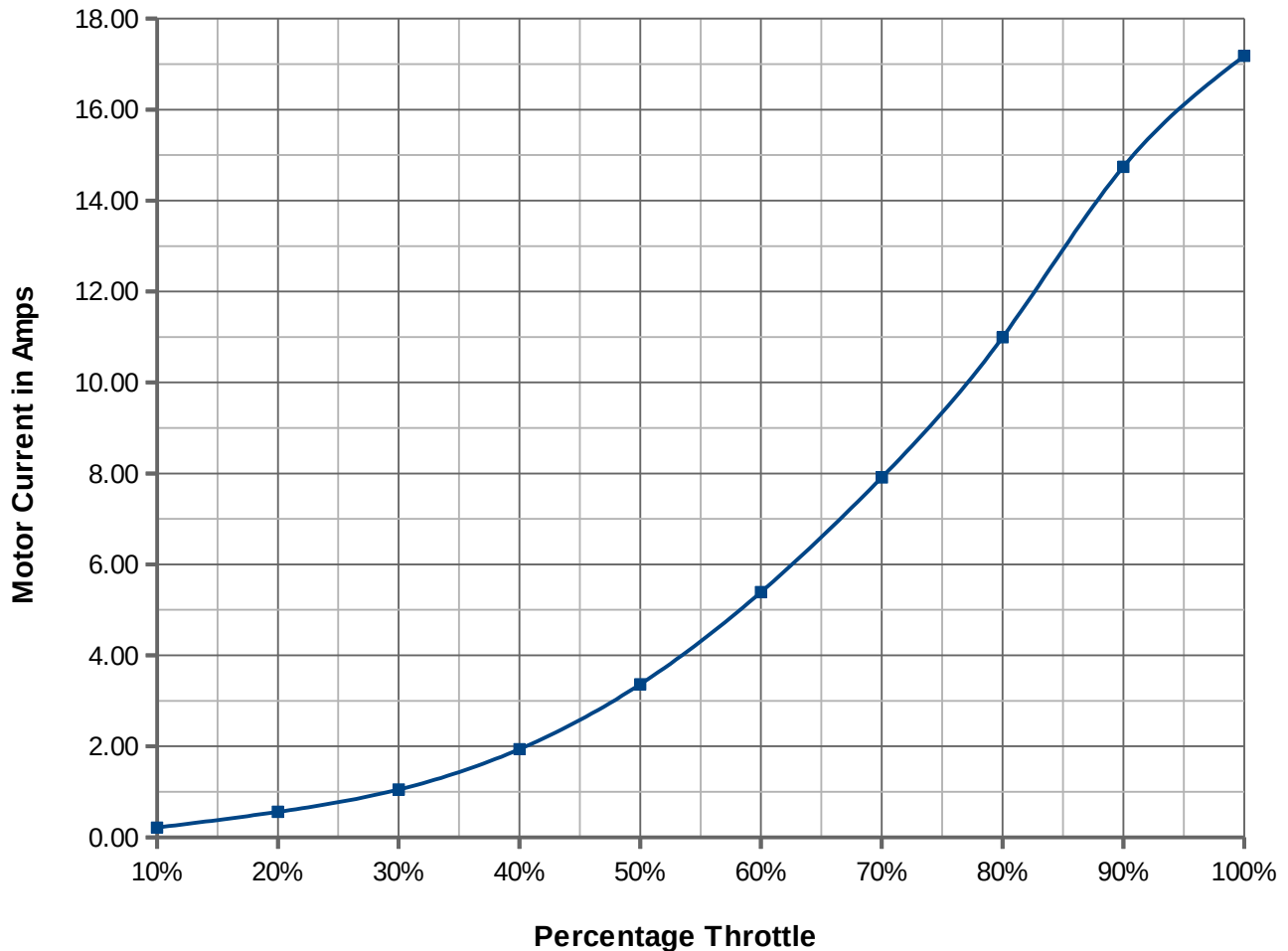


# Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 11.1 volts with GemFan 14x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.21	2.38	1,082	42.5	1.50	17.89
20%	0.56	6.22	1,687	94.0	3.31	15.12
30%	1.05	11.67	2,182	166.0	5.85	14.23
40%	1.94	21.51	2,763	276.3	9.74	12.84
50%	3.37	37.35	3,394	422.9	14.90	11.32
60%	5.39	59.84	3,972	608.3	21.44	10.17
70%	7.91	87.82	4,546	800.4	28.21	9.11
80%	10.99	122.02	5,098	1006.9	35.49	8.25
90%	14.74	163.65	5,600	1235.3	43.53	7.55
100%	17.18	190.68	5,875	1340.0	47.22	7.03

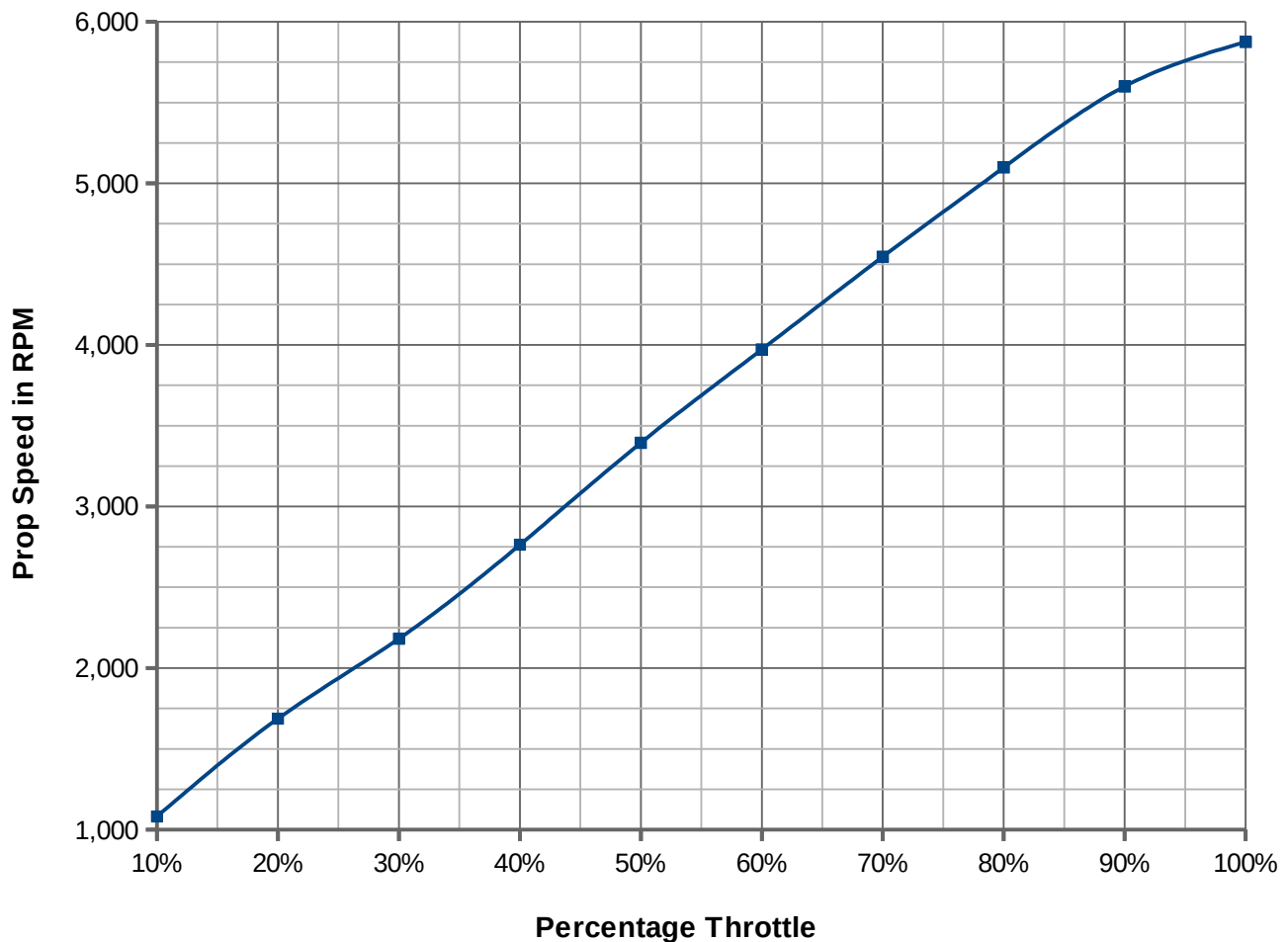
## Motor Current vs Throttle Position



## Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 11.1 volts with GemFan 14x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.21	2.38	1,082	42.5	1.50	17.89
20%	0.56	6.22	1,687	94.0	3.31	15.12
30%	1.05	11.67	2,182	166.0	5.85	14.23
40%	1.94	21.51	2,763	276.3	9.74	12.84
50%	3.37	37.35	3,394	422.9	14.90	11.32
60%	5.39	59.84	3,972	608.3	21.44	10.17
70%	7.91	87.82	4,546	800.4	28.21	9.11
80%	10.99	122.02	5,098	1006.9	35.49	8.25
90%	14.74	163.65	5,600	1235.3	43.53	7.55
100%	17.18	190.68	5,875	1340.0	47.22	7.03

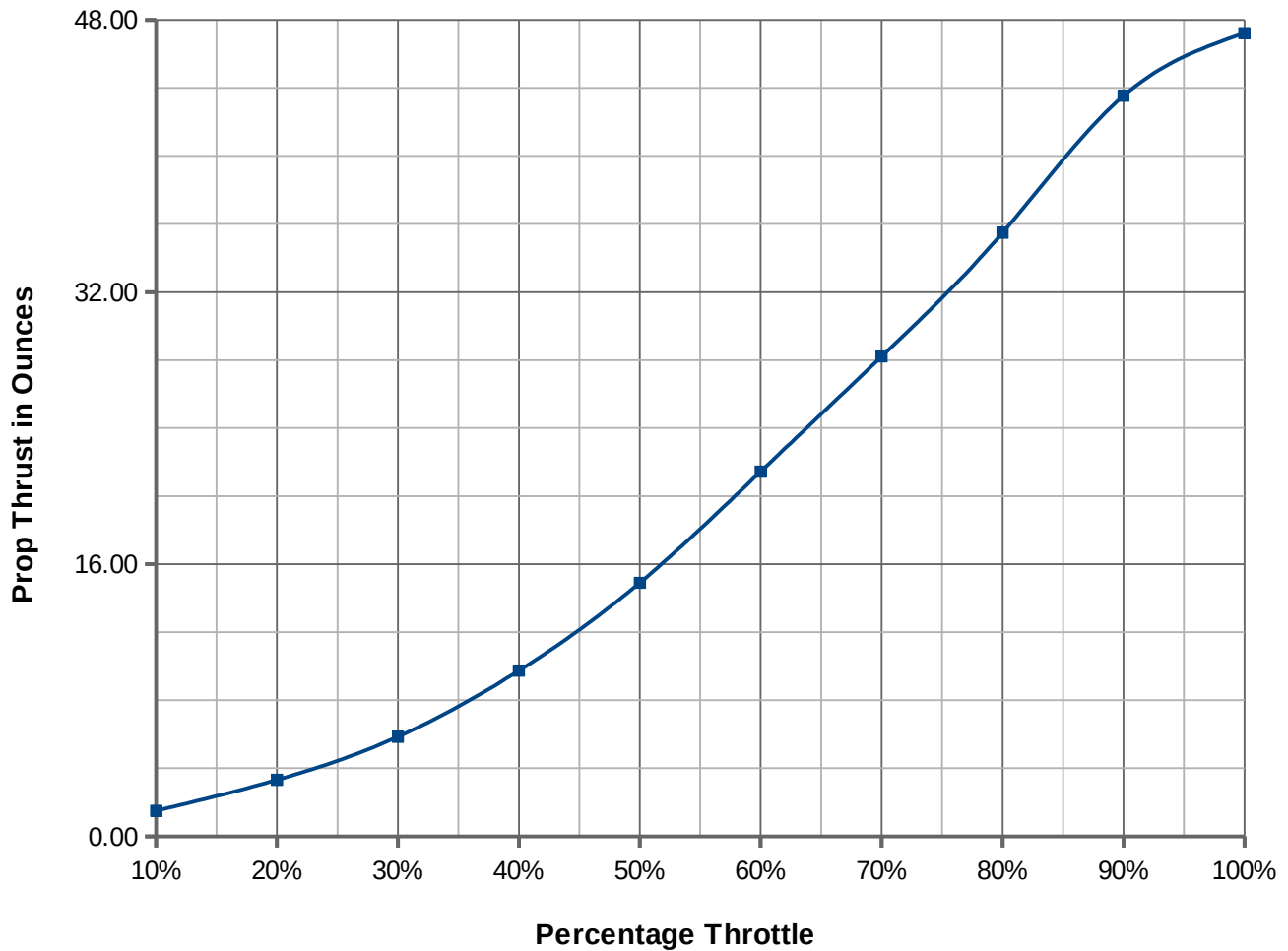
### Propeller RPM vs Throttle Position



## Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 11.1 volts with GemFan 14x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.21	2.38	1,082	42.5	1.50	17.89
20%	0.56	6.22	1,687	94.0	3.31	15.12
30%	1.05	11.67	2,182	166.0	5.85	14.23
40%	1.94	21.51	2,763	276.3	9.74	12.84
50%	3.37	37.35	3,394	422.9	14.90	11.32
60%	5.39	59.84	3,972	608.3	21.44	10.17
70%	7.91	87.82	4,546	800.4	28.21	9.11
80%	10.99	122.02	5,098	1006.9	35.49	8.25
90%	14.74	163.65	5,600	1235.3	43.53	7.55
100%	17.18	190.68	5,875	1340.0	47.22	7.03

### Propeller Thrust vs Throttle Position



# Cobra CM-2814/24 Motor Test Data, Kv=700

Data Collected at 11.1 volts with GemFan 14x4.5-MR Wood Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.21	2.38	1,082	42.5	1.50	17.89
20%	0.56	6.22	1,687	94.0	3.31	15.12
30%	1.05	11.67	2,182	166.0	5.85	14.23
40%	1.94	21.51	2,763	276.3	9.74	12.84
50%	3.37	37.35	3,394	422.9	14.90	11.32
60%	5.39	59.84	3,972	608.3	21.44	10.17
70%	7.91	87.82	4,546	800.4	28.21	9.11
80%	10.99	122.02	5,098	1006.9	35.49	8.25
90%	14.74	163.65	5,600	1235.3	43.53	7.55
100%	17.18	190.68	5,875	1340.0	47.22	7.03

## Propeller Efficiency vs Throttle Position

