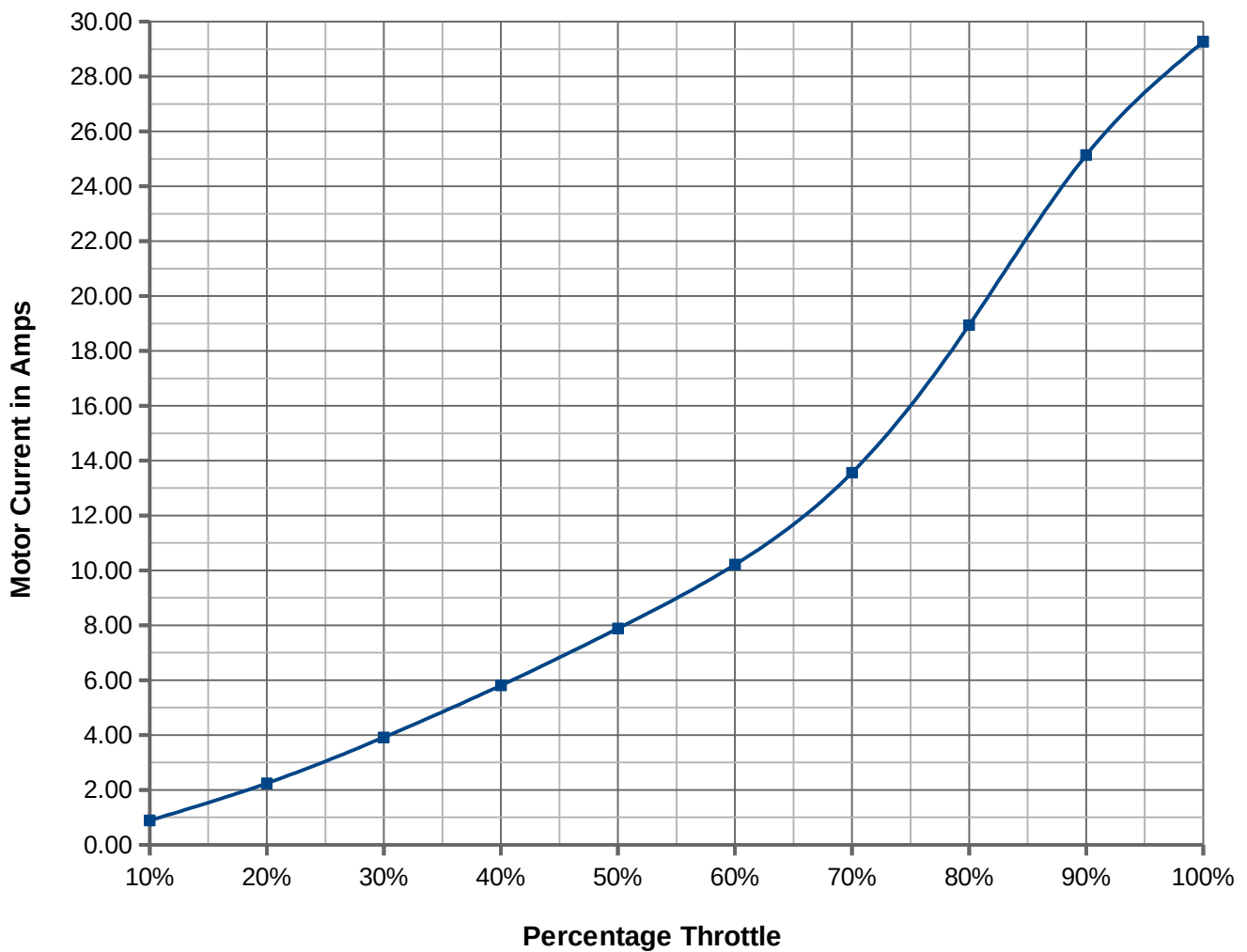


Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 14.8 volts with APC 6x4-E Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.89	13.10	6,336	80.1	2.82	6.12
20%	2.24	33.14	9,374	179.0	6.31	5.40
30%	3.92	57.97	11,733	291.3	10.27	5.02
40%	5.81	85.93	13,609	395.9	13.95	4.61
50%	7.88	116.65	15,175	502.4	17.71	4.31
60%	10.21	151.09	16,579	606.1	21.36	4.01
70%	13.56	200.67	18,228	741.5	26.13	3.70
80%	18.94	280.31	20,050	894.5	31.52	3.19
90%	25.14	372.07	21,867	1057.3	37.26	2.84
100%	29.27	433.18	22,830	1148.2	40.47	2.65

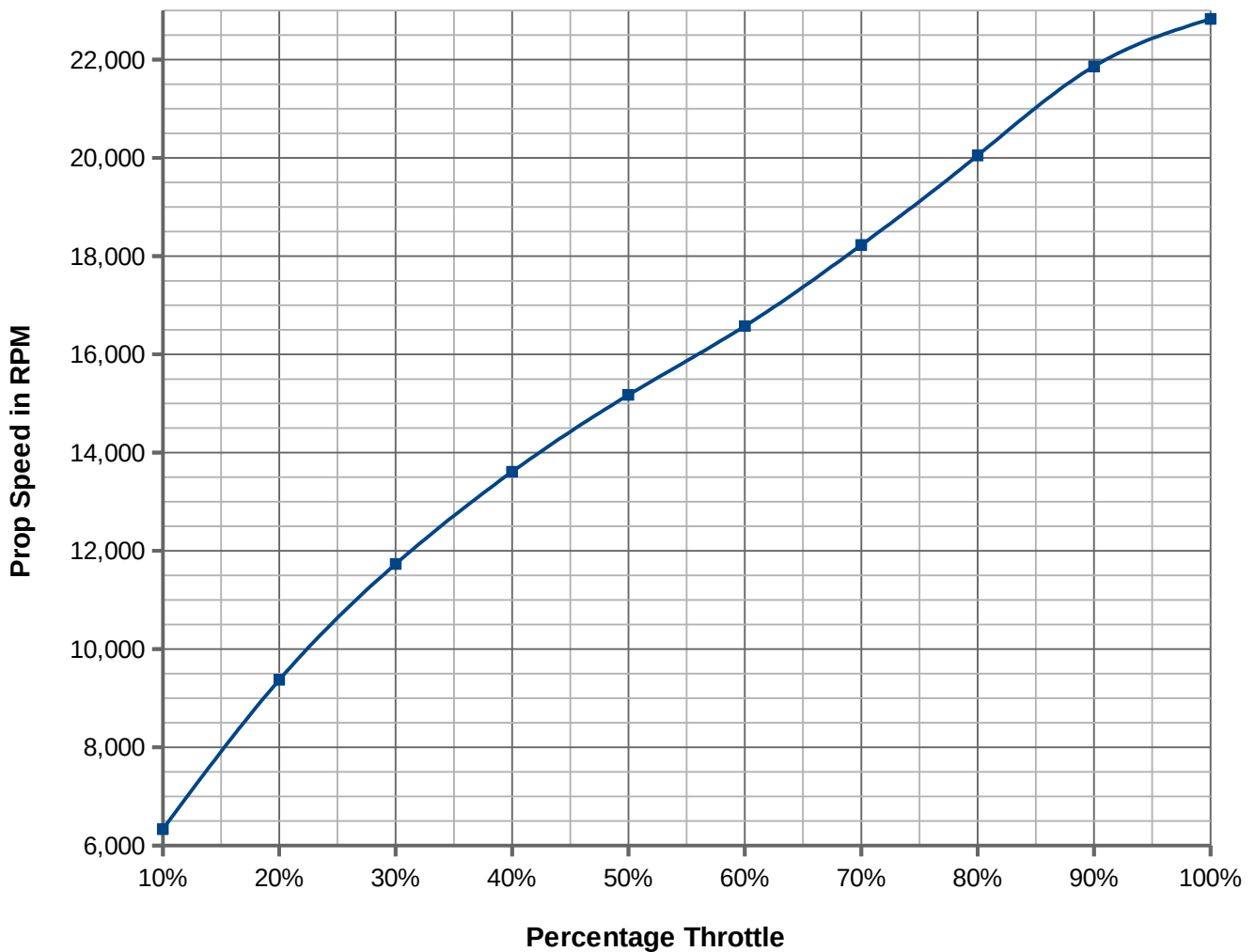
Motor Current vs Throttle Position



Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 14.8 volts with APC 6x4-E Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.89	13.10	6,336	80.1	2.82	6.12
20%	2.24	33.14	9,374	179.0	6.31	5.40
30%	3.92	57.97	11,733	291.3	10.27	5.02
40%	5.81	85.93	13,609	395.9	13.95	4.61
50%	7.88	116.65	15,175	502.4	17.71	4.31
60%	10.21	151.09	16,579	606.1	21.36	4.01
70%	13.56	200.67	18,228	741.5	26.13	3.70
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90%	25.14	372.07	21,867	1057.3	37.26	2.84
100%	29.27	433.18	22,830	1148.2	40.47	2.65

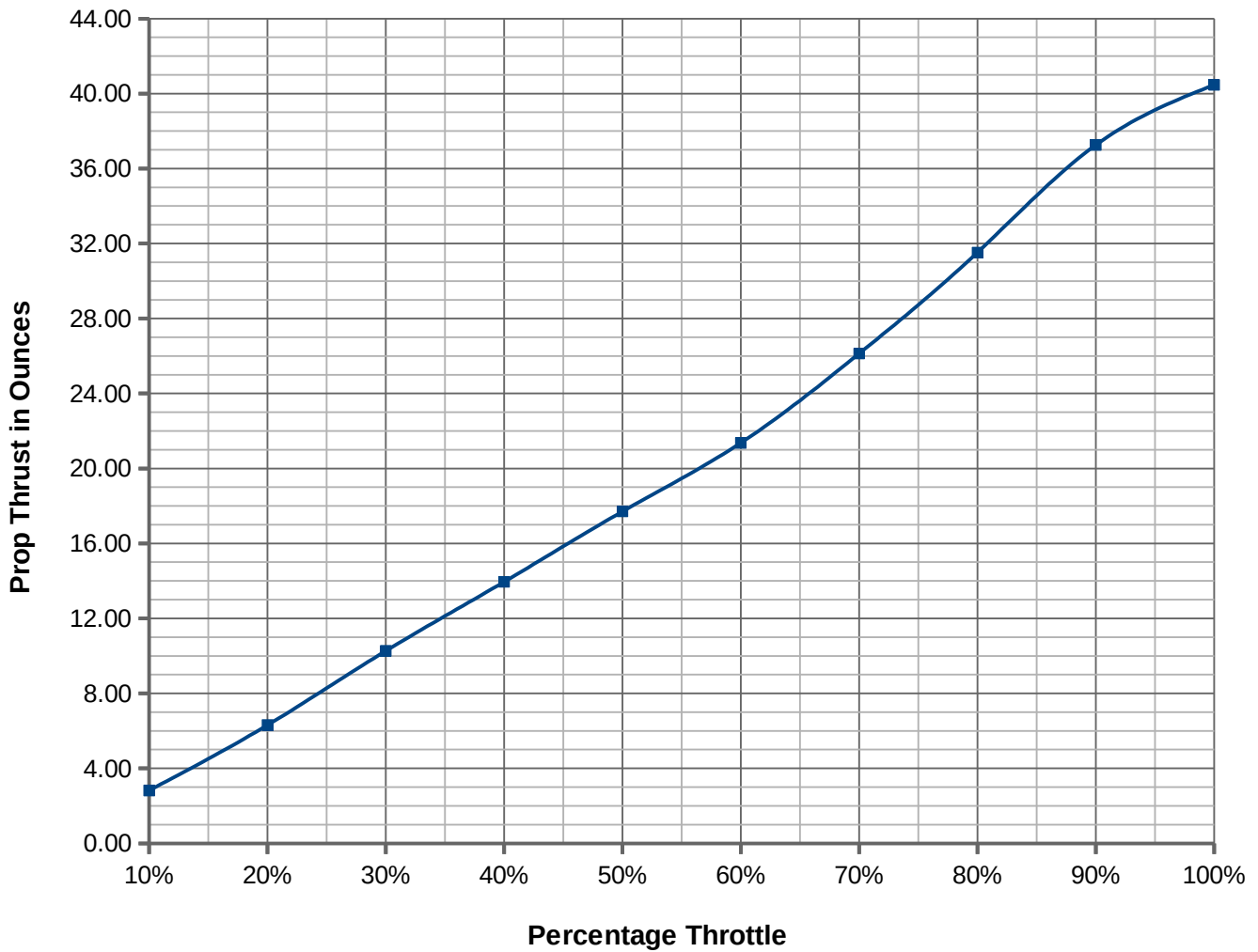
Propeller RPM vs Throttle Position



Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 14.8 volts with APC 6x4-E Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.89	13.10	6,336	80.1	2.82	6.12
20%	2.24	33.14	9,374	179.0	6.31	5.40
30%	3.92	57.97	11,733	291.3	10.27	5.02
40%	5.81	85.93	13,609	395.9	13.95	4.61
50%	7.88	116.65	15,175	502.4	17.71	4.31
60%	10.21	151.09	16,579	606.1	21.36	4.01
70%	13.56	200.67	18,228	741.5	26.13	3.70
80%	18.94	280.31	20,050	894.5	31.52	3.19
90%	25.14	372.07	21,867	1057.3	37.26	2.84
100%	29.27	433.18	22,830	1148.2	40.47	2.65

Propeller Thrust vs Throttle Position



Cobra CM-2213/12 Motor Test Data, Kv=2000

Data Collected at 14.8 volts with APC 6x4-E Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.89	13.10	6,336	80.1	2.82	6.12
20%	2.24	33.14	9,374	179.0	6.31	5.40
30%	3.92	57.97	11,733	291.3	10.27	5.02
40%	5.81	85.93	13,609	395.9	13.95	4.61
50%	7.88	116.65	15,175	502.4	17.71	4.31
60%	10.21	151.09	16,579	606.1	21.36	4.01
70%	13.56	200.67	18,228	741.5	26.13	3.70
80%	18.94	280.31	20,050	894.5	31.52	3.19
90%	25.14	372.07	21,867	1057.3	37.26	2.84
100%	29.27	433.18	22,830	1148.2	40.47	2.65

Propeller Efficiency vs Throttle Position

