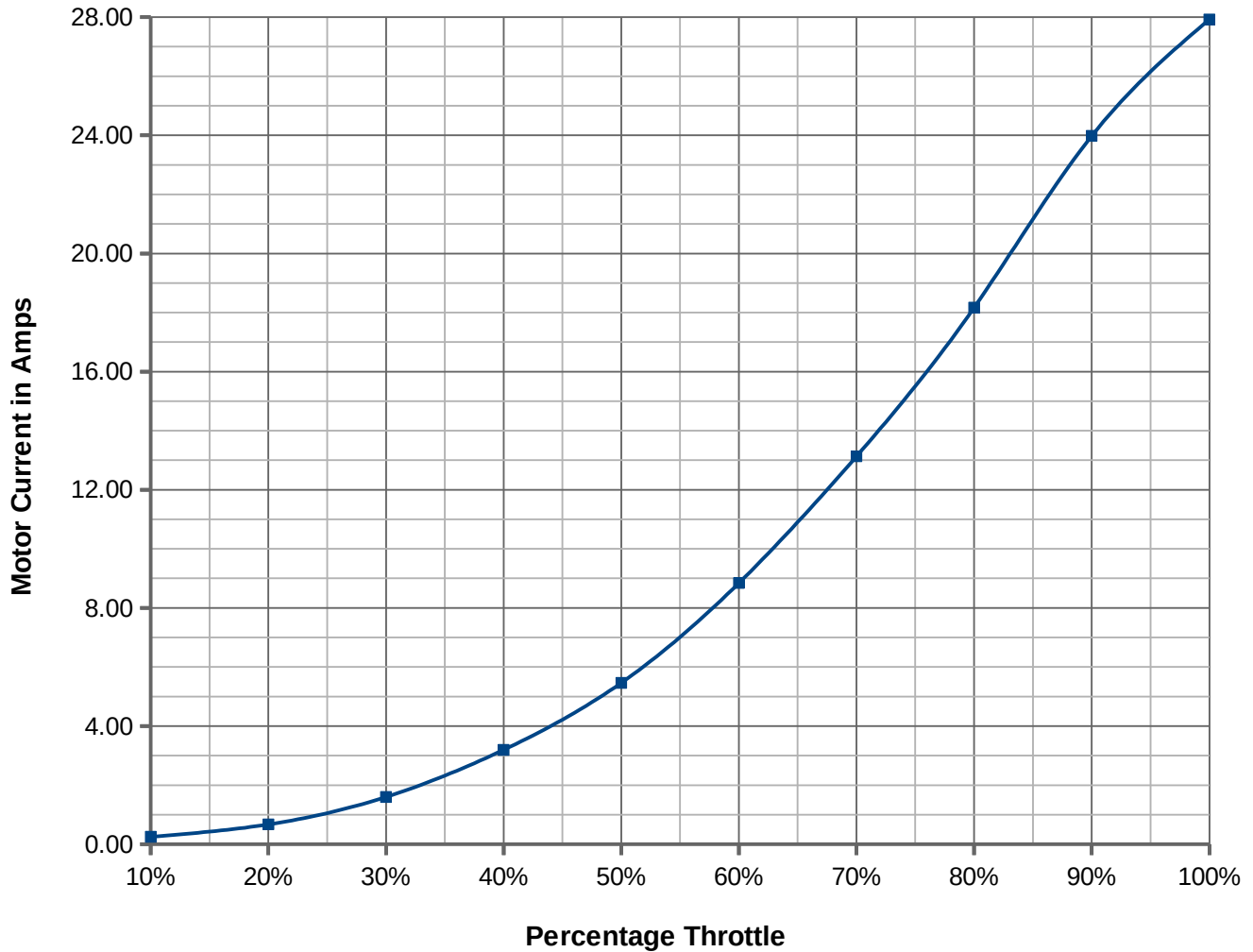


Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 14.8 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	3.73	960	45.6	1.61	12.23
20%	0.67	9.95	1,605	137.1	4.83	13.78
30%	1.60	23.67	2,318	308.7	10.88	13.04
40%	3.20	47.32	3,008	545.5	19.22	11.53
50%	5.46	80.84	3,659	825.7	29.10	10.21
60%	8.84	130.85	4,333	1157.9	40.81	8.85
70%	13.13	194.35	4,943	1535.3	54.11	7.90
80%	18.17	268.90	5,478	1907.7	67.23	7.09
90%	23.98	354.93	5,974	2271.5	80.05	6.40
100%	27.92	413.28	6,231	2497.2	88.01	6.04

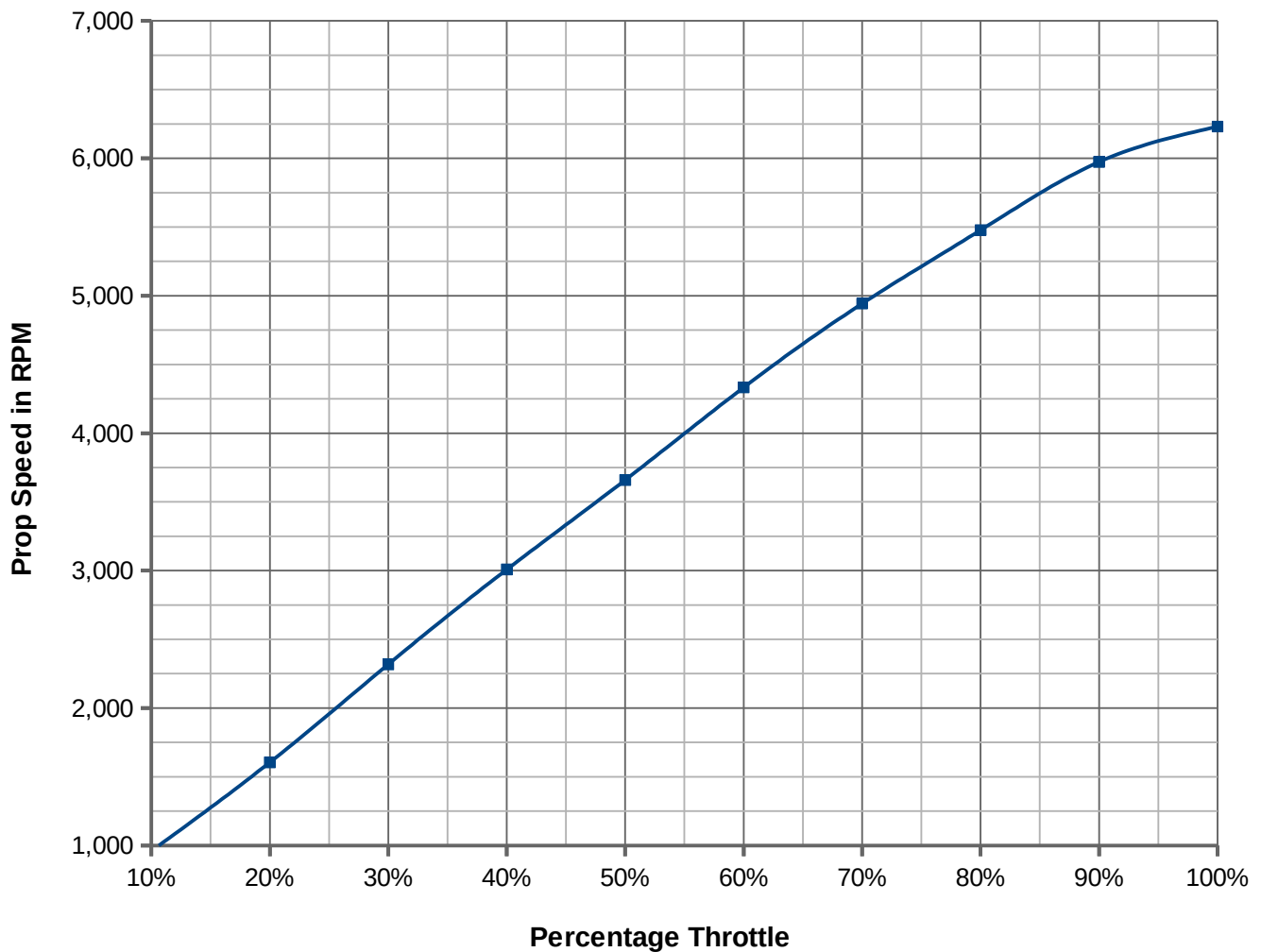
Motor Current vs Throttle Position



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

Data Collected at 14.8 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	3.73	960	45.6	1.61	12.23
20%	0.67	9.95	1,605	137.1	4.83	13.78
30%	1.60	23.67	2,318	308.7	10.88	13.04
40%	3.20	47.32	3,008	545.5	19.22	11.53
50%	5.46	80.84	3,659	825.7	29.10	10.21
60%	8.84	130.85	4,333	1157.9	40.81	8.85
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100%	27.92	413.28	6,231	2497.2	88.01	6.04

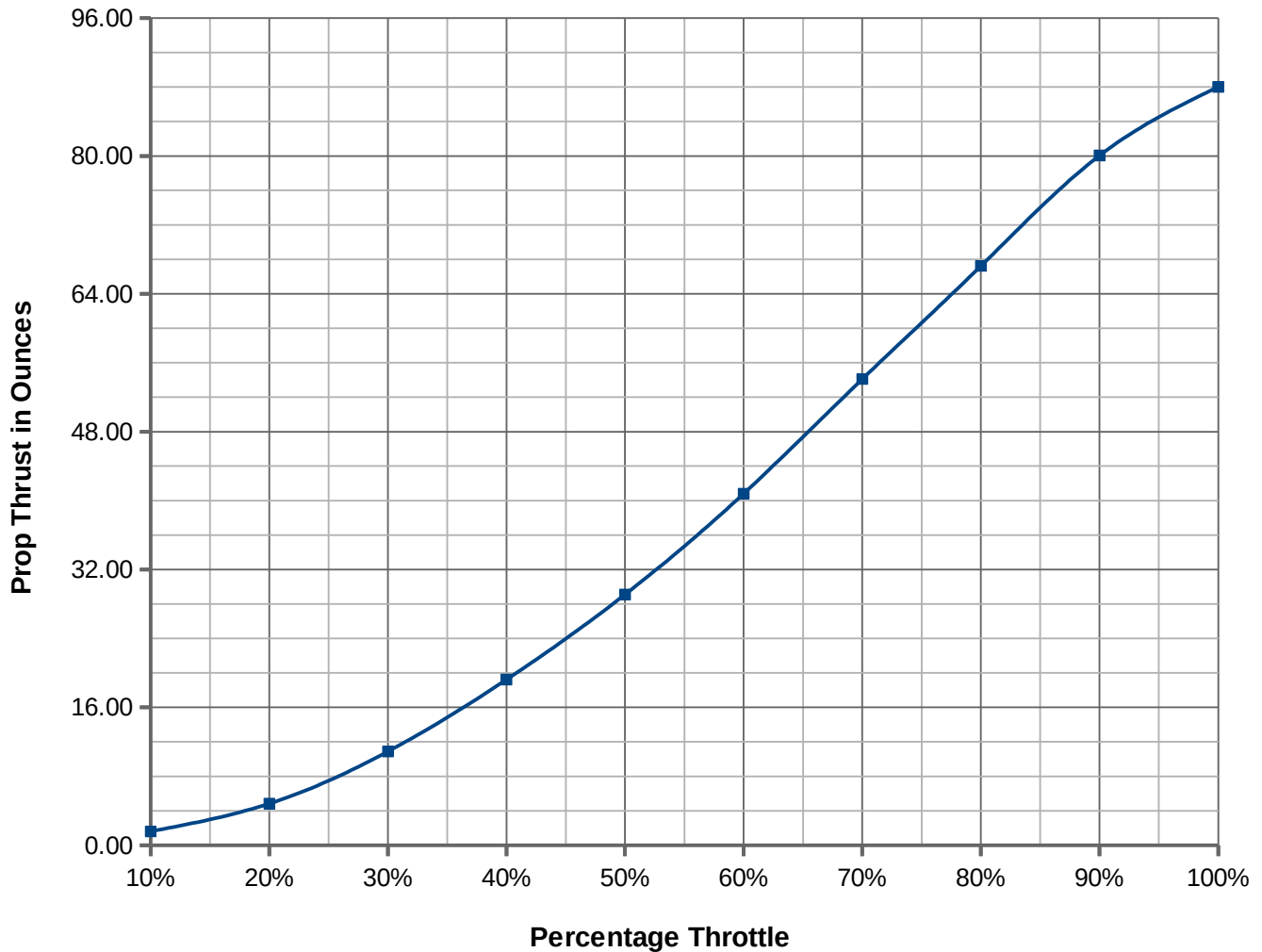
Propeller RPM vs Throttle Position



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

Data Collected at 14.8 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	3.73	960	45.6	1.61	12.23
20%	0.67	9.95	1,605	137.1	4.83	13.78
30%	1.60	23.67	2,318	308.7	10.88	13.04
40%	3.20	47.32	3,008	545.5	19.22	11.53
50%	5.46	80.84	3,659	825.7	29.10	10.21
60%	8.84	130.85	4,333	1157.9	40.81	8.85
70%	13.13	194.35	4,943	1535.3	54.11	7.90
80%	18.17	268.90	5,478	1907.7	67.23	7.09
90%	23.98	354.93	5,974	2271.5	80.05	6.40
100%	27.92	413.28	6,231	2497.2	88.01	6.04

Propeller Thrust vs Throttle Position



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

Data Collected at 14.8 volts with GemFan 16x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.25	3.73	960	45.6	1.61	12.23
20%	0.67	9.95	1,605	137.1	4.83	13.78
30%	1.60	23.67	2,318	308.7	10.88	13.04
40%	3.20	47.32	3,008	545.5	19.22	11.53
50%	5.46	80.84	3,659	825.7	29.10	10.21
60%	8.84	130.85	4,333	1157.9	40.81	8.85
70%	13.13	194.35	4,943	1535.3	54.11	7.90
80%	18.17	268.90	5,478	1907.7	67.23	7.09
90%	23.98	354.93	5,974	2271.5	80.05	6.40
100%	27.92	413.28	6,231	2497.2	88.01	6.04

Propeller Efficiency vs Throttle Position

