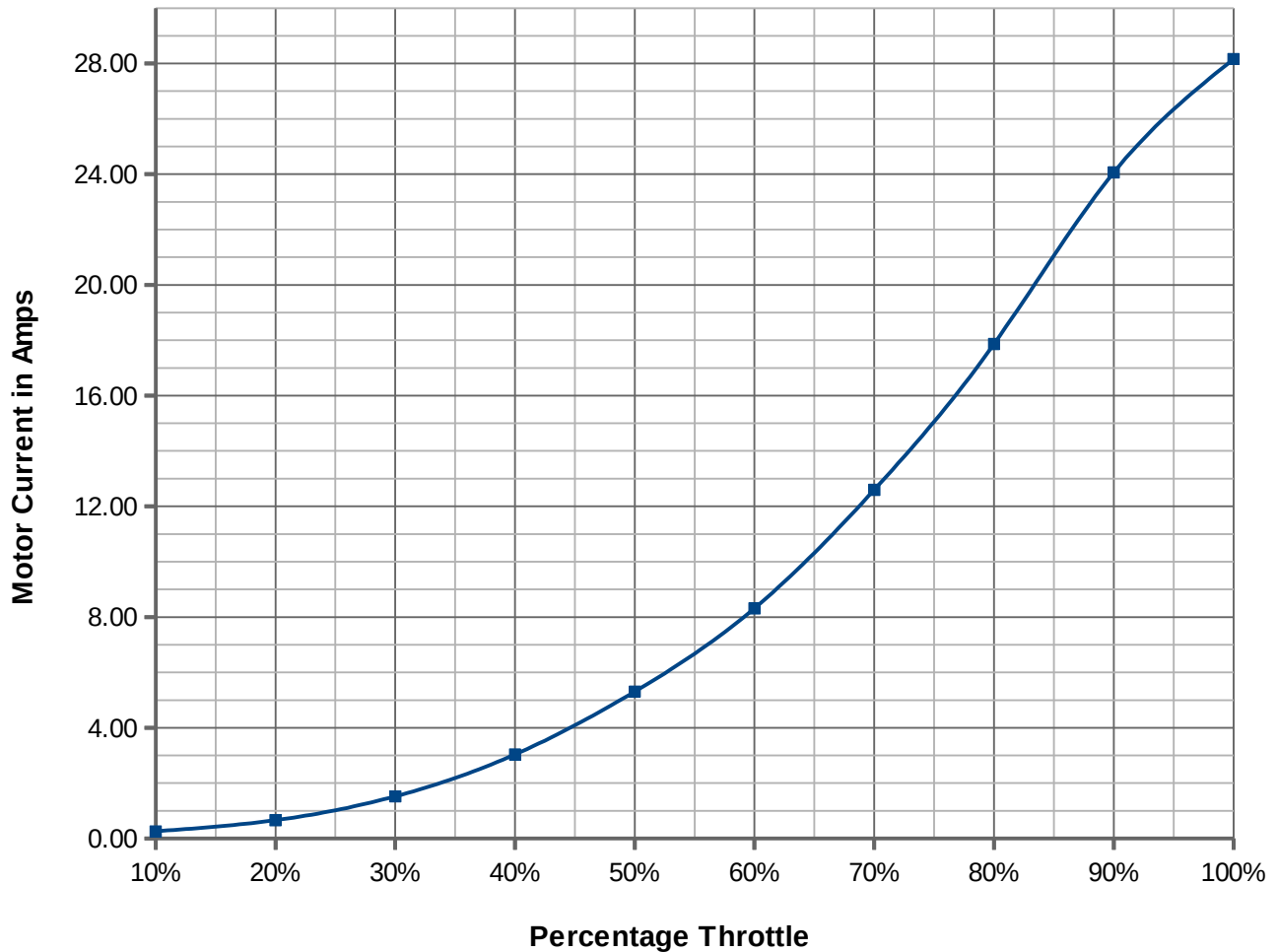


Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 22.2 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.77	1,349	80.0	2.82	13.86
20%	0.66	14.70	2,160	207.3	7.31	14.11
30%	1.52	33.81	3,047	418.7	14.76	12.38
40%	3.04	67.40	3,924	700.8	24.70	10.40
50%	5.31	117.84	4,742	1056.2	37.22	8.96
60%	8.31	184.55	5,502	1455.3	51.29	7.89
70%	12.60	279.61	6,281	1932.2	68.10	6.91
80%	17.87	396.60	6,971	2434.6	85.80	6.14
90%	24.06	534.22	7,619	2940.7	103.64	5.50
100%	28.16	625.17	7,973	3260.0	114.89	5.21

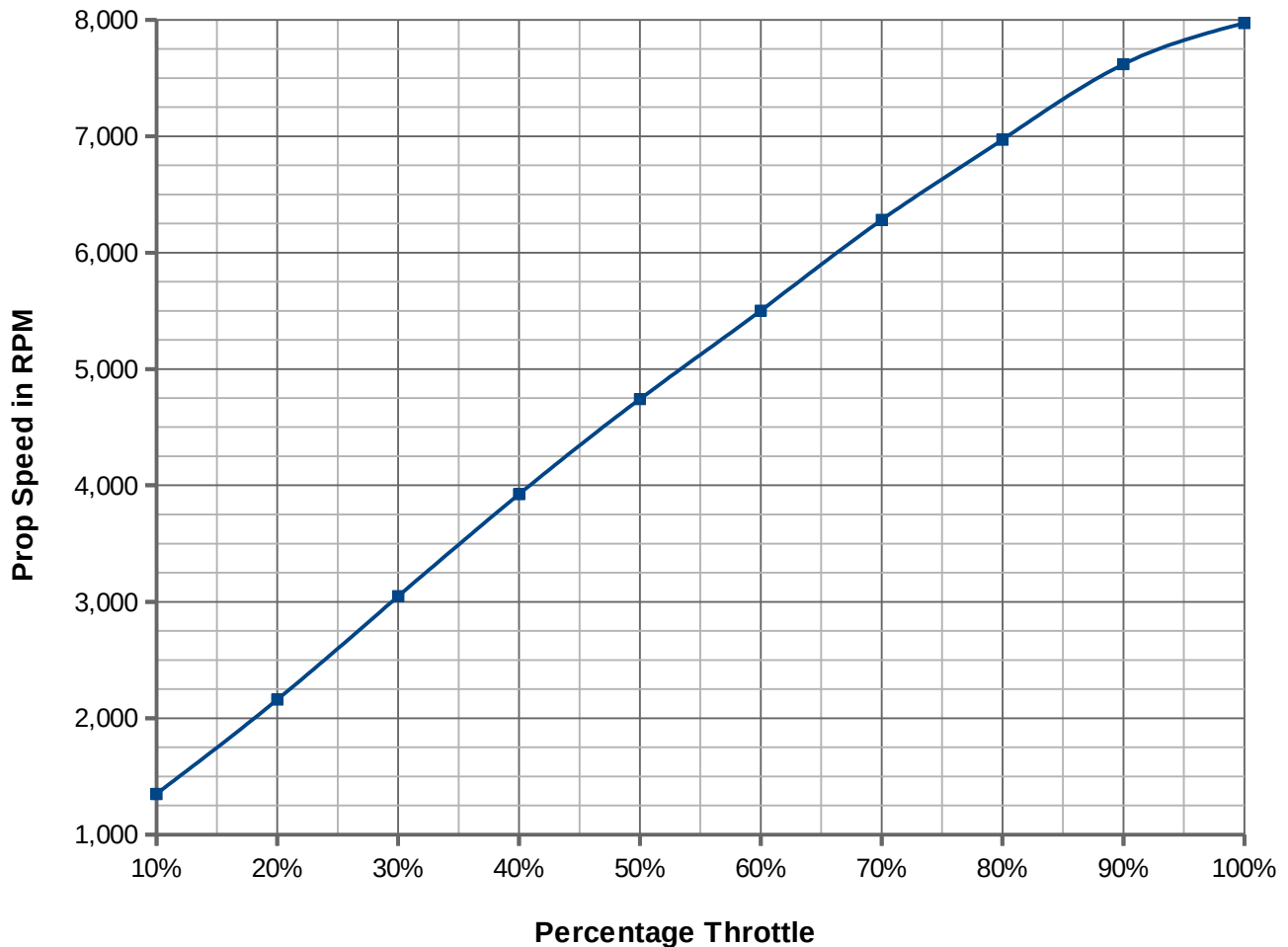
Motor Current vs Throttle Position



Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 22.2 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.77	1,349	80.0	2.82	13.86
20%	0.66	14.70	2,160	207.3	7.31	14.11
30%	1.52	33.81	3,047	418.7	14.76	12.38
40%	3.04	67.40	3,924	700.8	24.70	10.40
50%	5.31	117.84	4,742	1056.2	37.22	8.96
60%	8.31	184.55	5,502	1455.3	51.29	7.89
70%	12.60	279.61	6,281	1932.2	68.10	6.91
80%	17.87	396.60	6,971	2434.6	85.80	6.14
90%	24.06	534.22	7,619	2940.7	103.64	5.50
100%	28.16	625.17	7,973	3260.0	114.89	5.21

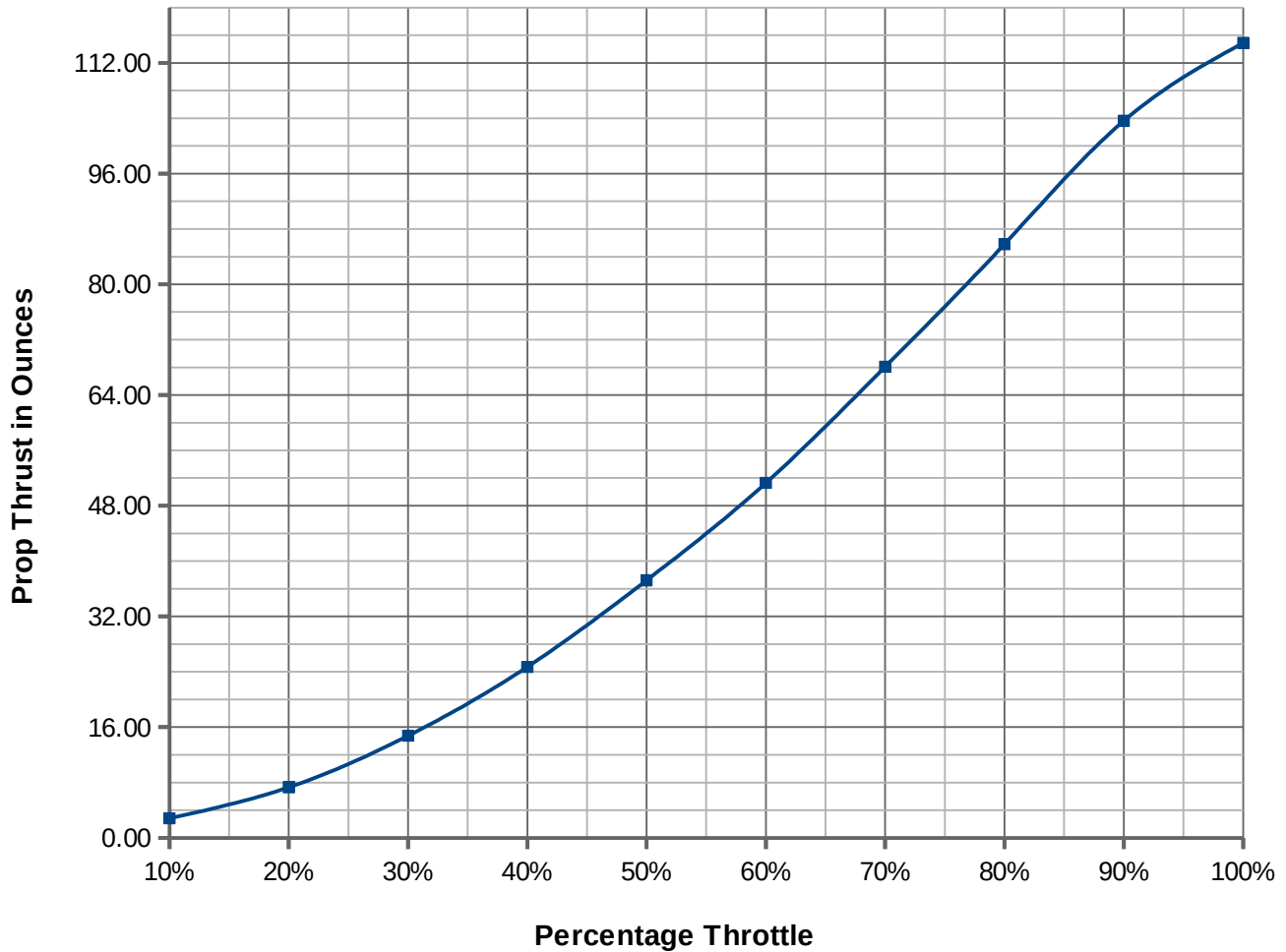
Propeller RPM vs Throttle Position



Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 22.2 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.77	1,349	80.0	2.82	13.86
20%	0.66	14.70	2,160	207.3	7.31	14.11
30%	1.52	33.81	3,047	418.7	14.76	12.38
40%	3.04	67.40	3,924	700.8	24.70	10.40
50%	5.31	117.84	4,742	1056.2	37.22	8.96
60%	8.31	184.55	5,502	1455.3	51.29	7.89
70%	12.60	279.61	6,281	1932.2	68.10	6.91
80%	17.87	396.60	6,971	2434.6	85.80	6.14
90%	24.06	534.22	7,619	2940.7	103.64	5.50
100%	28.16	625.17	7,973	3260.0	114.89	5.21

Propeller Thrust vs Throttle Position



Cobra CM-3520/20 Motor Test Data, Kv=480

Data Collected at 22.2 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.26	5.77	1,349	80.0	2.82	13.86
20%	0.66	14.70	2,160	207.3	7.31	14.11
30%	1.52	33.81	3,047	418.7	14.76	12.38
40%	3.04	67.40	3,924	700.8	24.70	10.40
50%	5.31	117.84	4,742	1056.2	37.22	8.96
60%	8.31	184.55	5,502	1455.3	51.29	7.89
70%	12.60	279.61	6,281	1932.2	68.10	6.91
80%	17.87	396.60	6,971	2434.6	85.80	6.14
90%	24.06	534.22	7,619	2940.7	103.64	5.50
100%	28.16	625.17	7,973	3260.0	114.89	5.21

Propeller Efficiency vs Throttle Position

