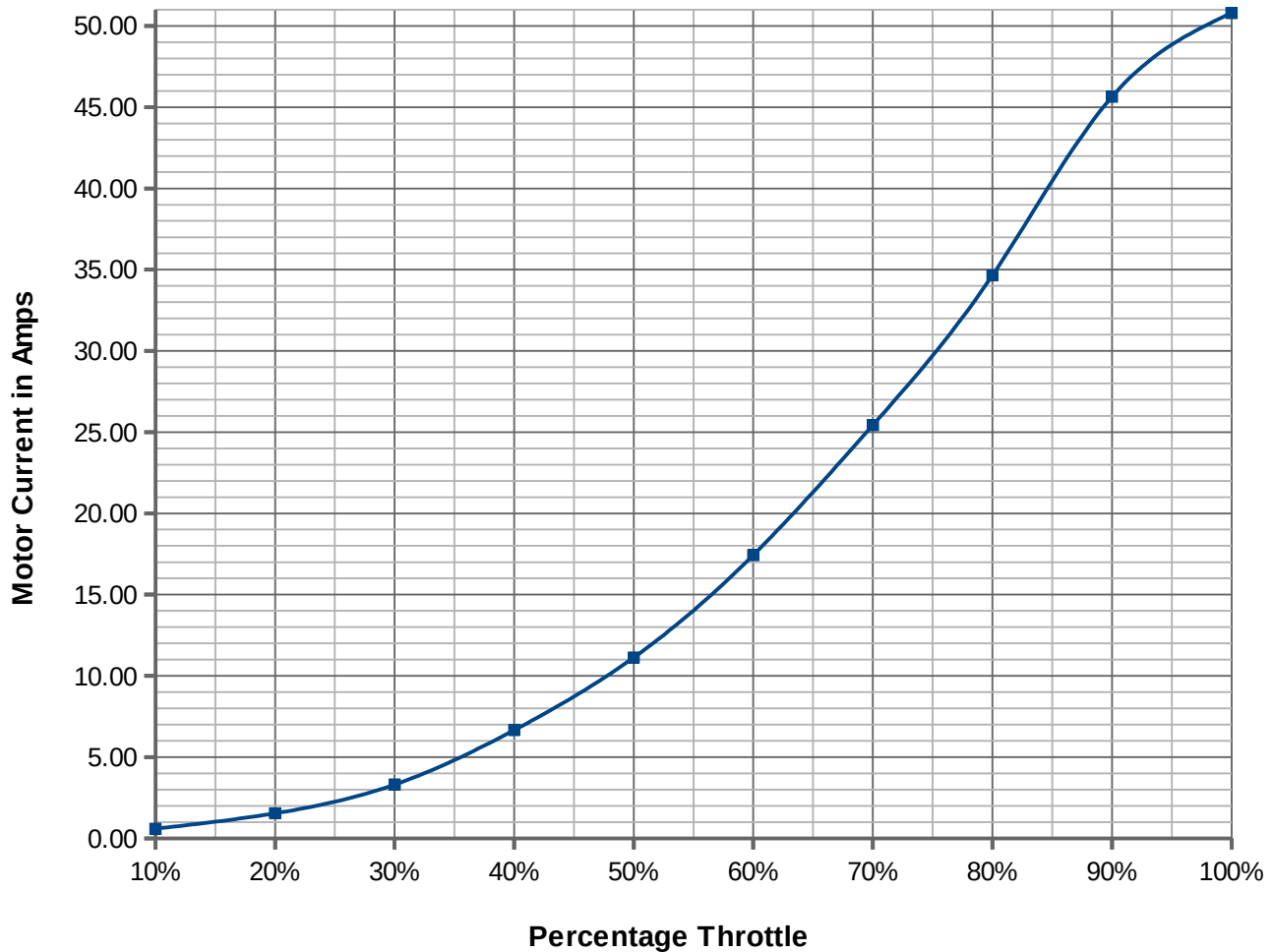


Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.59	13.10	1,341	176.2	6.21	13.45
20%	1.54	34.23	2,092	428.0	15.08	12.50
30%	3.31	73.46	2,825	824.0	29.04	11.22
40%	6.66	147.85	3,636	1443.2	50.86	9.76
50%	11.13	247.02	4,322	2088.4	73.60	8.45
60%	17.43	387.03	5,009	2879.4	101.48	7.44
70%	25.43	564.61	5,665	3688.2	129.98	6.53
80%	34.65	769.25	6,259	4490.2	158.24	5.84
90%	45.65	1013.34	6,793	5421.4	191.06	5.35
100%	50.80	1127.65	7,038	5826.2	205.33	5.17

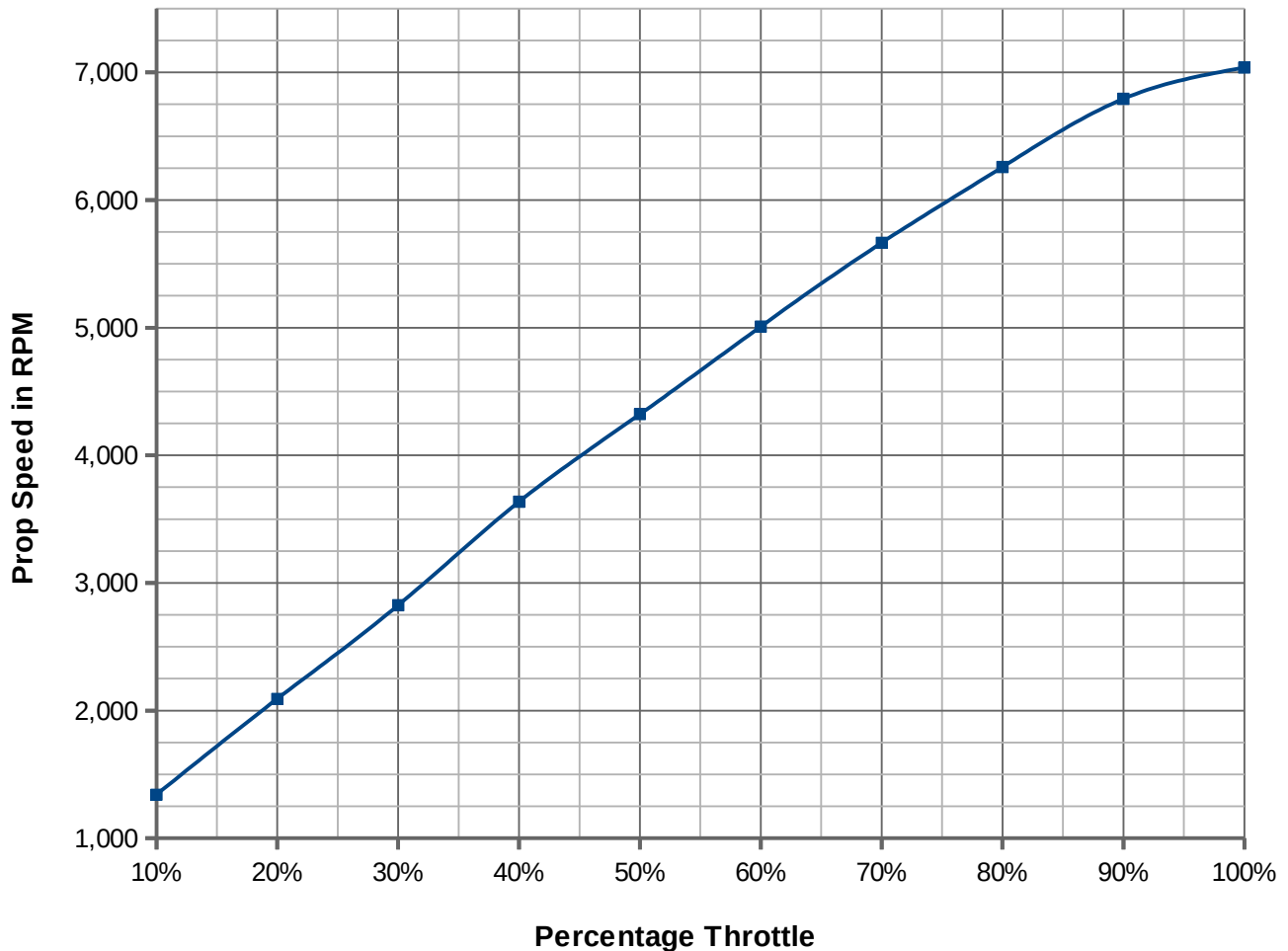
Motor Current vs Throttle Position



Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.59	13.10	1,341	176.2	6.21	13.45
20%	1.54	34.23	2,092	428.0	15.08	12.50
30%	3.31	73.46	2,825	824.0	29.04	11.22
40%	6.66	147.85	3,636	1443.2	50.86	9.76
50%	11.13	247.02	4,322	2088.4	73.60	8.45
60%	17.43	387.03	5,009	2879.4	101.48	7.44
70%	25.43	564.61	5,665	3688.2	129.98	6.53
80%	34.65	769.25	6,259	4490.2	158.24	5.84
90%	45.65	1013.34	6,793	5421.4	191.06	5.35
100%	50.80	1127.65	7,038	5826.2	205.33	5.17

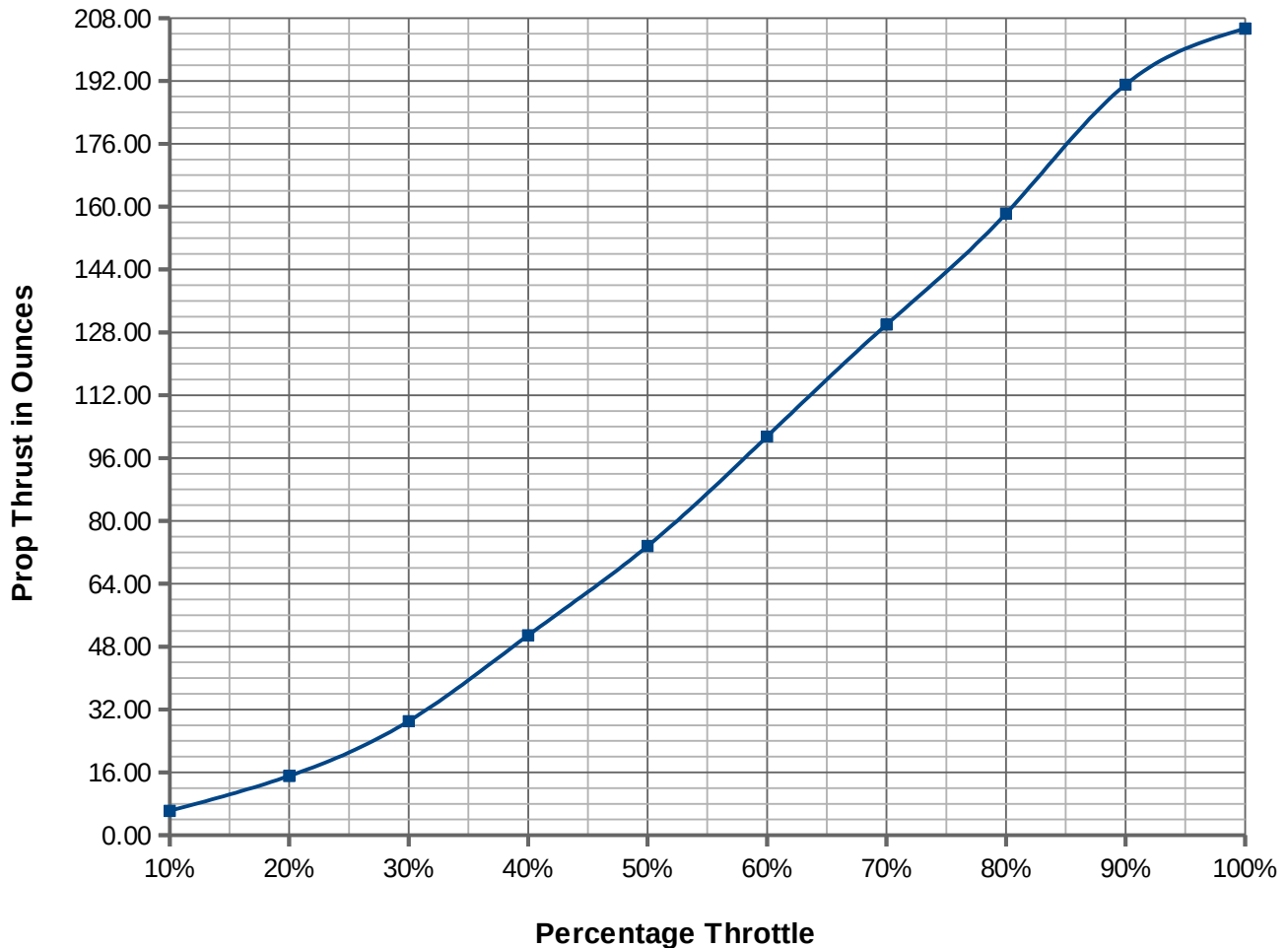
Propeller RPM vs Throttle Position



Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.59	13.10	1,341	176.2	6.21	13.45
20%	1.54	34.23	2,092	428.0	15.08	12.50
30%	3.31	73.46	2,825	824.0	29.04	11.22
40%	6.66	147.85	3,636	1443.2	50.86	9.76
50%	11.13	247.02	4,322	2088.4	73.60	8.45
60%	17.43	387.03	5,009	2879.4	101.48	7.44
70%	25.43	564.61	5,665	3688.2	129.98	6.53
80%	34.65	769.25	6,259	4490.2	158.24	5.84
90%	45.65	1013.34	6,793	5421.4	191.06	5.35
100%	50.80	1127.65	7,038	5826.2	205.33	5.17

Propeller Thrust vs Throttle Position



Cobra CM-4520-14 Motor Test Data, Kv=400

Data Collected at 22.2 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.59	13.10	1,341	176.2	6.21	13.45
20%	1.54	34.23	2,092	428.0	15.08	12.50
30%	3.31	73.46	2,825	824.0	29.04	11.22
40%	6.66	147.85	3,636	1443.2	50.86	9.76
50%	11.13	247.02	4,322	2088.4	73.60	8.45
60%	17.43	387.03	5,009	2879.4	101.48	7.44
70%	25.43	564.61	5,665	3688.2	129.98	6.53
80%	34.65	769.25	6,259	4490.2	158.24	5.84
90%	45.65	1013.34	6,793	5421.4	191.06	5.35
100%	50.80	1127.65	7,038	5826.2	205.33	5.17

Propeller Efficiency vs Throttle Position

