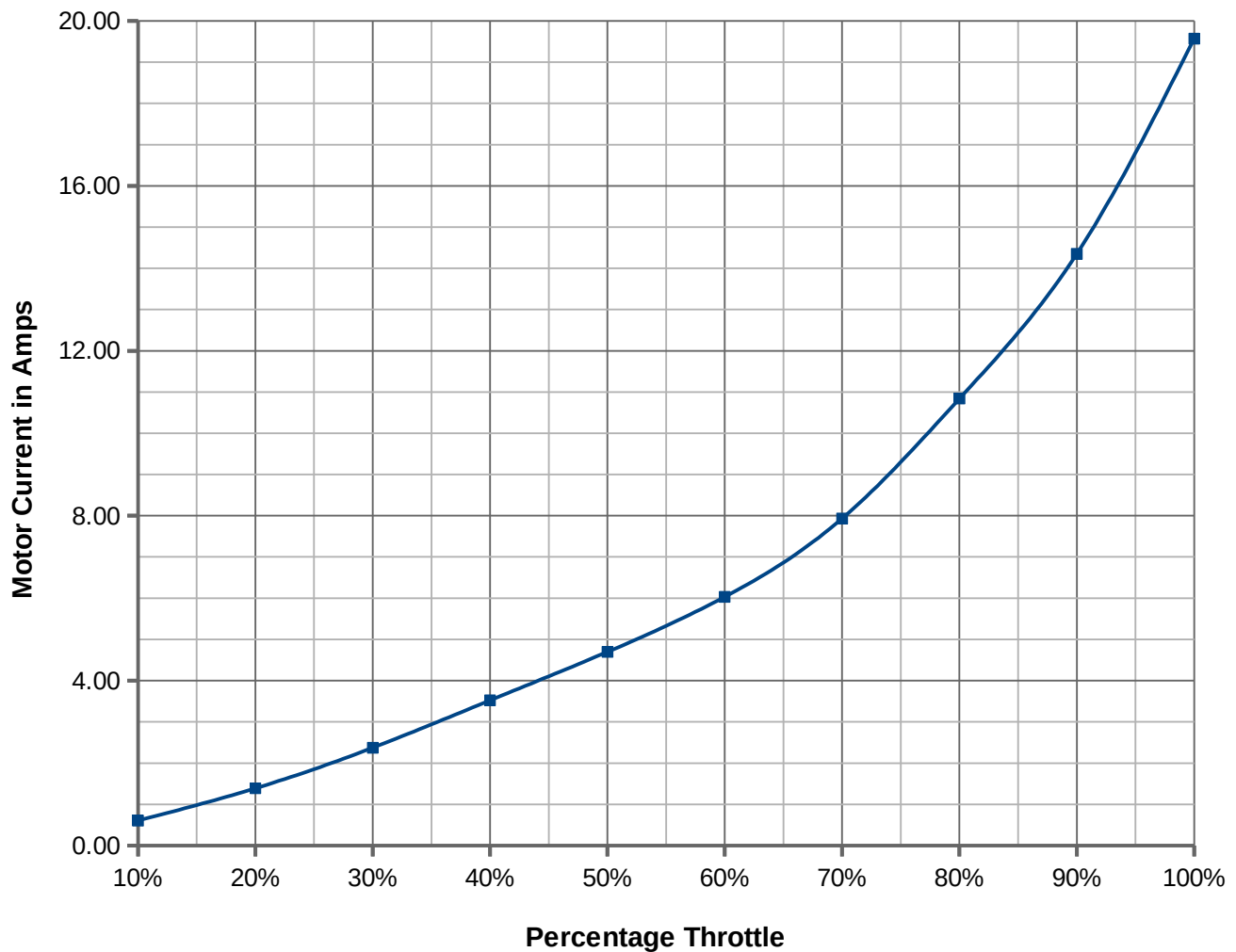


Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.61	8.95	6,754	50.0	1.76	5.58
20%	1.39	20.56	10,005	114.1	4.02	5.55
30%	2.37	35.12	12,603	179.0	6.31	5.10
40%	3.52	52.14	14,818	247.3	8.72	4.74
50%	4.70	69.52	16,593	312.4	11.02	4.49
60%	6.03	89.27	18,321	380.6	13.43	4.26
70%	7.93	117.36	20,398	470.9	16.61	4.01
80%	10.84	160.43	22,904	594.9	20.98	3.71
90%	14.35	212.39	25,367	729.5	25.73	3.43
100%	19.57	289.65	28,039	900.7	31.77	3.11

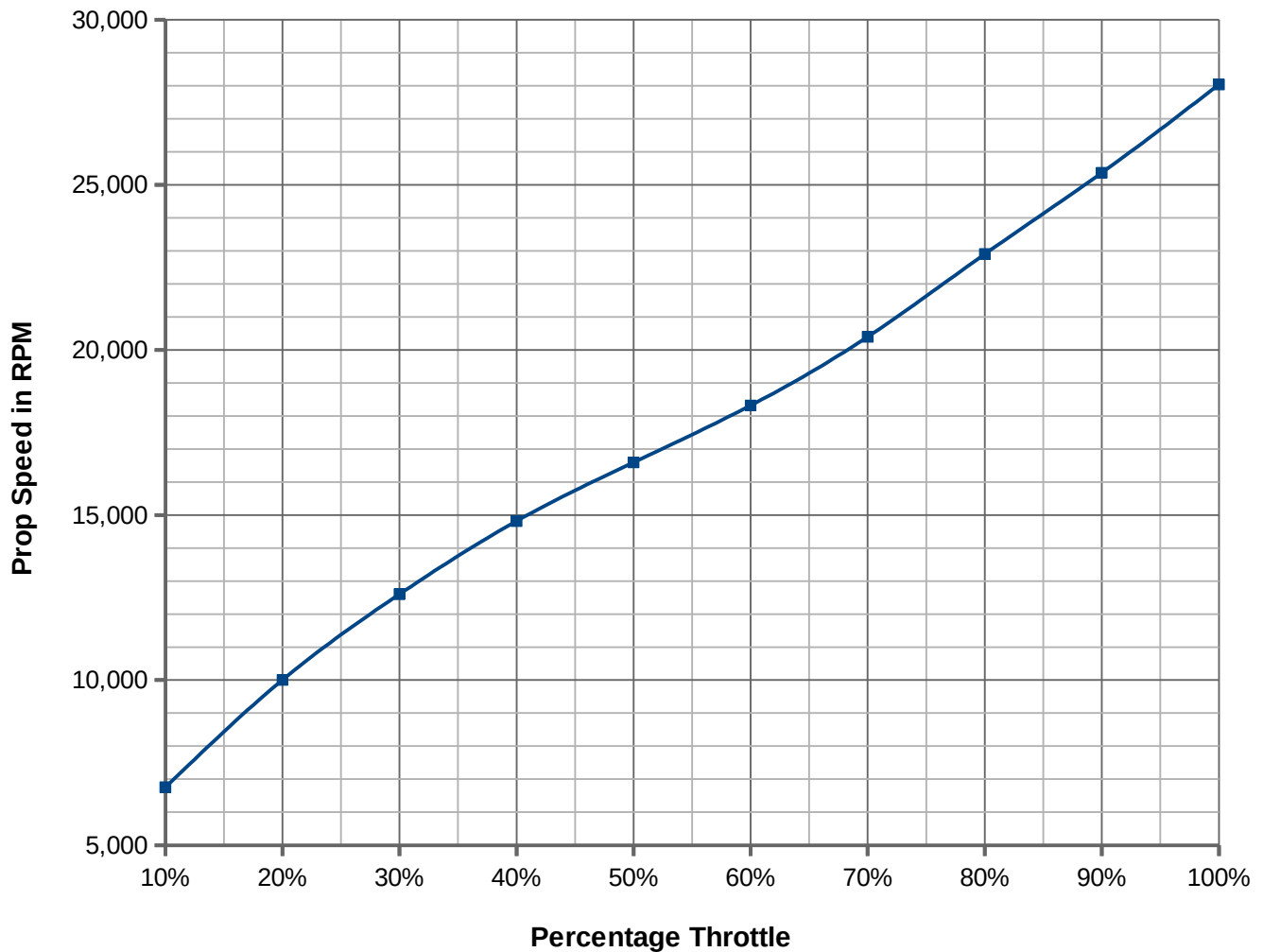
Motor Current vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.61	8.95	6,754	50.0	1.76	5.58
20%	1.39	20.56	10,005	114.1	4.02	5.55
30%	2.37	35.12	12,603	179.0	6.31	5.10
40%	3.52	52.14	14,818	247.3	8.72	4.74
50%	4.70	69.52	16,593	312.4	11.02	4.49
60%	6.03	89.27	18,321	380.6	13.43	4.26
70%	7.93	117.36	20,398	470.9	16.61	4.01
80%	10.84	160.43	22,904	594.9	20.98	3.71
90%	14.35	212.39	25,367	729.5	25.73	3.43
100%	19.57	289.65	28,039	900.7	31.77	3.11

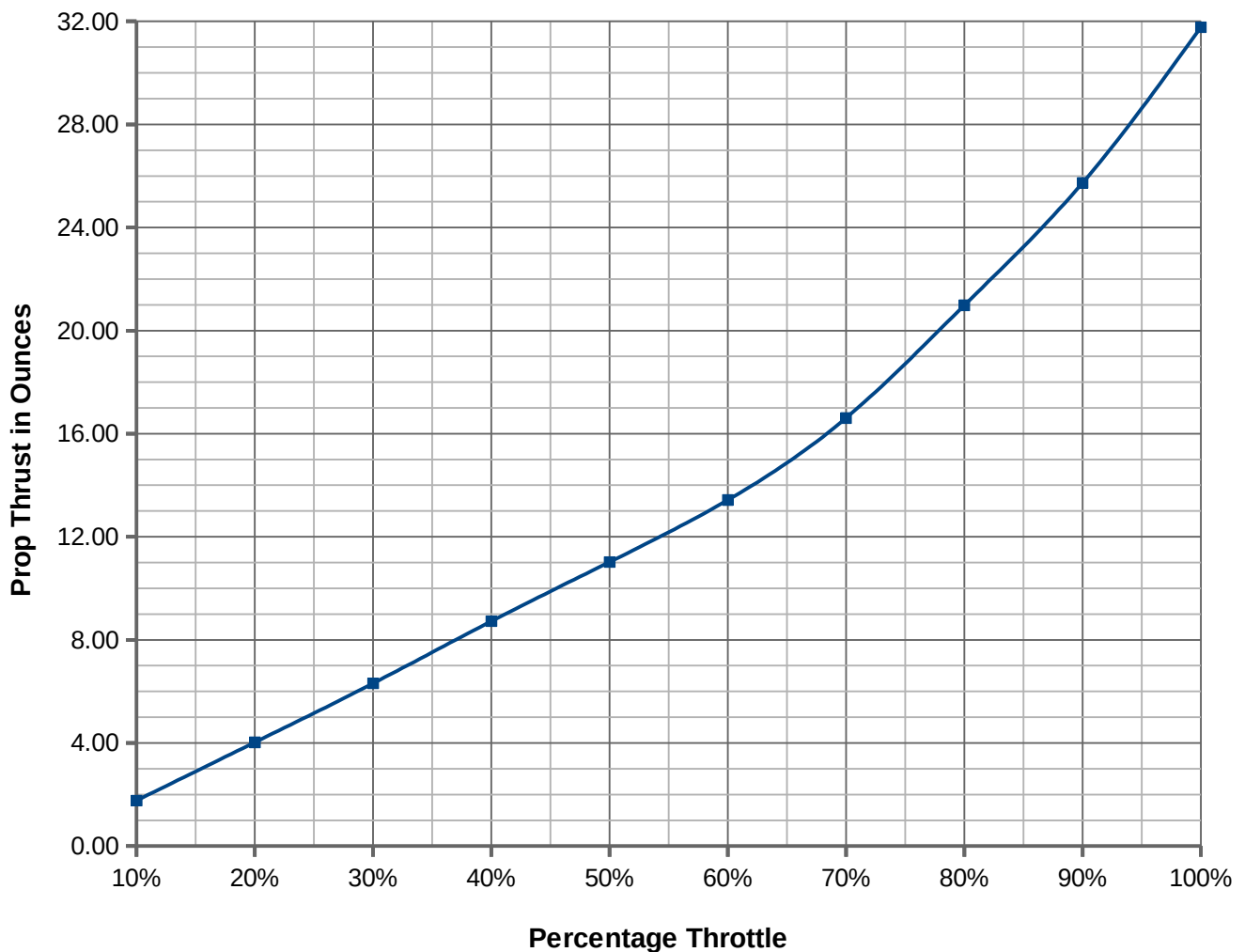
Propeller RPM vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.61	8.95	6,754	50.0	1.76	5.58
20%	1.39	20.56	10,005	114.1	4.02	5.55
30%	2.37	35.12	12,603	179.0	6.31	5.10
40%	3.52	52.14	14,818	247.3	8.72	4.74
50%	4.70	69.52	16,593	312.4	11.02	4.49
60%	6.03	89.27	18,321	380.6	13.43	4.26
70%	7.93	117.36	20,398	470.9	16.61	4.01
80%	10.84	160.43	22,904	594.9	20.98	3.71
90%	14.35	212.39	25,367	729.5	25.73	3.43
100%	19.57	289.65	28,039	900.7	31.77	3.11

Propeller Thrust vs Throttle Position



Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 14.8 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.61	8.95	6,754	50.0	1.76	5.58
20%	1.39	20.56	10,005	114.1	4.02	5.55
30%	2.37	35.12	12,603	179.0	6.31	5.10
40%	3.52	52.14	14,818	247.3	8.72	4.74
50%	4.70	69.52	16,593	312.4	11.02	4.49
60%	6.03	89.27	18,321	380.6	13.43	4.26
70%	7.93	117.36	20,398	470.9	16.61	4.01
80%	10.84	160.43	22,904	594.9	20.98	3.71
90%	14.35	212.39	25,367	729.5	25.73	3.43
100%	19.57	289.65	28,039	900.7	31.77	3.11

Propeller Efficiency vs Throttle Position

