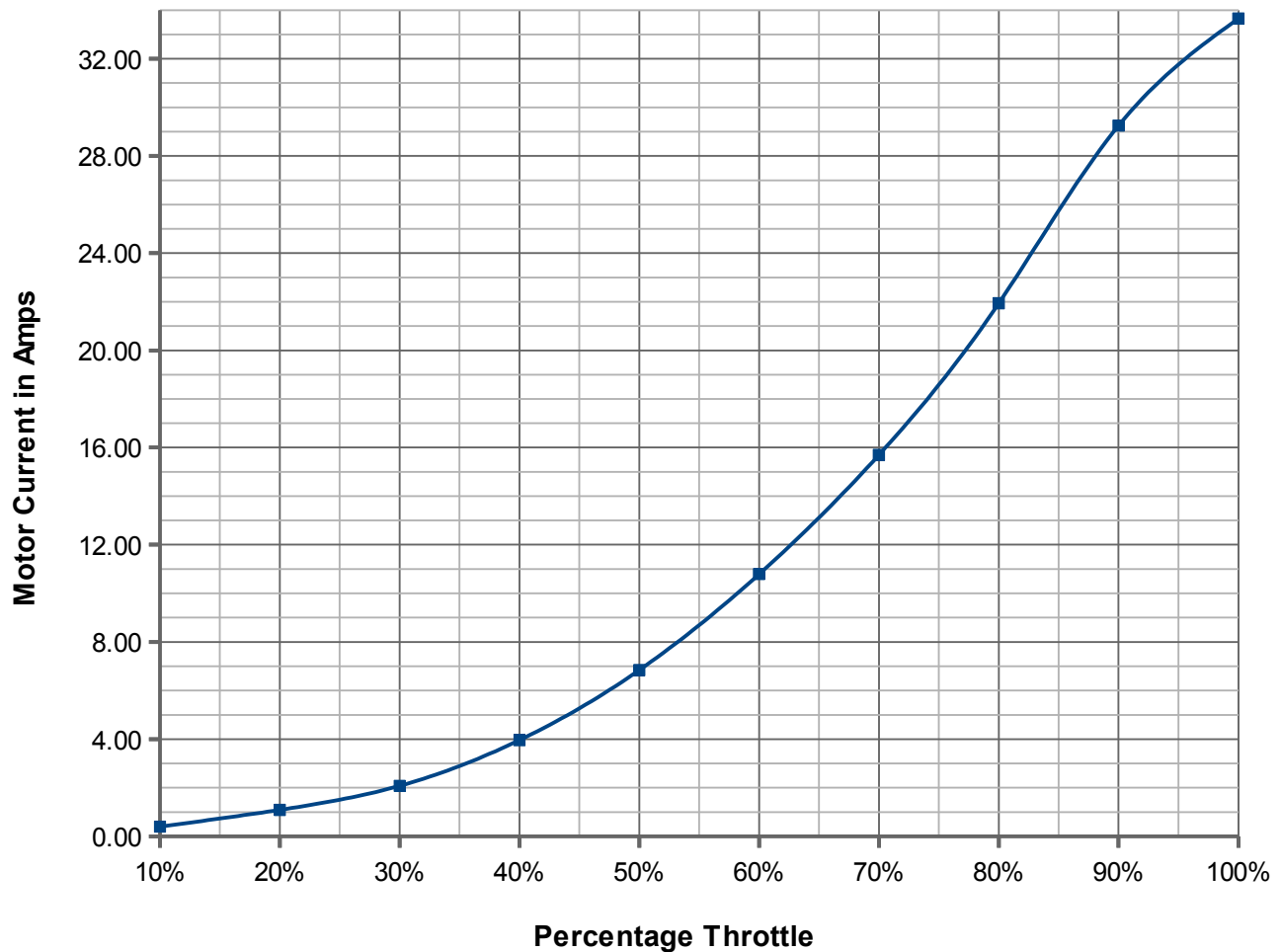


# Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	5.92	1,471	92.1	3.25	15.56
20%	1.09	16.18	2,266	220.5	7.77	13.63
30%	2.08	30.80	2,893	364.1	12.83	11.82
40%	3.96	58.64	3,648	606.1	21.36	10.34
50%	6.84	101.28	4,398	901.7	31.78	8.90
60%	10.79	159.69	5,078	1234.0	43.49	7.73
70%	15.69	232.26	5,730	1585.8	55.89	6.83
80%	21.94	324.67	6,332	1958.4	69.02	6.03
90%	29.25	432.87	6,865	2333.1	82.22	5.39
100%	33.65	498.02	7,143	2526.0	89.02	5.07

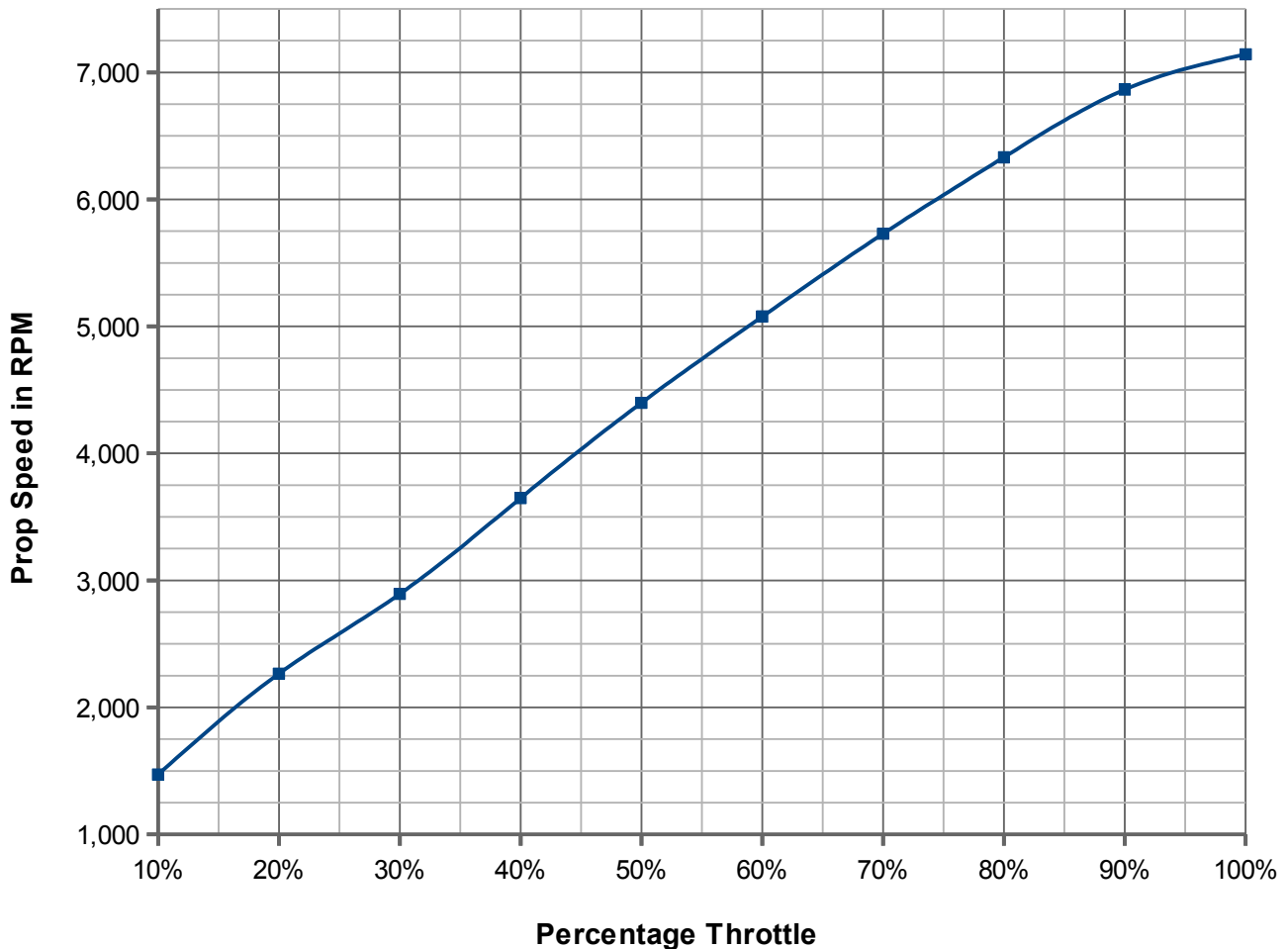
## Motor Current vs Throttle Position



# Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	5.92	1,471	92.1	3.25	15.56
20%	1.09	16.18	2,266	220.5	7.77	13.63
30%	2.08	30.80	2,893	364.1	12.83	11.82
40%	3.96	58.64	3,648	606.1	21.36	10.34
50%	6.84	101.28	4,398	901.7	31.78	8.90
60%	10.79	159.69	5,078	1234.0	43.49	7.73
70%	15.69	232.26	5,730	1585.8	55.89	6.83
80%	21.94	324.67	6,332	1958.4	69.02	6.03
90%	29.25	432.87	6,865	2333.1	82.22	5.39
100%	33.65	498.02	7,143	2526.0	89.02	5.07

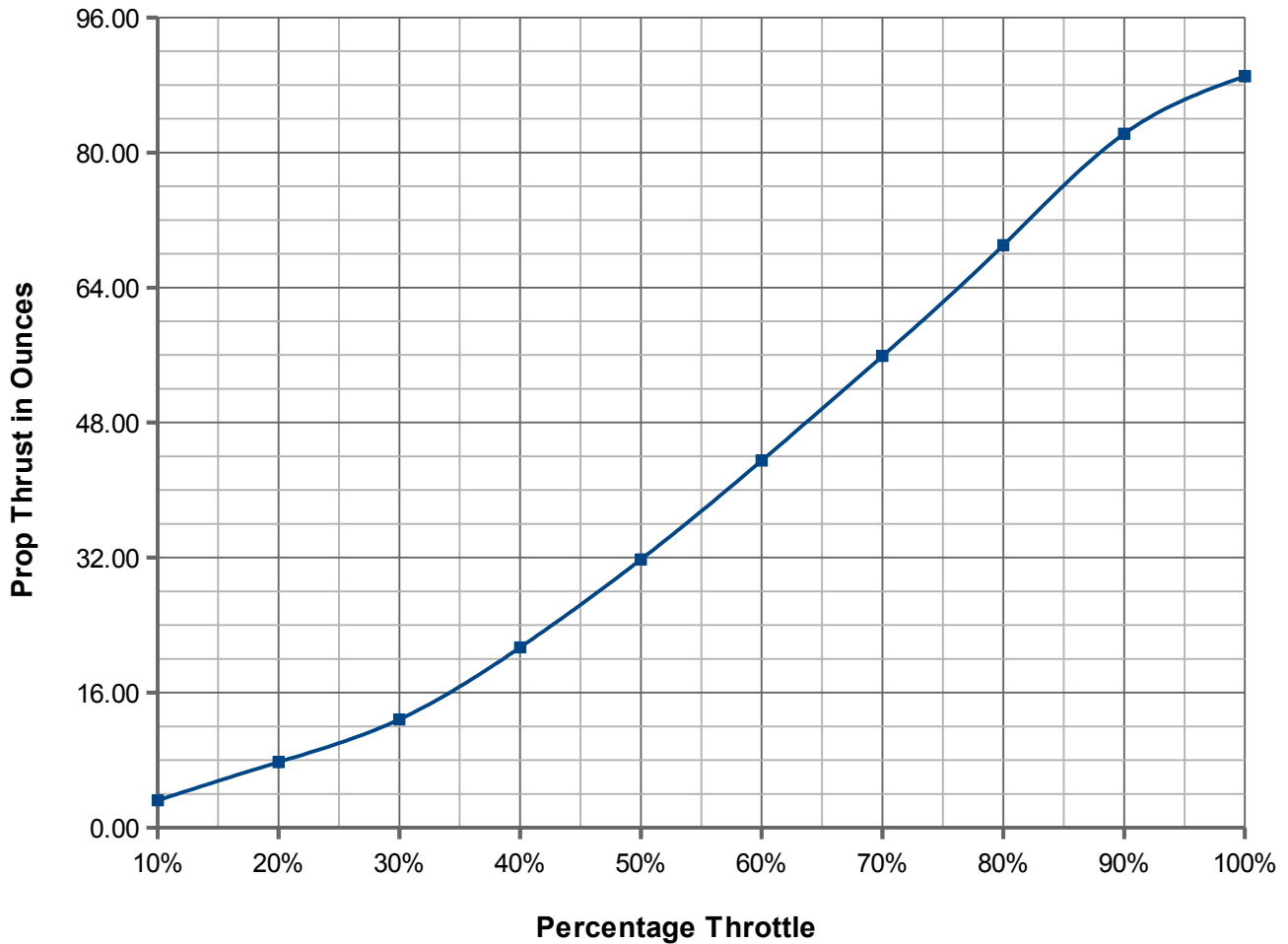
## Propeller RPM vs Throttle Position



# Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	5.92	1,471	92.1	3.25	15.56
20%	1.09	16.18	2,266	220.5	7.77	13.63
30%	2.08	30.80	2,893	364.1	12.83	11.82
40%	3.96	58.64	3,648	606.1	21.36	10.34
50%	6.84	101.28	4,398	901.7	31.78	8.90
60%	10.79	159.69	5,078	1234.0	43.49	7.73
70%	15.69	232.26	5,730	1585.8	55.89	6.83
80%	21.94	324.67	6,332	1958.4	69.02	6.03
90%	29.25	432.87	6,865	2333.1	82.22	5.39
100%	33.65	498.02	7,143	2526.0	89.02	5.07

## Propeller Thrust vs Throttle Position



# Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	5.92	1,471	92.1	3.25	15.56
20%	1.09	16.18	2,266	220.5	7.77	13.63
30%	2.08	30.80	2,893	364.1	12.83	11.82
40%	3.96	58.64	3,648	606.1	21.36	10.34
50%	6.84	101.28	4,398	901.7	31.78	8.90
60%	10.79	159.69	5,078	1234.0	43.49	7.73
70%	15.69	232.26	5,730	1585.8	55.89	6.83
80%	21.94	324.67	6,332	1958.4	69.02	6.03
90%	29.25	432.87	6,865	2333.1	82.22	5.39
100%	33.65	498.02	7,143	2526.0	89.02	5.07

## Propeller Efficiency vs Throttle Position

