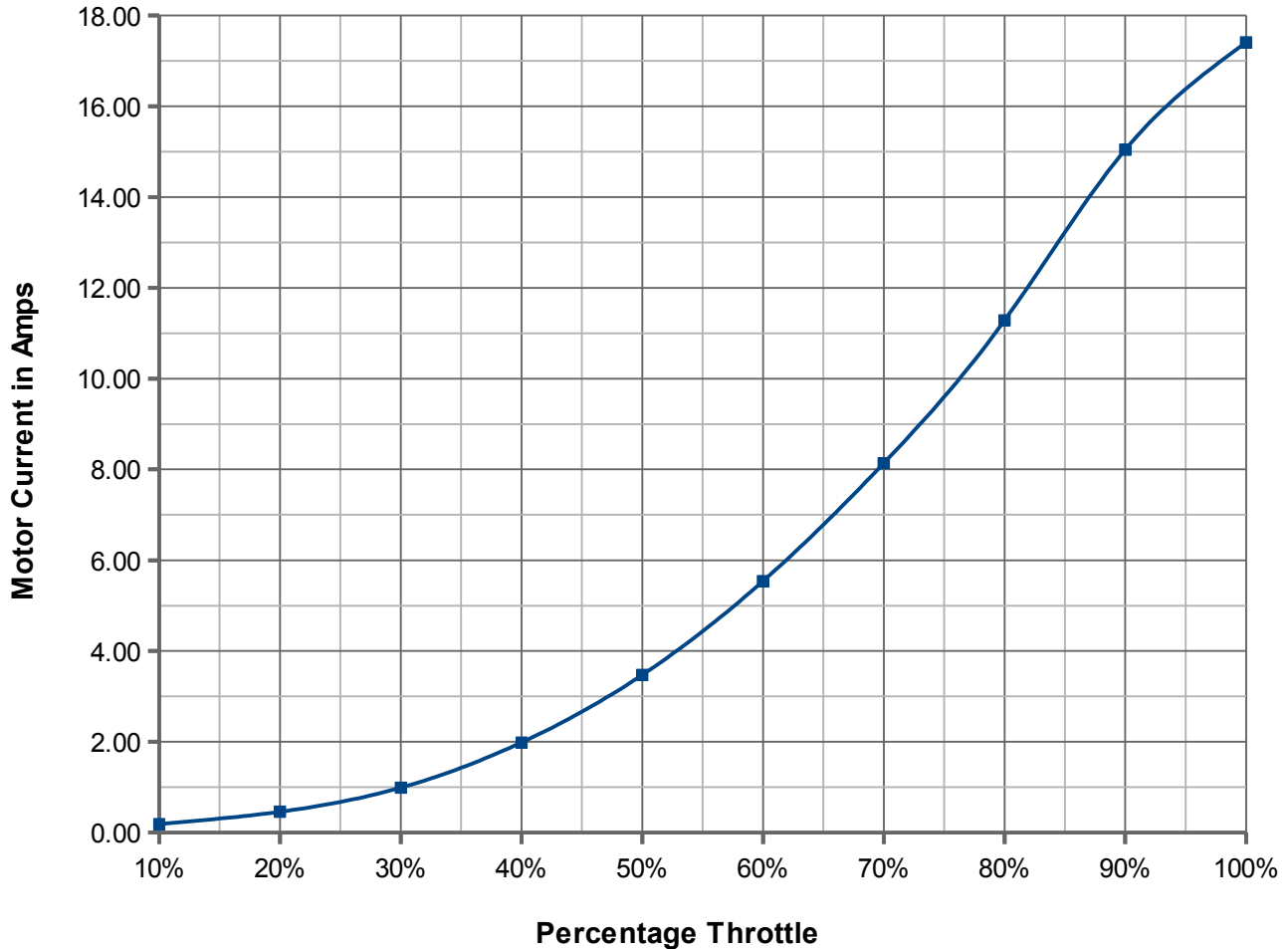


Cobra CM-2820-32 Motor Test Data, Kv=350

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,065	72.8	2.57	17.26
20%	0.46	10.21	1,630	170.2	6.00	16.67
30%	0.99	21.98	2,205	331.0	11.67	15.06
40%	1.99	44.09	2,825	560.2	19.74	12.71
50%	3.47	77.12	3,409	835.0	29.43	10.83
60%	5.54	122.99	3,960	1166.6	41.11	9.49
70%	8.14	180.62	4,468	1526.5	53.80	8.45
80%	11.28	250.50	4,951	1873.8	66.04	7.48
90%	15.05	334.00	5,366	2248.3	79.24	6.73
100%	17.41	386.39	5,587	2442.4	86.08	6.32

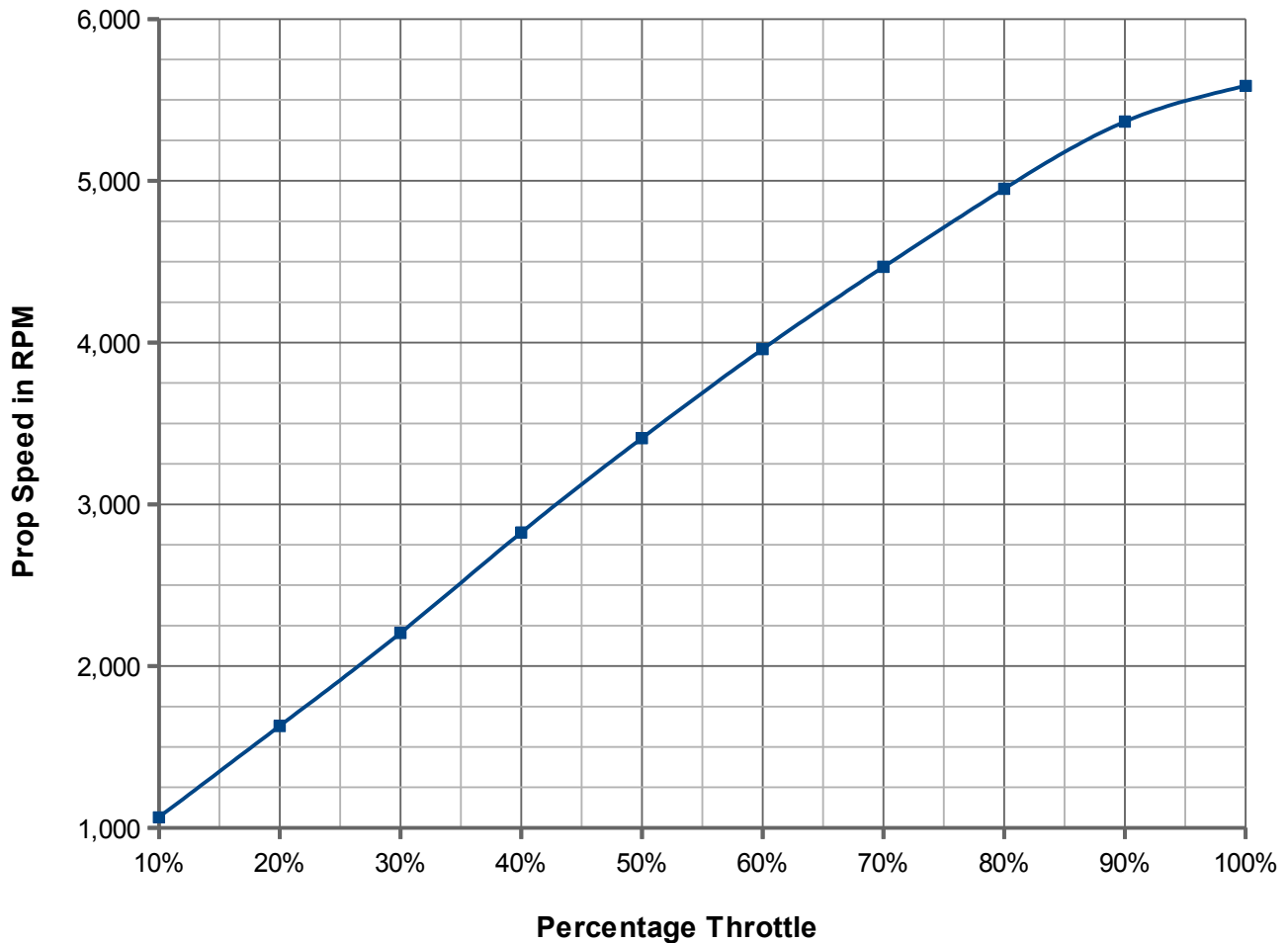
Motor Current vs Throttle Position



Cobra CM-2820-32 Motor Test Data, Kv=350

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,065	72.8	2.57	17.26
20%	0.46	10.21	1,630	170.2	6.00	16.67
30%	0.99	21.98	2,205	331.0	11.67	15.06
40%	1.99	44.09	2,825	560.2	19.74	12.71
50%	3.47	77.12	3,409	835.0	29.43	10.83
60%	5.54	122.99	3,960	1166.6	41.11	9.49
70%	8.14	180.62	4,468	1526.5	53.80	8.45
80%	11.28	250.50	4,951	1873.8	66.04	7.48
90%	15.05	334.00	5,366	2248.3	79.24	6.73
100%	17.41	386.39	5,587	2442.4	86.08	6.32

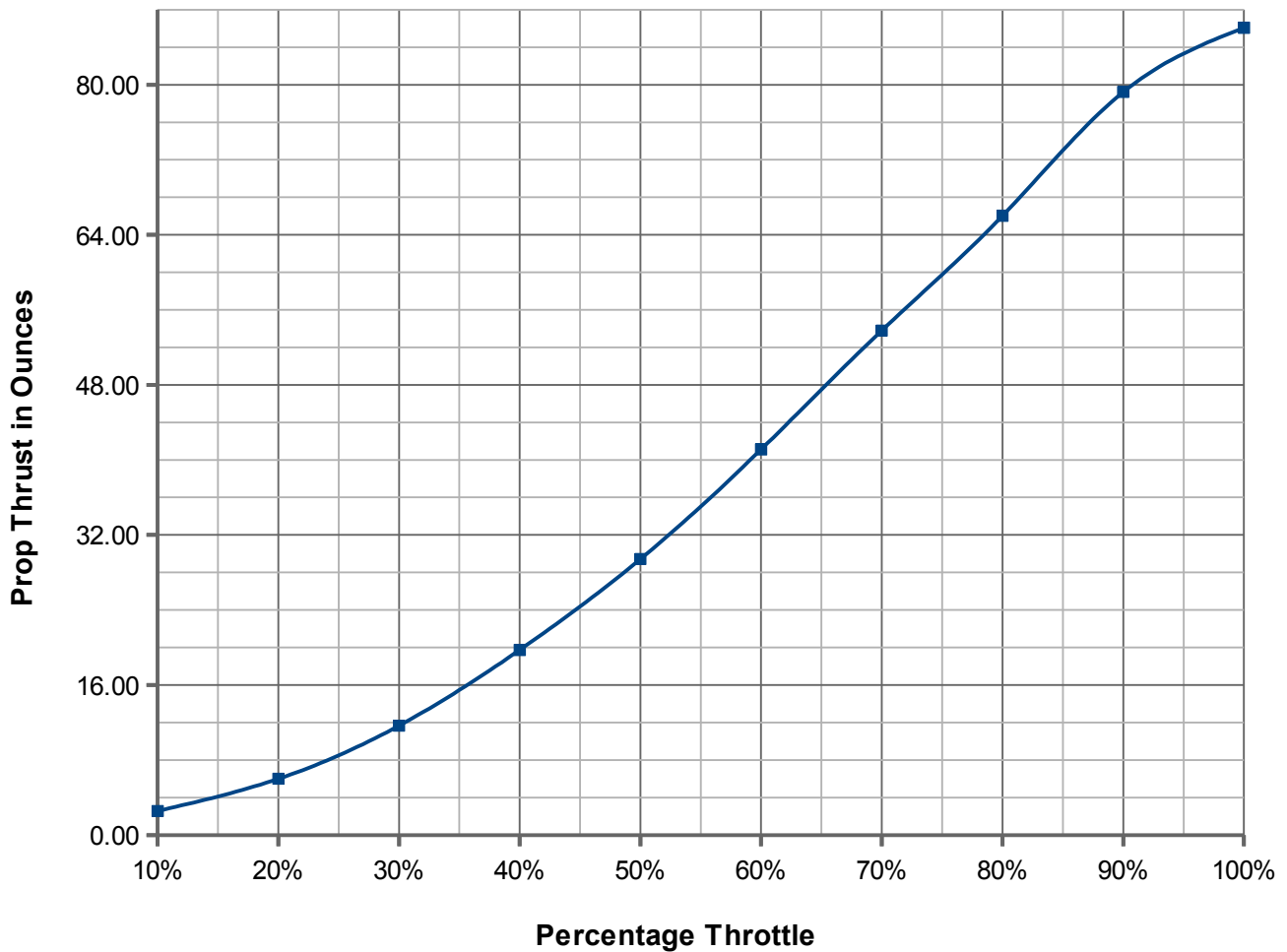
Propeller RPM vs Throttle Position



Cobra CM-2820-32 Motor Test Data, Kv=350

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,065	72.8	2.57	17.26
20%	0.46	10.21	1,630	170.2	6.00	16.67
30%	0.99	21.98	2,205	331.0	11.67	15.06
40%	1.99	44.09	2,825	560.2	19.74	12.71
50%	3.47	77.12	3,409	835.0	29.43	10.83
60%	5.54	122.99	3,960	1166.6	41.11	9.49
70%	8.14	180.62	4,468	1526.5	53.80	8.45
80%	11.28	250.50	4,951	1873.8	66.04	7.48
90%	15.05	334.00	5,366	2248.3	79.24	6.73
100%	17.41	386.39	5,587	2442.4	86.08	6.32

Propeller Thrust vs Throttle Position



Cobra CM-2820-32 Motor Test Data, Kv=350

Data Collected at 22.2 volts with APC 16x5.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.19	4.22	1,065	72.8	2.57	17.26
20%	0.46	10.21	1,630	170.2	6.00	16.67
30%	0.99	21.98	2,205	331.0	11.67	15.06
40%	1.99	44.09	2,825	560.2	19.74	12.71
50%	3.47	77.12	3,409	835.0	29.43	10.83
60%	5.54	122.99	3,960	1166.6	41.11	9.49
70%	8.14	180.62	4,468	1526.5	53.80	8.45
80%	11.28	250.50	4,951	1873.8	66.04	7.48
90%	15.05	334.00	5,366	2248.3	79.24	6.73
100%	17.41	386.39	5,587	2442.4	86.08	6.32

Propeller Efficiency vs Throttle Position

