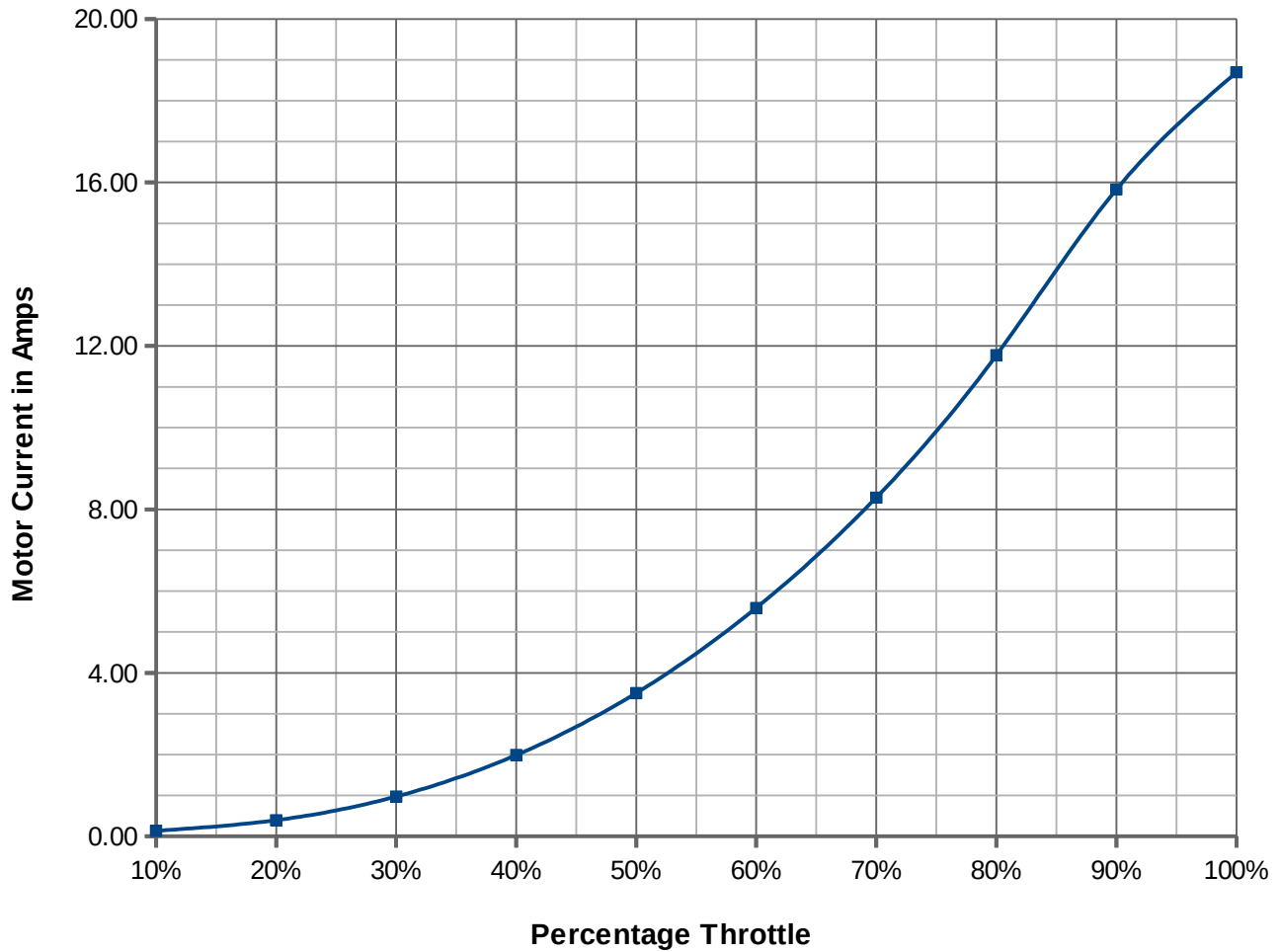


# Cobra CM-3515-34 Motor Test Data, Kv=385

| Data Collected at 22.2 volts with RC-Timer 14x5.5 CF Prop |            |             |          |                |                 |                    |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting  | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10%   | 0.13       | 2.97        | 931      | 42.5           | 1.50            | 14.29              |
| 20%   | 0.39       | 8.75        | 1,647    | 132.3          | 4.66            | 15.13              |
| 30%   | 0.97       | 21.58       | 2,369    | 276.8          | 9.76            | 12.83              |
| 40%   | 1.99       | 44.13       | 3,042    | 478.7          | 16.87           | 10.85              |
| 50%   | 3.51       | 77.81       | 3,669    | 716.8          | 25.26           | 9.21               |
| 60%   | 5.59       | 124.08      | 4,254    | 988.1          | 34.82           | 7.96               |
| 70%   | 8.29       | 184.02      | 4,799    | 1282.8         | 45.21           | 6.97               |
| 80%   | 11.77      | 261.34      | 5,309    | 1607.2         | 56.64           | 6.15               |
| 90%   | 15.83      | 351.40      | 5,790    | 1909.1         | 67.28           | 5.43               |
| 100%  | 18.70      | 415.07      | 6,026    | 2117.2         | 74.61           | 5.10               |

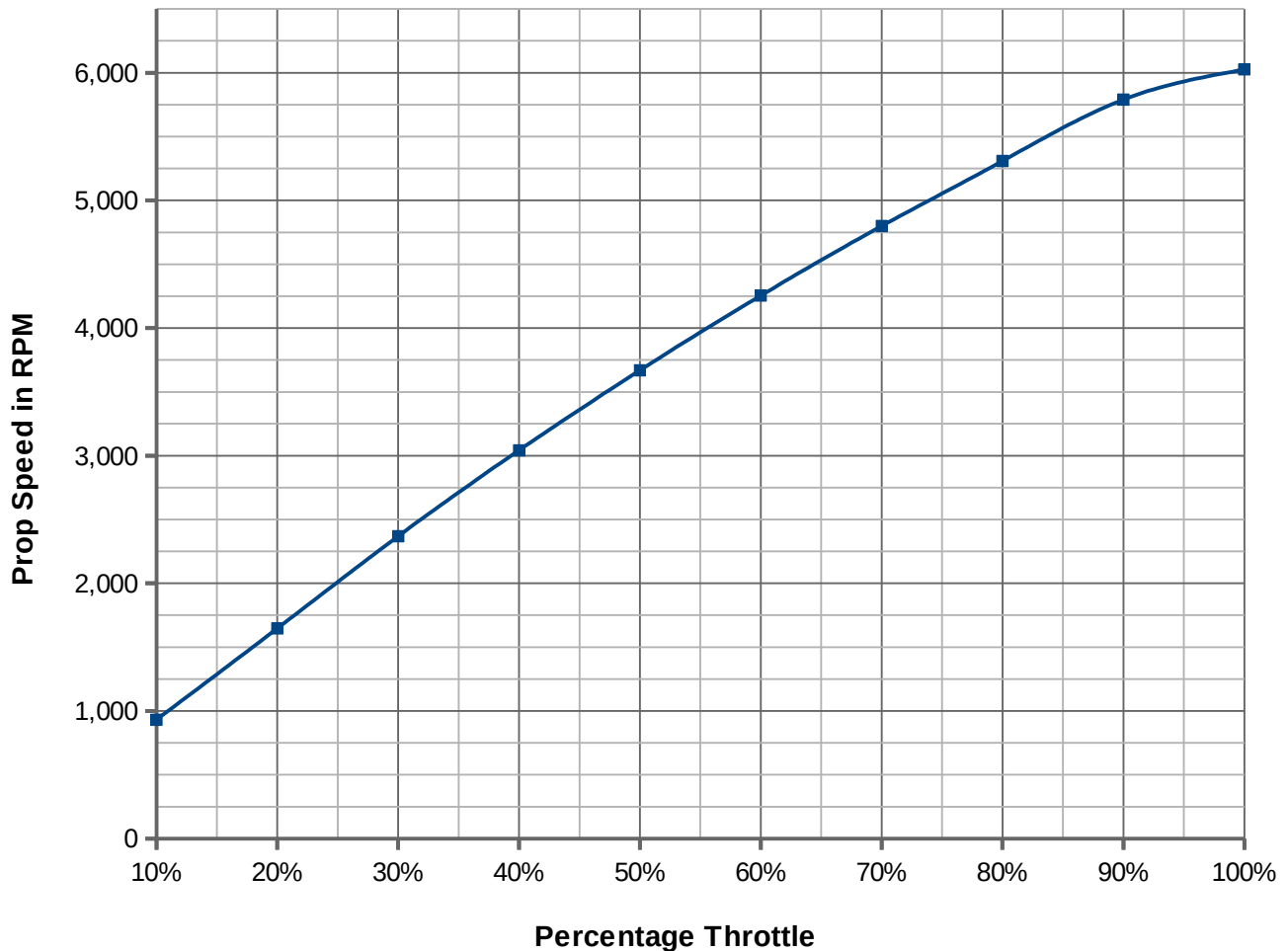
## Motor Current vs Throttle Position



# Cobra CM-3515-34 Motor Test Data, Kv=385

| Data Collected at 22.2 volts with RC-Timer 14x5.5 CF Prop |            |             |          |                |                 |                    |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting  | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10%   | 0.13       | 2.97        | 931      | 42.5           | 1.50            | 14.29              |
| 20%   | 0.39       | 8.75        | 1,647    | 132.3          | 4.66            | 15.13              |
| 30%   | 0.97       | 21.58       | 2,369    | 276.8          | 9.76            | 12.83              |
| 40%   | 1.99       | 44.13       | 3,042    | 478.7          | 16.87           | 10.85              |
| 50%   | 3.51       | 77.81       | 3,669    | 716.8          | 25.26           | 9.21               |
| 60%   | 5.59       | 124.08      | 4,254    | 988.1          | 34.82           | 7.96               |
| 70%   | 8.29       | 184.02      | 4,799    | 1282.8         | 45.21           | 6.97               |
| 80%   | 11.77      | 261.34      | 5,309    | 1607.2         | 56.64           | 6.15               |
| 90%   | 15.83      | 351.40      | 5,790    | 1909.1         | 67.28           | 5.43               |
| 100%  | 18.70      | 415.07      | 6,026    | 2117.2         | 74.61           | 5.10               |

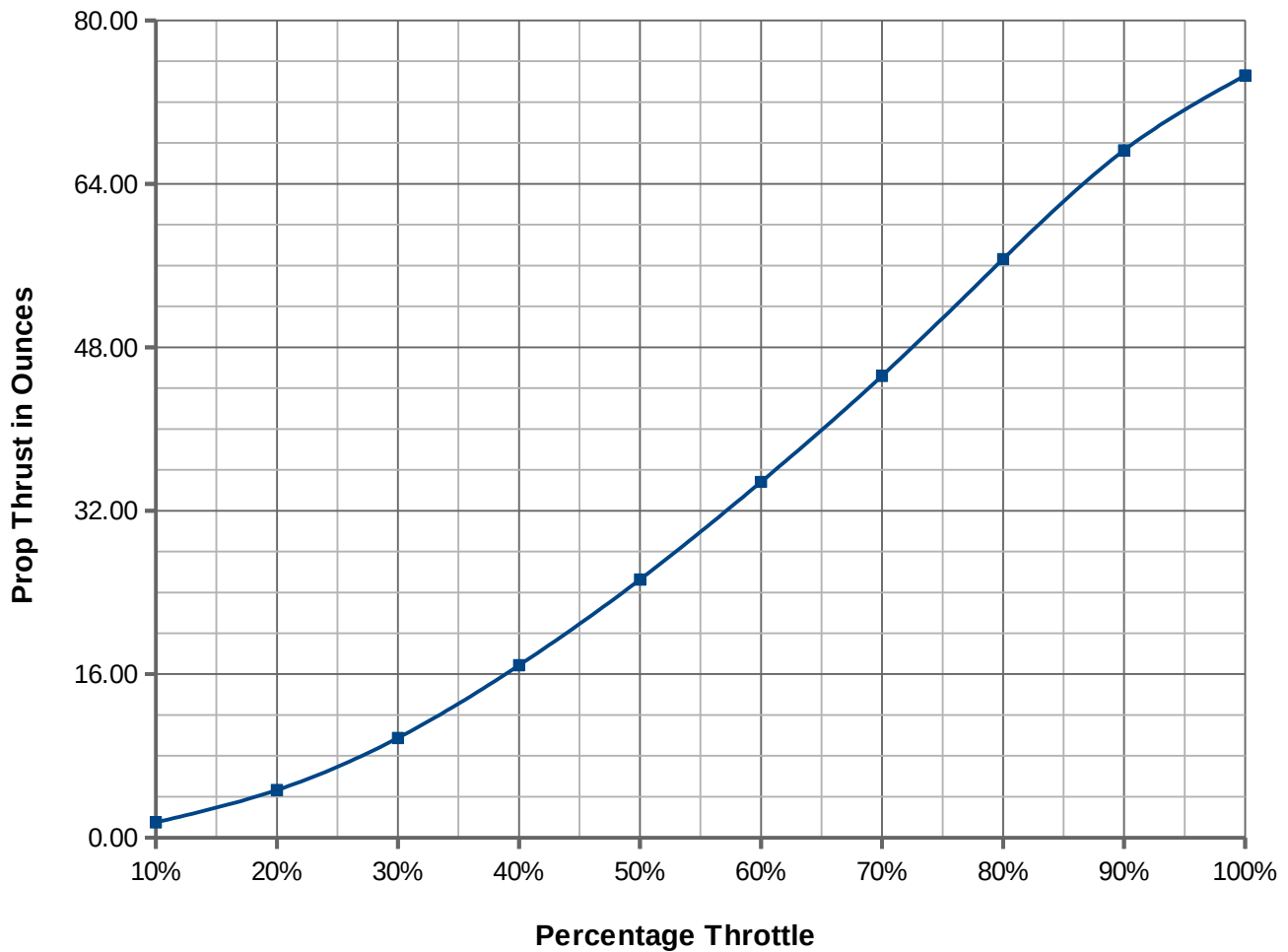
## Propeller RPM vs Throttle Position



# Cobra CM-3515-34 Motor Test Data, Kv=385

| Data Collected at 22.2 volts with RC-Timer 14x5.5 CF Prop |            |             |          |                |                 |                    |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting  | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10%   | 0.13       | 2.97        | 931      | 42.5           | 1.50            | 14.29              |
| 20%   | 0.39       | 8.75        | 1,647    | 132.3          | 4.66            | 15.13              |
| 30%   | 0.97       | 21.58       | 2,369    | 276.8          | 9.76            | 12.83              |
| 40%   | 1.99       | 44.13       | 3,042    | 478.7          | 16.87           | 10.85              |
| 50%   | 3.51       | 77.81       | 3,669    | 716.8          | 25.26           | 9.21               |
| 60%   | 5.59       | 124.08      | 4,254    | 988.1          | 34.82           | 7.96               |
| 70%   | 8.29       | 184.02      | 4,799    | 1282.8         | 45.21           | 6.97               |
| 80%   | 11.77      | 261.34      | 5,309    | 1607.2         | 56.64           | 6.15               |
| 90%   | 15.83      | 351.40      | 5,790    | 1909.1         | 67.28           | 5.43               |
| 100%  | 18.70      | 415.07      | 6,026    | 2117.2         | 74.61           | 5.10               |

## Propeller Thrust vs Throttle Position



## Cobra CM-3515-34 Motor Test Data, Kv=385

| Data Collected at 22.2 volts with RC-Timer 14x5.5 CF Prop |            |             |          |                |                 |                    |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting  | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10%   | 0.13       | 2.97        | 931      | 42.5           | 1.50            | 14.29              |
| 20%   | 0.39       | 8.75        | 1,647    | 132.3          | 4.66            | 15.13              |
| 30%   | 0.97       | 21.58       | 2,369    | 276.8          | 9.76            | 12.83              |
| 40%   | 1.99       | 44.13       | 3,042    | 478.7          | 16.87           | 10.85              |
| 50%   | 3.51       | 77.81       | 3,669    | 716.8          | 25.26           | 9.21               |
| 60%   | 5.59       | 124.08      | 4,254    | 988.1          | 34.82           | 7.96               |
| 70%   | 8.29       | 184.02      | 4,799    | 1282.8         | 45.21           | 6.97               |
| 80%   | 11.77      | 261.34      | 5,309    | 1607.2         | 56.64           | 6.15               |
| 90%   | 15.83      | 351.40      | 5,790    | 1909.1         | 67.28           | 5.43               |
| 100%  | 18.70      | 415.07      | 6,026    | 2117.2         | 74.61           | 5.10               |

### Propeller Efficiency vs Throttle Position

