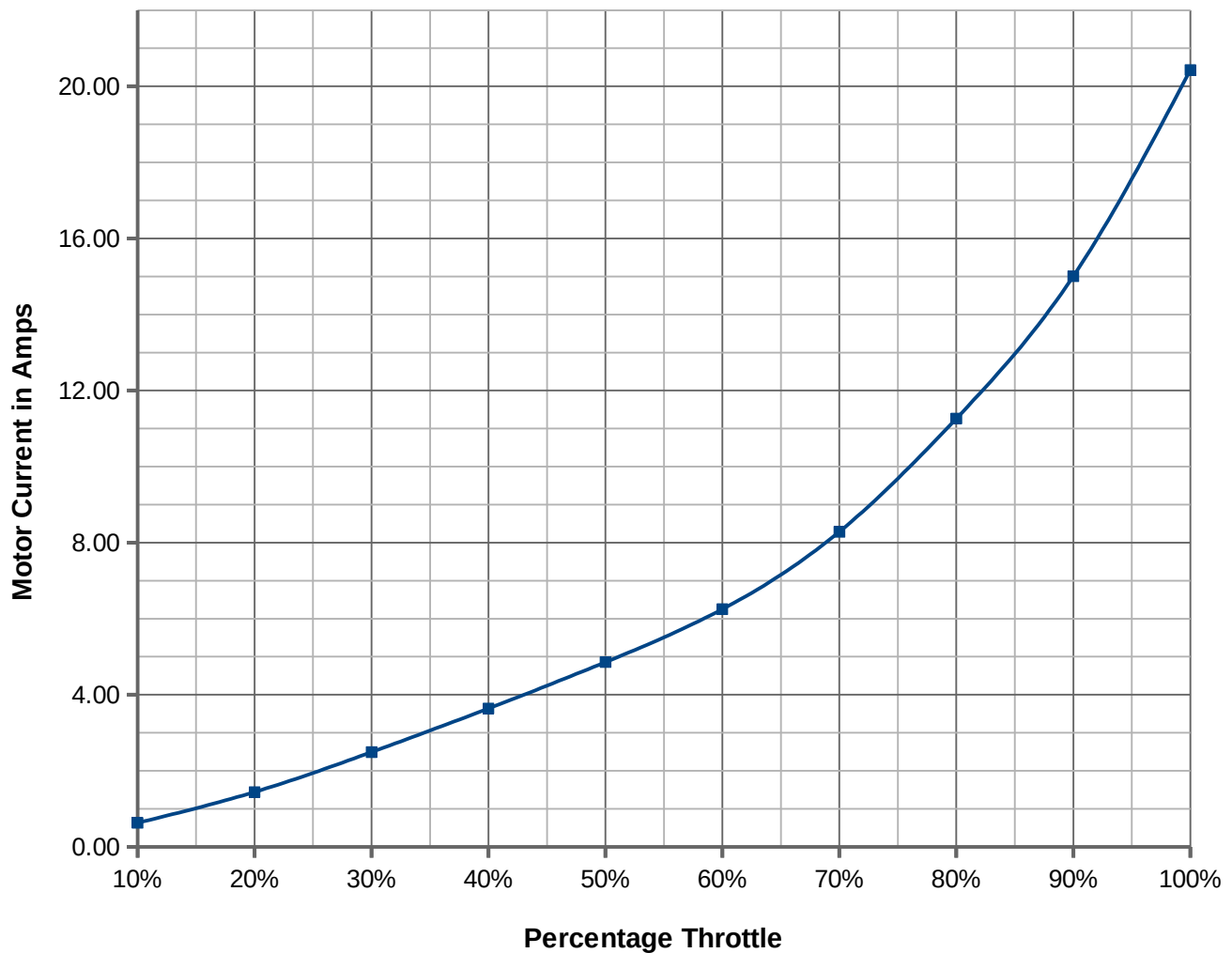


# Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with APC 4x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.63	9.34	6,633	41.1	1.45	4.40
20%	1.44	21.37	9,929	92.7	3.27	4.34
30%	2.49	36.90	12,541	147.5	5.20	4.00
40%	3.64	53.87	14,667	203.3	7.17	3.77
50%	4.86	71.90	16,423	256.3	9.04	3.56
60%	6.25	92.51	18,121	314.5	11.09	3.40
70%	8.29	122.65	20,278	395.3	13.94	3.22
80%	11.27	166.72	22,756	499.5	17.62	3.00
90%	15.01	222.10	25,206	615.0	21.69	2.77
100%	20.43	302.35	27,851	760.9	26.84	2.52

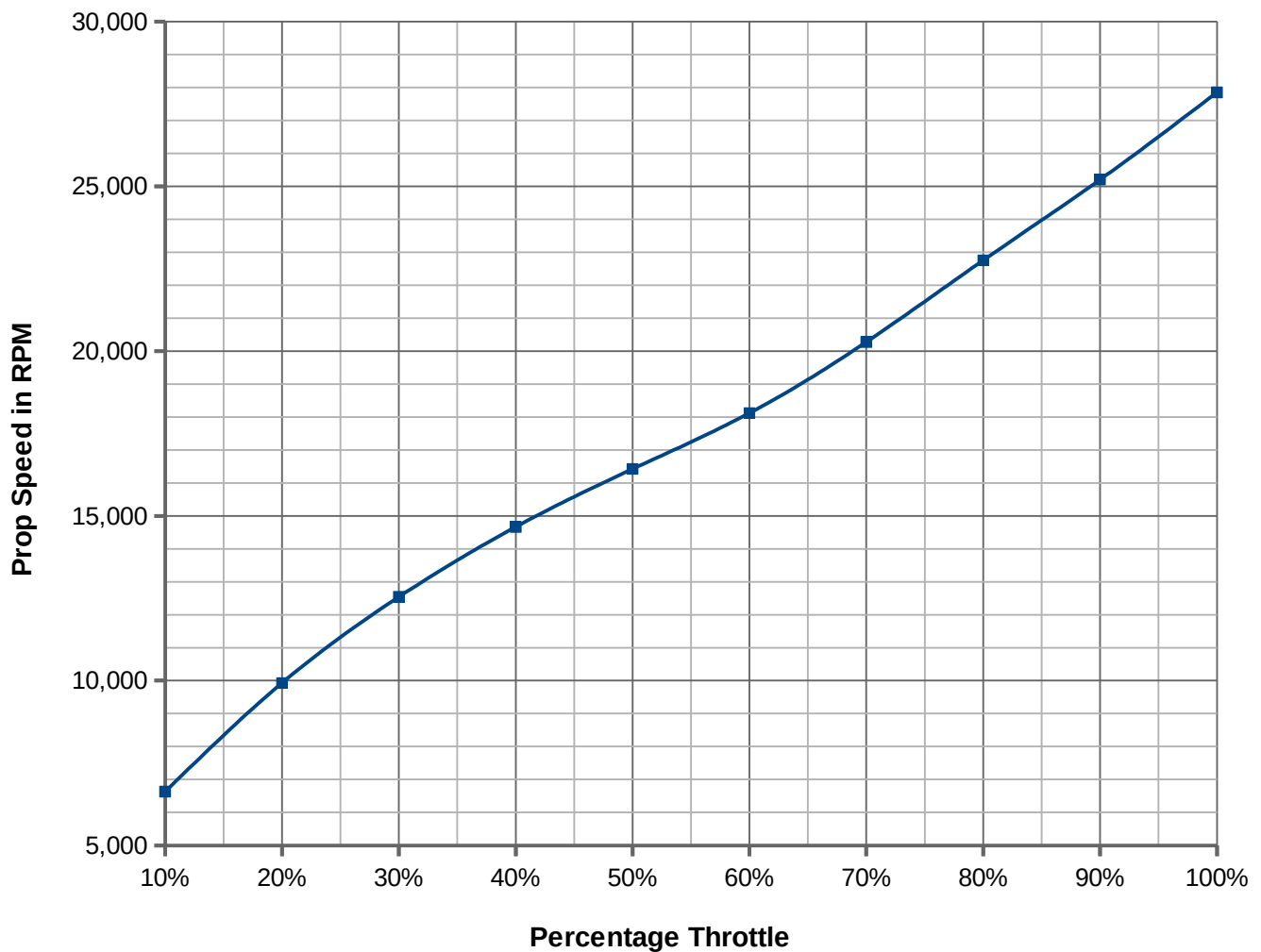
## Motor Current vs Throttle Position



# Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with APC 4x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.63	9.34	6,633	41.1	1.45	4.40
20%	1.44	21.37	9,929	92.7	3.27	4.34
30%	2.49	36.90	12,541	147.5	5.20	4.00
40%	3.64	53.87	14,667	203.3	7.17	3.77
50%	4.86	71.90	16,423	256.3	9.04	3.56
60%	6.25	92.51	18,121	314.5	11.09	3.40
70%	8.29	122.65	20,278	395.3	13.94	3.22
80%	11.27	166.72	22,756	499.5	17.62	3.00
90%	15.01	222.10	25,206	615.0	21.69	2.77
100%	20.43	302.35	27,851	760.9	26.84	2.52

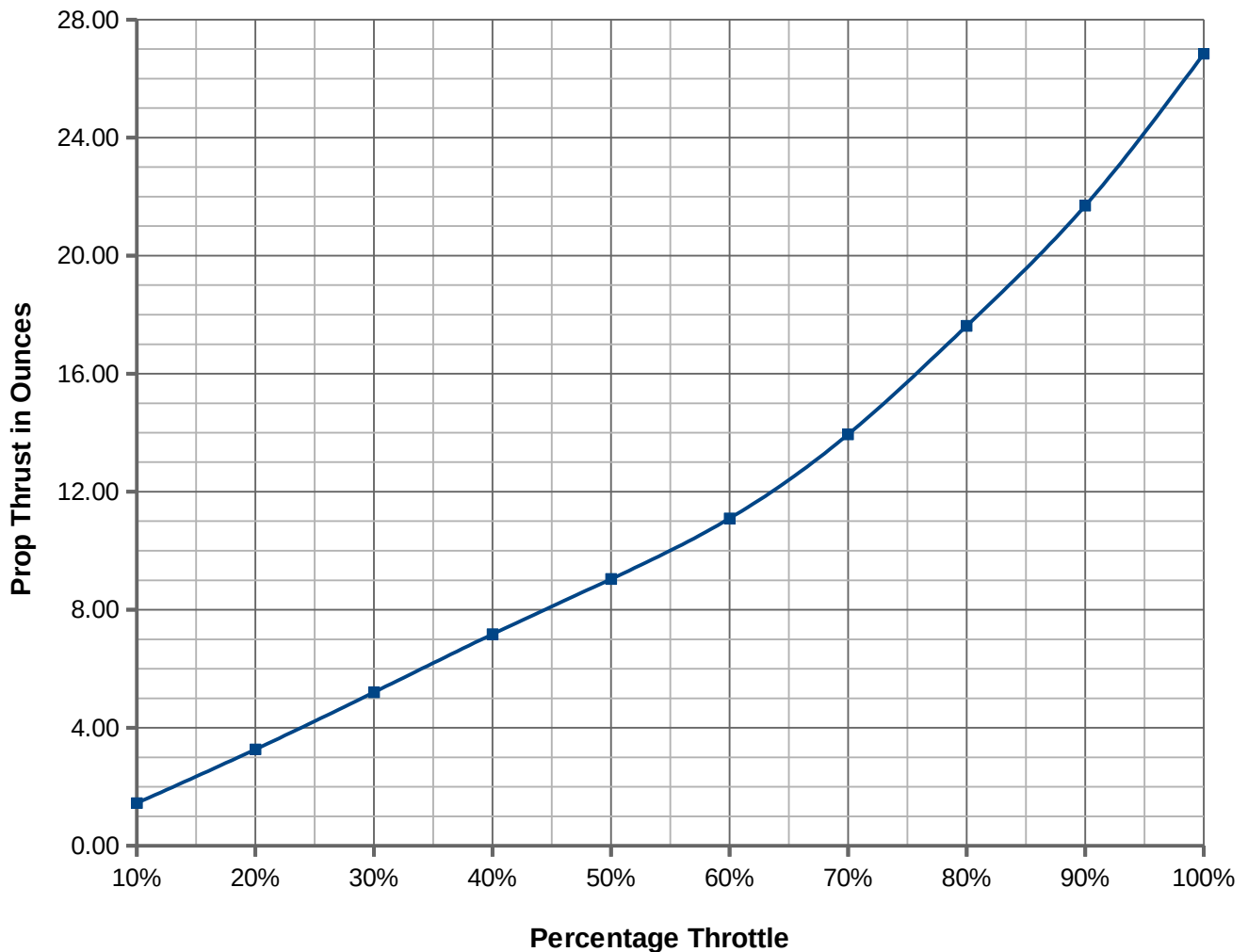
## Propeller RPM vs Throttle Position



# Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with APC 4x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.63	9.34	6,633	41.1	1.45	4.40
20%	1.44	21.37	9,929	92.7	3.27	4.34
30%	2.49	36.90	12,541	147.5	5.20	4.00
40%	3.64	53.87	14,667	203.3	7.17	3.77
50%	4.86	71.90	16,423	256.3	9.04	3.56
60%	6.25	92.51	18,121	314.5	11.09	3.40
70%	8.29	122.65	20,278	395.3	13.94	3.22
80%	11.27	166.72	22,756	499.5	17.62	3.00
90%	15.01	222.10	25,206	615.0	21.69	2.77
100%	20.43	302.35	27,851	760.9	26.84	2.52

## Propeller Thrust vs Throttle Position



# Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with APC 4x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.63	9.34	6,633	41.1	1.45	4.40
20%	1.44	21.37	9,929	92.7	3.27	4.34
30%	2.49	36.90	12,541	147.5	5.20	4.00
40%	3.64	53.87	14,667	203.3	7.17	3.77
50%	4.86	71.90	16,423	256.3	9.04	3.56
60%	6.25	92.51	18,121	314.5	11.09	3.40
70%	8.29	122.65	20,278	395.3	13.94	3.22
80%	11.27	166.72	22,756	499.5	17.62	3.00
90%	15.01	222.10	25,206	615.0	21.69	2.77
100%	20.43	302.35	27,851	760.9	26.84	2.52

## Propeller Efficiency vs Throttle Position

