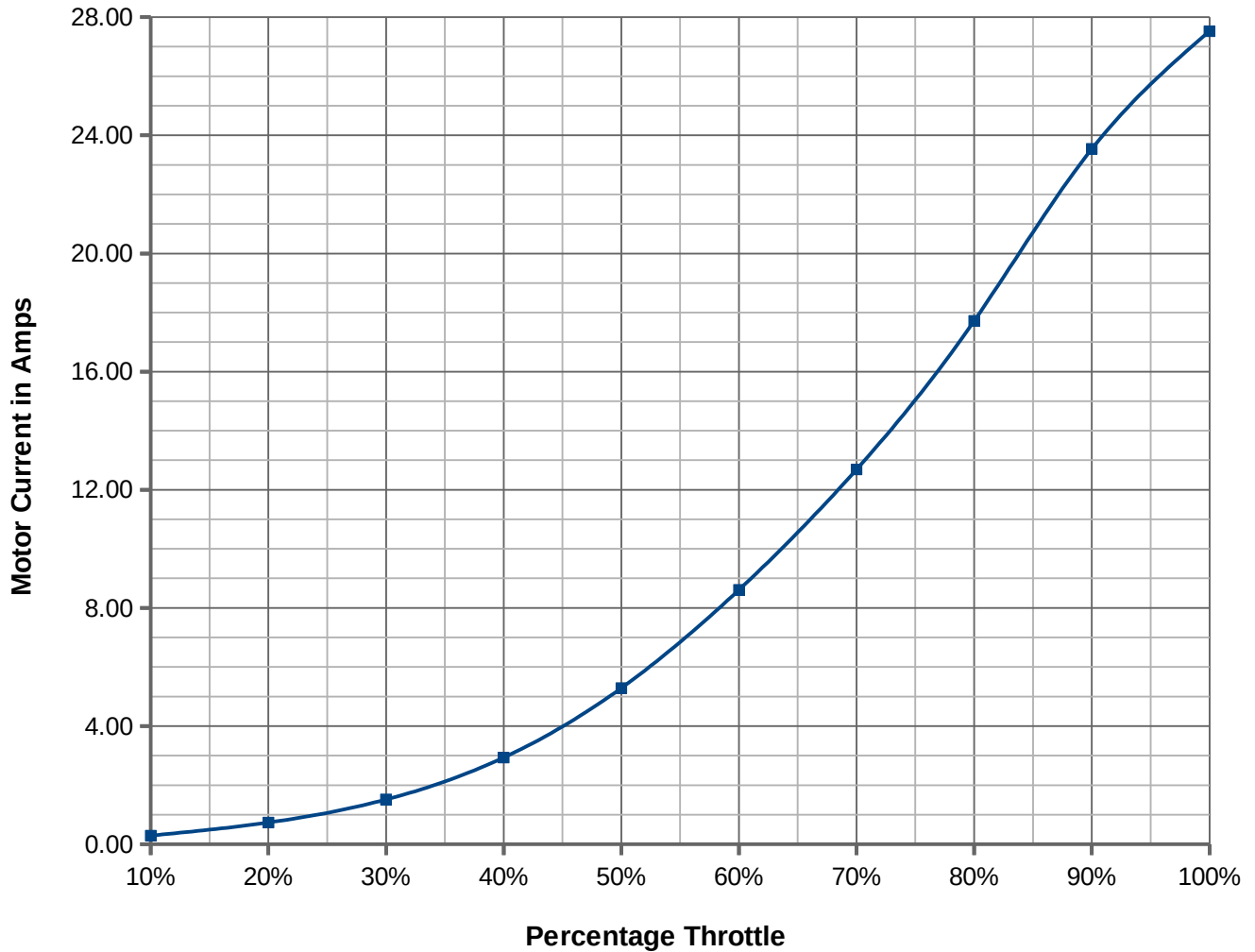


# Cobra CM-4010/20 Motor Test Data, Kv=550

Data Collected at 18.5 volts with APC 13x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	5.40	1,431	69.2	2.44	12.81
20%	0.74	13.62	2,263	170.9	6.03	12.55
30%	1.51	27.99	3,055	326.0	11.50	11.65
40%	2.94	54.30	3,926	550.1	19.40	10.13
50%	5.29	97.79	4,846	862.1	30.41	8.82
60%	8.61	159.30	5,697	1224.3	43.19	7.69
70%	12.69	234.71	6,461	1577.6	55.65	6.72
80%	17.72	327.84	7,158	1987.1	70.09	6.06
90%	23.54	435.55	7,766	2357.6	83.16	5.41
100%	27.52	509.19	8,115	2617.3	92.32	5.14

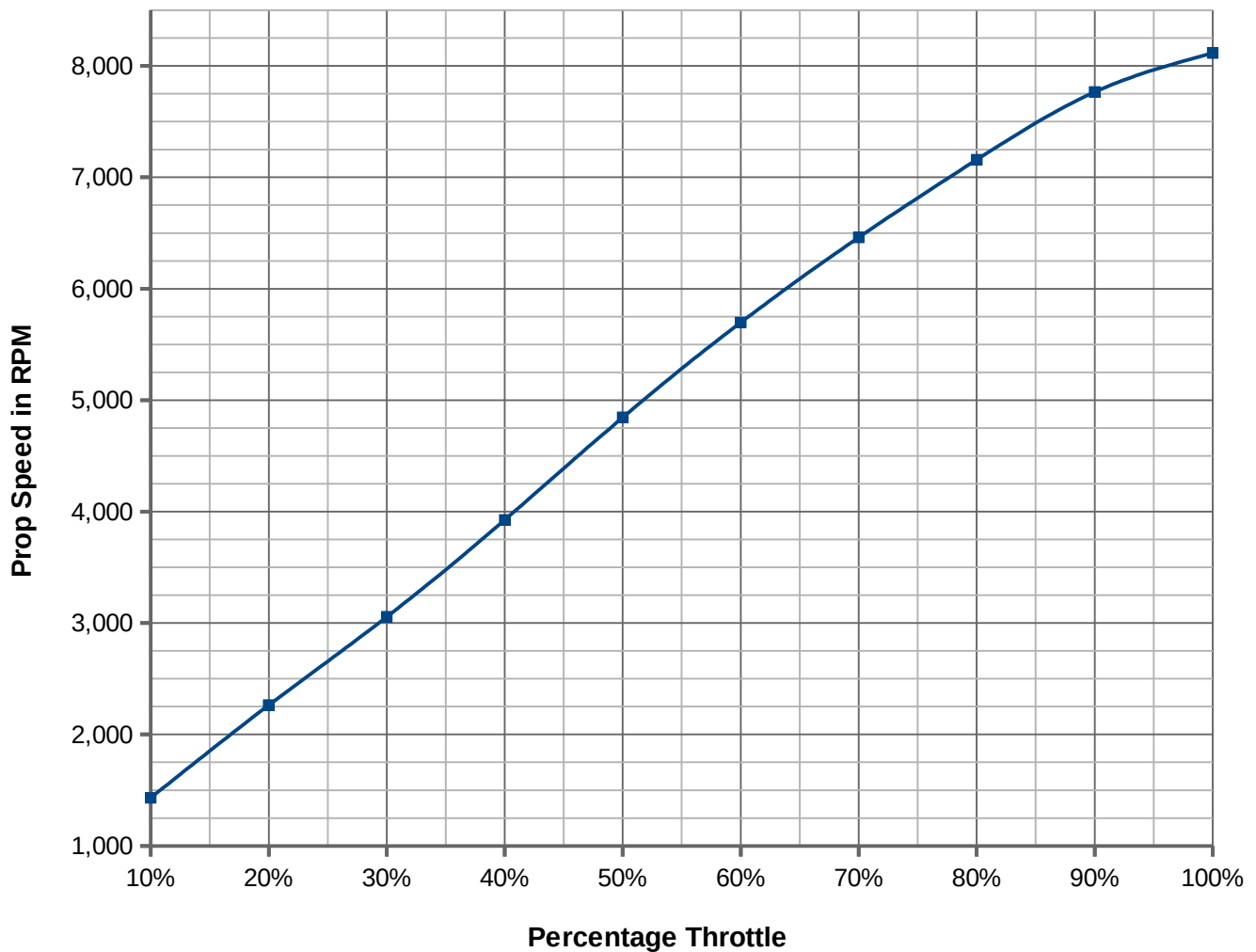
### Motor Current vs Throttle Position



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

Data Collected at 18.5 volts with APC 13x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	5.40	1,431	69.2	2.44	12.81
20%	0.74	13.62	2,263	170.9	6.03	12.55
30%	1.51	27.99	3,055	326.0	11.50	11.65
40%	2.94	54.30	3,926	550.1	19.40	10.13
50%	5.29	97.79	4,846	862.1	30.41	8.82
60%	8.61	159.30	5,697	1224.3	43.19	7.69
70%	12.69	234.71	6,461	1577.6	55.65	6.72
80%	17.72	327.84	7,158	1987.1	70.09	6.06
90%	23.54	435.55	7,766	2357.6	83.16	5.41
100%	27.52	509.19	8,115	2617.3	92.32	5.14

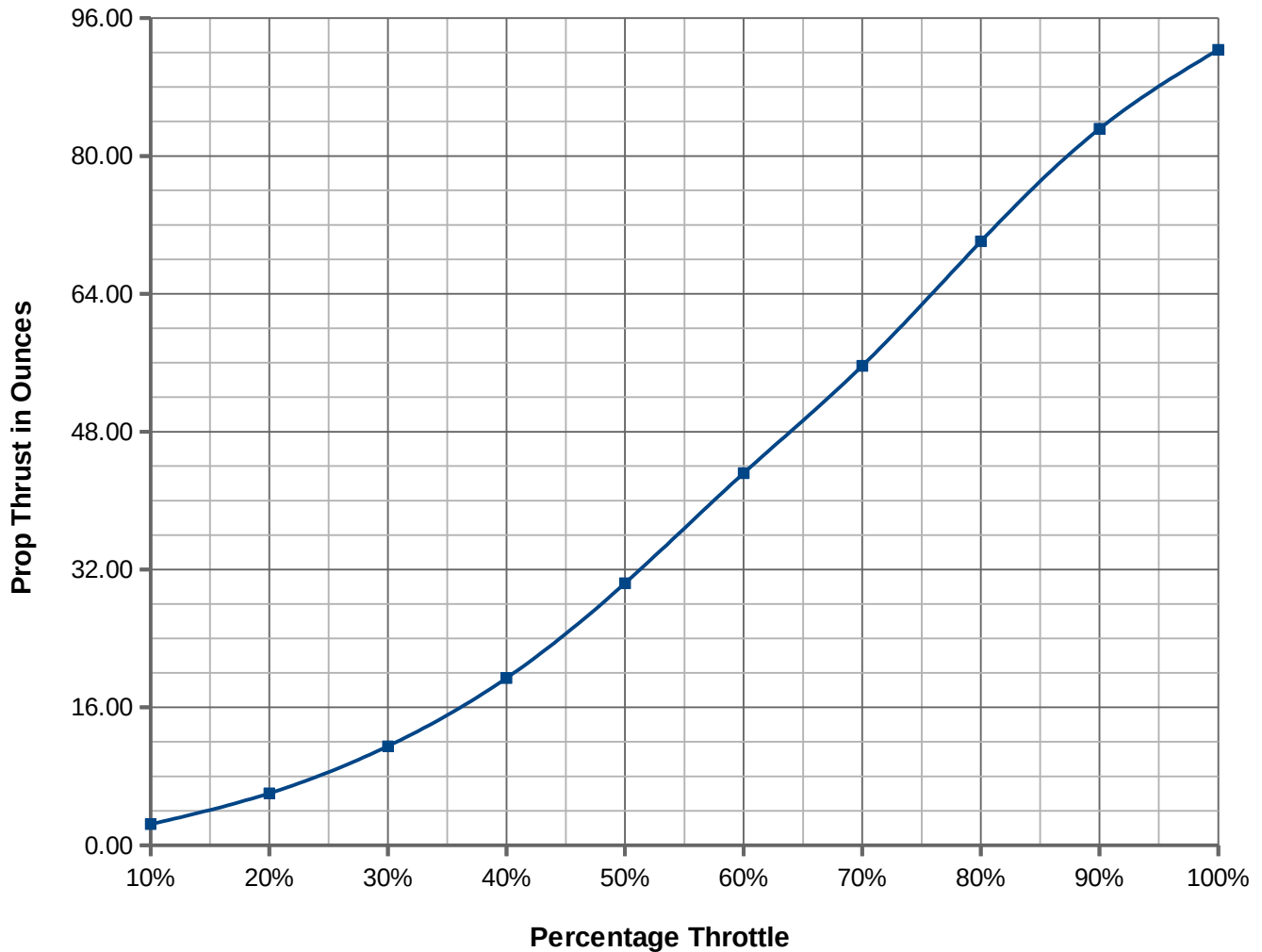
## Propeller RPM vs Throttle Position



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

Data Collected at 18.5 volts with APC 13x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	5.40	1,431	69.2	2.44	12.81
20%	0.74	13.62	2,263	170.9	6.03	12.55
30%	1.51	27.99	3,055	326.0	11.50	11.65
40%	2.94	54.30	3,926	550.1	19.40	10.13
50%	5.29	97.79	4,846	862.1	30.41	8.82
60%	8.61	159.30	5,697	1224.3	43.19	7.69
70%	12.69	234.71	6,461	1577.6	55.65	6.72
80%	17.72	327.84	7,158	1987.1	70.09	6.06
90%	23.54	435.55	7,766	2357.6	83.16	5.41
100%	27.52	509.19	8,115	2617.3	92.32	5.14

## Propeller Thrust vs Throttle Position



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

Data Collected at 18.5 volts with APC 13x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.29	5.40	1,431	69.2	2.44	12.81
20%	0.74	13.62	2,263	170.9	6.03	12.55
30%	1.51	27.99	3,055	326.0	11.50	11.65
40%	2.94	54.30	3,926	550.1	19.40	10.13
50%	5.29	97.79	4,846	862.1	30.41	8.82
60%	8.61	159.30	5,697	1224.3	43.19	7.69
70%	12.69	234.71	6,461	1577.6	55.65	6.72
80%	17.72	327.84	7,158	1987.1	70.09	6.06
90%	23.54	435.55	7,766	2357.6	83.16	5.41
100%	27.52	509.19	8,115	2617.3	92.32	5.14

## Propeller Efficiency vs Throttle Position

