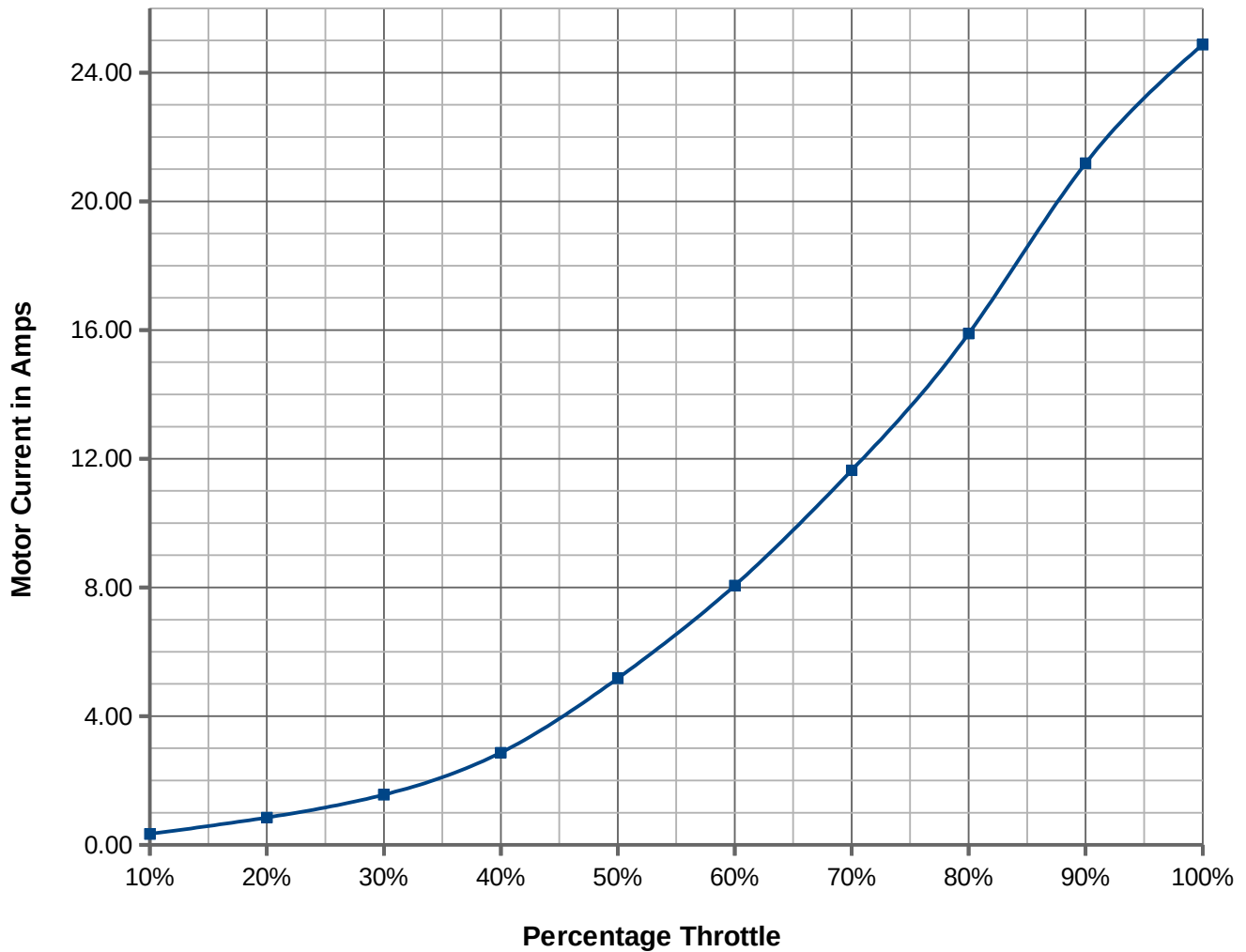


# Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 22.2 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.34	7.57	1,856	72.5	2.56	9.58
20%	0.85	18.87	2,895	186.1	6.56	9.86
30%	1.56	34.63	3,735	323.7	11.42	9.35
40%	2.87	63.65	4,799	547.6	19.32	8.60
50%	5.18	114.93	5,959	888.0	31.32	7.73
60%	8.06	178.95	7,000	1230.8	43.41	6.88
70%	11.64	258.43	7,953	1596.1	56.30	6.18
80%	15.89	352.78	8,820	1995.2	70.38	5.66
90%	21.19	470.31	9,700	2407.4	84.92	5.12
100%	24.87	552.16	10,182	2685.6	94.73	4.86

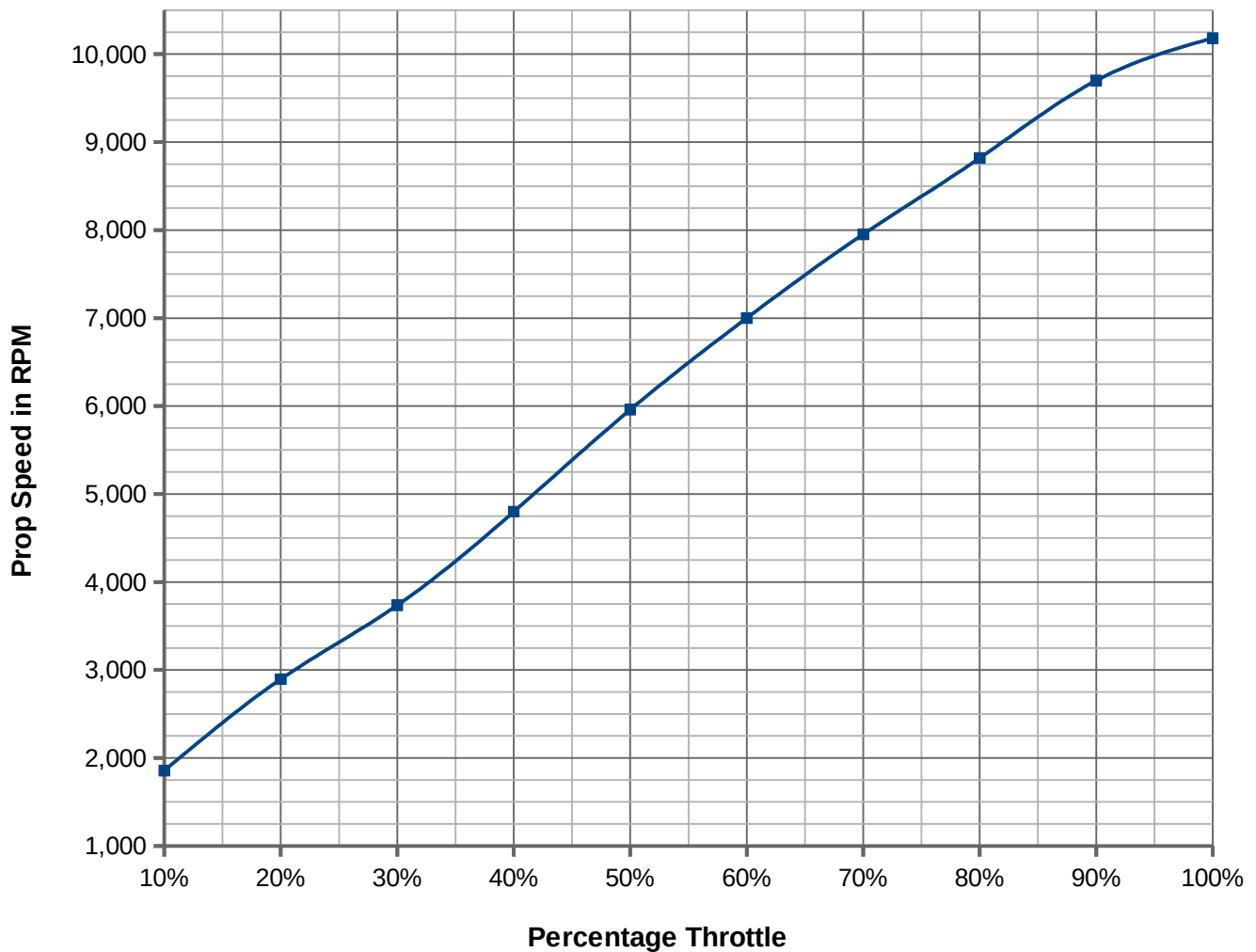
## Motor Current vs Throttle Position



# Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 22.2 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.34	7.57	1,856	72.5	2.56	9.58
20%	0.85	18.87	2,895	186.1	6.56	9.86
30%	1.56	34.63	3,735	323.7	11.42	9.35
40%	2.87	63.65	4,799	547.6	19.32	8.60
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80%	15.89	352.78	8,820	1995.2	70.38	5.66
90%	21.19	470.31	9,700	2407.4	84.92	5.12
100%	24.87	552.16	10,182	2685.6	94.73	4.86

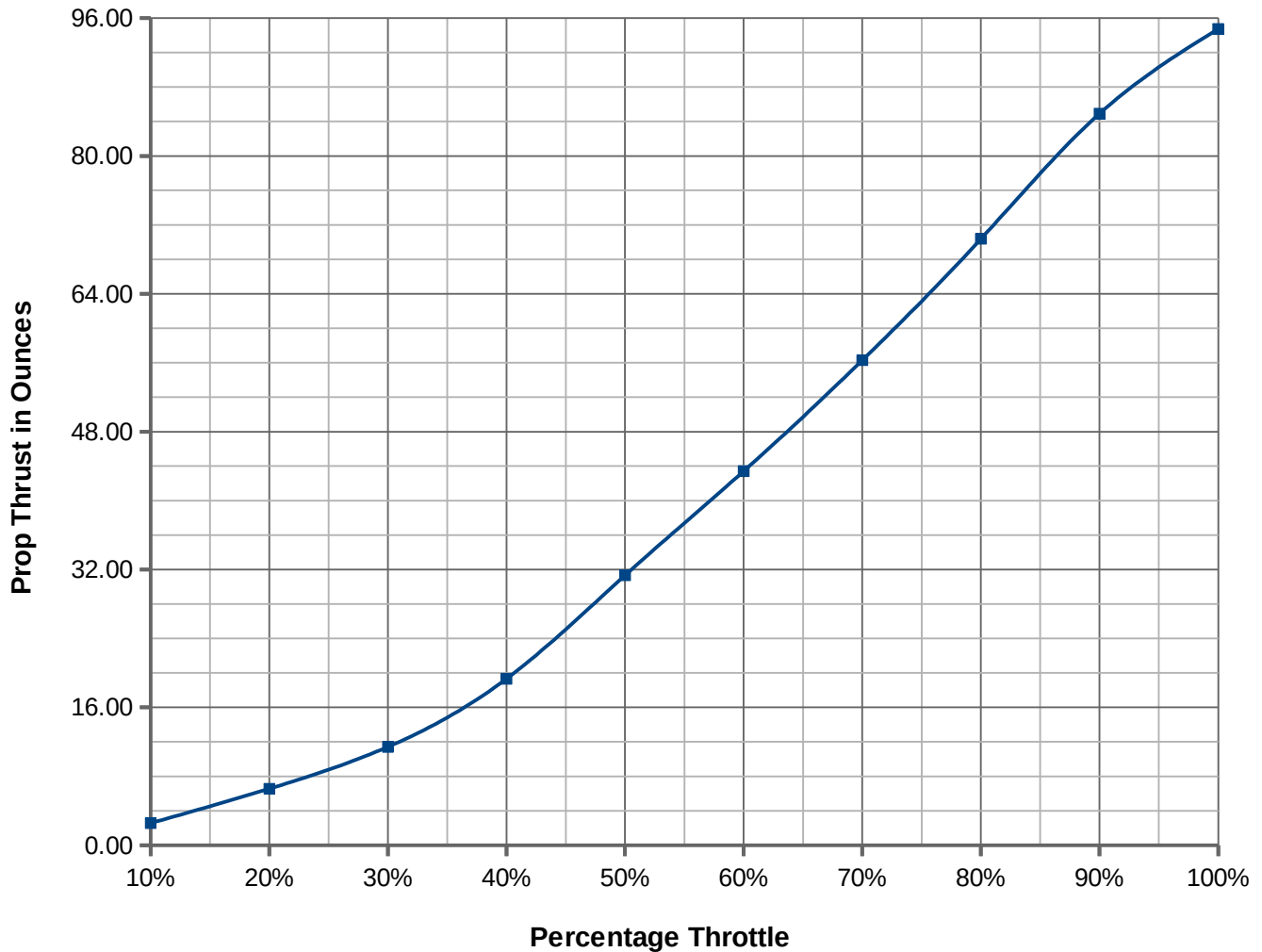
## Propeller RPM vs Throttle Position



# Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 22.2 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.34	7.57	1,856	72.5	2.56	9.58
20%	0.85	18.87	2,895	186.1	6.56	9.86
30%	1.56	34.63	3,735	323.7	11.42	9.35
40%	2.87	63.65	4,799	547.6	19.32	8.60
50%	5.18	114.93	5,959	888.0	31.32	7.73
60%	8.06	178.95	7,000	1230.8	43.41	6.88
70%	11.64	258.43	7,953	1596.1	56.30	6.18
80%	15.89	352.78	8,820	1995.2	70.38	5.66
90%	21.19	470.31	9,700	2407.4	84.92	5.12
100%	24.87	552.16	10,182	2685.6	94.73	4.86

## Propeller Thrust vs Throttle Position



# Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 22.2 volts with GemFan 12x4-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.34	7.57	1,856	72.5	2.56	9.58
20%	0.85	18.87	2,895	186.1	6.56	9.86
30%	1.56	34.63	3,735	323.7	11.42	9.35
40%	2.87	63.65	4,799	547.6	19.32	8.60
50%	5.18	114.93	5,959	888.0	31.32	7.73
60%	8.06	178.95	7,000	1230.8	43.41	6.88
70%	11.64	258.43	7,953	1596.1	56.30	6.18
80%	15.89	352.78	8,820	1995.2	70.38	5.66
90%	21.19	470.31	9,700	2407.4	84.92	5.12
100%	24.87	552.16	10,182	2685.6	94.73	4.86

## Propeller Efficiency vs Throttle Position

