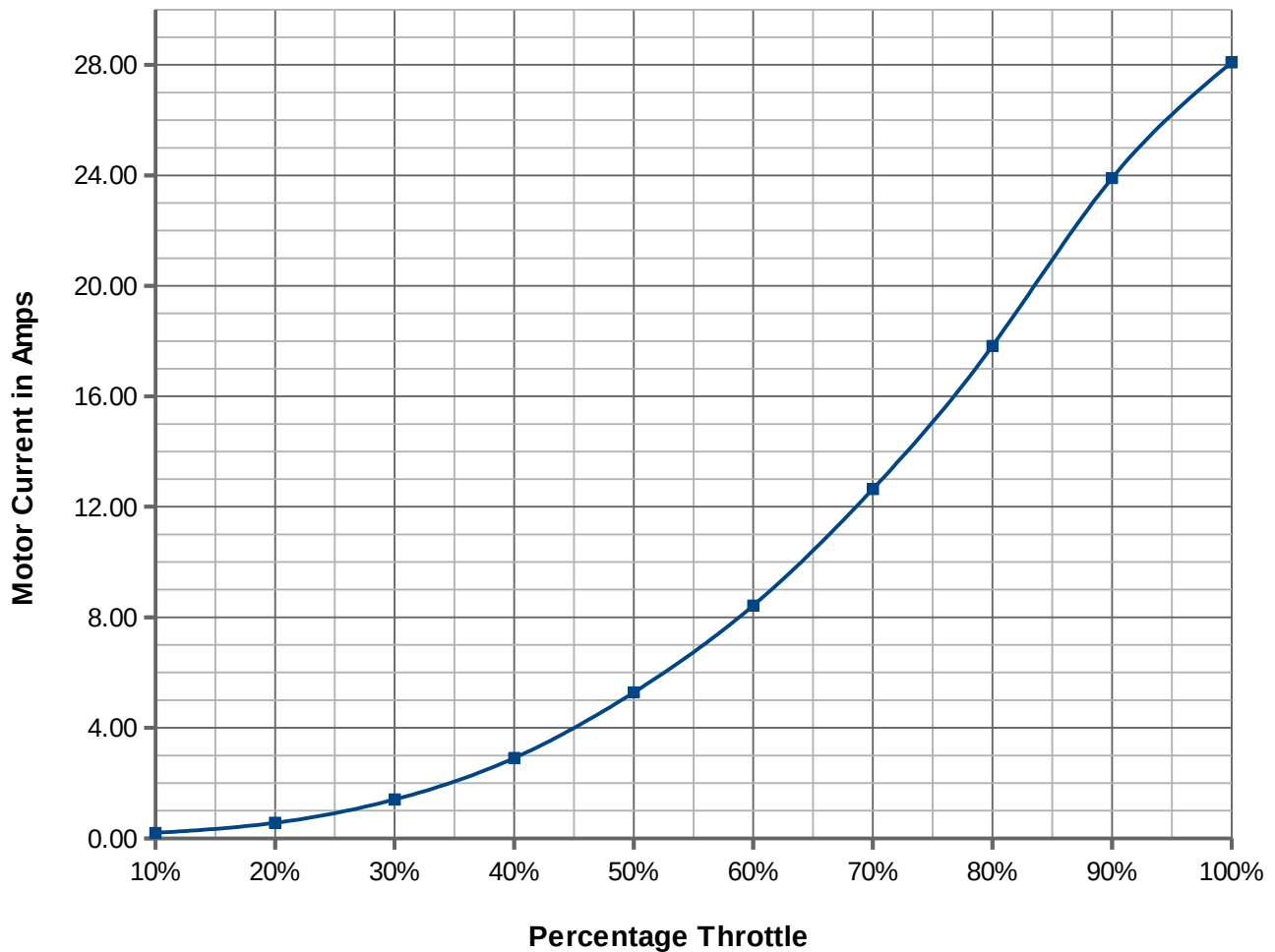


# Cobra CM-3515-20 Motor Test Data, Kv=650

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	2.89	966	41.9	1.48	14.52
20%	0.56	8.27	1,732	124.7	4.39	15.07
30%	1.41	20.81	2,553	282.8	9.97	13.59
40%	2.90	42.98	3,358	497.1	17.52	11.57
50%	5.28	78.16	4,110	775.2	27.32	9.92
60%	8.43	124.72	4,800	1065.9	37.56	8.55
70%	12.64	187.12	5,441	1436.9	50.64	7.68
80%	17.82	263.80	6,069	1787.8	63.01	6.78
90%	23.90	353.73	6,633	2145.0	75.59	6.06
100%	28.09	415.75	6,918	2399.1	84.55	5.77

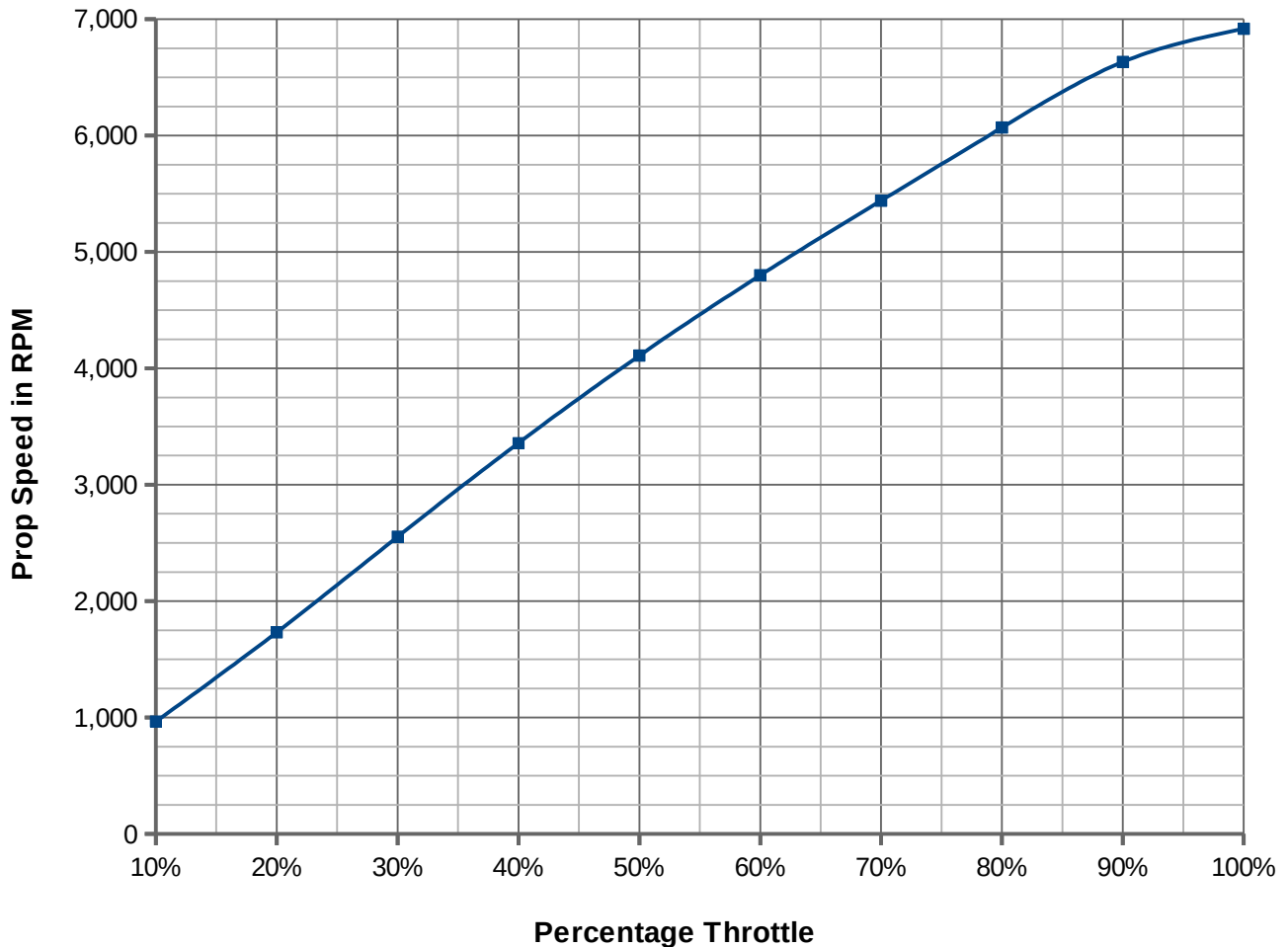
## Motor Current vs Throttle Position



# Cobra CM-3515-20 Motor Test Data, Kv=650

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	2.89	966	41.9	1.48	14.52
20%	0.56	8.27	1,732	124.7	4.39	15.07
30%	1.41	20.81	2,553	282.8	9.97	13.59
40%	2.90	42.98	3,358	497.1	17.52	11.57
50%	5.28	78.16	4,110	775.2	27.32	9.92
60%	8.43	124.72	4,800	1065.9	37.56	8.55
70%	12.64	187.12	5,441	1436.9	50.64	7.68
80%	17.82	263.80	6,069	1787.8	63.01	6.78
90%	23.90	353.73	6,633	2145.0	75.59	6.06
100%	28.09	415.75	6,918	2399.1	84.55	5.77

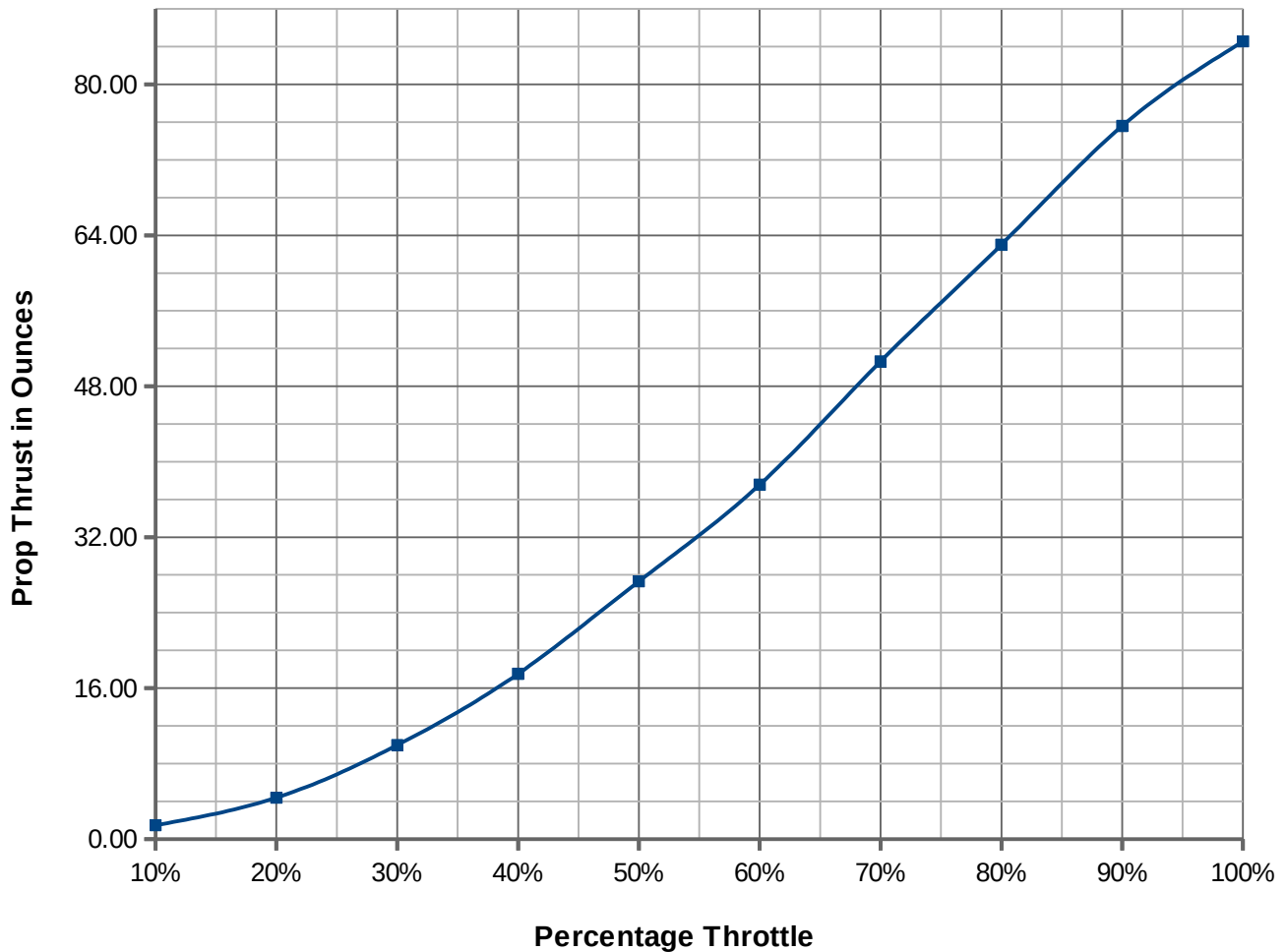
## Propeller RPM vs Throttle Position



## Cobra CM-3515-20 Motor Test Data, Kv=650

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	2.89	966	41.9	1.48	14.52
20%	0.56	8.27	1,732	124.7	4.39	15.07
30%	1.41	20.81	2,553	282.8	9.97	13.59
40%	2.90	42.98	3,358	497.1	17.52	11.57
50%	5.28	78.16	4,110	775.2	27.32	9.92
60%	8.43	124.72	4,800	1065.9	37.56	8.55
70%	12.64	187.12	5,441	1436.9	50.64	7.68
80%	17.82	263.80	6,069	1787.8	63.01	6.78
90%	23.90	353.73	6,633	2145.0	75.59	6.06
100%	28.09	415.75	6,918	2399.1	84.55	5.77

### Propeller Thrust vs Throttle Position



## Cobra CM-3515-20 Motor Test Data, Kv=650

Data Collected at 14.8 volts with APC 14x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.20	2.89	966	41.9	1.48	14.52
20%	0.56	8.27	1,732	124.7	4.39	15.07
30%	1.41	20.81	2,553	282.8	9.97	13.59
40%	2.90	42.98	3,358	497.1	17.52	11.57
50%	5.28	78.16	4,110	775.2	27.32	9.92
60%	8.43	124.72	4,800	1065.9	37.56	8.55
70%	12.64	187.12	5,441	1436.9	50.64	7.68
80%	17.82	263.80	6,069	1787.8	63.01	6.78
90%	23.90	353.73	6,633	2145.0	75.59	6.06
100%	28.09	415.75	6,918	2399.1	84.55	5.77

### Propeller Efficiency vs Throttle Position

