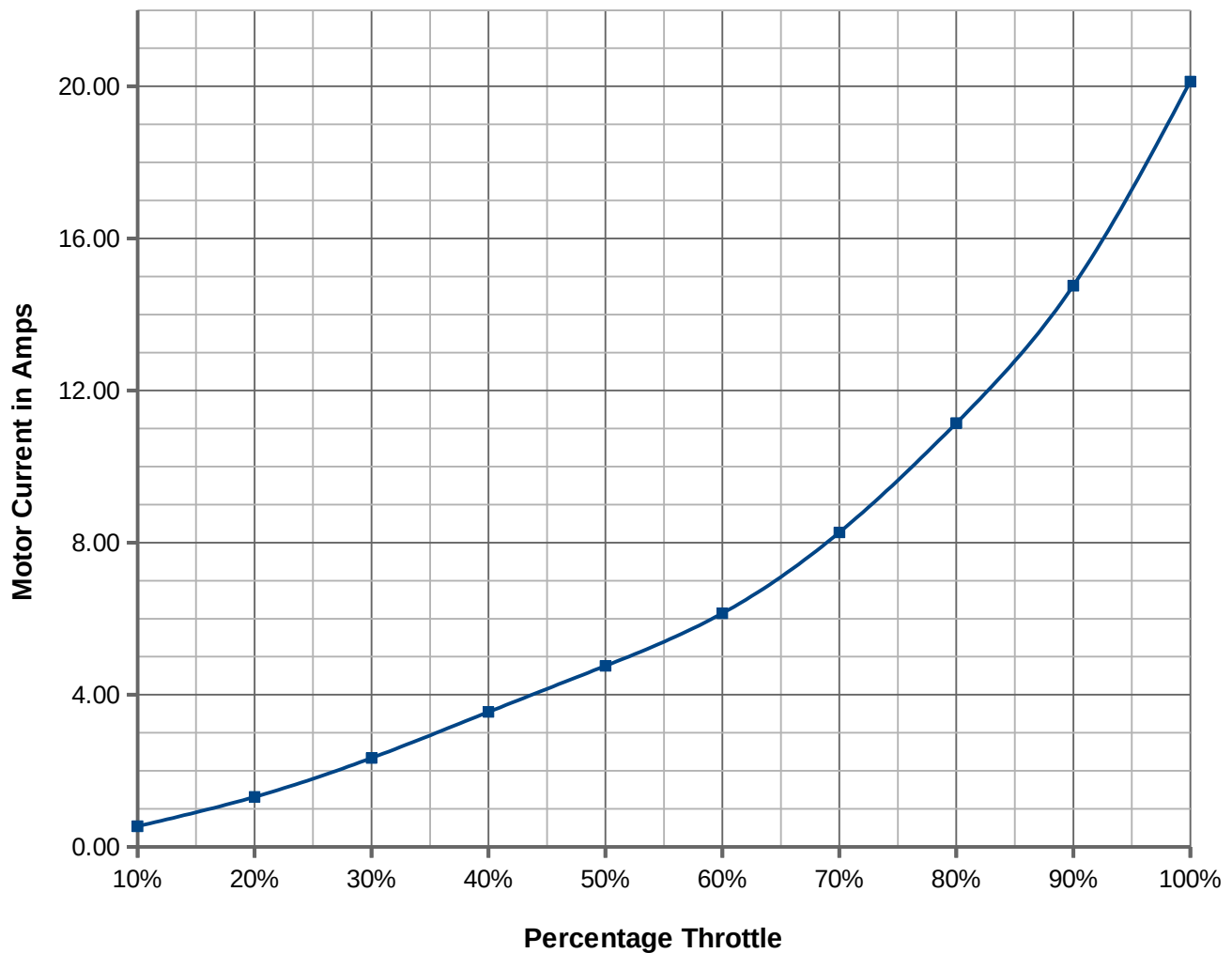


# Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with HQ 4x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.54	8.05	6,275	35.2	1.24	4.37
20%	1.31	19.45	9,519	84.9	2.99	4.37
30%	2.34	34.59	12,169	139.2	4.91	4.02
40%	3.55	52.51	14,383	195.0	6.88	3.71
50%	4.76	70.45	16,160	247.0	8.71	3.51
60%	6.14	90.92	17,861	303.6	10.71	3.34
70%	8.27	122.40	20,014	380.8	13.43	3.11
80%	11.15	164.98	22,523	476.3	16.80	2.89
90%	14.76	218.46	24,950	588.1	20.74	2.69
100%	20.13	297.85	27,785	725.4	25.59	2.44

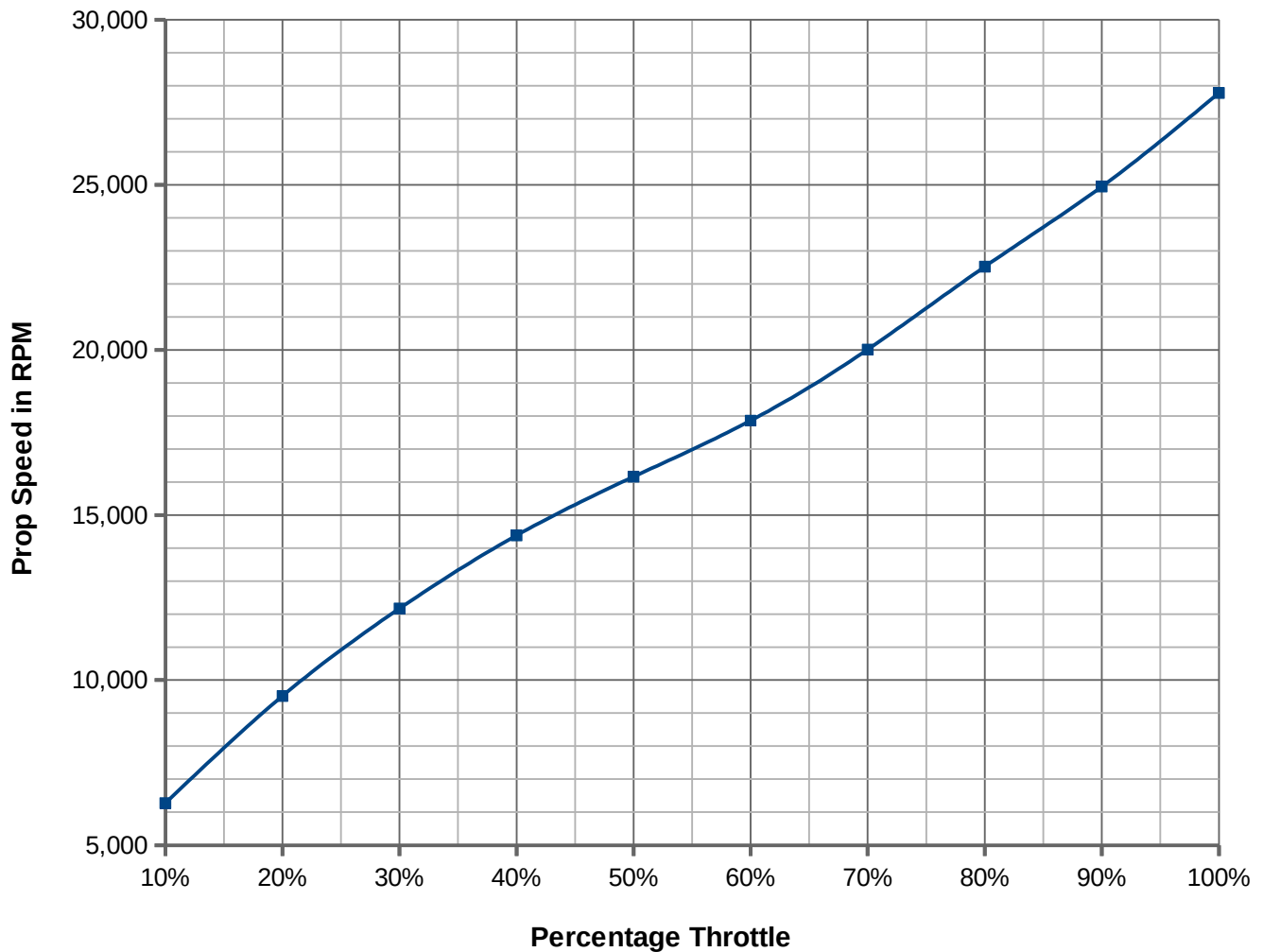
## Motor Current vs Throttle Position



# Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with HQ 4x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.54	8.05	6,275	35.2	1.24	4.37
20%	1.31	19.45	9,519	84.9	2.99	4.37
30%	2.34	34.59	12,169	139.2	4.91	4.02
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50%	4.76	70.45	16,160	247.0	8.71	3.51
60%	6.14	90.92	17,861	303.6	10.71	3.34
70%	8.27	122.40	20,014	380.8	13.43	3.11
80%	11.15	164.98	22,523	476.3	16.80	2.89
90%	14.76	218.46	24,950	588.1	20.74	2.69
100%	20.13	297.85	27,785	725.4	25.59	2.44

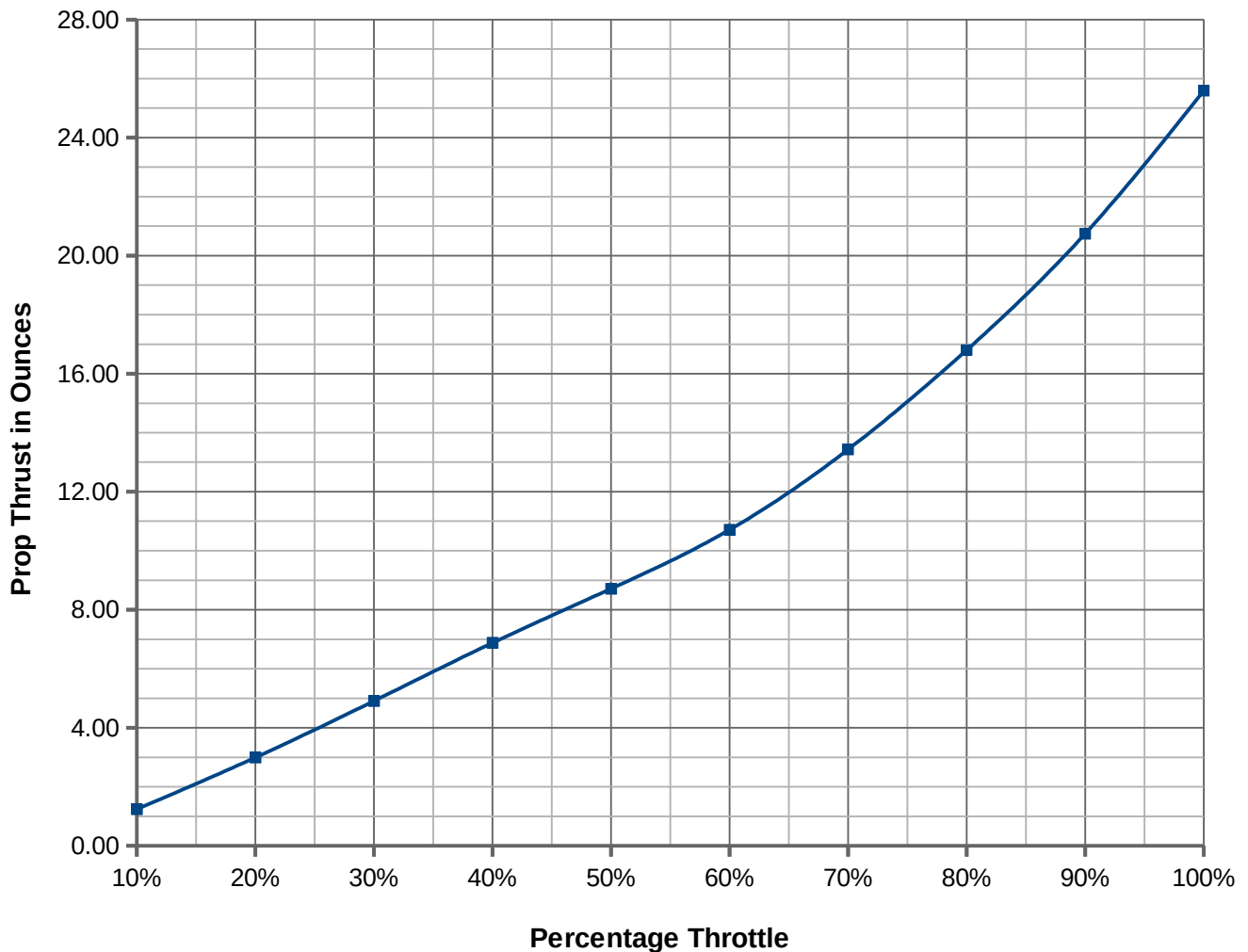
## Propeller RPM vs Throttle Position



# Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with HQ 4x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.54	8.05	6,275	35.2	1.24	4.37
20%	1.31	19.45	9,519	84.9	2.99	4.37
30%	2.34	34.59	12,169	139.2	4.91	4.02
40%	3.55	52.51	14,383	195.0	6.88	3.71
50%	4.76	70.45	16,160	247.0	8.71	3.51
60%	6.14	90.92	17,861	303.6	10.71	3.34
70%	8.27	122.40	20,014	380.8	13.43	3.11
80%	11.15	164.98	22,523	476.3	16.80	2.89
90%	14.76	218.46	24,950	588.1	20.74	2.69
100%	20.13	297.85	27,785	725.4	25.59	2.44

## Propeller Thrust vs Throttle Position



# Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with HQ 4x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.54	8.05	6,275	35.2	1.24	4.37
20%	1.31	19.45	9,519	84.9	2.99	4.37
30%	2.34	34.59	12,169	139.2	4.91	4.02
40%	3.55	52.51	14,383	195.0	6.88	3.71
50%	4.76	70.45	16,160	247.0	8.71	3.51
60%	6.14	90.92	17,861	303.6	10.71	3.34
70%	8.27	122.40	20,014	380.8	13.43	3.11
80%	11.15	164.98	22,523	476.3	16.80	2.89
90%	14.76	218.46	24,950	588.1	20.74	2.69
100%	20.13	297.85	27,785	725.4	25.59	2.44

## Propeller Efficiency vs Throttle Position

