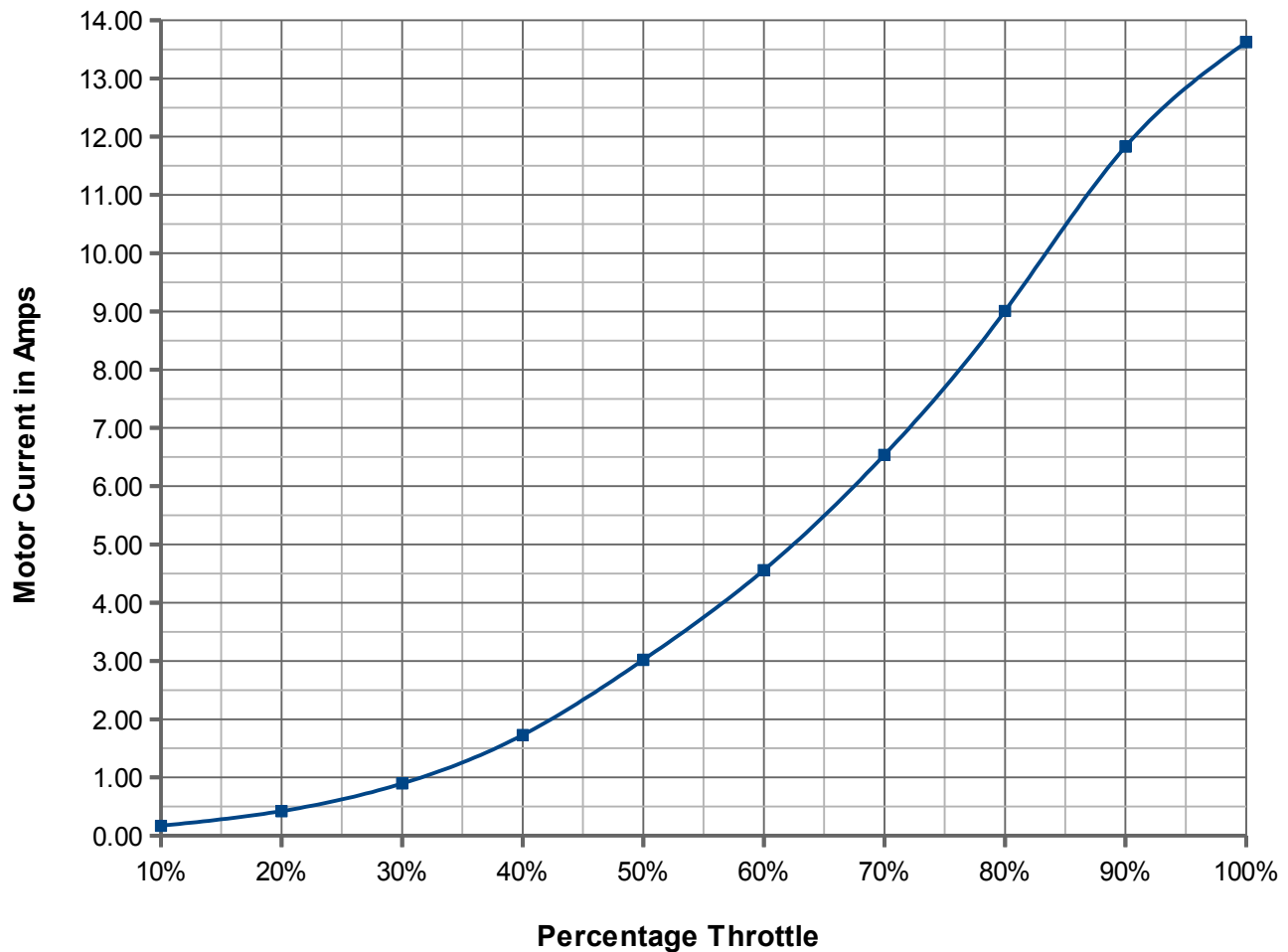


# Cobra CM-2213/26 Motor Test Data, Kv=950

| Data Collected at 11.1 volts with GemFan 10x4.5-MR Prop |            |             |          |                |                 |                    |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting  | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10%   | 0.17       | 1.89        | 1,234    | 27.9           | 0.98            | 14.79              |
| 20%   | 0.42       | 4.68        | 1,972    | 65.5           | 2.31            | 13.98              |
| 30%   | 0.90       | 9.93        | 2,713    | 127.8          | 4.50            | 12.86              |
| 40%   | 1.73       | 19.19       | 3,503    | 205.3          | 7.24            | 10.70              |
| 50%   | 3.02       | 33.50       | 4,265    | 311.9          | 10.99           | 9.31               |
| 60%   | 4.56       | 50.59       | 4,920    | 418.2          | 14.74           | 8.27               |
| 70%   | 6.54       | 72.56       | 5,528    | 537.0          | 18.93           | 7.40               |
| 80%   | 9.01       | 99.99       | 6,113    | 664.4          | 23.41           | 6.64               |
| 90%   | 11.83      | 131.34      | 6,636    | 788.0          | 27.77           | 6.00               |
| 100%  | 13.62      | 151.23      | 6,907    | 861.5          | 30.36           | 5.70               |

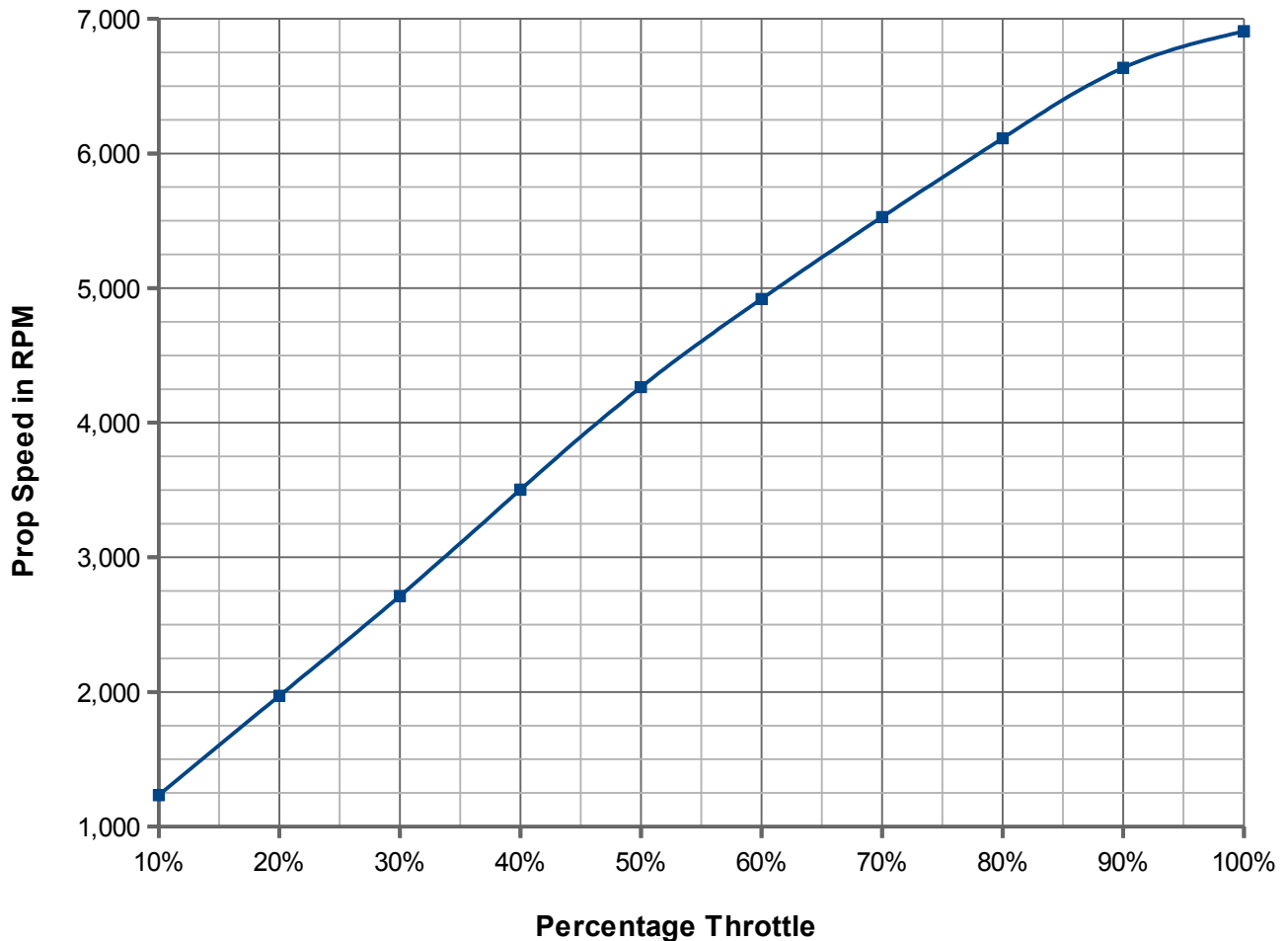
## Motor Current vs Throttle Position



# Cobra CM-2213/26 Motor Test Data, Kv=950

| Data Collected at 11.1 volts with GemFan 10x4.5-MR Prop |            |             |          |                |                 |                    |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting  | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10%   | 0.17       | 1.89        | 1,234    | 27.9           | 0.98            | 14.79              |
| 20%   | 0.42       | 4.68        | 1,972    | 65.5           | 2.31            | 13.98              |
| 30%   | 0.90       | 9.93        | 2,713    | 127.8          | 4.50            | 12.86              |
| 40%   | 1.73       | 19.19       | 3,503    | 205.3          | 7.24            | 10.70              |
| 50%   | 3.02       | 33.50       | 4,265    | 311.9          | 10.99           | 9.31               |
| 60%   | 4.56       | 50.59       | 4,920    | 418.2          | 14.74           | 8.27               |
| 70%   | 6.54       | 72.56       | 5,528    | 537.0          | 18.93           | 7.40               |
| 80%   | 9.01       | 99.99       | 6,113    | 664.4          | 23.41           | 6.64               |
| 90%   | 11.83      | 131.34      | 6,636    | 788.0          | 27.77           | 6.00               |
| 100%  | 13.62      | 151.23      | 6,907    | 861.5          | 30.36           | 5.70               |

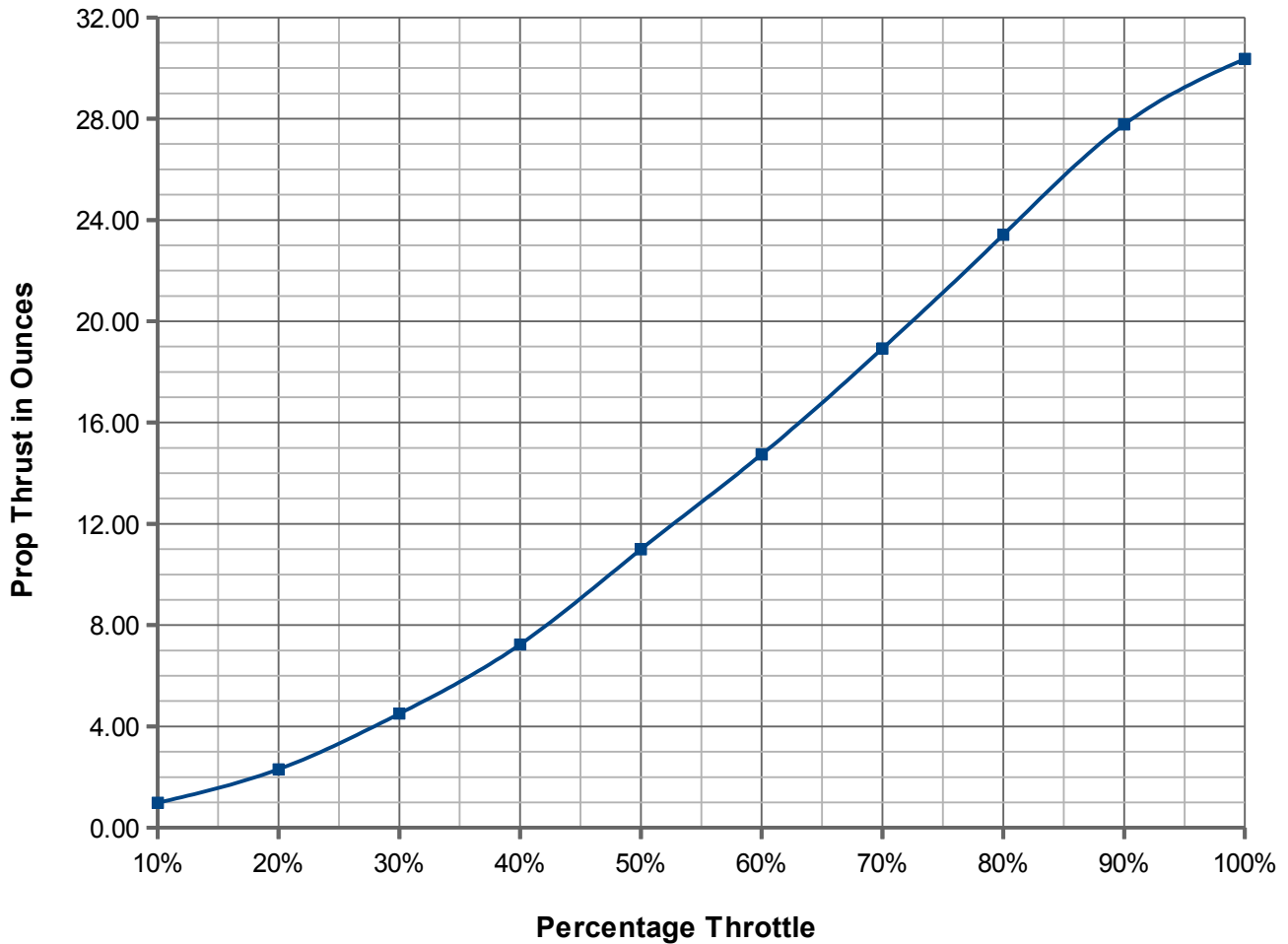
## Propeller RPM vs Throttle Position



# Cobra CM-2213/26 Motor Test Data, Kv=950

| Data Collected at 11.1 volts with GemFan 10x4.5-MR Prop |            |             |          |                |                 |                    |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting  | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10%   | 0.17       | 1.89        | 1,234    | 27.9           | <b>0.98</b>     | 14.79              |
| 20%   | 0.42       | 4.68        | 1,972    | 65.5           | <b>2.31</b>     | 13.98              |
| 30%   | 0.90       | 9.93        | 2,713    | 127.8          | <b>4.50</b>     | 12.86              |
| 40%   | 1.73       | 19.19       | 3,503    | 205.3          | <b>7.24</b>     | 10.70              |
| 50%   | 3.02       | 33.50       | 4,265    | 311.9          | <b>10.99</b>    | 9.31               |
| 60%   | 4.56       | 50.59       | 4,920    | 418.2          | <b>14.74</b>    | 8.27               |
| 70%   | 6.54       | 72.56       | 5,528    | 537.0          | <b>18.93</b>    | 7.40               |
| 80%   | 9.01       | 99.99       | 6,113    | 664.4          | <b>23.41</b>    | 6.64               |
| 90%   | 11.83      | 131.34      | 6,636    | 788.0          | <b>27.77</b>    | 6.00               |
| 100%  | 13.62      | 151.23      | 6,907    | 861.5          | <b>30.36</b>    | 5.70               |

## Propeller Thrust vs Throttle Position



# Cobra CM-2213/26 Motor Test Data, Kv=950

| Data Collected at 11.1 volts with GemFan 10x4.5-MR Prop |            |             |          |                |                 |                    |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting  | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10%   | 0.17       | 1.89        | 1,234    | 27.9           | 0.98            | 14.79              |
| 20%   | 0.42       | 4.68        | 1,972    | 65.5           | 2.31            | 13.98              |
| 30%   | 0.90       | 9.93        | 2,713    | 127.8          | 4.50            | 12.86              |
| 40%   | 1.73       | 19.19       | 3,503    | 205.3          | 7.24            | 10.70              |
| 50%   | 3.02       | 33.50       | 4,265    | 311.9          | 10.99           | 9.31               |
| 60%   | 4.56       | 50.59       | 4,920    | 418.2          | 14.74           | 8.27               |
| 70%   | 6.54       | 72.56       | 5,528    | 537.0          | 18.93           | 7.40               |
| 80%   | 9.01       | 99.99       | 6,113    | 664.4          | 23.41           | 6.64               |
| 90%   | 11.83      | 131.34      | 6,636    | 788.0          | 27.77           | 6.00               |
| 100%  | 13.62      | 151.23      | 6,907    | 861.5          | 30.36           | 5.70               |

## Propeller Efficiency vs Throttle Position

