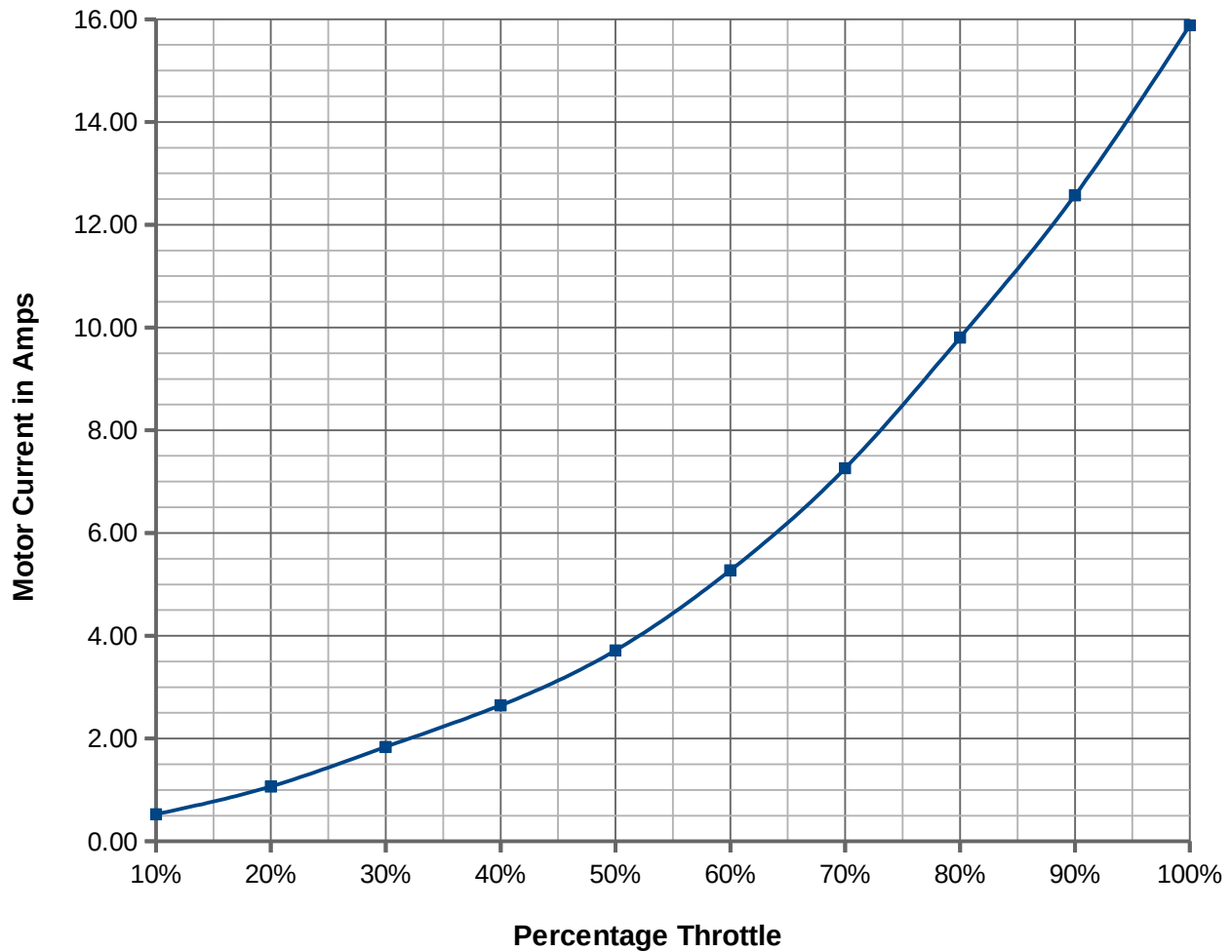


Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 14.8 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.53	7.80	6,378	50.3	1.77	6.45
20%	1.07	15.81	9,193	96.9	3.42	6.13
30%	1.84	27.20	11,641	156.3	5.51	5.75
40%	2.65	39.18	13,568	206.1	7.27	5.26
50%	3.72	54.98	15,592	264.9	9.34	4.82
60%	5.27	78.04	17,846	347.1	12.24	4.45
70%	7.26	107.45	20,152	443.0	15.63	4.12
80%	9.81	145.11	22,062	540.2	19.05	3.72
90%	12.57	186.08	24,337	651.9	22.99	3.50
100%	15.88	235.04	26,611	774.2	27.31	3.29

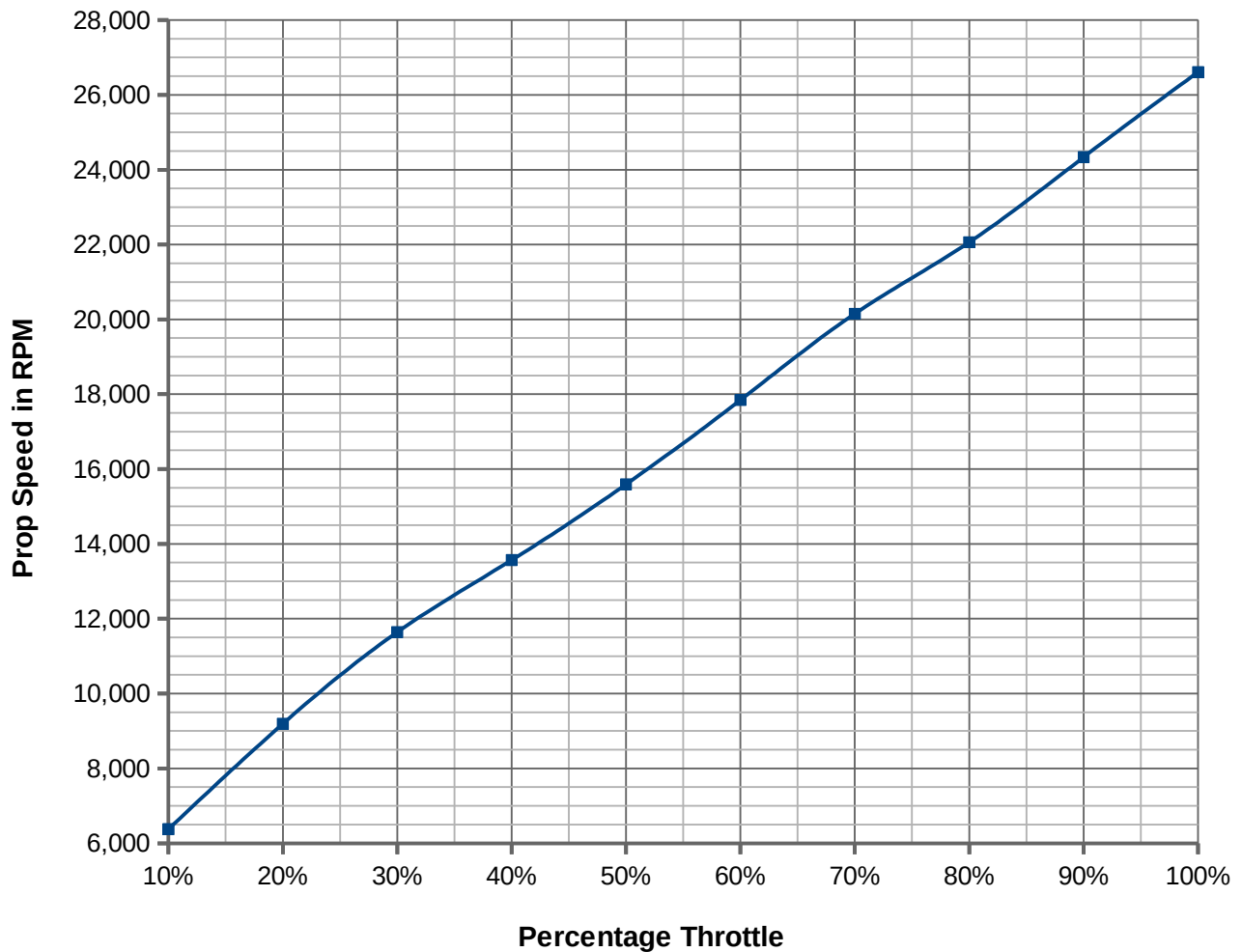
Motor Current vs Throttle Position



Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 14.8 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.53	7.80	6,378	50.3	1.77	6.45
20%	1.07	15.81	9,193	96.9	3.42	6.13
30%	1.84	27.20	11,641	156.3	5.51	5.75
40%	2.65	39.18	13,568	206.1	7.27	5.26
50%	3.72	54.98	15,592	264.9	9.34	4.82
60%	5.27	78.04	17,846	347.1	12.24	4.45
70%	7.26	107.45	20,152	443.0	15.63	4.12
80%	9.81	145.11	22,062	540.2	19.05	3.72
90%	12.57	186.08	24,337	651.9	22.99	3.50
100%	15.88	235.04	26,611	774.2	27.31	3.29

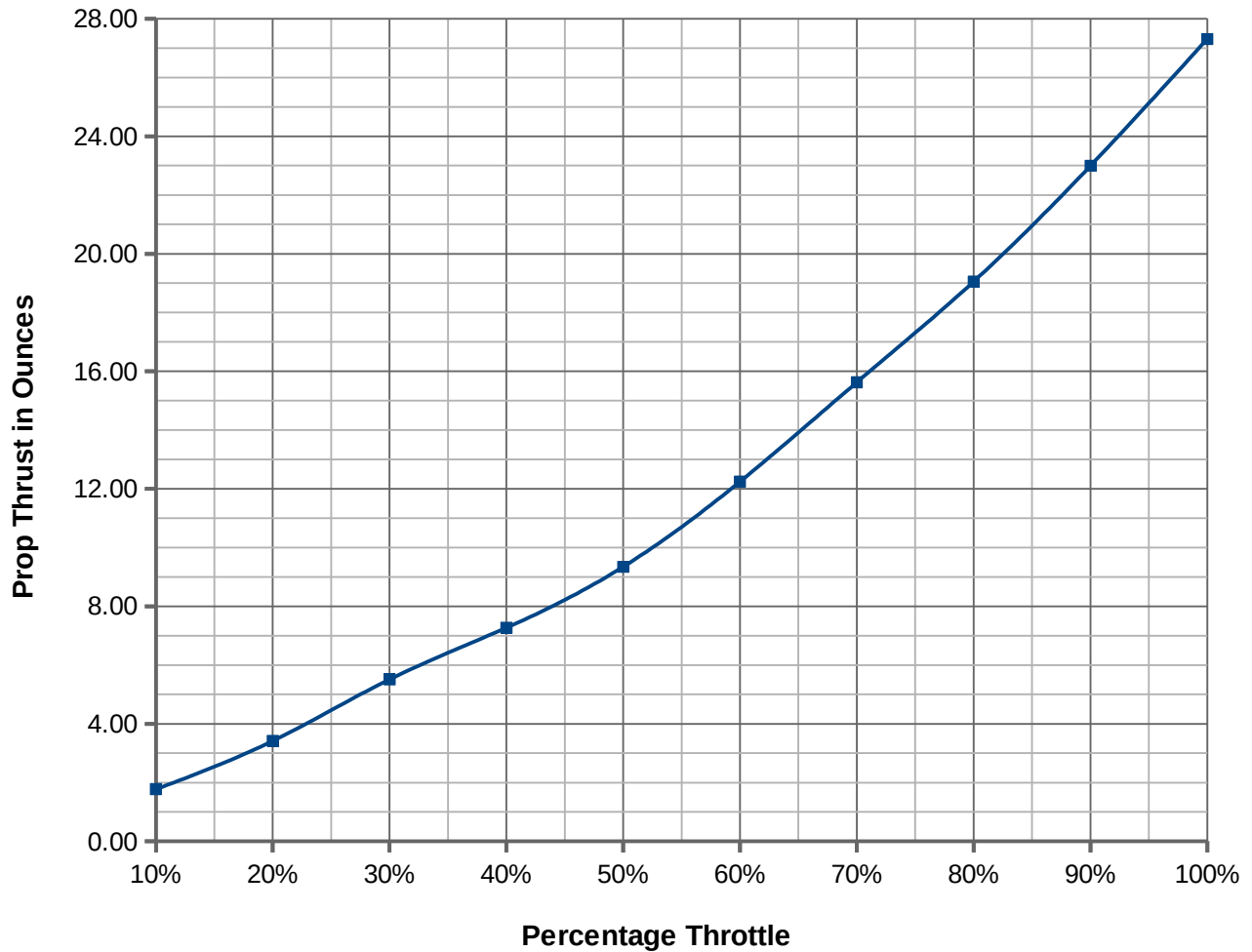
Propeller RPM vs Throttle Position



Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 14.8 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.53	7.80	6,378	50.3	1.77	6.45
20%	1.07	15.81	9,193	96.9	3.42	6.13
30%	1.84	27.20	11,641	156.3	5.51	5.75
40%	2.65	39.18	13,568	206.1	7.27	5.26
50%	3.72	54.98	15,592	264.9	9.34	4.82
60%	5.27	78.04	17,846	347.1	12.24	4.45
70%	7.26	107.45	20,152	443.0	15.63	4.12
80%	9.81	145.11	22,062	540.2	19.05	3.72
90%	12.57	186.08	24,337	651.9	22.99	3.50
100%	15.88	235.04	26,611	774.2	27.31	3.29

Propeller Thrust vs Throttle Position



Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 14.8 volts with HQ 5x4 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.53	7.80	6,378	50.3	1.77	6.45
20%	1.07	15.81	9,193	96.9	3.42	6.13
30%	1.84	27.20	11,641	156.3	5.51	5.75
40%	2.65	39.18	13,568	206.1	7.27	5.26
50%	3.72	54.98	15,592	264.9	9.34	4.82
60%	5.27	78.04	17,846	347.1	12.24	4.45
70%	7.26	107.45	20,152	443.0	15.63	4.12
80%	9.81	145.11	22,062	540.2	19.05	3.72
90%	12.57	186.08	24,337	651.9	22.99	3.50
100%	15.88	235.04	26,611	774.2	27.31	3.29

Propeller Efficiency vs Throttle Position

