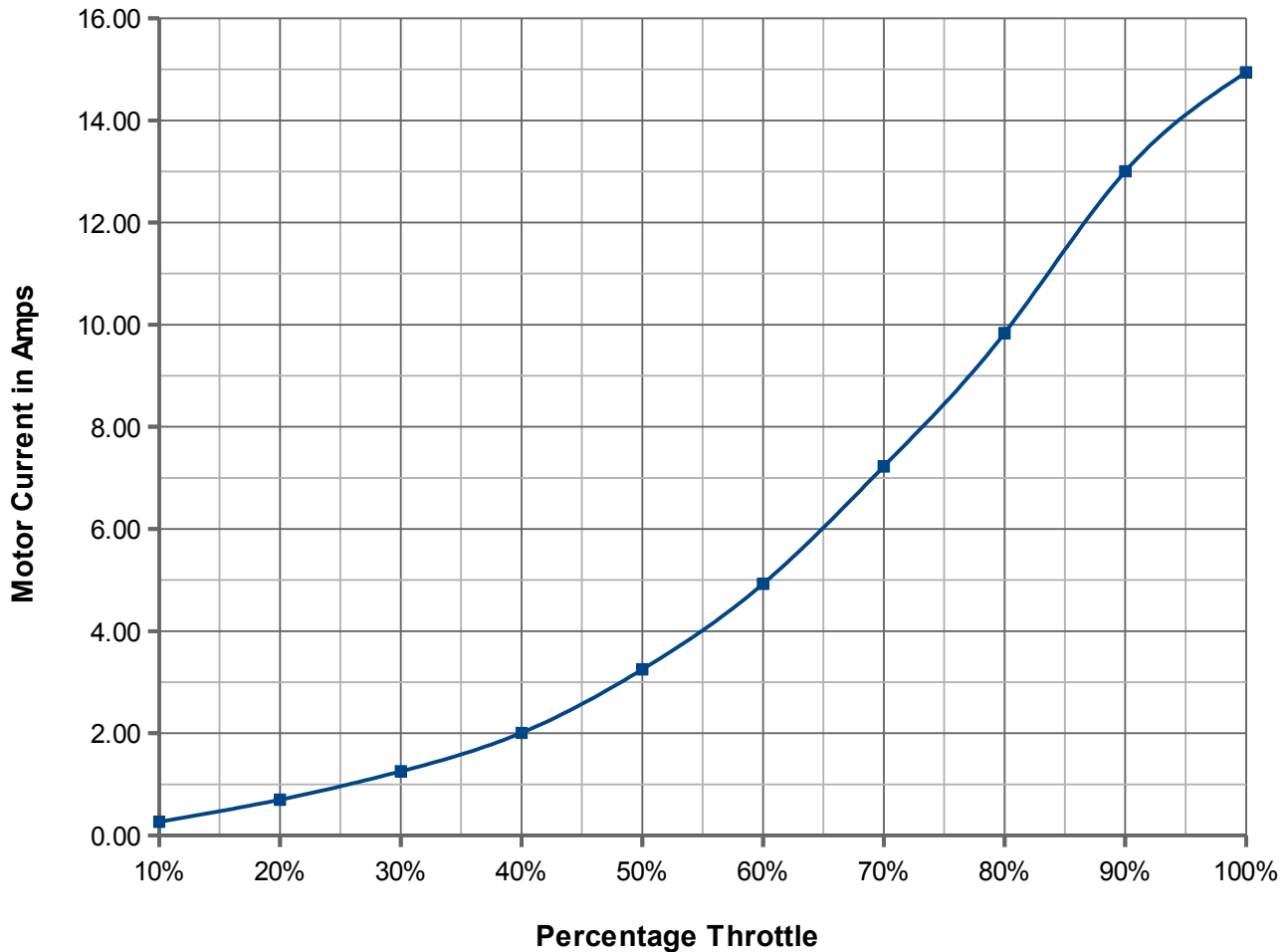


# Cobra CM-2217-20 Motor Test Data, Kv=950

Data Collected at 14.8 volts with GemFan 9x4.7-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	3.95	2,065	53.3	1.88	13.49
20%	0.70	10.36	3,186	123.0	4.33	11.87
30%	1.26	18.57	4,059	196.4	6.92	10.57
40%	2.01	29.72	4,853	281.8	9.93	9.48
50%	3.25	48.11	5,814	398.7	14.05	8.29
60%	4.92	72.86	6,742	541.9	19.10	7.44
70%	7.22	106.90	7,707	713.6	25.15	6.68
80%	9.84	145.57	8,583	871.0	30.70	5.98
90%	13.00	192.44	9,397	1051.5	37.06	5.46
100%	14.94	221.16	9,847	1159.9	40.88	5.24

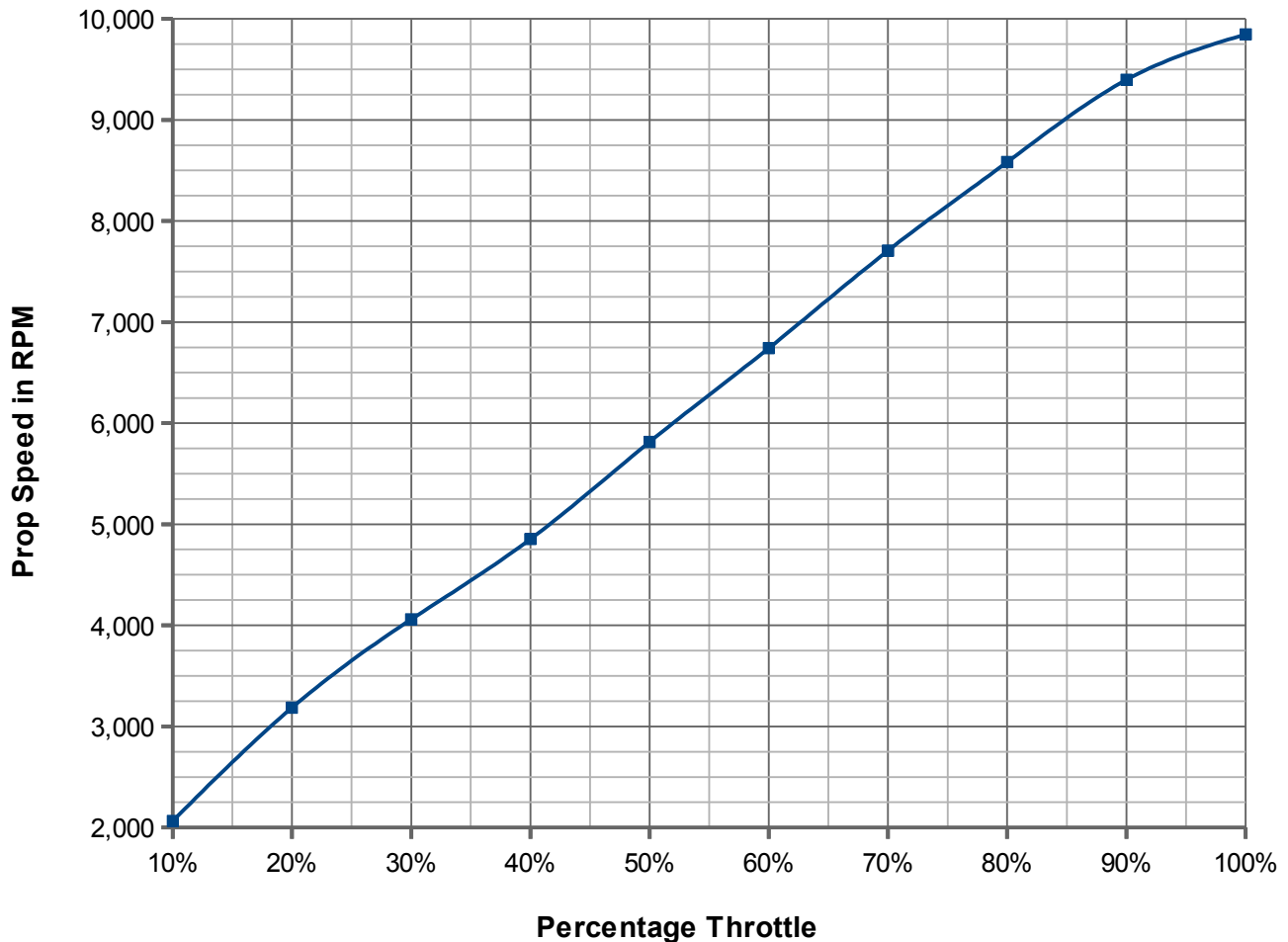
## Motor Current vs Throttle Position



# Cobra CM-2217-20 Motor Test Data, Kv=950

Data Collected at 14.8 volts with GemFan 9x4.7-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	3.95	2,065	53.3	1.88	13.49
20%	0.70	10.36	3,186	123.0	4.33	11.87
30%	1.26	18.57	4,059	196.4	6.92	10.57
40%	2.01	29.72	4,853	281.8	9.93	9.48
50%	3.25	48.11	5,814	398.7	14.05	8.29
60%	4.92	72.86	6,742	541.9	19.10	7.44
70%	7.22	106.90	7,707	713.6	25.15	6.68
80%	9.84	145.57	8,583	871.0	30.70	5.98
90%	13.00	192.44	9,397	1051.5	37.06	5.46
100%	14.94	221.16	9,847	1159.9	40.88	5.24

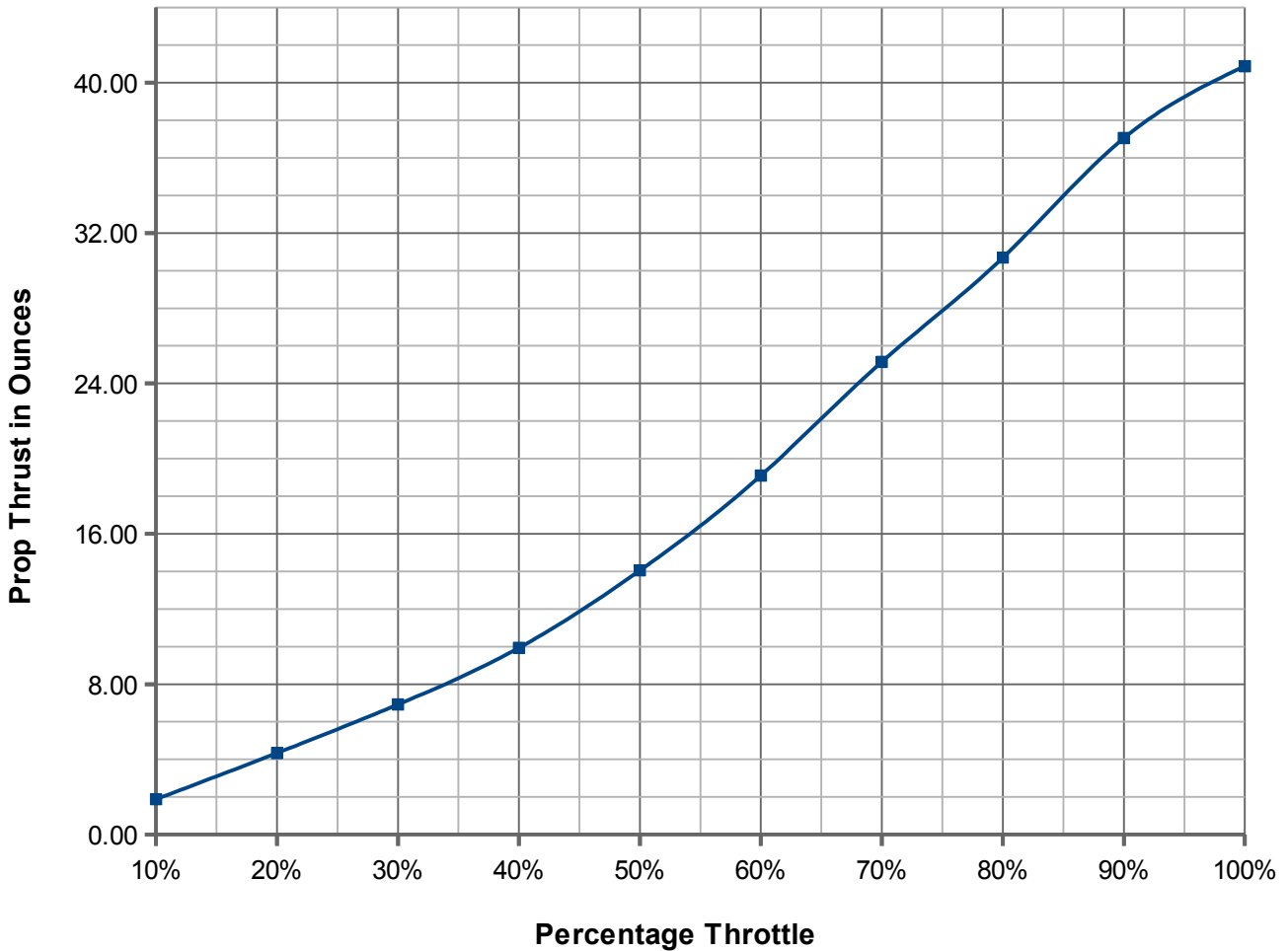
## Propeller RPM vs Throttle Position



# Cobra CM-2217-20 Motor Test Data, Kv=950

Data Collected at 14.8 volts with GemFan 9x4.7-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	3.95	2,065	53.3	1.88	13.49
20%	0.70	10.36	3,186	123.0	4.33	11.87
30%	1.26	18.57	4,059	196.4	6.92	10.57
40%	2.01	29.72	4,853	281.8	9.93	9.48
50%	3.25	48.11	5,814	398.7	14.05	8.29
60%	4.92	72.86	6,742	541.9	19.10	7.44
70%	7.22	106.90	7,707	713.6	25.15	6.68
80%	9.84	145.57	8,583	871.0	30.70	5.98
90%	13.00	192.44	9,397	1051.5	37.06	5.46
100%	14.94	221.16	9,847	1159.9	40.88	5.24

## Propeller Thrust vs Throttle Position



## Cobra CM-2217-20 Motor Test Data, Kv=950

Data Collected at 14.8 volts with GemFan 9x4.7-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.27	3.95	2,065	53.3	1.88	13.49
20%	0.70	10.36	3,186	123.0	4.33	11.87
30%	1.26	18.57	4,059	196.4	6.92	10.57
40%	2.01	29.72	4,853	281.8	9.93	9.48
50%	3.25	48.11	5,814	398.7	14.05	8.29
60%	4.92	72.86	6,742	541.9	19.10	7.44
70%	7.22	106.90	7,707	713.6	25.15	6.68
80%	9.84	145.57	8,583	871.0	30.70	5.98
90%	13.00	192.44	9,397	1051.5	37.06	5.46
100%	14.94	221.16	9,847	1159.9	40.88	5.24

### Propeller Efficiency vs Throttle Position

