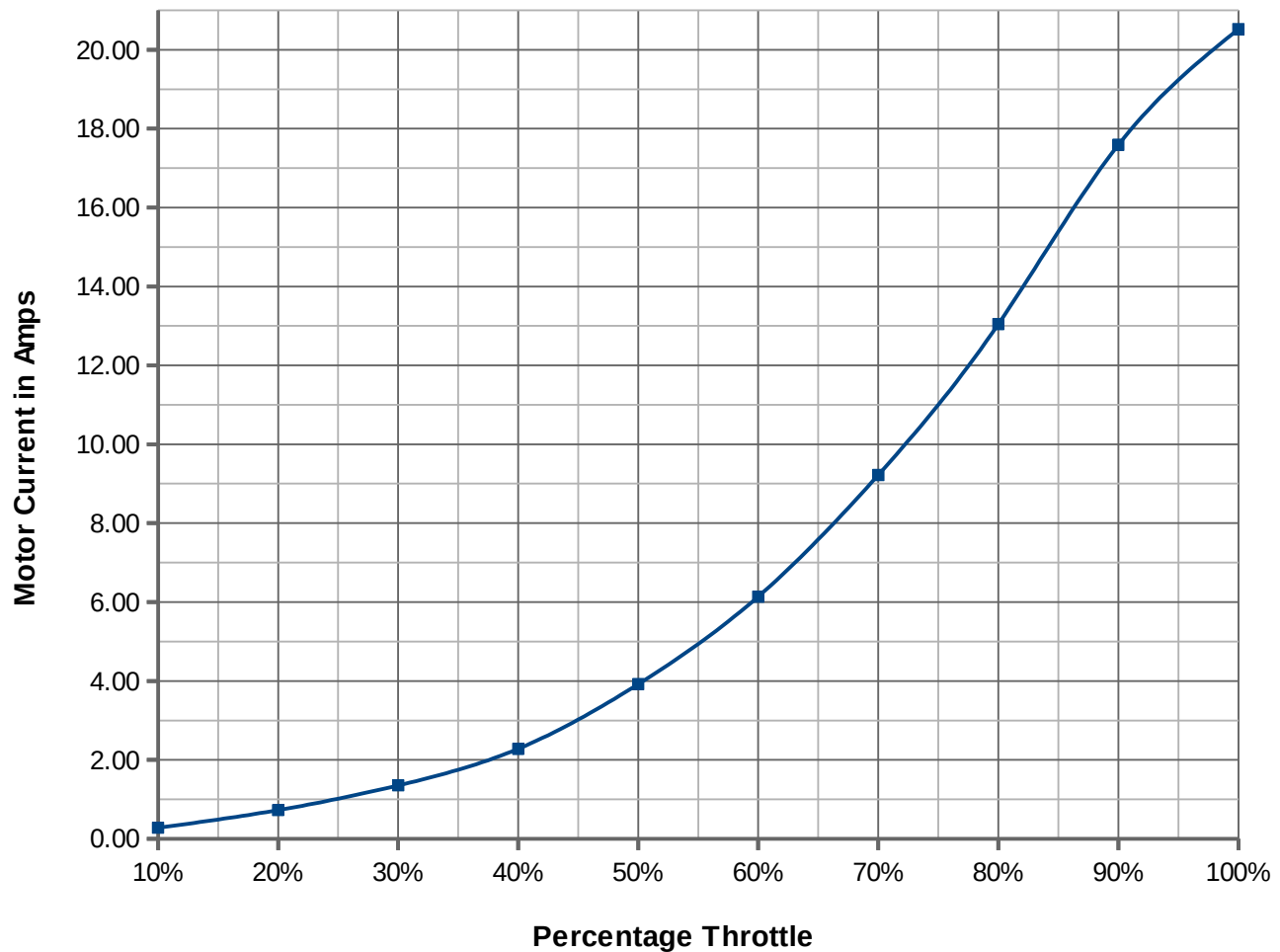


Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 14.8 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.28	4.16	1,659	64.6	2.28	15.53
20%	0.73	10.76	2,522	147.6	5.20	13.72
30%	1.35	20.04	3,200	248.6	8.76	12.41
40%	2.28	33.76	3,874	373.0	13.15	11.05
50%	3.92	58.03	4,686	561.9	19.80	9.68
60%	6.14	90.86	5,432	780.9	27.52	8.59
70%	9.22	136.49	6,200	1026.1	36.16	7.52
80%	13.05	193.08	6,900	1292.3	45.54	6.69
90%	17.59	260.35	7,516	1572.4	55.41	6.04
100%	20.52	303.74	7,863	1736.3	61.19	5.72

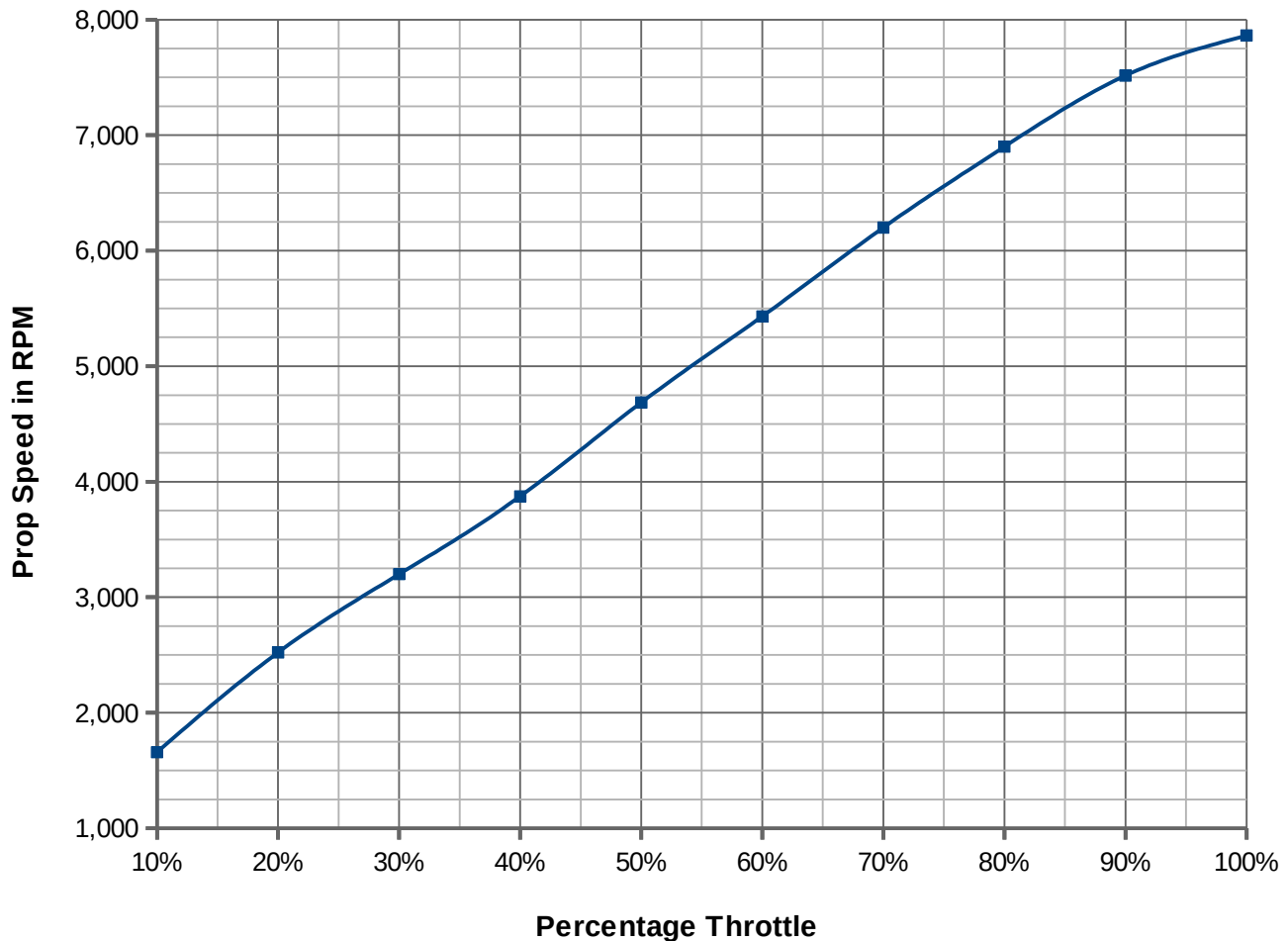
Motor Current vs Throttle Position



Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 14.8 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.28	4.16	1,659	64.6	2.28	15.53
20%	0.73	10.76	2,522	147.6	5.20	13.72
30%	1.35	20.04	3,200	248.6	8.76	12.41
40%	2.28	33.76	3,874	373.0	13.15	11.05
50%	3.92	58.03	4,686	561.9	19.80	9.68
60%	6.14	90.86	5,432	780.9	27.52	8.59
70%	9.22	136.49	6,200	1026.1	36.16	7.52
80%	13.05	193.08	6,900	1292.3	45.54	6.69
90%	17.59	260.35	7,516	1572.4	55.41	6.04
100%	20.52	303.74	7,863	1736.3	61.19	5.72

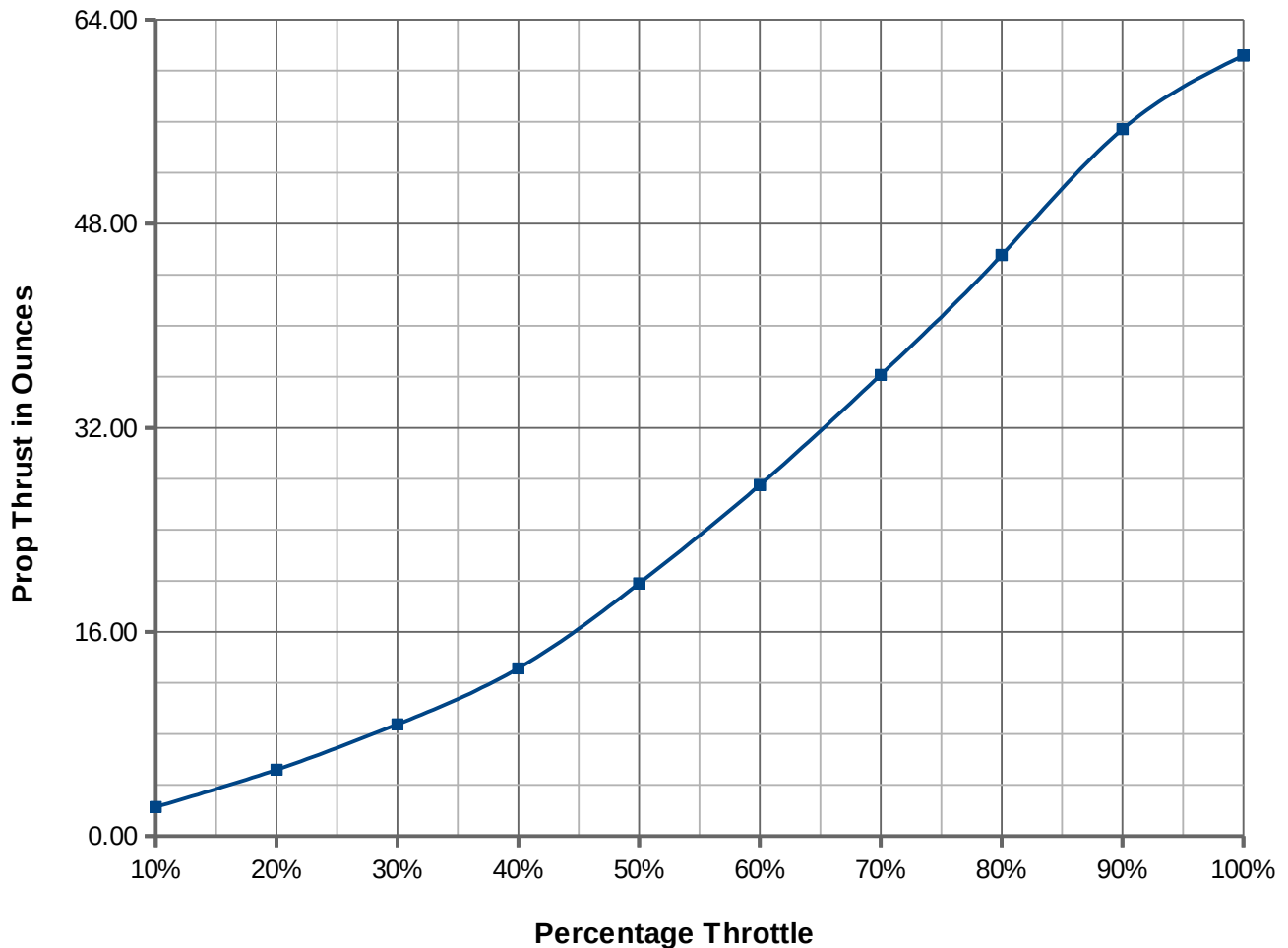
Propeller RPM vs Throttle Position



Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 14.8 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.28	4.16	1,659	64.6	2.28	15.53
20%	0.73	10.76	2,522	147.6	5.20	13.72
30%	1.35	20.04	3,200	248.6	8.76	12.41
40%	2.28	33.76	3,874	373.0	13.15	11.05
50%	3.92	58.03	4,686	561.9	19.80	9.68
60%	6.14	90.86	5,432	780.9	27.52	8.59
70%	9.22	136.49	6,200	1026.1	36.16	7.52
80%	13.05	193.08	6,900	1292.3	45.54	6.69
90%	17.59	260.35	7,516	1572.4	55.41	6.04
100%	20.52	303.74	7,863	1736.3	61.19	5.72

Propeller Thrust vs Throttle Position



Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 14.8 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.28	4.16	1,659	64.6	2.28	15.53
20%	0.73	10.76	2,522	147.6	5.20	13.72
30%	1.35	20.04	3,200	248.6	8.76	12.41
40%	2.28	33.76	3,874	373.0	13.15	11.05
50%	3.92	58.03	4,686	561.9	19.80	9.68
60%	6.14	90.86	5,432	780.9	27.52	8.59
70%	9.22	136.49	6,200	1026.1	36.16	7.52
80%	13.05	193.08	6,900	1292.3	45.54	6.69
90%	17.59	260.35	7,516	1572.4	55.41	6.04
100%	20.52	303.74	7,863	1736.3	61.19	5.72

Propeller Efficiency vs Throttle Position

