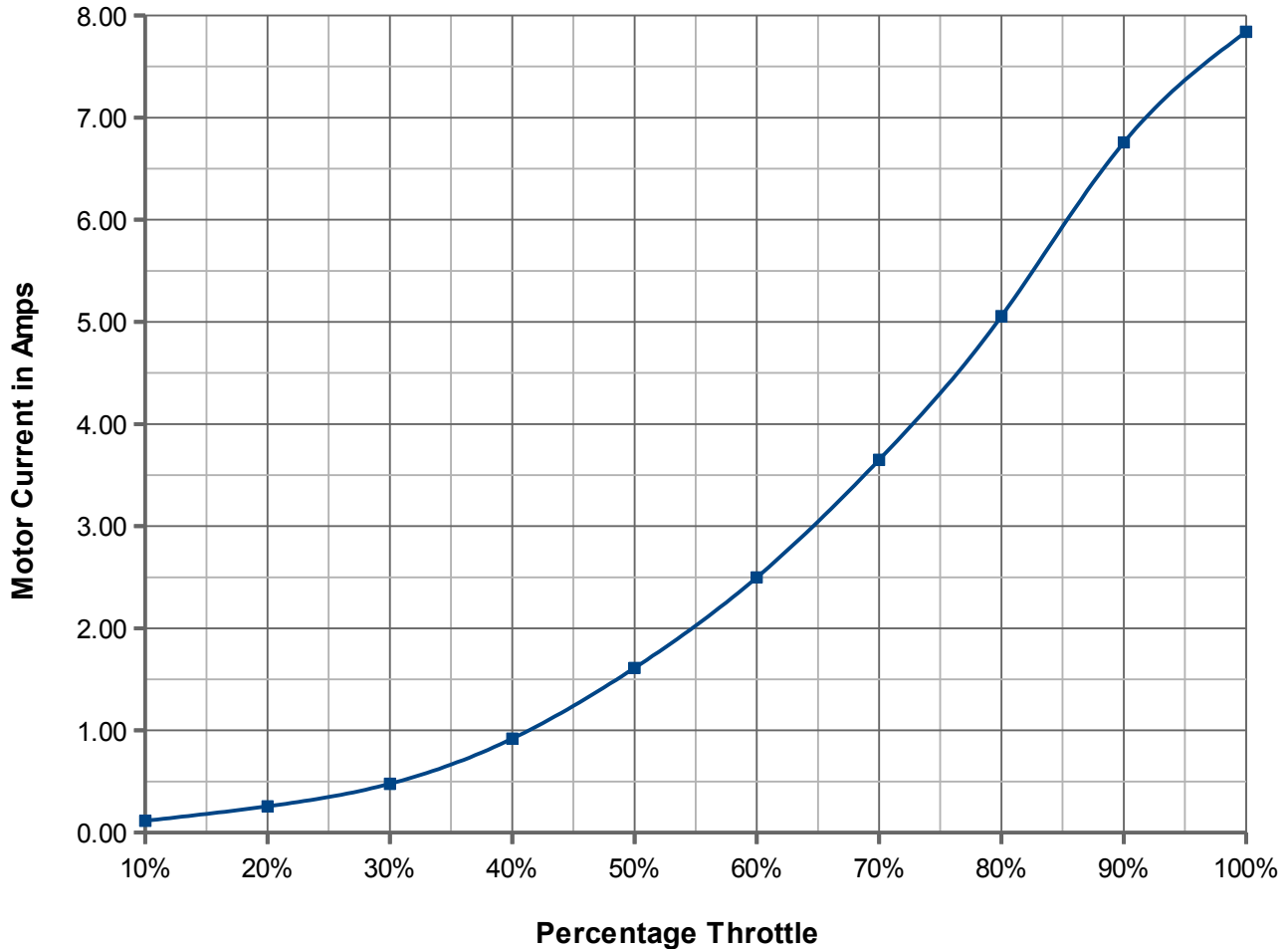


# Cobra CM-2213-36 Motor Test Data, Kv=740

Data Collected at 11.1 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.12	1.28	896	23.5	0.83	18.41
20%	0.26	2.86	1,475	51.2	1.80	17.88
30%	0.48	5.31	1,970	89.1	3.14	16.79
40%	0.92	10.21	2,563	152.6	5.38	14.94
50%	1.61	17.89	3,111	236.6	8.34	13.22
60%	2.50	27.73	3,633	324.3	11.43	11.70
70%	3.65	40.50	4,122	420.7	14.83	10.39
80%	5.06	56.12	4,567	526.6	18.56	9.38
90%	6.76	75.00	4,968	642.6	22.65	8.57
100%	7.84	87.02	5,194	712.6	25.11	8.19

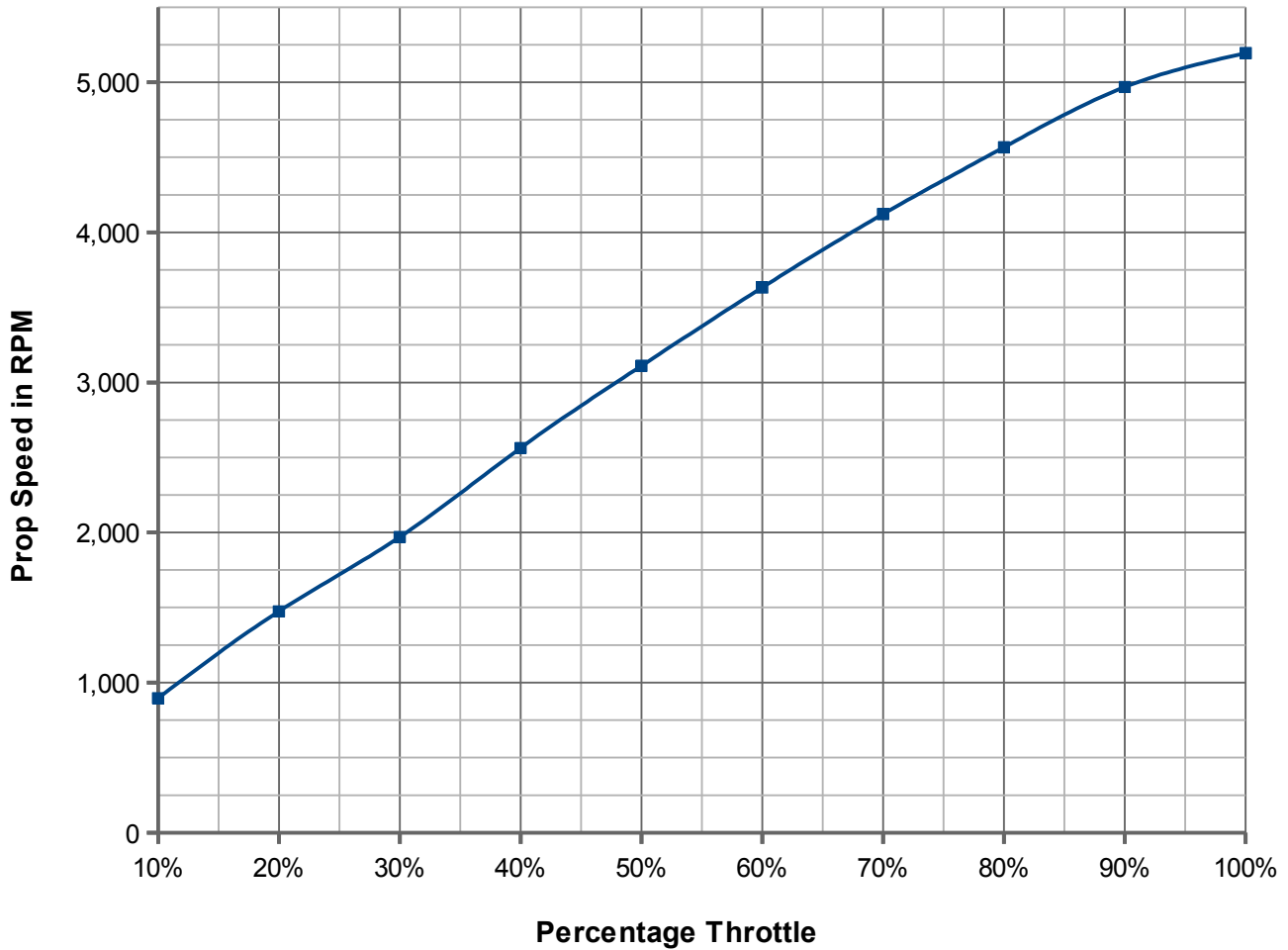
## Motor Current vs Throttle Position



# Cobra CM-2213-36 Motor Test Data, Kv=740

Data Collected at 11.1 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.12	1.28	896	23.5	0.83	18.41
20%	0.26	2.86	1,475	51.2	1.80	17.88
30%	0.48	5.31	1,970	89.1	3.14	16.79
40%	0.92	10.21	2,563	152.6	5.38	14.94
50%	1.61	17.89	3,111	236.6	8.34	13.22
60%	2.50	27.73	3,633	324.3	11.43	11.70
70%	3.65	40.50	4,122	420.7	14.83	10.39
80%	5.06	56.12	4,567	526.6	18.56	9.38
90%	6.76	75.00	4,968	642.6	22.65	8.57
100%	7.84	87.02	5,194	712.6	25.11	8.19

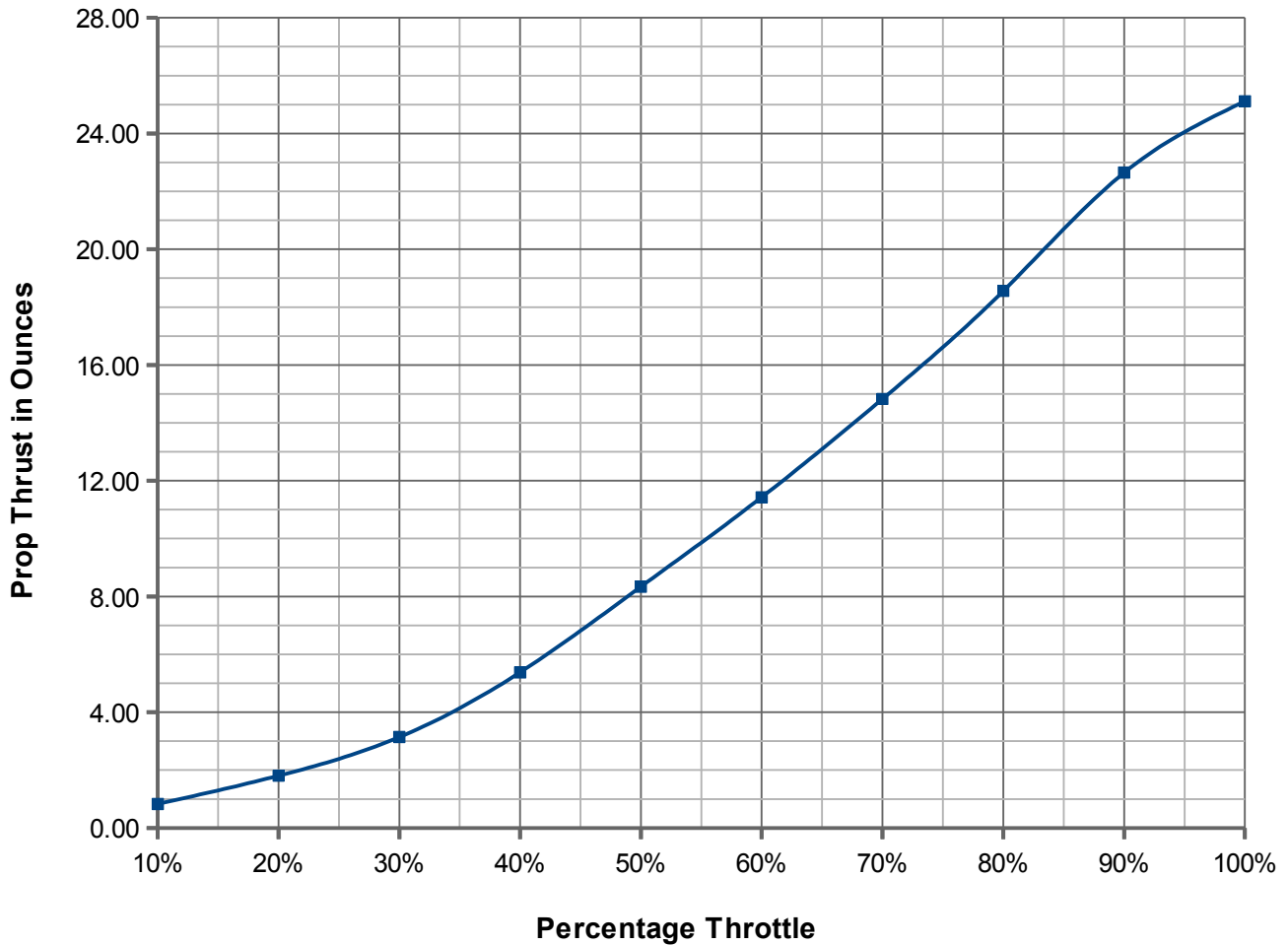
## Propeller RPM vs Throttle Position



# Cobra CM-2213-36 Motor Test Data, Kv=740

Data Collected at 11.1 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.12	1.28	896	23.5	0.83	18.41
20%	0.26	2.86	1,475	51.2	1.80	17.88
30%	0.48	5.31	1,970	89.1	3.14	16.79
40%	0.92	10.21	2,563	152.6	5.38	14.94
50%	1.61	17.89	3,111	236.6	8.34	13.22
60%	2.50	27.73	3,633	324.3	11.43	11.70
70%	3.65	40.50	4,122	420.7	14.83	10.39
80%	5.06	56.12	4,567	526.6	18.56	9.38
90%	6.76	75.00	4,968	642.6	22.65	8.57
100%	7.84	87.02	5,194	712.6	25.11	8.19

## Propeller Thrust vs Throttle Position



## Cobra CM-2213-36 Motor Test Data, Kv=740

Data Collected at 11.1 volts with APC 12x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.12	1.28	896	23.5	0.83	18.41
20%	0.26	2.86	1,475	51.2	1.80	17.88
30%	0.48	5.31	1,970	89.1	3.14	16.79
40%	0.92	10.21	2,563	152.6	5.38	14.94
50%	1.61	17.89	3,111	236.6	8.34	13.22
60%	2.50	27.73	3,633	324.3	11.43	11.70
70%	3.65	40.50	4,122	420.7	14.83	10.39
80%	5.06	56.12	4,567	526.6	18.56	9.38
90%	6.76	75.00	4,968	642.6	22.65	8.57
100%	7.84	87.02	5,194	712.6	25.11	8.19

### Propeller Efficiency vs Throttle Position

