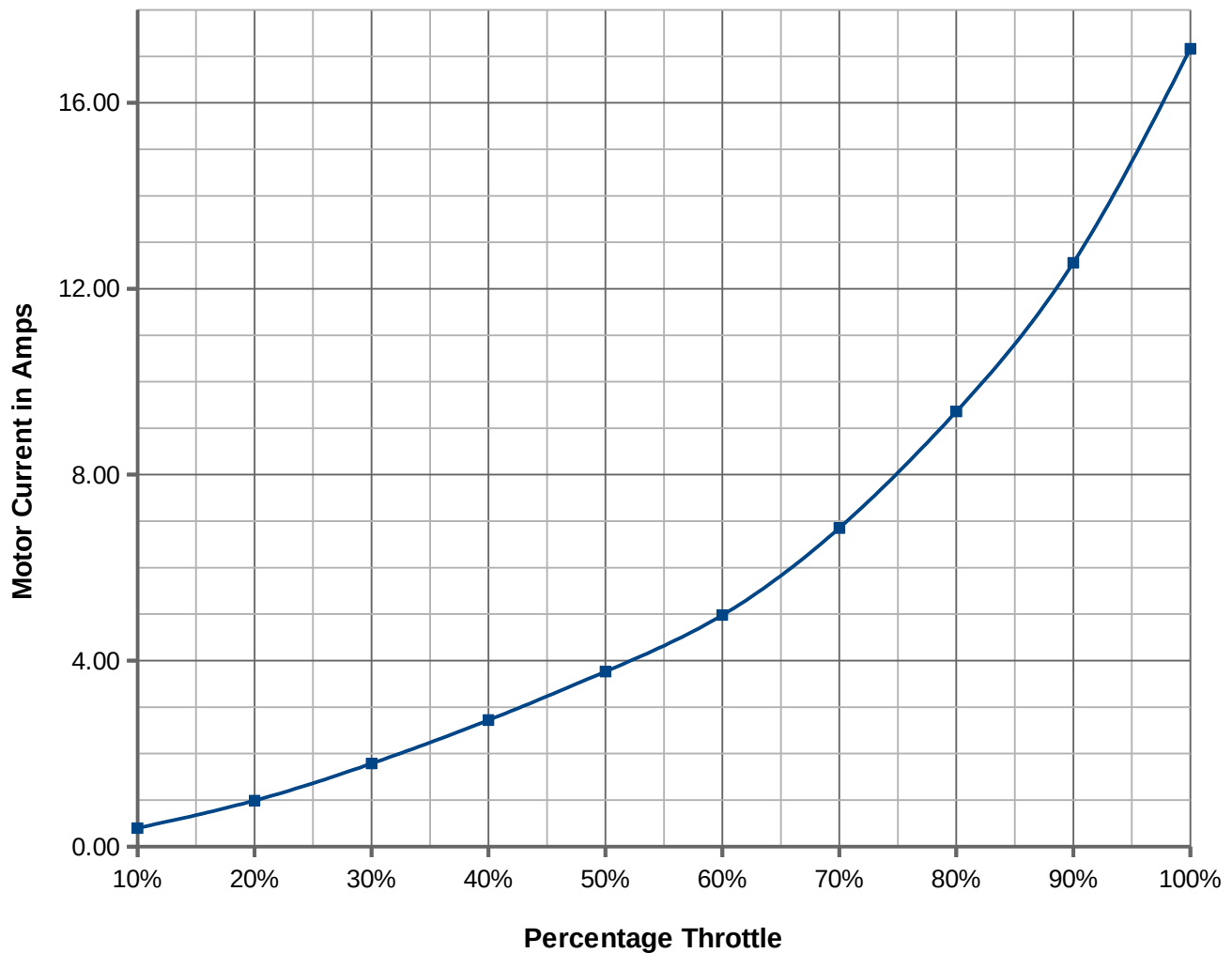


Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 11.1 volts with HQ 5x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	4.42	4,220	28.0	0.99	6.34
20%	0.99	10.98	6,757	70.9	2.50	6.46
30%	1.79	19.81	8,702	121.5	4.29	6.13
40%	2.72	30.19	10,392	172.5	6.08	5.71
50%	3.77	41.79	11,792	222.9	7.86	5.33
60%	4.98	55.28	13,221	275.3	9.71	4.98
70%	6.85	76.08	14,913	354.5	12.50	4.66
80%	9.36	103.91	16,833	450.0	15.87	4.33
90%	12.56	139.43	18,687	556.6	19.63	3.99
100%	17.16	190.52	20,917	694.6	24.50	3.65

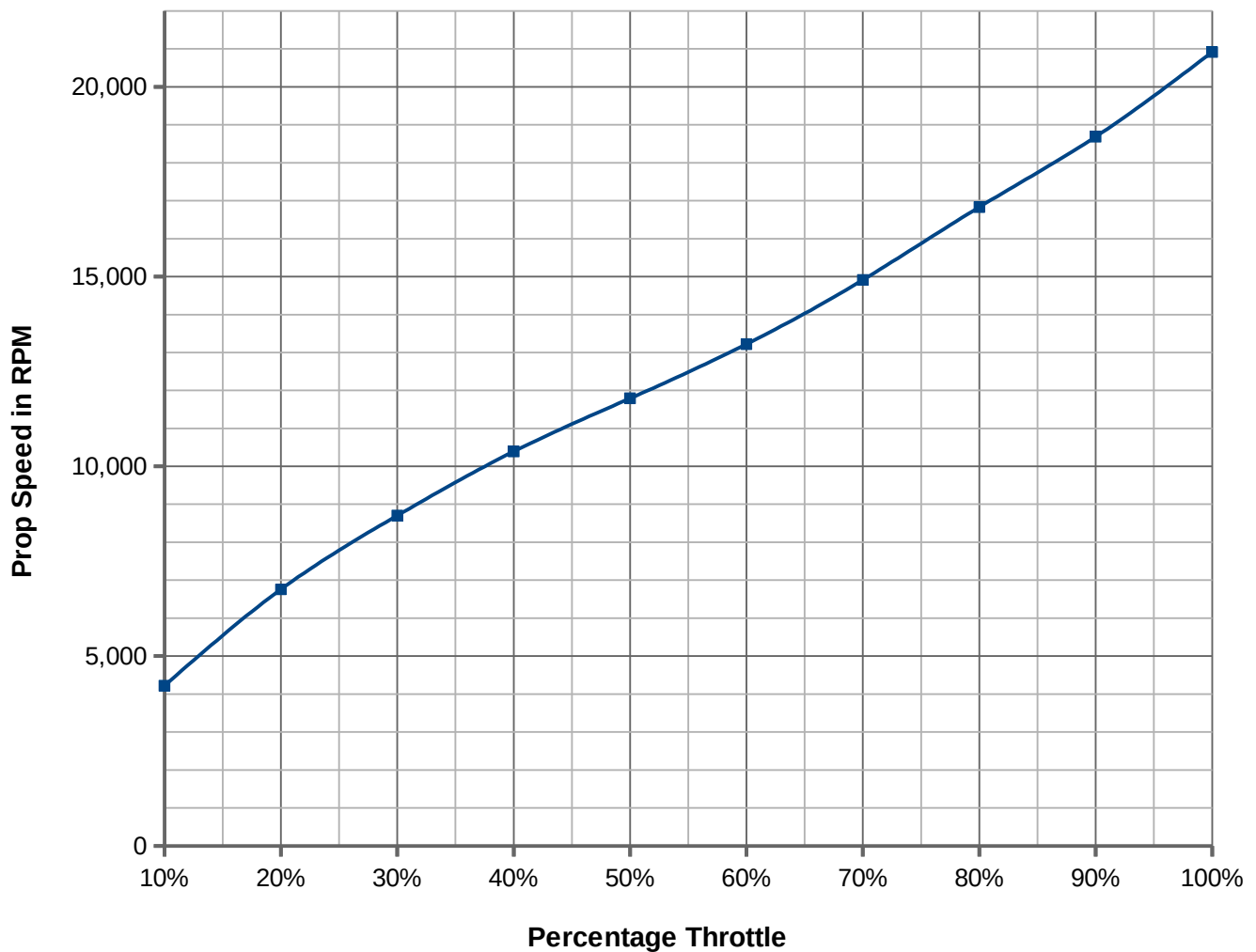
Motor Current vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 11.1 volts with HQ 5x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	4.42	4,220	28.0	0.99	6.34
20%	0.99	10.98	6,757	70.9	2.50	6.46
30%	1.79	19.81	8,702	121.5	4.29	6.13
40%	2.72	30.19	10,392	172.5	6.08	5.71
50%	3.77	41.79	11,792	222.9	7.86	5.33
60%	4.98	55.28	13,221	275.3	9.71	4.98
70%	6.85	76.08	14,913	354.5	12.50	4.66
80%	9.36	103.91	16,833	450.0	15.87	4.33
90%	12.56	139.43	18,687	556.6	19.63	3.99
100%	17.16	190.52	20,917	694.6	24.50	3.65

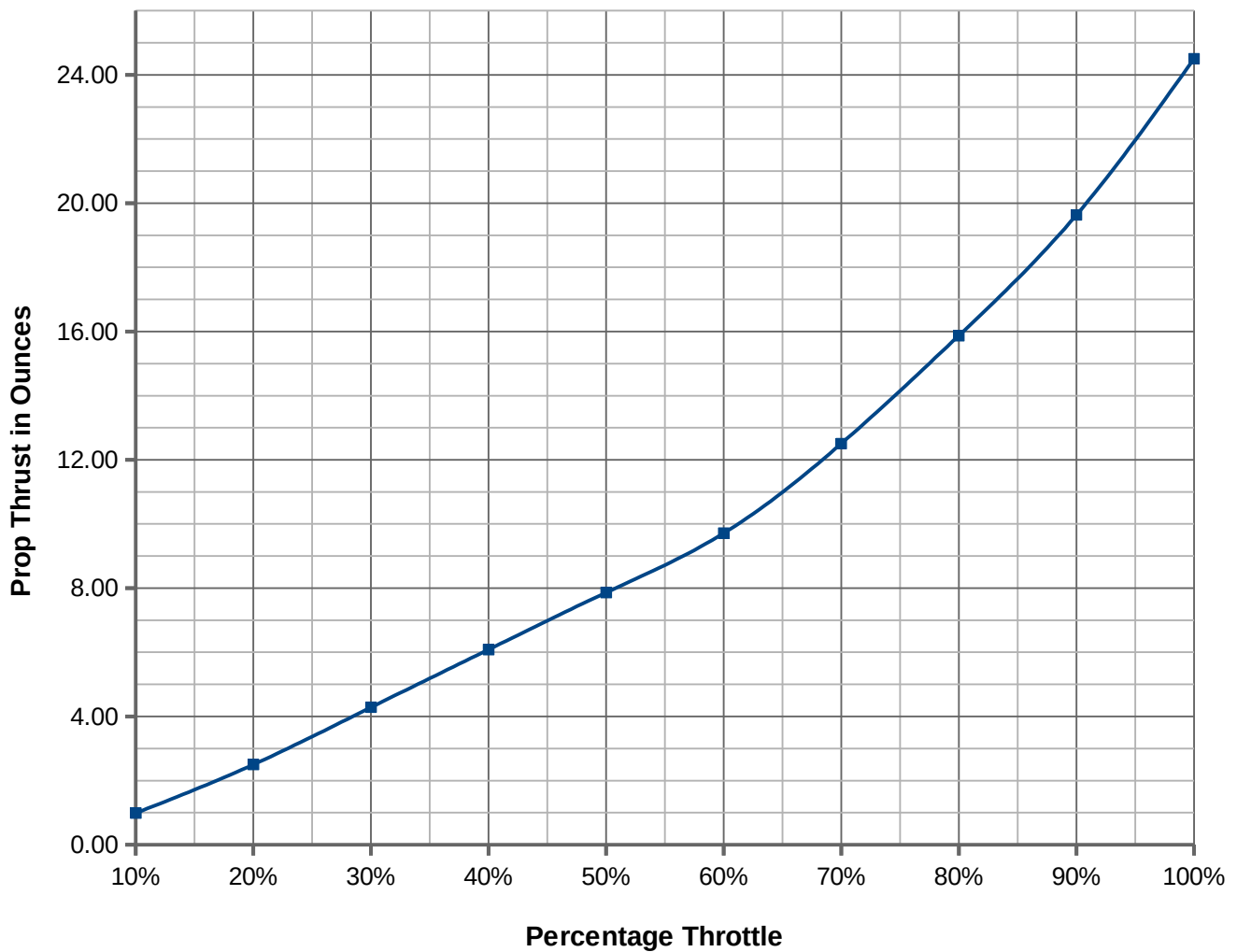
Propeller RPM vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 11.1 volts with HQ 5x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	4.42	4,220	28.0	0.99	6.34
20%	0.99	10.98	6,757	70.9	2.50	6.46
30%	1.79	19.81	8,702	121.5	4.29	6.13
40%	2.72	30.19	10,392	172.5	6.08	5.71
50%	3.77	41.79	11,792	222.9	7.86	5.33
60%	4.98	55.28	13,221	275.3	9.71	4.98
70%	6.85	76.08	14,913	354.5	12.50	4.66
80%	9.36	103.91	16,833	450.0	15.87	4.33
90%	12.56	139.43	18,687	556.6	19.63	3.99
100%	17.16	190.52	20,917	694.6	24.50	3.65

Propeller Thrust vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 11.1 volts with HQ 5x4x3 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.40	4.42	4,220	28.0	0.99	6.34
20%	0.99	10.98	6,757	70.9	2.50	6.46
30%	1.79	19.81	8,702	121.5	4.29	6.13
40%	2.72	30.19	10,392	172.5	6.08	5.71
50%	3.77	41.79	11,792	222.9	7.86	5.33
60%	4.98	55.28	13,221	275.3	9.71	4.98
70%	6.85	76.08	14,913	354.5	12.50	4.66
80%	9.36	103.91	16,833	450.0	15.87	4.33
90%	12.56	139.43	18,687	556.6	19.63	3.99
100%	17.16	190.52	20,917	694.6	24.50	3.65

Propeller Efficiency vs Throttle Position

