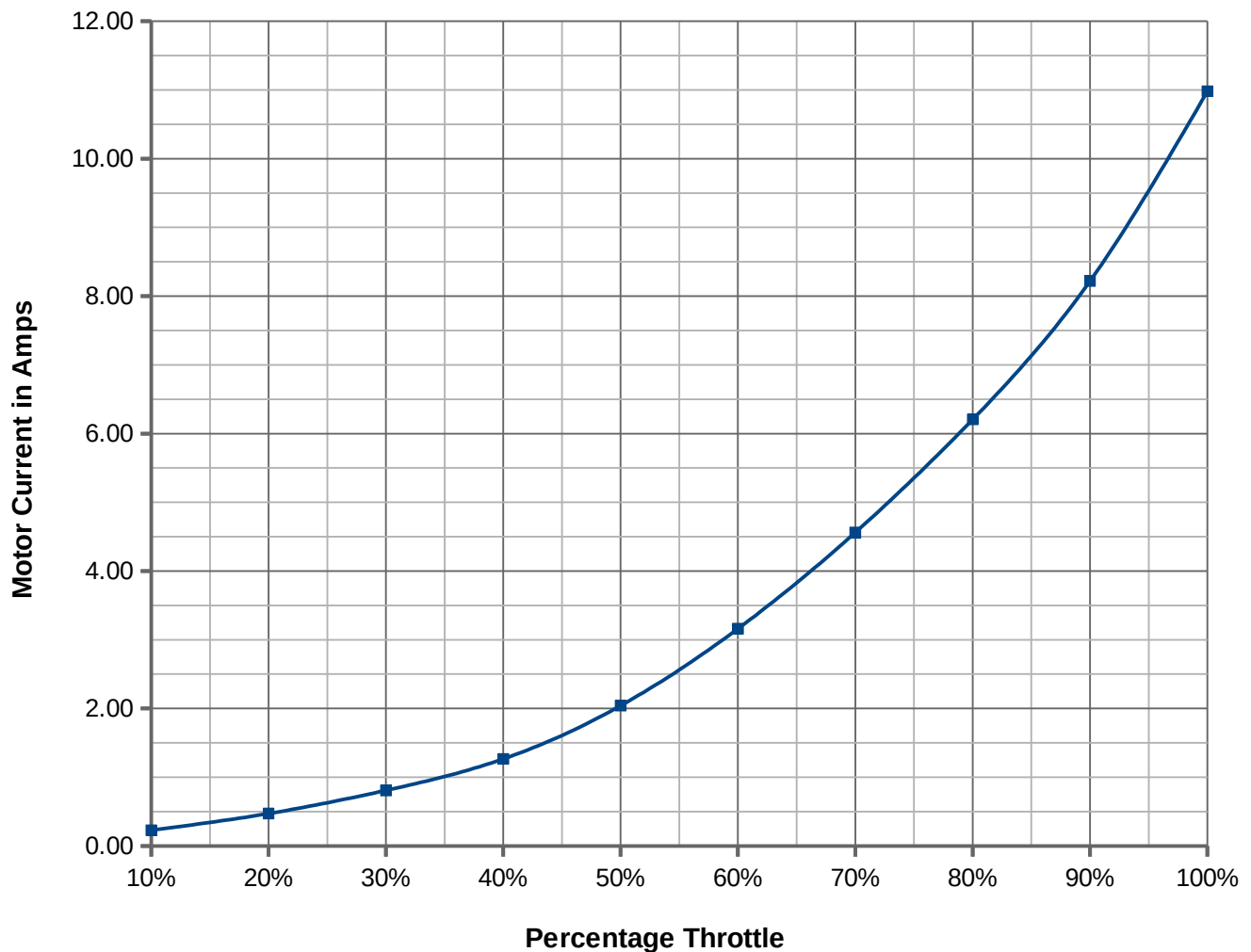


# Cobra CM-1806/30 Motor Test Data, Kv=2450

Data Collected at 11.1 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	2.53	3,513	18.0	0.63	7.11
20%	0.47	5.23	5,716	41.0	1.44	7.84
30%	0.81	8.97	7,527	69.5	2.45	7.75
40%	1.27	14.05	9,223	101.6	3.58	7.23
50%	2.04	22.66	11,189	150.3	5.30	6.63
60%	3.16	35.09	13,210	208.6	7.35	5.95
70%	4.56	50.62	15,120	267.5	9.43	5.28
80%	6.21	68.89	16,886	339.6	11.97	4.93
90%	8.22	91.24	18,563	408.0	14.38	4.47
100%	10.98	121.89	19,898	499.8	17.61	4.10

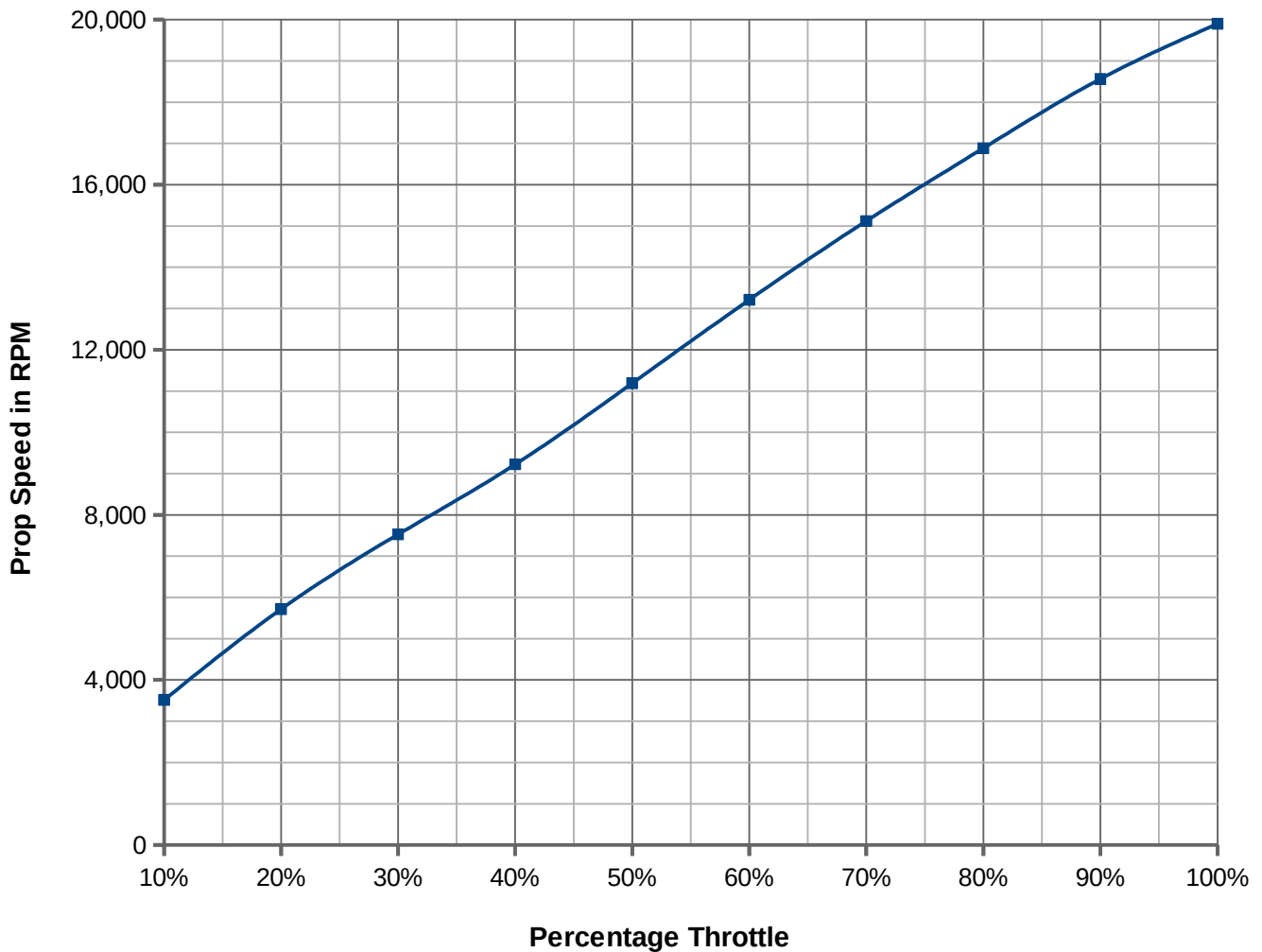
## Motor Current vs Throttle Position



# Cobra CM-1806/30 Motor Test Data, Kv=2450

Data Collected at 11.1 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	2.53	3,513	18.0	0.63	7.11
20%	0.47	5.23	5,716	41.0	1.44	7.84
30%	0.81	8.97	7,527	69.5	2.45	7.75
40%	1.27	14.05	9,223	101.6	3.58	7.23
50%	2.04	22.66	11,189	150.3	5.30	6.63
60%	3.16	35.09	13,210	208.6	7.35	5.95
70%	4.56	50.62	15,120	267.5	9.43	5.28
80%	6.21	68.89	16,886	339.6	11.97	4.93
90%	8.22	91.24	18,563	408.0	14.38	4.47
100%	10.98	121.89	19,898	499.8	17.61	4.10

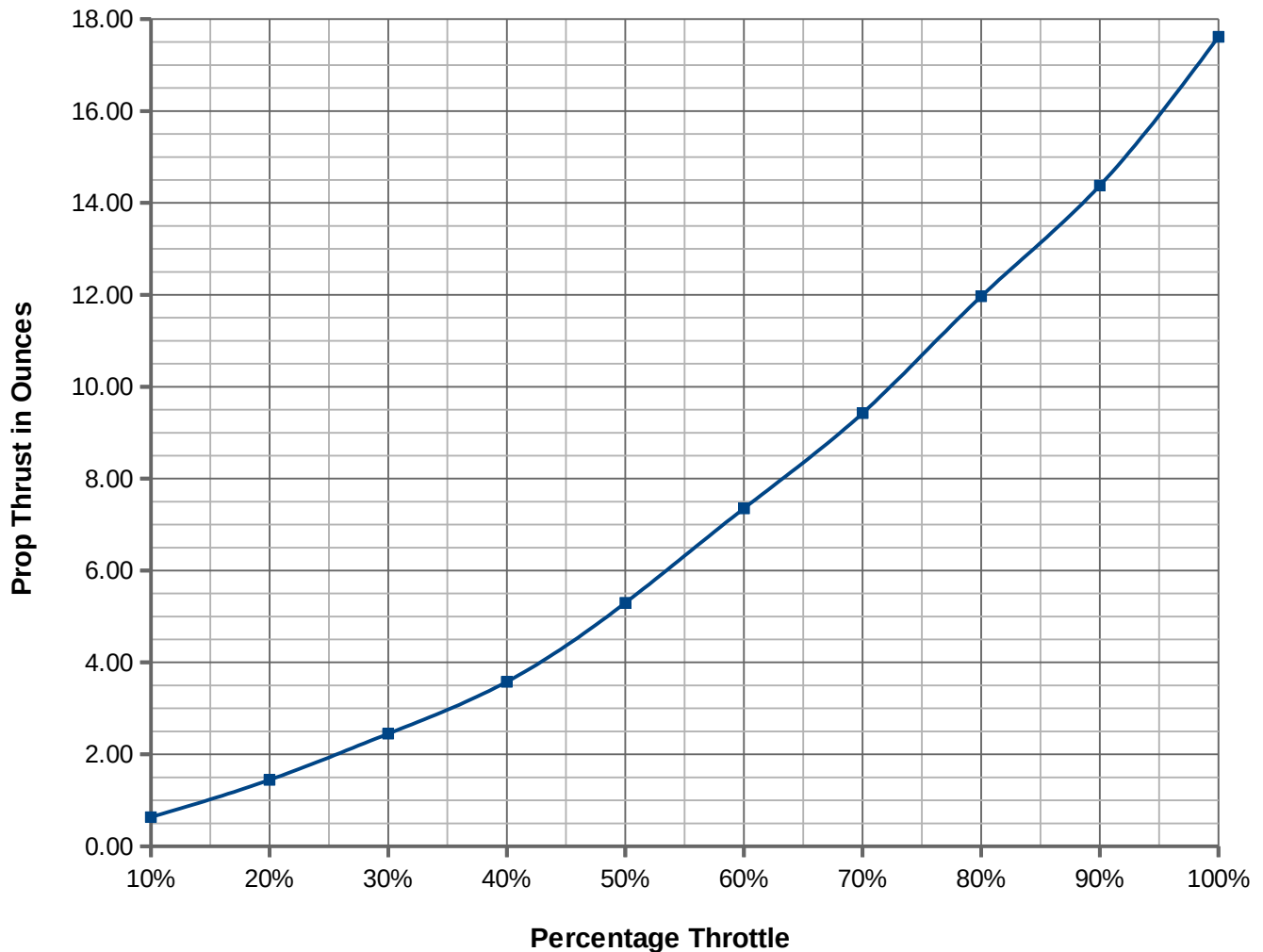
## Propeller RPM vs Throttle Position



# Cobra CM-1806/30 Motor Test Data, Kv=2450

Data Collected at 11.1 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	2.53	3,513	18.0	0.63	7.11
20%	0.47	5.23	5,716	41.0	1.44	7.84
30%	0.81	8.97	7,527	69.5	2.45	7.75
40%	1.27	14.05	9,223	101.6	3.58	7.23
50%	2.04	22.66	11,189	150.3	5.30	6.63
60%	3.16	35.09	13,210	208.6	7.35	5.95
70%	4.56	50.62	15,120	267.5	9.43	5.28
80%	6.21	68.89	16,886	339.6	11.97	4.93
90%	8.22	91.24	18,563	408.0	14.38	4.47
100%	10.98	121.89	19,898	499.8	17.61	4.10

## Propeller Thrust vs Throttle Position



## Cobra CM-1806/30 Motor Test Data, Kv=2450

Data Collected at 11.1 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.23	2.53	3,513	18.0	0.63	7.11
20%	0.47	5.23	5,716	41.0	1.44	7.84
30%	0.81	8.97	7,527	69.5	2.45	7.75
40%	1.27	14.05	9,223	101.6	3.58	7.23
50%	2.04	22.66	11,189	150.3	5.30	6.63
60%	3.16	35.09	13,210	208.6	7.35	5.95
70%	4.56	50.62	15,120	267.5	9.43	5.28
80%	6.21	68.89	16,886	339.6	11.97	4.93
90%	8.22	91.24	18,563	408.0	14.38	4.47
100%	10.98	121.89	19,898	499.8	17.61	4.10

### Propeller Efficiency vs Throttle Position

