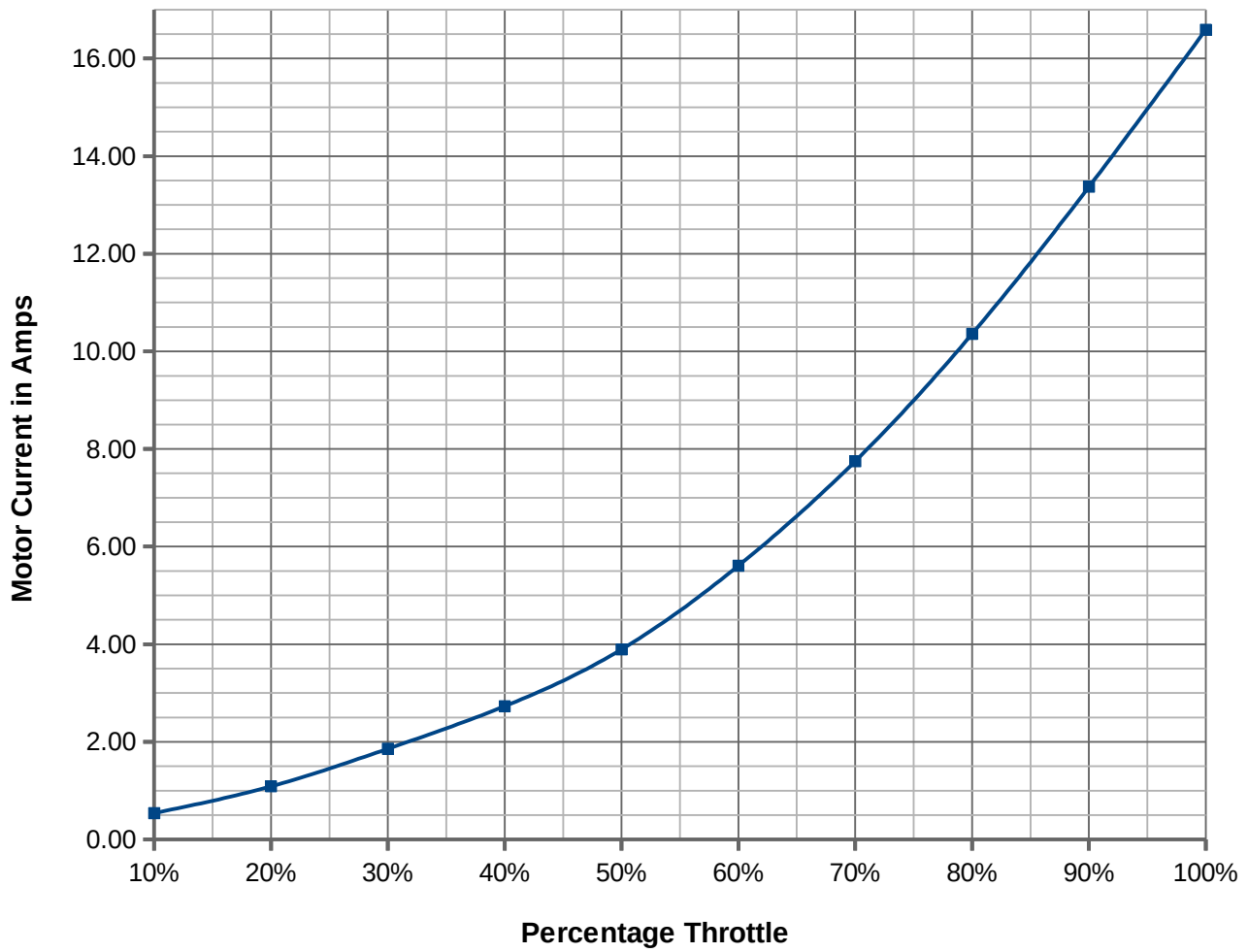


Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 14.8 volts with HQ 4x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.54	7.98	6,174	40.7	1.44	5.10
20%	1.09	16.10	8,903	78.0	2.75	4.84
30%	1.86	27.50	11,351	119.4	4.21	4.34
40%	2.73	40.39	13,234	165.3	5.83	4.09
50%	3.89	57.62	15,220	215.9	7.62	3.75
60%	5.61	83.00	17,559	285.5	10.07	3.44
70%	7.75	114.69	19,893	366.3	12.92	3.19
80%	10.36	153.28	21,798	445.4	15.71	2.91
90%	13.37	197.89	24,065	533.7	18.83	2.70
100%	16.59	245.49	26,332	619.8	21.86	2.52

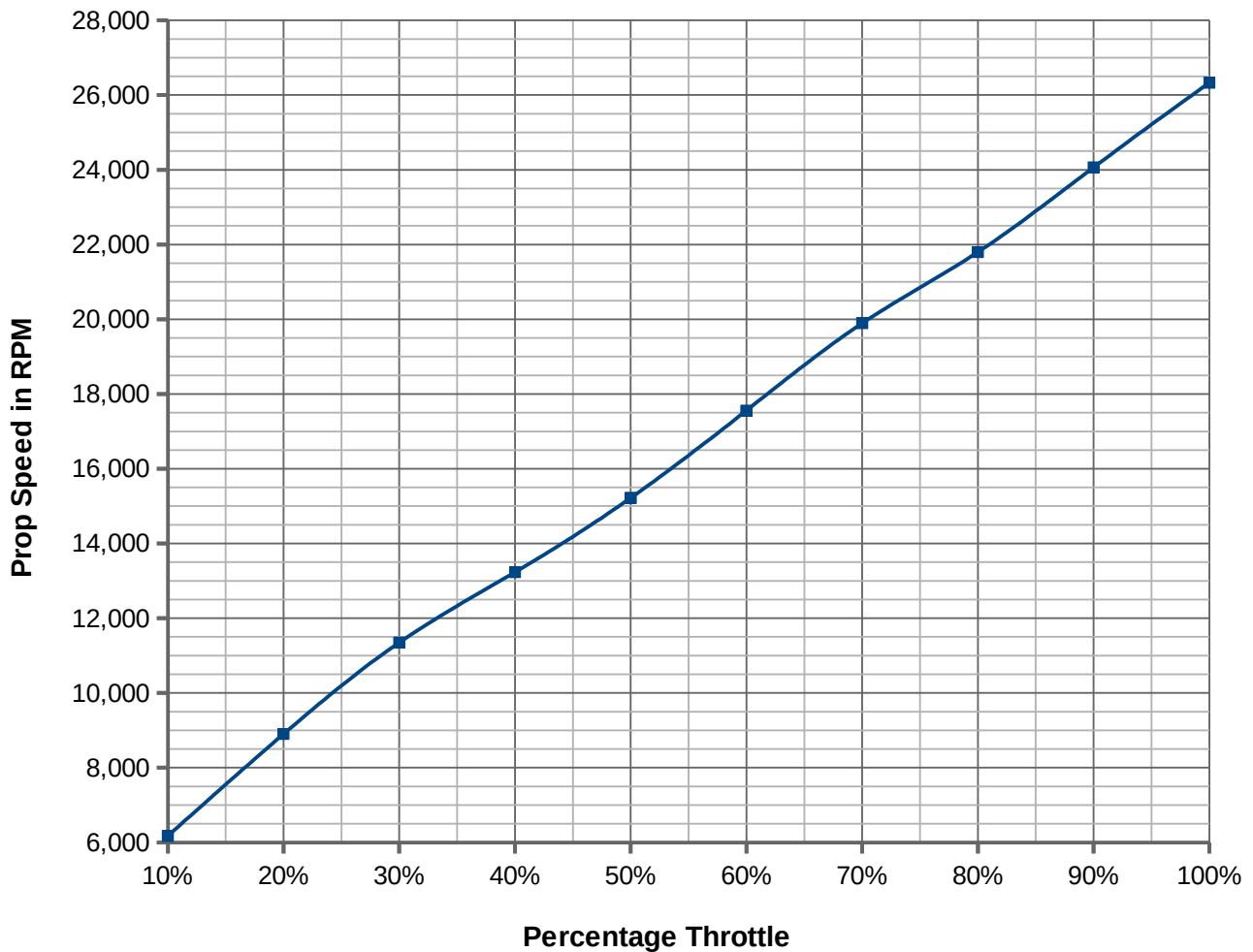
Motor Current vs Throttle Position



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

Data Collected at 14.8 volts with HQ 4x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.54	7.98	6,174	40.7	1.44	5.10
20%	1.09	16.10	8,903	78.0	2.75	4.84
30%	1.86	27.50	11,351	119.4	4.21	4.34
40%	2.73	40.39	13,234	165.3	5.83	4.09
50%	3.89	57.62	15,220	215.9	7.62	3.75
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70%	7.75	114.69	19,893	366.3	12.92	3.19
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90%	13.37	197.89	24,065	533.7	18.83	2.70
100%	16.59	245.49	26,332	619.8	21.86	2.52

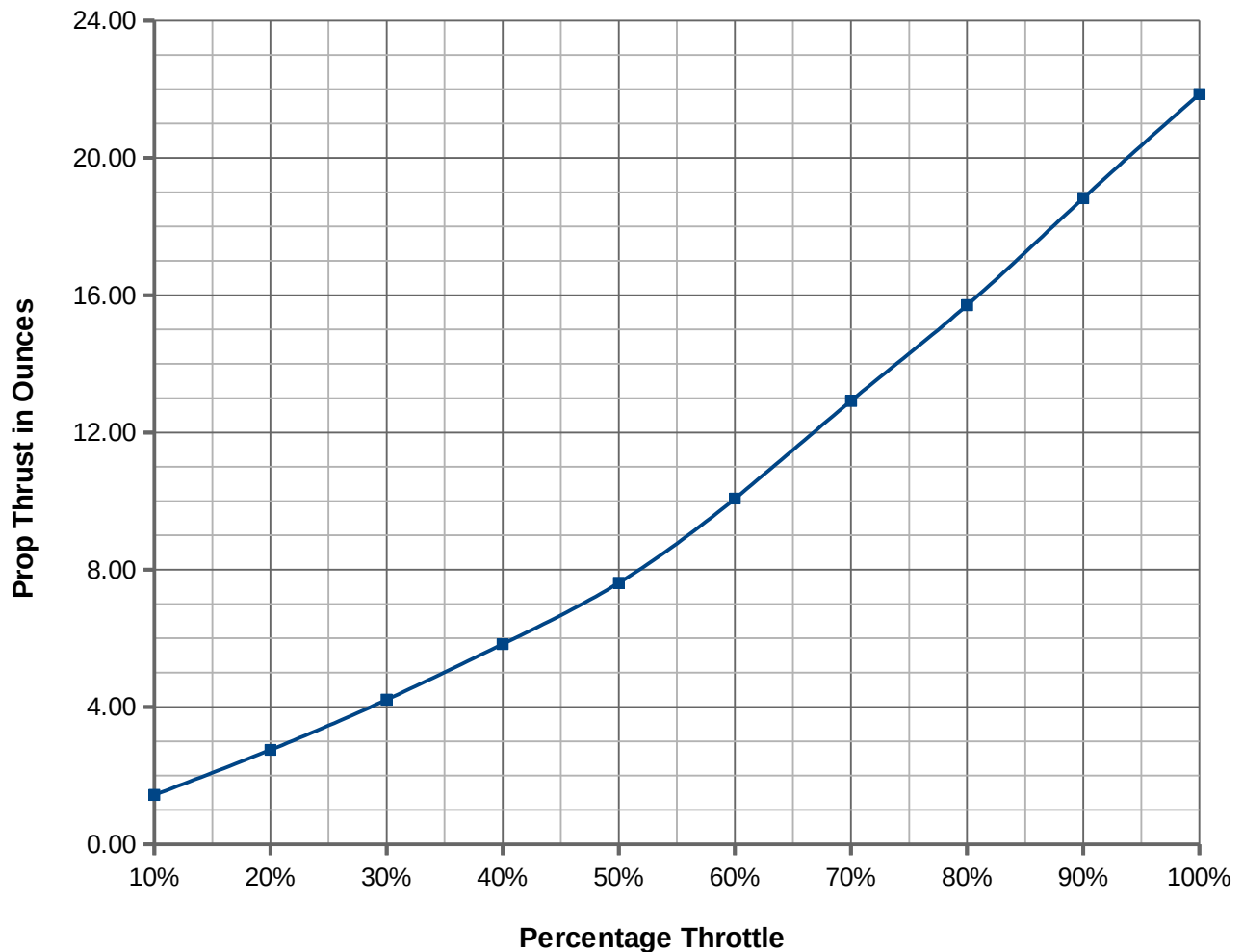
Propeller RPM vs Throttle Position



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

Data Collected at 14.8 volts with HQ 4x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.54	7.98	6,174	40.7	1.44	5.10
20%	1.09	16.10	8,903	78.0	2.75	4.84
30%	1.86	27.50	11,351	119.4	4.21	4.34
40%	2.73	40.39	13,234	165.3	5.83	4.09
50%	3.89	57.62	15,220	215.9	7.62	3.75
60%	5.61	83.00	17,559	285.5	10.07	3.44
70%	7.75	114.69	19,893	366.3	12.92	3.19
80%	10.36	153.28	21,798	445.4	15.71	2.91
90%	13.37	197.89	24,065	533.7	18.83	2.70
100%	16.59	245.49	26,332	619.8	21.86	2.52

Propeller Thrust vs Throttle Position



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

Data Collected at 14.8 volts with HQ 4x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.54	7.98	6,174	40.7	1.44	5.10
20%	1.09	16.10	8,903	78.0	2.75	4.84
30%	1.86	27.50	11,351	119.4	4.21	4.34
40%	2.73	40.39	13,234	165.3	5.83	4.09
50%	3.89	57.62	15,220	215.9	7.62	3.75
60%	5.61	83.00	17,559	285.5	10.07	3.44
70%	7.75	114.69	19,893	366.3	12.92	3.19
80%	10.36	153.28	21,798	445.4	15.71	2.91
90%	13.37	197.89	24,065	533.7	18.83	2.70
100%	16.59	245.49	26,332	619.8	21.86	2.52

Propeller Efficiency vs Throttle Position

