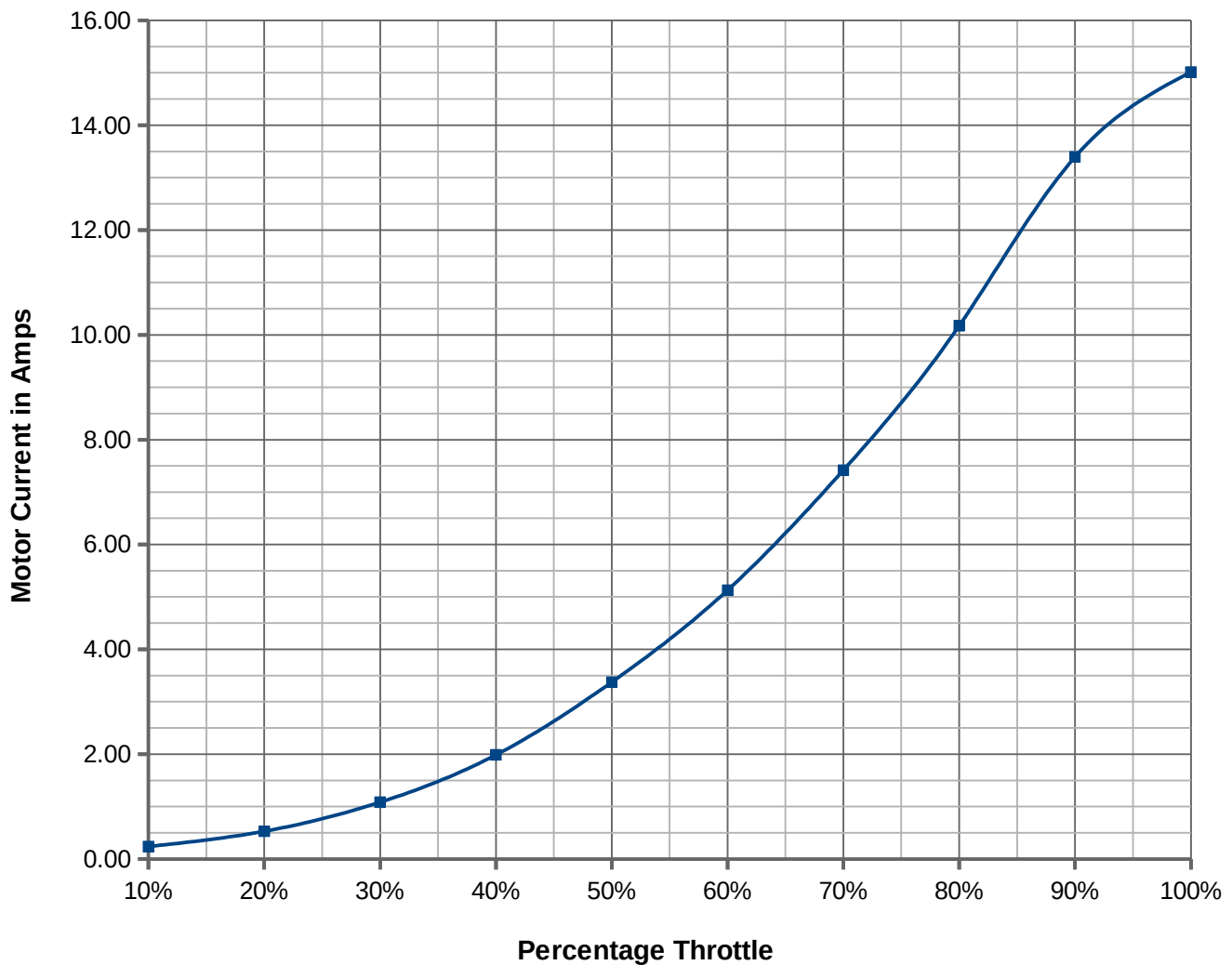


# Cobra CM-2206/30 Motor Test Data, Kv=1400

Data Collected at 11.1 volts with APC 8x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	2.63	2,016	26.4	0.93	10.04
20%	0.53	5.86	3,126	63.2	2.23	10.78
30%	1.08	12.02	4,206	119.7	4.22	9.96
40%	1.99	22.04	5,321	190.6	6.72	8.65
50%	3.37	37.44	6,383	281.7	9.93	7.52
60%	5.13	56.92	7,369	374.5	13.20	6.58
70%	7.42	82.34	8,269	486.0	17.13	5.90
80%	10.18	112.96	9,120	600.4	21.16	5.31
90%	13.40	148.71	9,849	711.4	25.07	4.78
100%	15.01	166.66	10,164	758.6	26.73	4.55

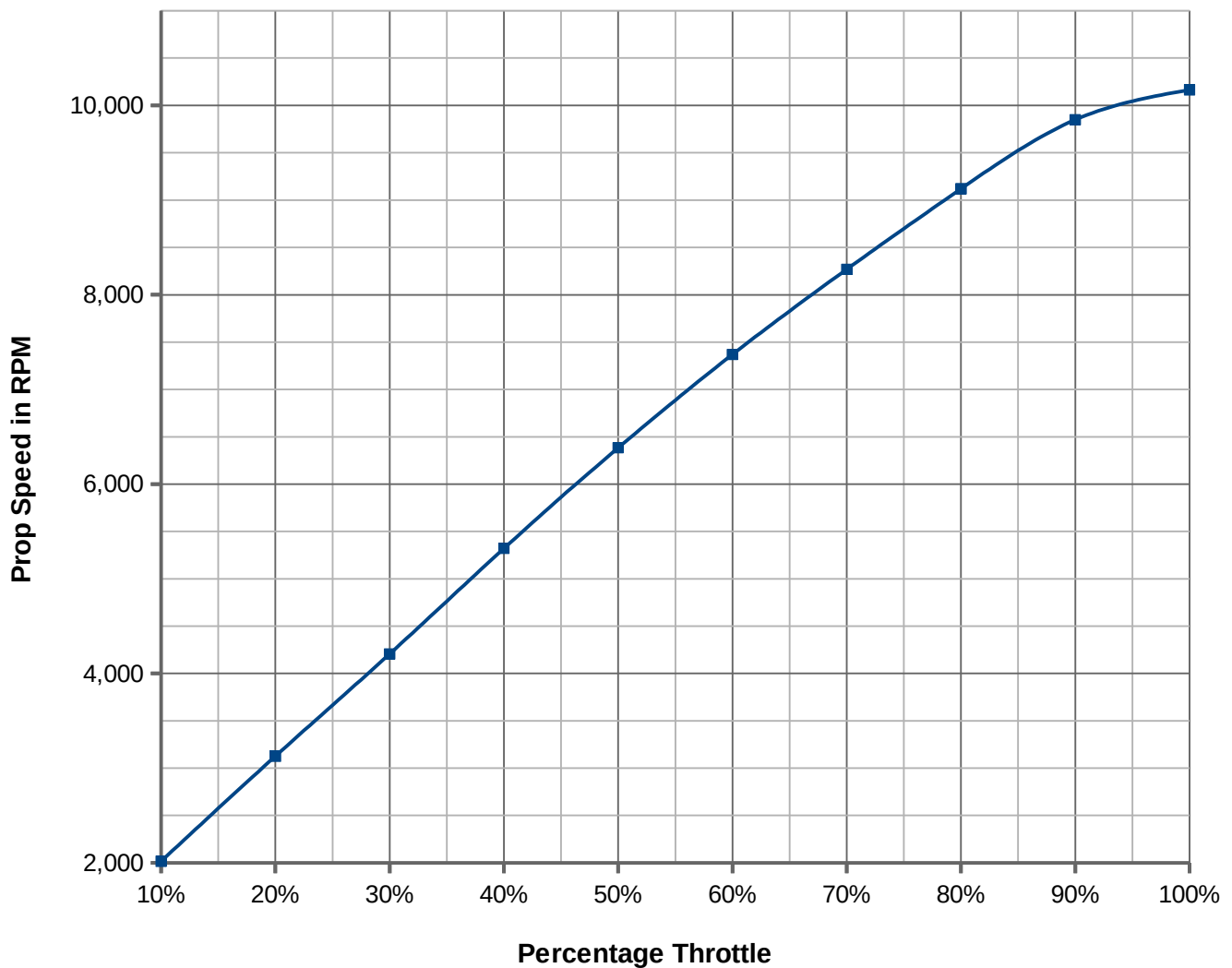
## Motor Current vs Throttle Position



## Cobra CM-2206/30 Motor Test Data, Kv=1400

Data Collected at 11.1 volts with APC 8x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	2.63	2,016	26.4	0.93	10.04
20%	0.53	5.86	3,126	63.2	2.23	10.78
30%	1.08	12.02	4,206	119.7	4.22	9.96
40%	1.99	22.04	5,321	190.6	6.72	8.65
50%	3.37	37.44	6,383	281.7	9.93	7.52
60%	5.13	56.92	7,369	374.5	13.20	6.58
70%	7.42	82.34	8,269	486.0	17.13	5.90
80%	10.18	112.96	9,120	600.4	21.16	5.31
90%	13.40	148.71	9,849	711.4	25.07	4.78
100%	15.01	166.66	10,164	758.6	26.73	4.55

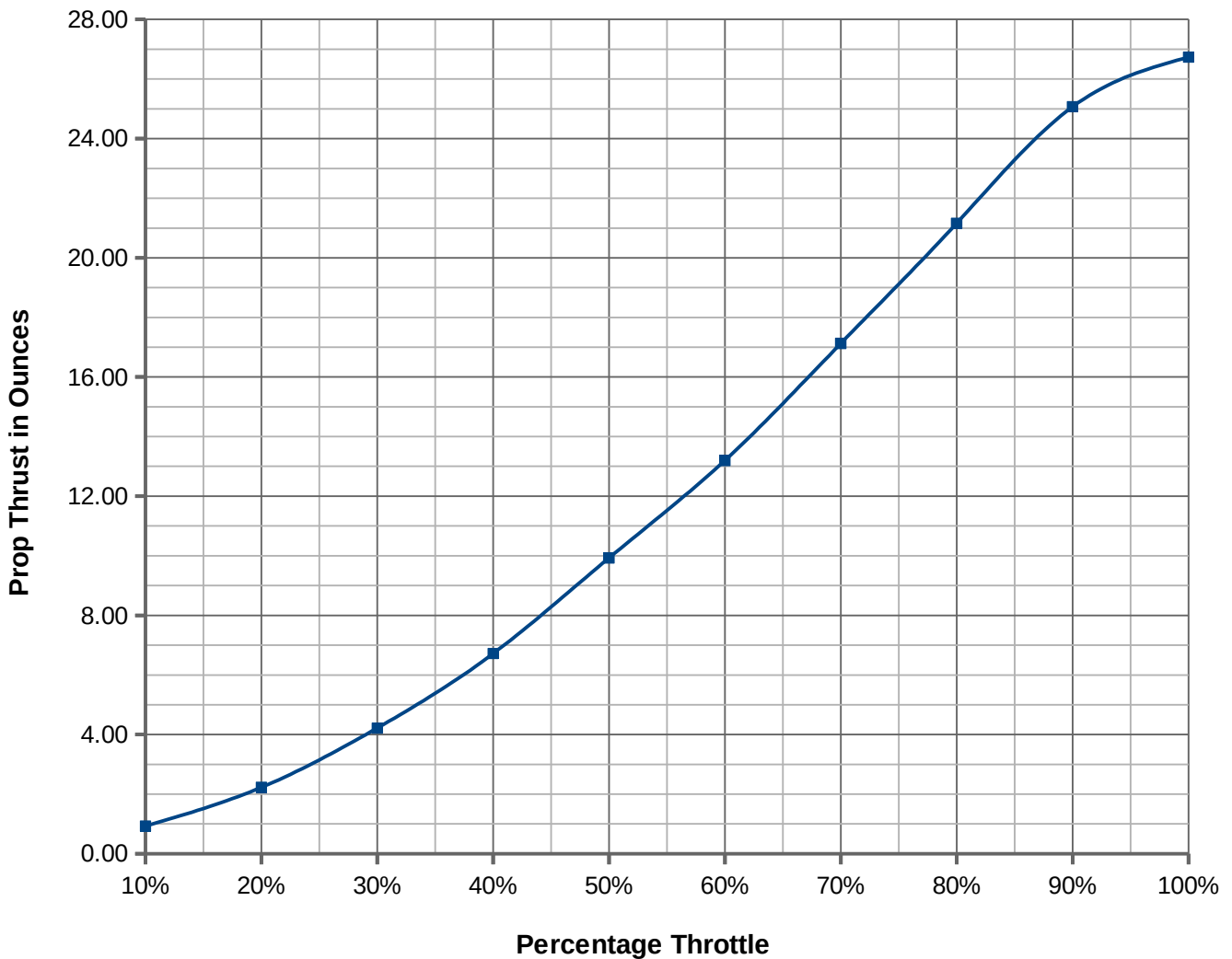
### Propeller RPM vs Throttle Position



# Cobra CM-2206/30 Motor Test Data, Kv=1400

Data Collected at 11.1 volts with APC 8x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	2.63	2,016	26.4	<b>0.93</b>	10.04
20%	0.53	5.86	3,126	63.2	<b>2.23</b>	10.78
30%	1.08	12.02	4,206	119.7	<b>4.22</b>	9.96
40%	1.99	22.04	5,321	190.6	<b>6.72</b>	8.65
50%	3.37	37.44	6,383	281.7	<b>9.93</b>	7.52
60%	5.13	56.92	7,369	374.5	<b>13.20</b>	6.58
70%	7.42	82.34	8,269	486.0	<b>17.13</b>	5.90
80%	10.18	112.96	9,120	600.4	<b>21.16</b>	5.31
90%	13.40	148.71	9,849	711.4	<b>25.07</b>	4.78
100%	15.01	166.66	10,164	758.6	<b>26.73</b>	4.55

## Propeller Thrust vs Throttle Position



## Cobra CM-2206/30 Motor Test Data, Kv=1400

Data Collected at 11.1 volts with APC 8x4.5-MR Prop						
Throttle Setting	Motor Amps	Input Watts	Prop RPM	Thrust (Grams)	Thrust (Ounces)	Efficiency Grams/W
10%	0.24	2.63	2,016	26.4	0.93	10.04
20%	0.53	5.86	3,126	63.2	2.23	10.78
30%	1.08	12.02	4,206	119.7	4.22	9.96
40%	1.99	22.04	5,321	190.6	6.72	8.65
50%	3.37	37.44	6,383	281.7	9.93	7.52
60%	5.13	56.92	7,369	374.5	13.20	6.58
70%	7.42	82.34	8,269	486.0	17.13	5.90
80%	10.18	112.96	9,120	600.4	21.16	5.31
90%	13.40	148.71	9,849	711.4	25.07	4.78
100%	15.01	166.66	10,164	758.6	26.73	4.55

### Propeller Efficiency vs Throttle Position

