	57.44	3,877	583.8	20.59	10.16
50%	5.52	102.08	4,789	914.3	32.25	8.96
60%	8.86	163.84	5,646	1277.3	45.05	7.80
70%	13.10	242.28	6,434	1692.3	59.69	6.99
80%	17.86	330.37	7,121	2062.0	72.73	6.24
90%	23.58	436.14	7,768	2483.7	87.61	5.69
100%	27.60	510.54	8,123	2749.7	96.99	5.39

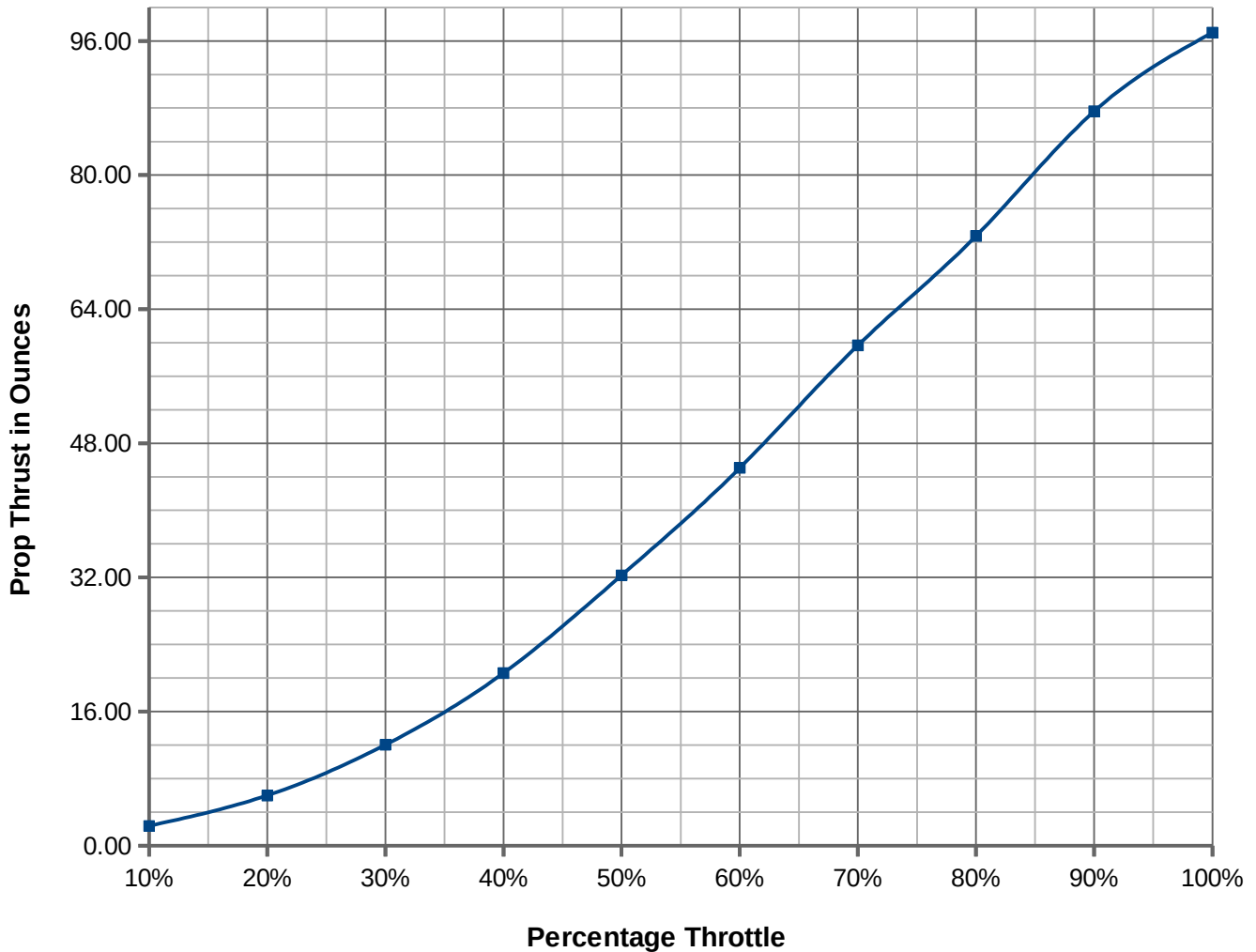
Propeller RPM vs Throttle Position



Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 18.5 volts with GemFan 14x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.30	5.48	1,381	66.9	2.36	12.22
20%	0.75	13.95	2,182	169.8	5.99	12.17
30%	1.62	29.88	3,016	341.1	12.03	11.42
40%	3.11	57.44	3,877	583.8	20.59	10.16
50%	5.52	102.08	4,789	914.3	32.25	8.96
60%	8.86	163.84	5,646	1277.3	45.05	7.80
70%	13.10	242.28	6,434	1692.3	59.69	6.99
80%	17.86	330.37	7,121	2062.0	72.73	6.24
90%	23.58	436.14	7,768	2483.7	87.61	5.69
100%	27.60	510.54	8,123	2749.7	96.99	5.39

Propeller Thrust vs Throttle Position



Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 18.5 volts with GemFan 14x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.30	5.48	1,381	66.9	2.36	12.22
20%	0.75	13.95	2,182	169.8	5.99	12.17
30%	1.62	29.88	3,016	341.1	12.03	11.42
40%	3.11	57.44	3,877	583.8	20.59	10.16
50%	5.52	102.08	4,789	914.3	32.25	8.96
60%	8.86	163.84	5,646	1277.3	45.05	7.80
70%	13.10	242.28	6,434	1692.3	59.69	6.99
80%	17.86	330.37	7,121	2062.0	72.73	6.24
90%	23.58	436.14	7,768	2483.7	87.61	5.69
100%	27.60	510.54	8,123	2749.7	96.99	5.39

Propeller Efficiency vs Throttle Position

