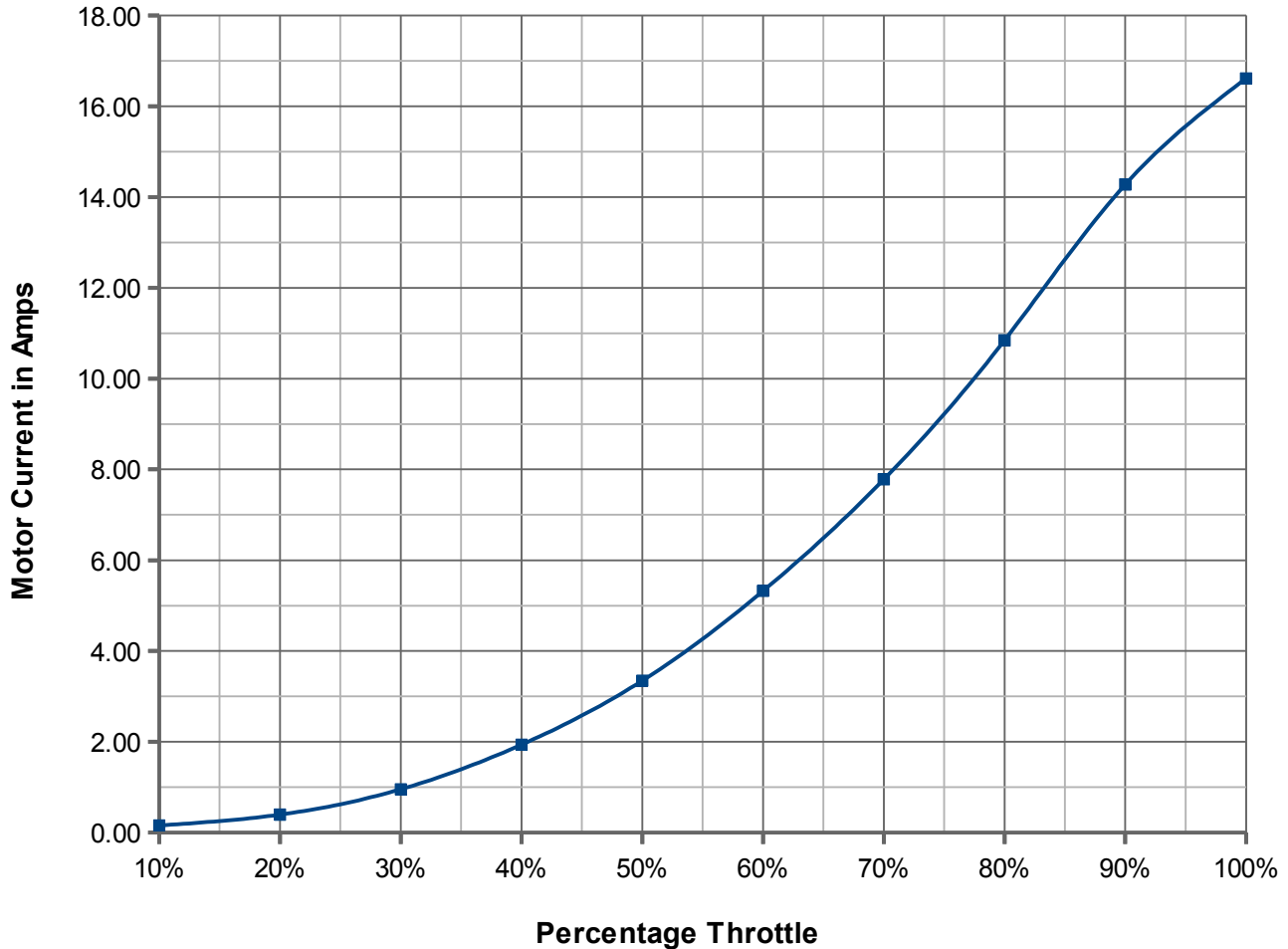


# Cobra CM-2820-32 Motor Test Data, Kv=350

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.92	792	56.5	1.99	19.33
20%	0.40	7.33	1,268	138.4	4.88	18.89
30%	0.96	17.67	1,780	289.2	10.19	16.37
40%	1.94	35.85	2,293	506.7	17.86	14.13
50%	3.35	61.90	2,759	745.8	26.28	12.05
60%	5.32	98.46	3,200	1046.5	36.88	10.63
70%	7.78	143.91	3,603	1360.4	47.94	9.45
80%	10.85	200.65	3,980	1693.0	59.67	8.44
90%	14.28	264.12	4,338	2011.3	70.88	7.61
100%	16.61	307.34	4,526	2193.7	77.31	7.14

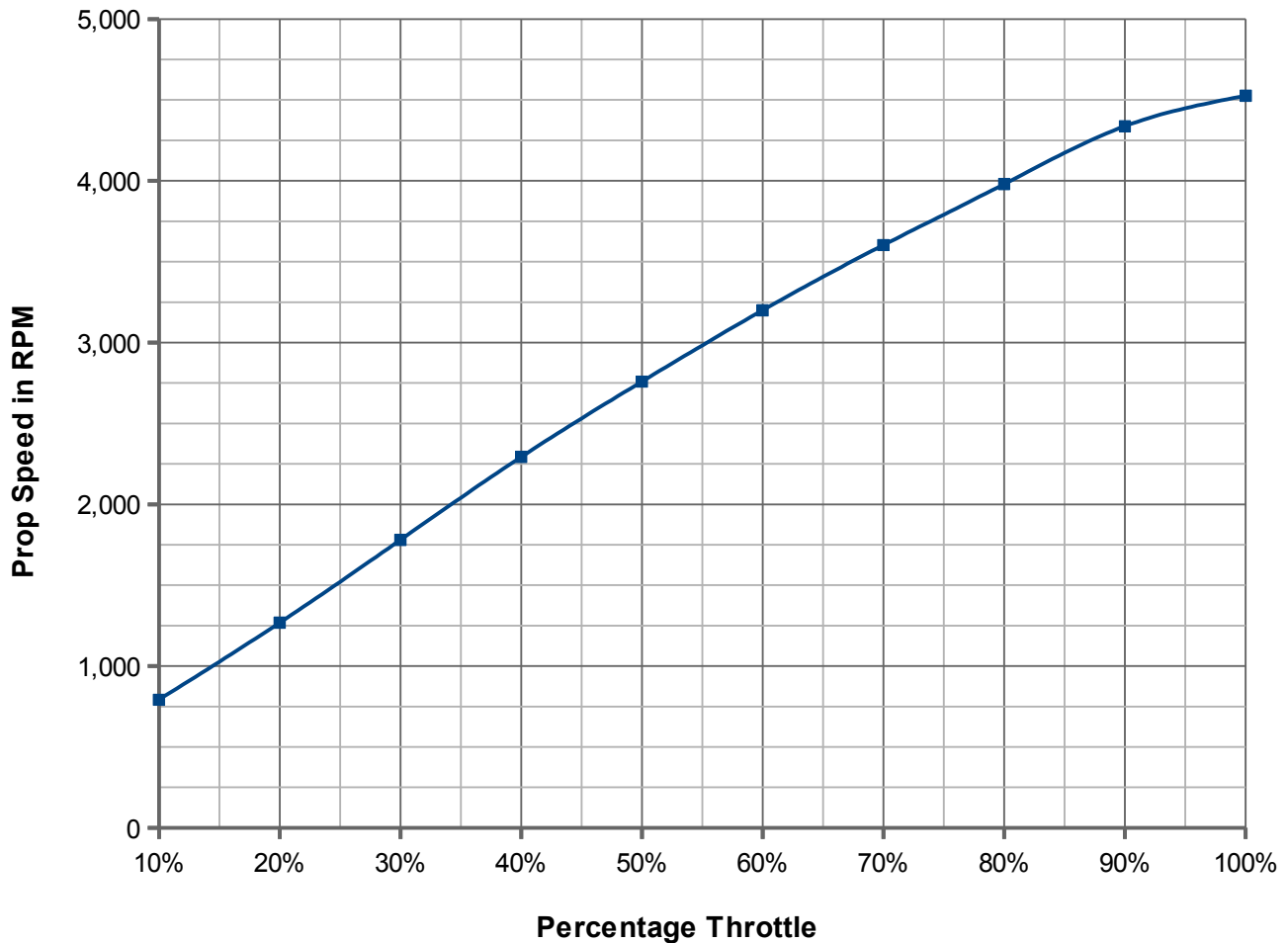
## Motor Current vs Throttle Position



# Cobra CM-2820-32 Motor Test Data, Kv=350

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.92	792	56.5	1.99	19.33
20%	0.40	7.33	1,268	138.4	4.88	18.89
30%	0.96	17.67	1,780	289.2	10.19	16.37
40%	1.94	35.85	2,293	506.7	17.86	14.13
50%	3.35	61.90	2,759	745.8	26.28	12.05
60%	5.32	98.46	3,200	1046.5	36.88	10.63
70%	7.78	143.91	3,603	1360.4	47.94	9.45
80%	10.85	200.65	3,980	1693.0	59.67	8.44
90%	14.28	264.12	4,338	2011.3	70.88	7.61
100%	16.61	307.34	4,526	2193.7	77.31	7.14

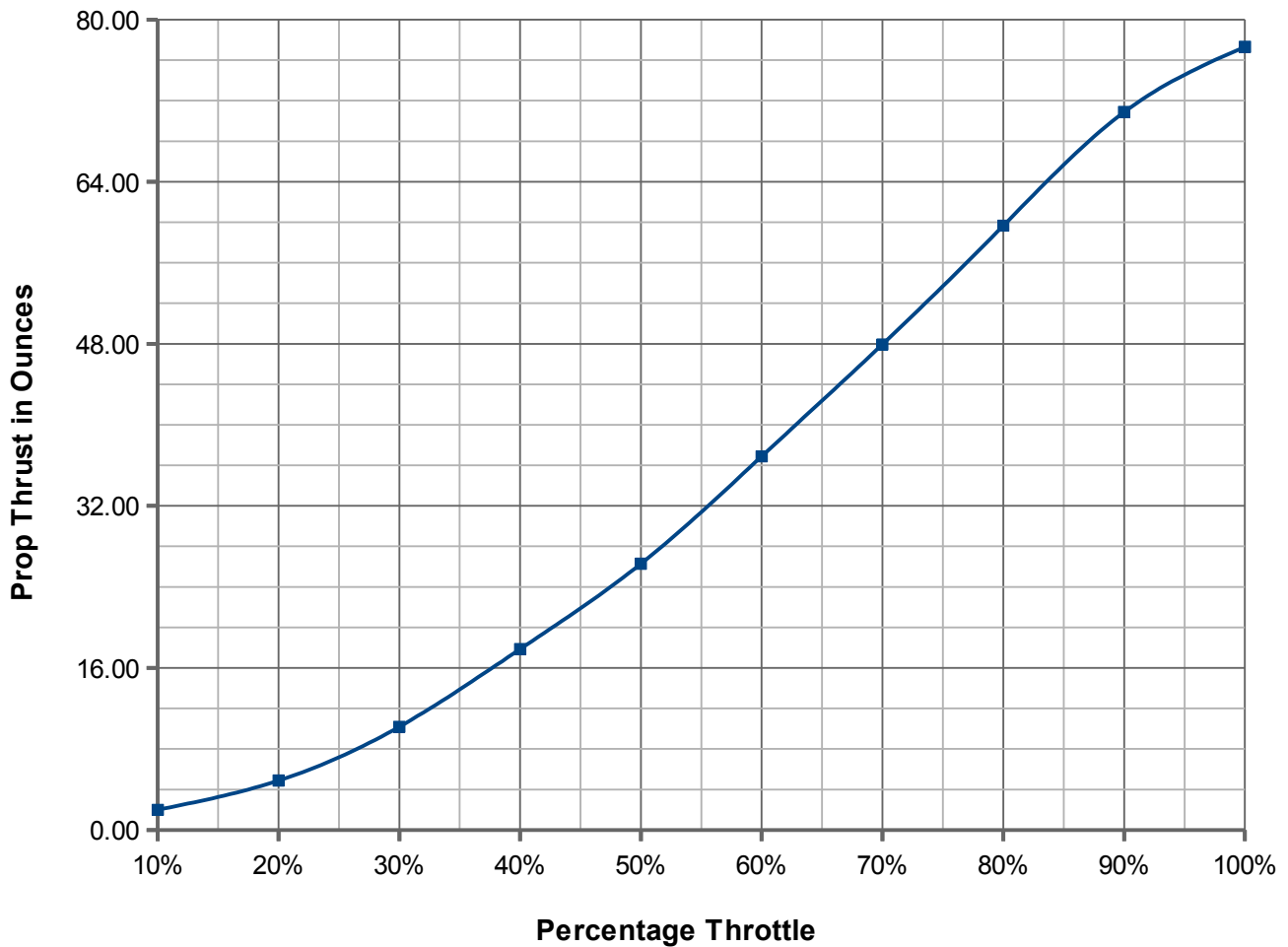
## Propeller RPM vs Throttle Position



# Cobra CM-2820-32 Motor Test Data, Kv=350

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.92	792	56.5	1.99	19.33
20%	0.40	7.33	1,268	138.4	4.88	18.89
30%	0.96	17.67	1,780	289.2	10.19	16.37
40%	1.94	35.85	2,293	506.7	17.86	14.13
50%	3.35	61.90	2,759	745.8	26.28	12.05
60%	5.32	98.46	3,200	1046.5	36.88	10.63
70%	7.78	143.91	3,603	1360.4	47.94	9.45
80%	10.85	200.65	3,980	1693.0	59.67	8.44
90%	14.28	264.12	4,338	2011.3	70.88	7.61
100%	16.61	307.34	4,526	2193.7	77.31	7.14

## Propeller Thrust vs Throttle Position



# Cobra CM-2820-32 Motor Test Data, Kv=350

Data Collected at 18.5 volts with APC 18x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.16	2.92	792	56.5	1.99	19.33
20%	0.40	7.33	1,268	138.4	4.88	18.89
30%	0.96	17.67	1,780	289.2	10.19	16.37
40%	1.94	35.85	2,293	506.7	17.86	14.13
50%	3.35	61.90	2,759	745.8	26.28	12.05
60%	5.32	98.46	3,200	1046.5	36.88	10.63
70%	7.78	143.91	3,603	1360.4	47.94	9.45
80%	10.85	200.65	3,980	1693.0	59.67	8.44
90%	14.28	264.12	4,338	2011.3	70.88	7.61
100%	16.61	307.34	4,526	2193.7	77.31	7.14

## Propeller Efficiency vs Throttle Position

