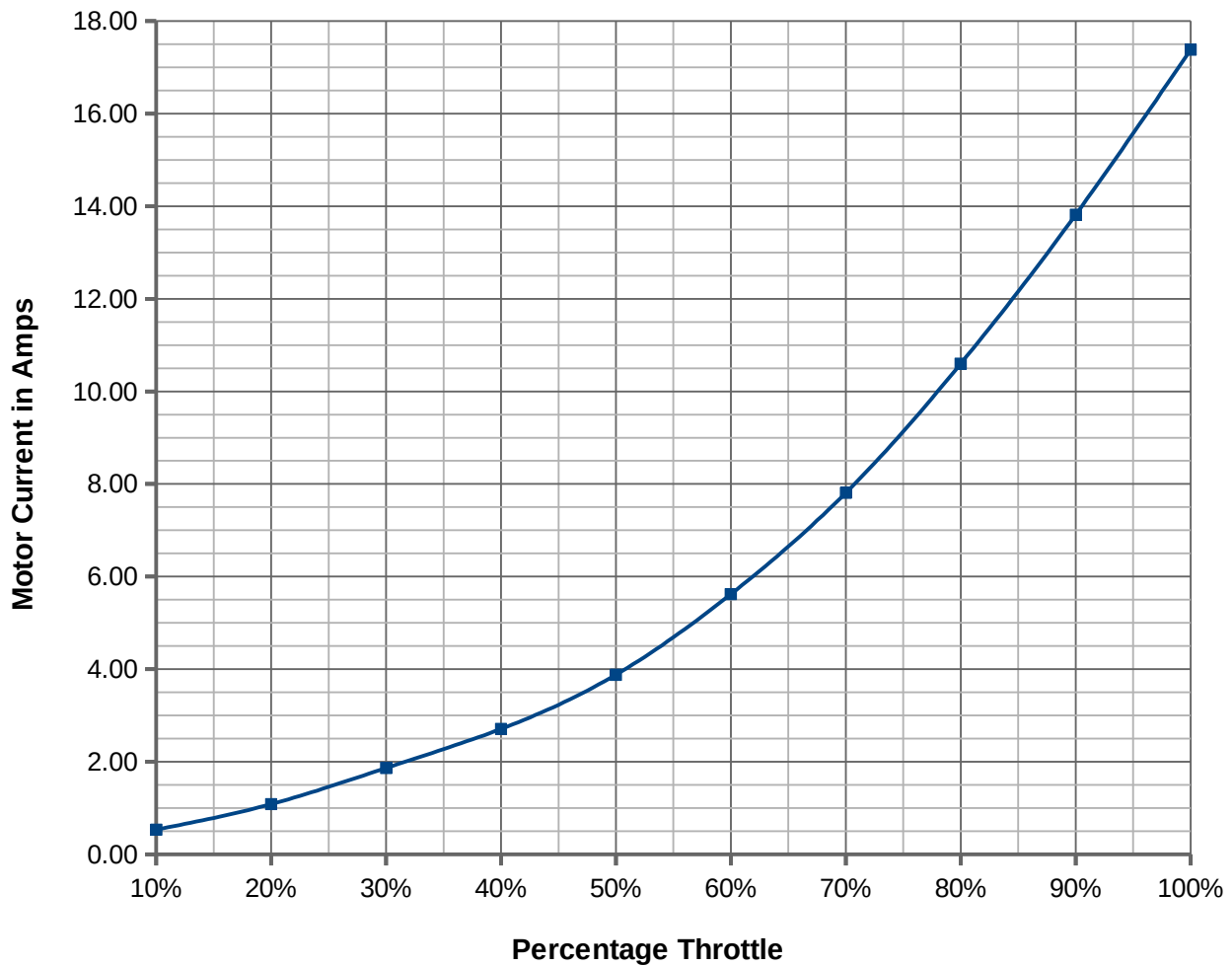


Scorpion M-2205-2350 Motor Test Data, Kv=2350

Data Collected at 14.8 volts with HQ 5x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.53	7.89	6,327	43.1	1.52	5.46
20%	1.08	16.04	9,107	89.9	3.17	5.60
30%	1.87	27.60	11,457	144.9	5.11	5.25
40%	2.71	40.09	13,370	196.0	6.91	4.89
50%	3.88	57.41	15,181	260.9	9.20	4.54
60%	5.62	83.19	17,518	342.4	12.08	4.12
70%	7.81	115.56	19,892	440.5	15.54	3.81
80%	10.60	156.88	21,678	539.3	19.02	3.44
90%	13.82	204.52	23,803	648.4	22.87	3.17
100%	17.38	257.25	25,928	755.2	26.64	2.94

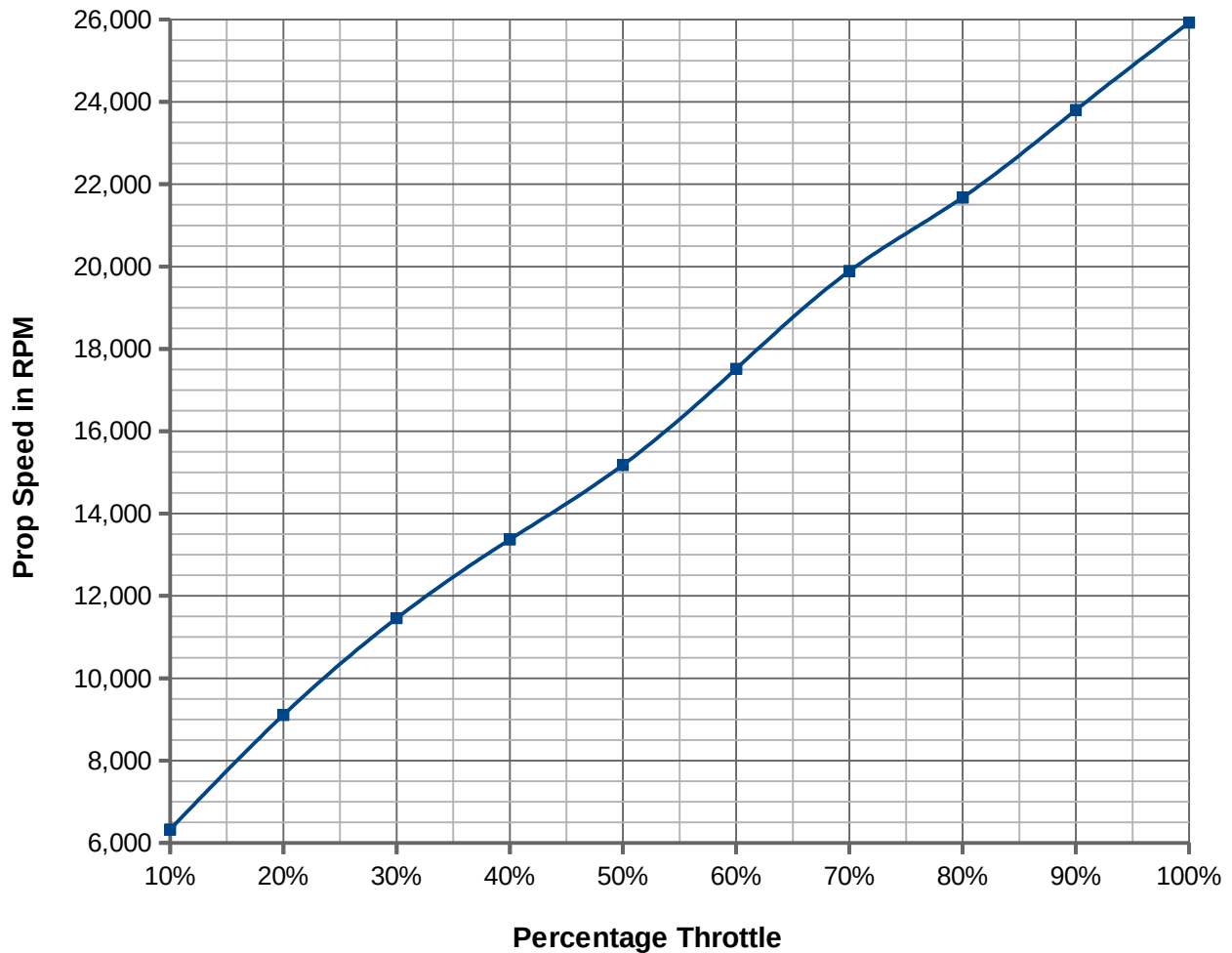
Motor Current vs Throttle Position



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

Data Collected at 14.8 volts with HQ 5x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.53	7.89	6,327	43.1	1.52	5.46
20%	1.08	16.04	9,107	89.9	3.17	5.60
30%	1.87	27.60	11,457	144.9	5.11	5.25
40%	2.71	40.09	13,370	196.0	6.91	4.89
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90%	13.82	204.52	23,803	648.4	22.87	3.17
100%	17.38	257.25	25,928	755.2	26.64	2.94

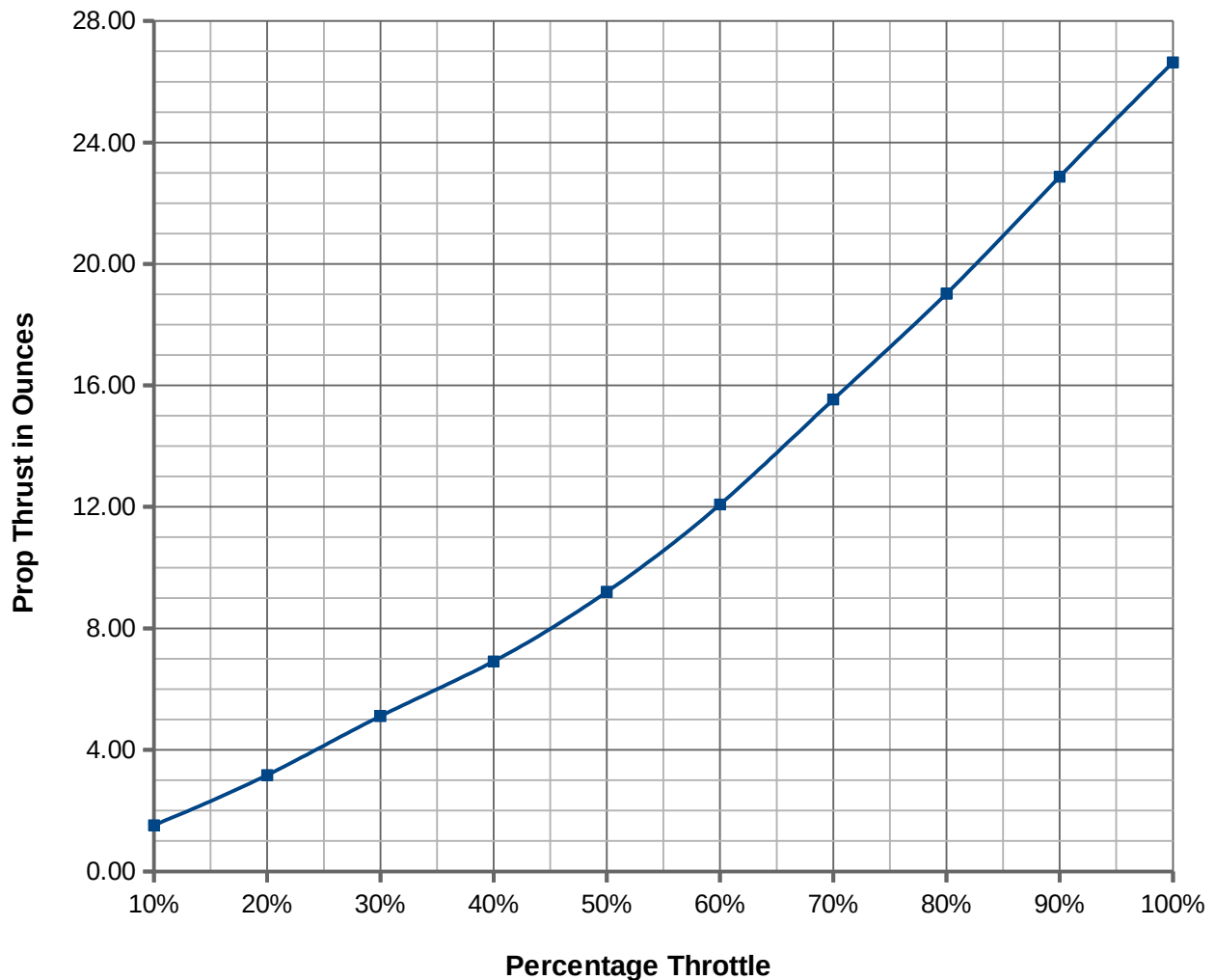
Propeller RPM vs Throttle Position



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

Data Collected at 14.8 volts with HQ 5x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.53	7.89	6,327	43.1	1.52	5.46
20%	1.08	16.04	9,107	89.9	3.17	5.60
30%	1.87	27.60	11,457	144.9	5.11	5.25
40%	2.71	40.09	13,370	196.0	6.91	4.89
50%	3.88	57.41	15,181	260.9	9.20	4.54
60%	5.62	83.19	17,518	342.4	12.08	4.12
70%	7.81	115.56	19,892	440.5	15.54	3.81
80%	10.60	156.88	21,678	539.3	19.02	3.44
90%	13.82	204.52	23,803	648.4	22.87	3.17
100%	17.38	257.25	25,928	755.2	26.64	2.94

Propeller Thrust vs Throttle Position



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

Data Collected at 14.8 volts with HQ 5x4.5 Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.53	7.89	6,327	43.1	1.52	5.46
20%	1.08	16.04	9,107	89.9	3.17	5.60
30%	1.87	27.60	11,457	144.9	5.11	5.25
40%	2.71	40.09	13,370	196.0	6.91	4.89
50%	3.88	57.41	15,181	260.9	9.20	4.54
60%	5.62	83.19	17,518	342.4	12.08	4.12
70%	7.81	115.56	19,892	440.5	15.54	3.81
80%	10.60	156.88	21,678	539.3	19.02	3.44
90%	13.82	204.52	23,803	648.4	22.87	3.17
100%	17.38	257.25	25,928	755.2	26.64	2.94

Propeller Efficiency vs Throttle Position

