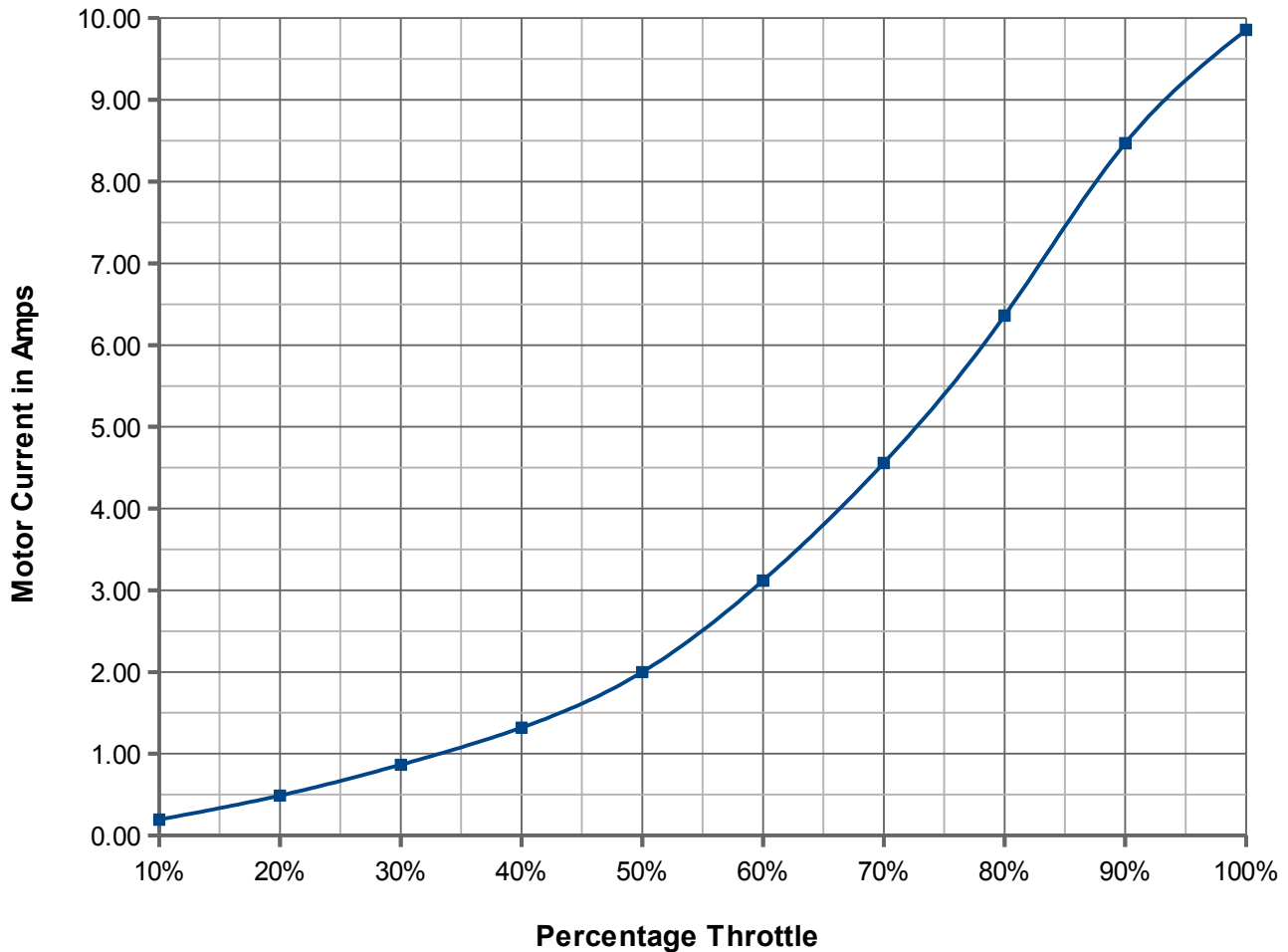


Cobra CM-2208/34 Motor Test Data, Kv=1200

Data Collected at 14.8 volts with APC 7x4-SF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.87	3,066	35.1	1.24	12.22
20%	0.49	7.22	4,687	73.4	2.59	10.16
30%	0.87	12.80	5,855	119.6	4.21	9.34
40%	1.32	19.52	6,836	164.6	5.80	8.43
50%	2.00	29.59	7,899	225.5	7.95	7.62
60%	3.12	46.15	9,141	314.4	11.08	6.81
70%	4.56	67.44	10,322	407.5	14.36	6.04
80%	6.36	94.14	11,331	511.7	18.03	5.44
90%	8.47	125.36	12,298	611.2	21.54	4.88
100%	9.86	145.88	12,825	672.9	23.71	4.61

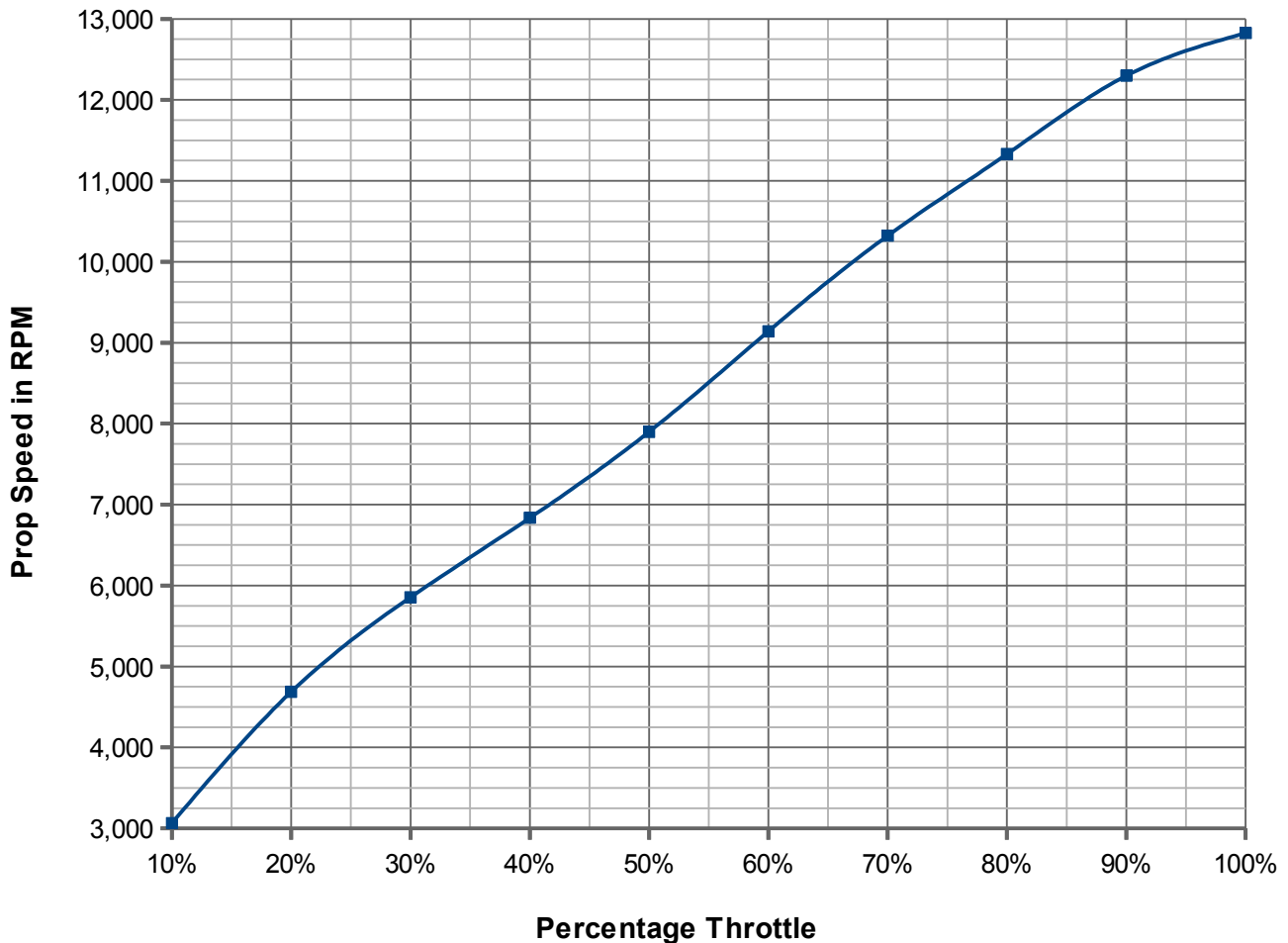
Motor Current vs Throttle Position



Cobra CM-2208/34 Motor Test Data, Kv=1200

Data Collected at 14.8 volts with APC 7x4-SF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.87	3,066	35.1	1.24	12.22
20%	0.49	7.22	4,687	73.4	2.59	10.16
30%	0.87	12.80	5,855	119.6	4.21	9.34
40%	1.32	19.52	6,836	164.6	5.80	8.43
50%	2.00	29.59	7,899	225.5	7.95	7.62
60%	3.12	46.15	9,141	314.4	11.08	6.81
70%	4.56	67.44	10,322	407.5	14.36	6.04
80%	6.36	94.14	11,331	511.7	18.03	5.44
90%	8.47	125.36	12,298	611.2	21.54	4.88
100%	9.86	145.88	12,825	672.9	23.71	4.61

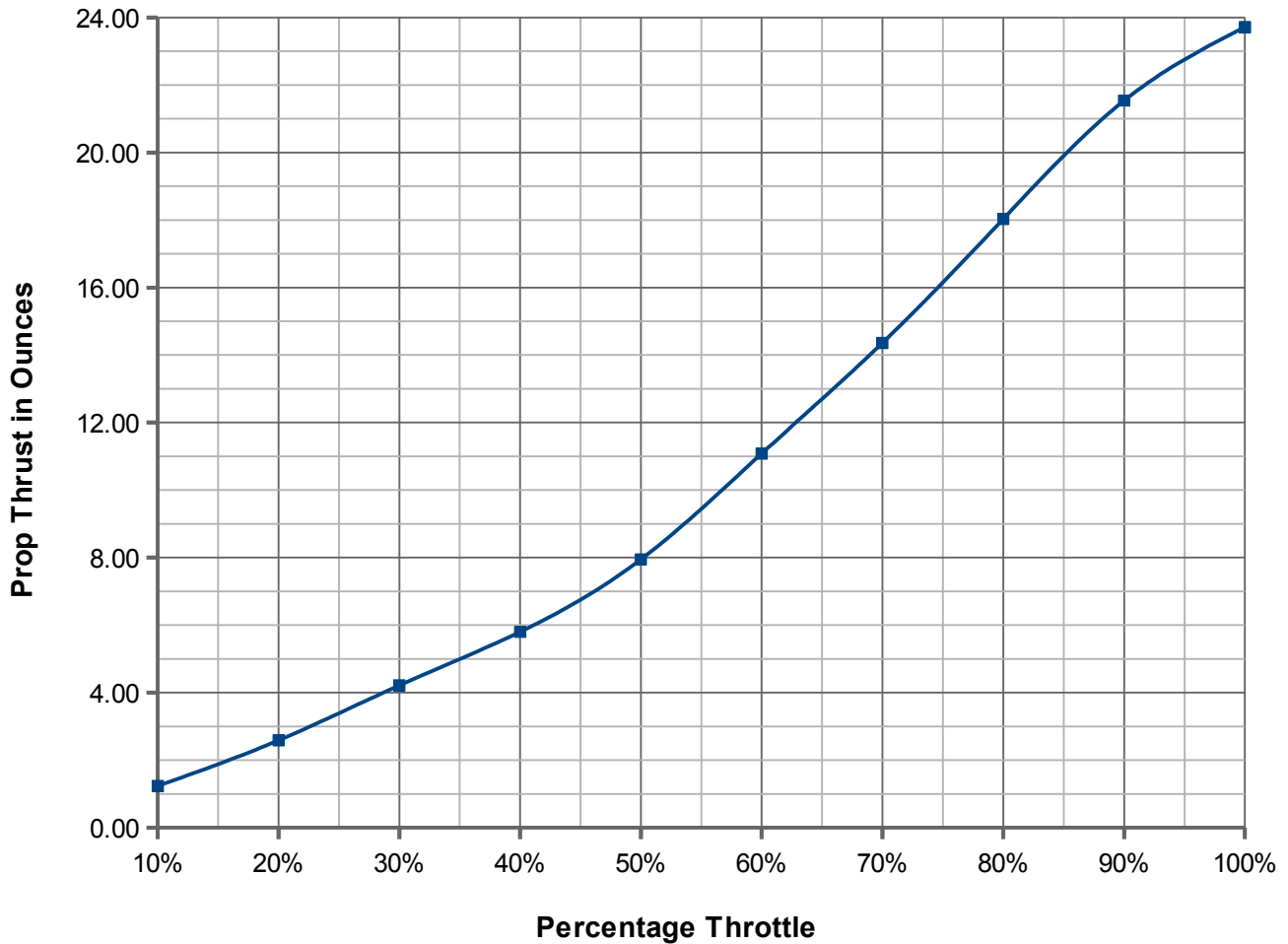
Propeller RPM vs Throttle Position



Cobra CM-2208/34 Motor Test Data, Kv=1200

Data Collected at 14.8 volts with APC 7x4-SF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.87	3,066	35.1	1.24	12.22
20%	0.49	7.22	4,687	73.4	2.59	10.16
30%	0.87	12.80	5,855	119.6	4.21	9.34
40%	1.32	19.52	6,836	164.6	5.80	8.43
50%	2.00	29.59	7,899	225.5	7.95	7.62
60%	3.12	46.15	9,141	314.4	11.08	6.81
70%	4.56	67.44	10,322	407.5	14.36	6.04
80%	6.36	94.14	11,331	511.7	18.03	5.44
90%	8.47	125.36	12,298	611.2	21.54	4.88
100%	9.86	145.88	12,825	672.9	23.71	4.61

Propeller Thrust vs Throttle Position



Cobra CM-2208/34 Motor Test Data, Kv=1200

Data Collected at 14.8 volts with APC 7x4-SF Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	2.87	3,066	35.1	1.24	12.22
20%	0.49	7.22	4,687	73.4	2.59	10.16
30%	0.87	12.80	5,855	119.6	4.21	9.34
40%	1.32	19.52	6,836	164.6	5.80	8.43
50%	2.00	29.59	7,899	225.5	7.95	7.62
60%	3.12	46.15	9,141	314.4	11.08	6.81
70%	4.56	67.44	10,322	407.5	14.36	6.04
80%	6.36	94.14	11,331	511.7	18.03	5.44
90%	8.47	125.36	12,298	611.2	21.54	4.88
100%	9.86	145.88	12,825	672.9	23.71	4.61

Propeller Efficiency vs Throttle Position

