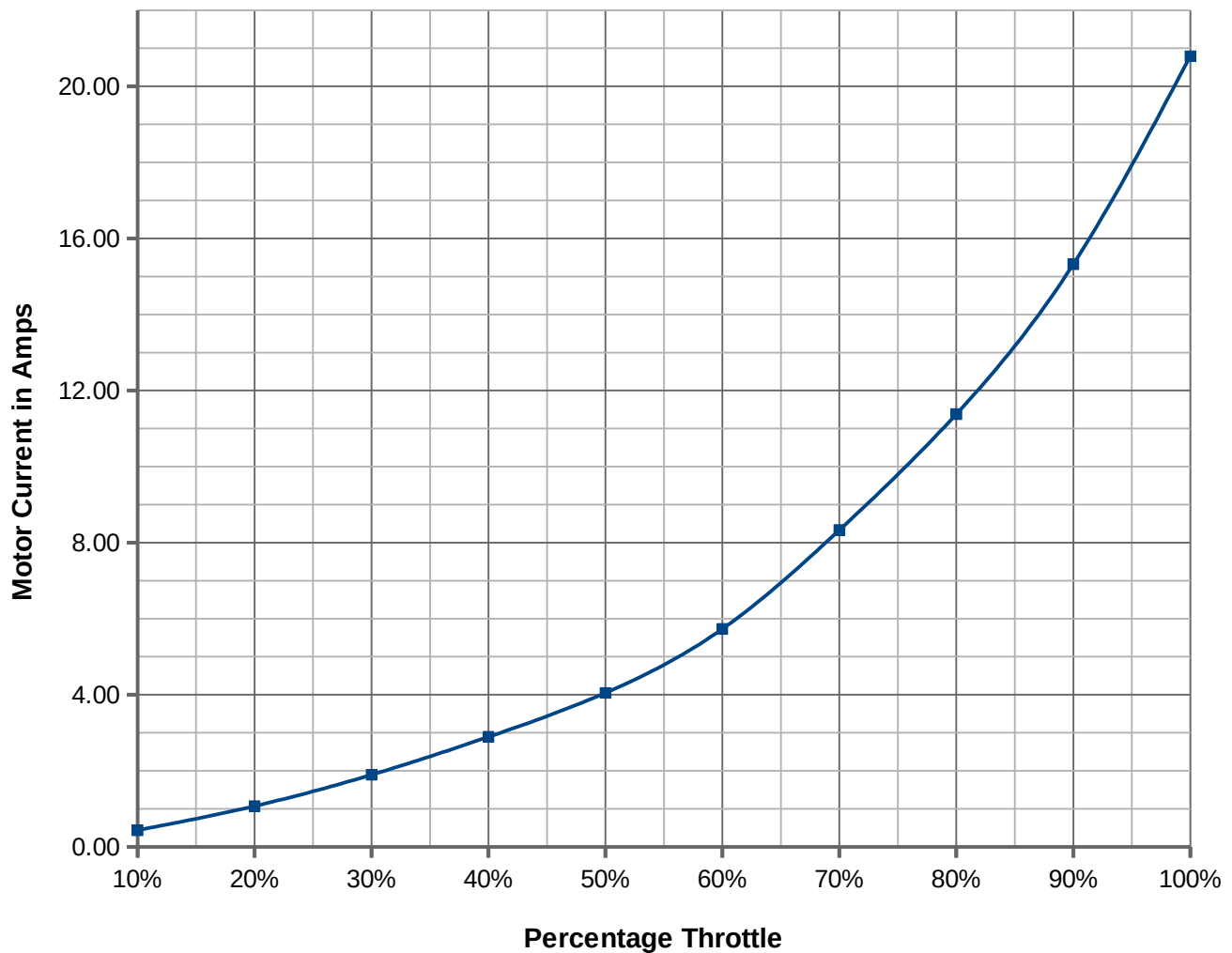


# Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 11.1 volts with HQ 5x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.44	4.86	4,063	28.1	0.99	5.78
20%	1.07	11.91	6,355	71.3	2.51	5.99
30%	1.90	21.06	8,188	118.6	4.18	5.63
40%	2.89	32.11	9,690	169.6	5.98	5.28
50%	4.05	44.96	11,090	221.1	7.80	4.92
60%	5.73	63.61	12,650	288.0	10.16	4.53
70%	8.33	92.47	14,450	384.0	13.54	4.15
80%	11.38	126.32	16,255	481.9	17.00	3.81
90%	15.32	170.10	17,957	595.3	21.00	3.50
100%	20.79	230.80	19,940	732.4	25.83	3.17

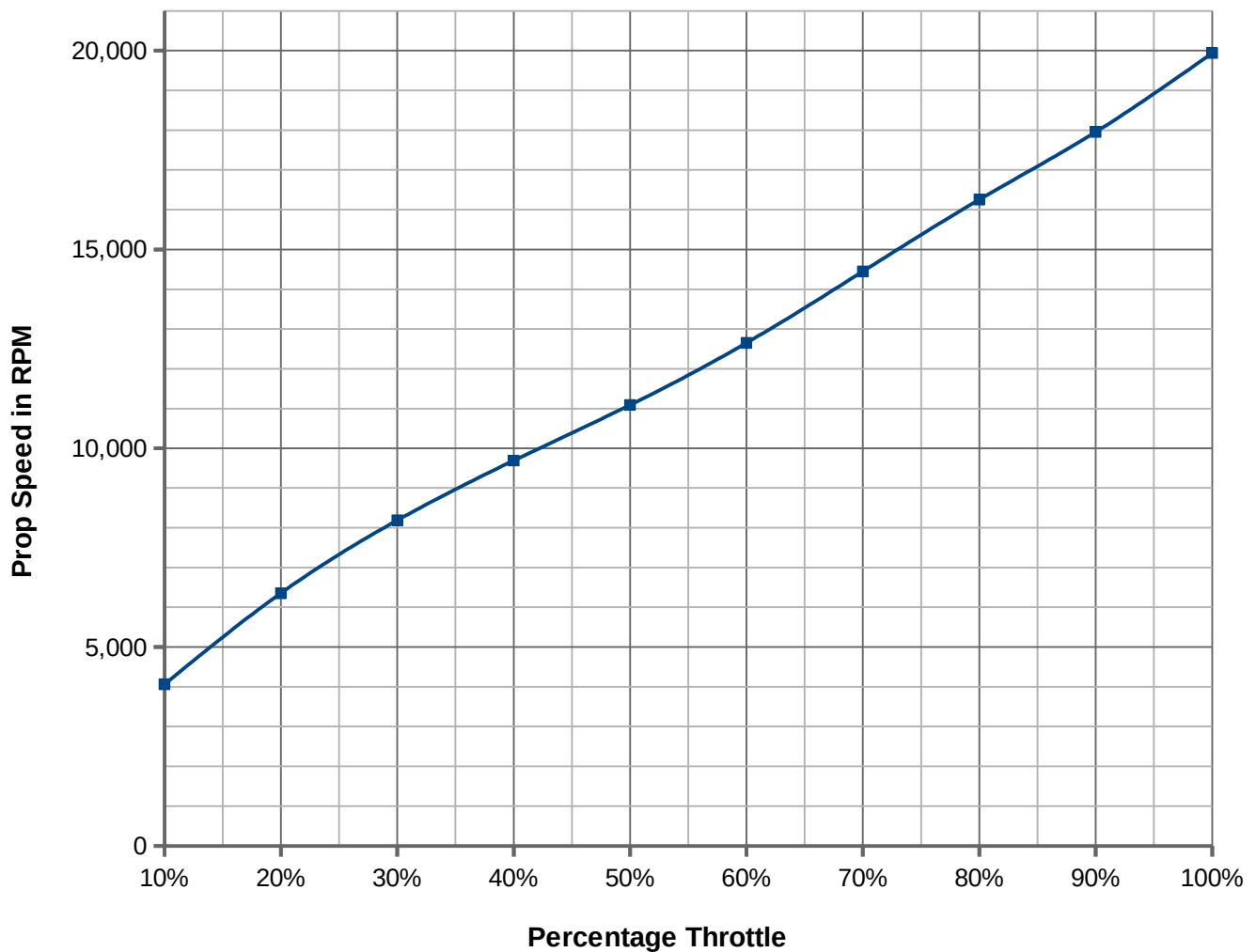
## Motor Current vs Throttle Position



# Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 11.1 volts with HQ 5x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.44	4.86	4,063	28.1	0.99	5.78
20%	1.07	11.91	6,355	71.3	2.51	5.99
30%	1.90	21.06	8,188	118.6	4.18	5.63
40%	2.89	32.11	9,690	169.6	5.98	5.28
50%	4.05	44.96	11,090	221.1	7.80	4.92
60%	5.73	63.61	12,650	288.0	10.16	4.53
70%	8.33	92.47	14,450	384.0	13.54	4.15
80%	11.38	126.32	16,255	481.9	17.00	3.81
90%	15.32	170.10	17,957	595.3	21.00	3.50
100%	20.79	230.80	19,940	732.4	25.83	3.17

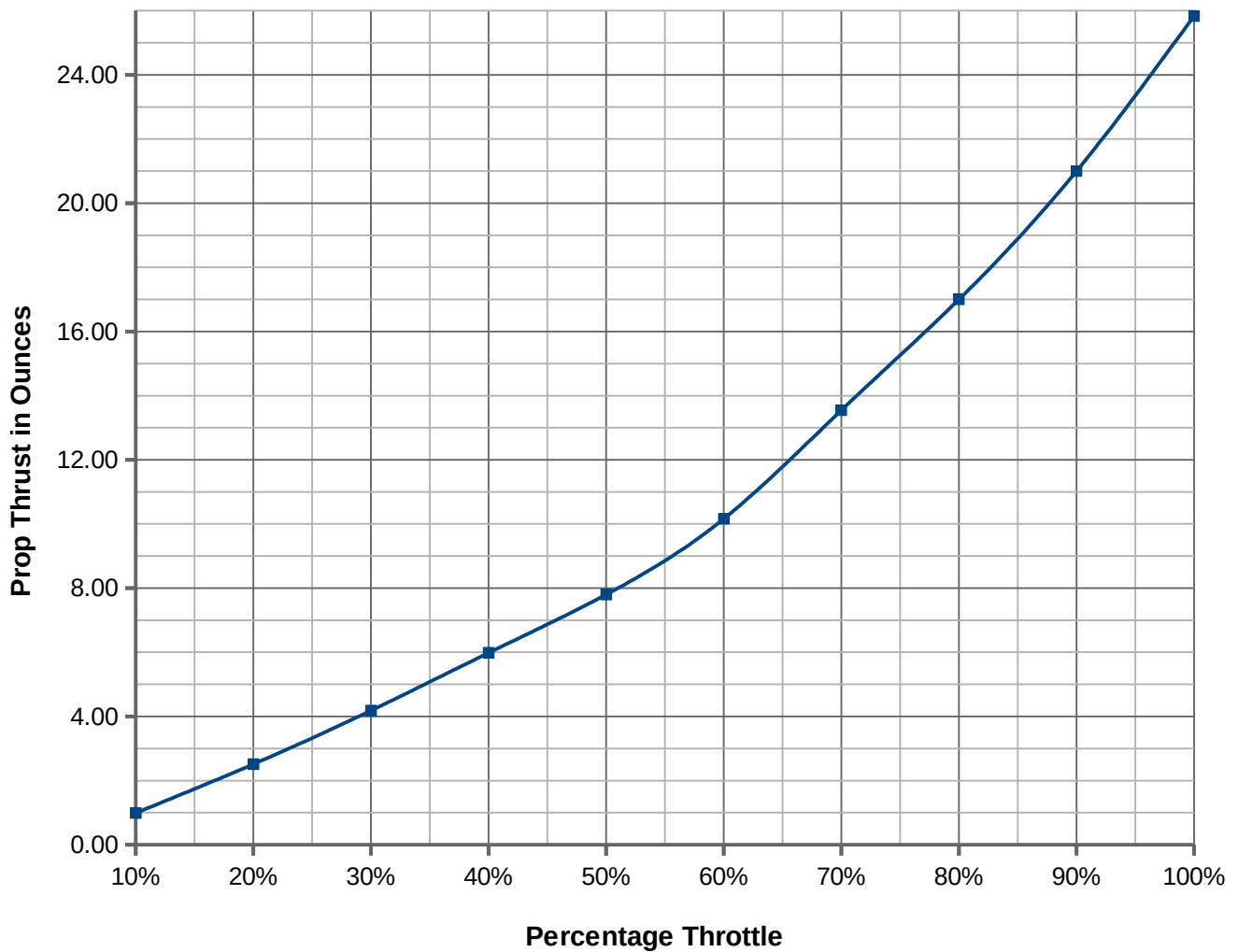
## Propeller RPM vs Throttle Position



# Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 11.1 volts with HQ 5x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.44	4.86	4,063	28.1	0.99	5.78
20%	1.07	11.91	6,355	71.3	2.51	5.99
30%	1.90	21.06	8,188	118.6	4.18	5.63
40%	2.89	32.11	9,690	169.6	5.98	5.28
50%	4.05	44.96	11,090	221.1	7.80	4.92
60%	5.73	63.61	12,650	288.0	10.16	4.53
70%	8.33	92.47	14,450	384.0	13.54	4.15
80%	11.38	126.32	16,255	481.9	17.00	3.81
90%	15.32	170.10	17,957	595.3	21.00	3.50
100%	20.79	230.80	19,940	732.4	25.83	3.17

## Propeller Thrust vs Throttle Position



# Cobra CM-2205-2300 Champion Motor Test Data

Data Collected at 11.1 volts with HQ 5x4.5-BN Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.44	4.86	4,063	28.1	0.99	5.78
20%	1.07	11.91	6,355	71.3	2.51	5.99
30%	1.90	21.06	8,188	118.6	4.18	5.63
40%	2.89	32.11	9,690	169.6	5.98	5.28
50%	4.05	44.96	11,090	221.1	7.80	4.92
60%	5.73	63.61	12,650	288.0	10.16	4.53
70%	8.33	92.47	14,450	384.0	13.54	4.15
80%	11.38	126.32	16,255	481.9	17.00	3.81
90%	15.32	170.10	17,957	595.3	21.00	3.50
100%	20.79	230.80	19,940	732.4	25.83	3.17

## Propeller Efficiency vs Throttle Position

