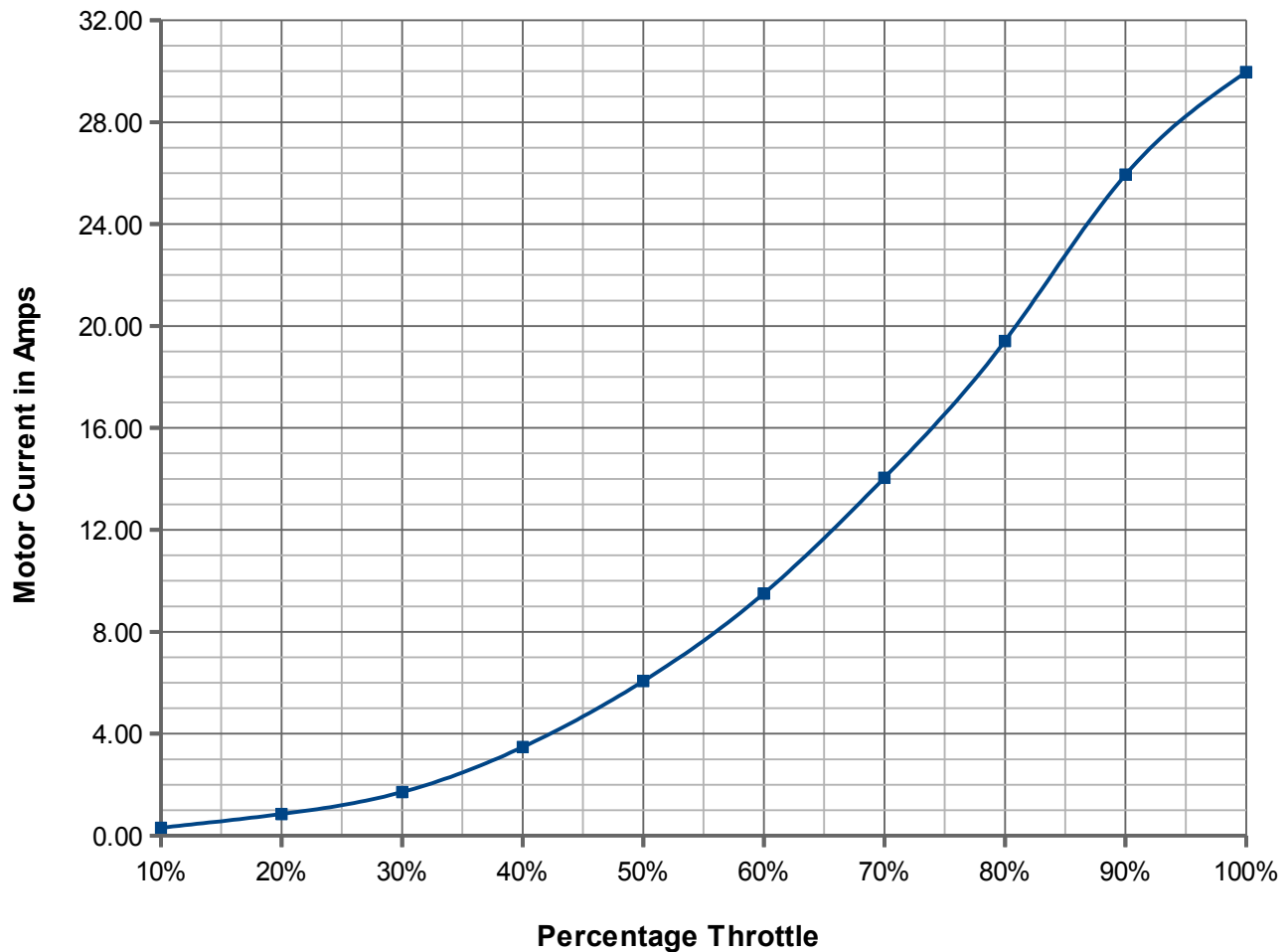


# Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 11.1 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.31	3.47	977	57.7	2.03	16.61
20%	0.85	9.44	1,533	151.1	5.33	16.01
30%	1.71	18.99	2,028	271.1	9.55	14.27
40%	3.48	38.59	2,619	473.6	16.69	12.27
50%	6.06	67.31	3,164	725.4	25.56	10.78
60%	9.50	105.47	3,694	987.4	34.80	9.36
70%	14.04	155.88	4,153	1280.0	45.11	8.21
80%	19.41	215.48	4,574	1597.0	56.28	7.41
90%	25.94	287.93	4,967	1922.9	67.77	6.68
100%	29.97	332.61	5,185	2081.3	73.35	6.26

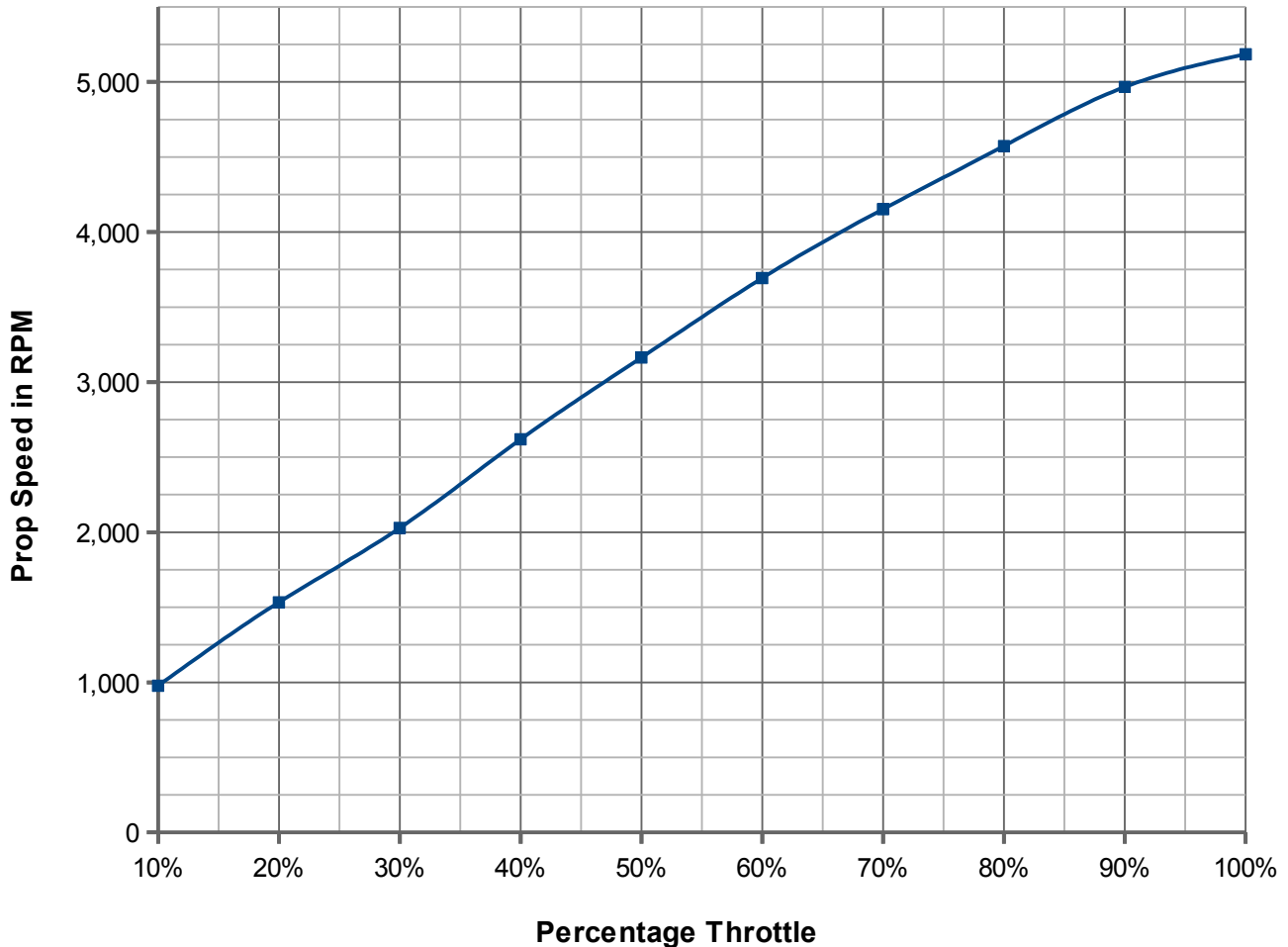
## Motor Current vs Throttle Position



# Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 11.1 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.31	3.47	977	57.7	2.03	16.61
20%	0.85	9.44	1,533	151.1	5.33	16.01
30%	1.71	18.99	2,028	271.1	9.55	14.27
40%	3.48	38.59	2,619	473.6	16.69	12.27
50%	6.06	67.31	3,164	725.4	25.56	10.78
60%	9.50	105.47	3,694	987.4	34.80	9.36
70%	14.04	155.88	4,153	1280.0	45.11	8.21
80%	19.41	215.48	4,574	1597.0	56.28	7.41
90%	25.94	287.93	4,967	1922.9	67.77	6.68
100%	29.97	332.61	5,185	2081.3	73.35	6.26

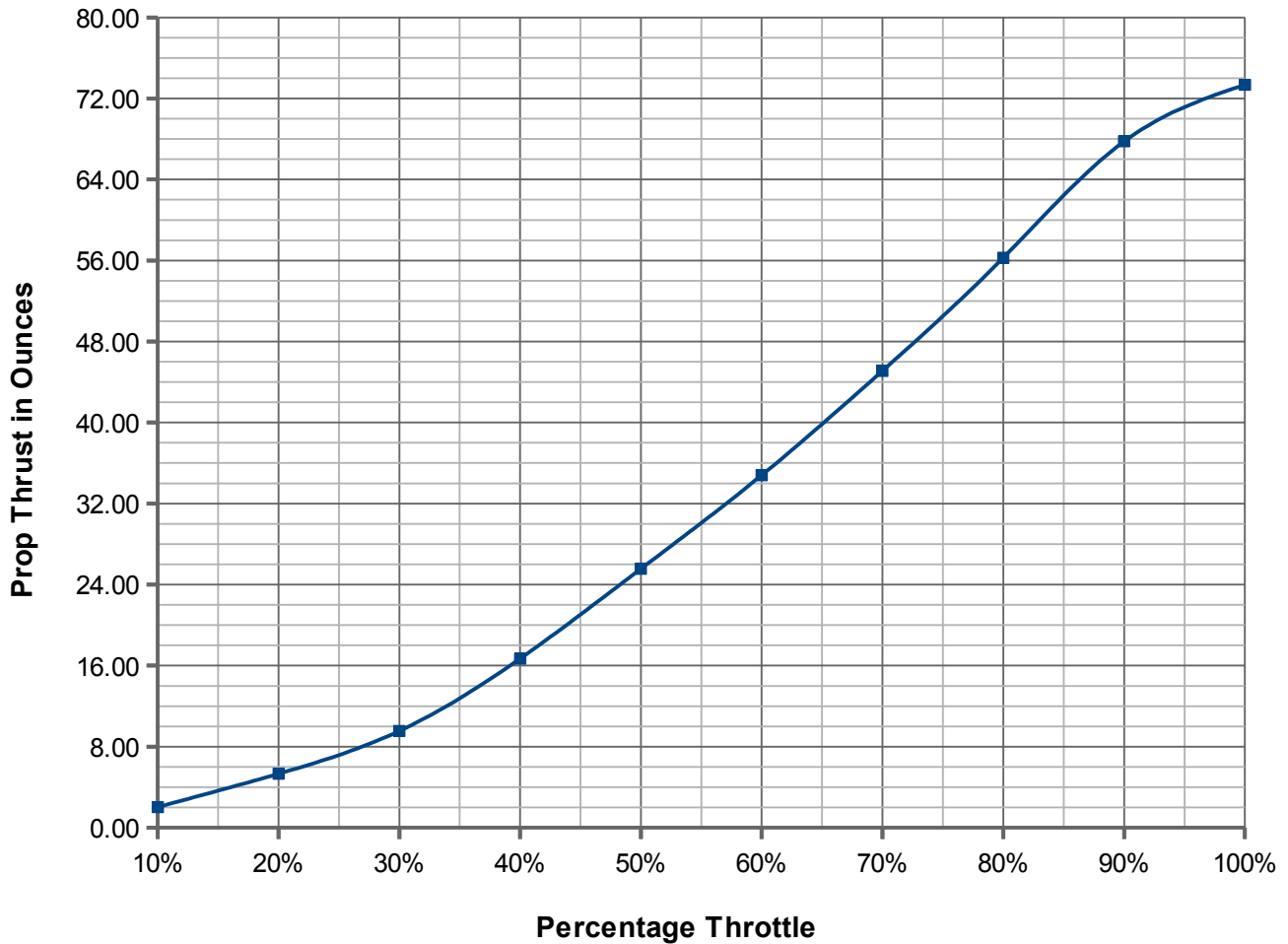
## Propeller RPM vs Throttle Position



# Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 11.1 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.31	3.47	977	57.7	2.03	16.61
20%	0.85	9.44	1,533	151.1	5.33	16.01
30%	1.71	18.99	2,028	271.1	9.55	14.27
40%	3.48	38.59	2,619	473.6	16.69	12.27
50%	6.06	67.31	3,164	725.4	25.56	10.78
60%	9.50	105.47	3,694	987.4	34.80	9.36
70%	14.04	155.88	4,153	1280.0	45.11	8.21
80%	19.41	215.48	4,574	1597.0	56.28	7.41
90%	25.94	287.93	4,967	1922.9	67.77	6.68
100%	29.97	332.61	5,185	2081.3	73.35	6.26

## Propeller Thrust vs Throttle Position



# Cobra CM-2820/16 Motor Test Data, Kv=740

Data Collected at 11.1 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.31	3.47	977	57.7	2.03	16.61
20%	0.85	9.44	1,533	151.1	5.33	16.01
30%	1.71	18.99	2,028	271.1	9.55	14.27
40%	3.48	38.59	2,619	473.6	16.69	12.27
50%	6.06	67.31	3,164	725.4	25.56	10.78
60%	9.50	105.47	3,694	987.4	34.80	9.36
70%	14.04	155.88	4,153	1280.0	45.11	8.21
80%	19.41	215.48	4,574	1597.0	56.28	7.41
90%	25.94	287.93	4,967	1922.9	67.77	6.68
100%	29.97	332.61	5,185	2081.3	73.35	6.26

## Propeller Efficiency vs Throttle Position

