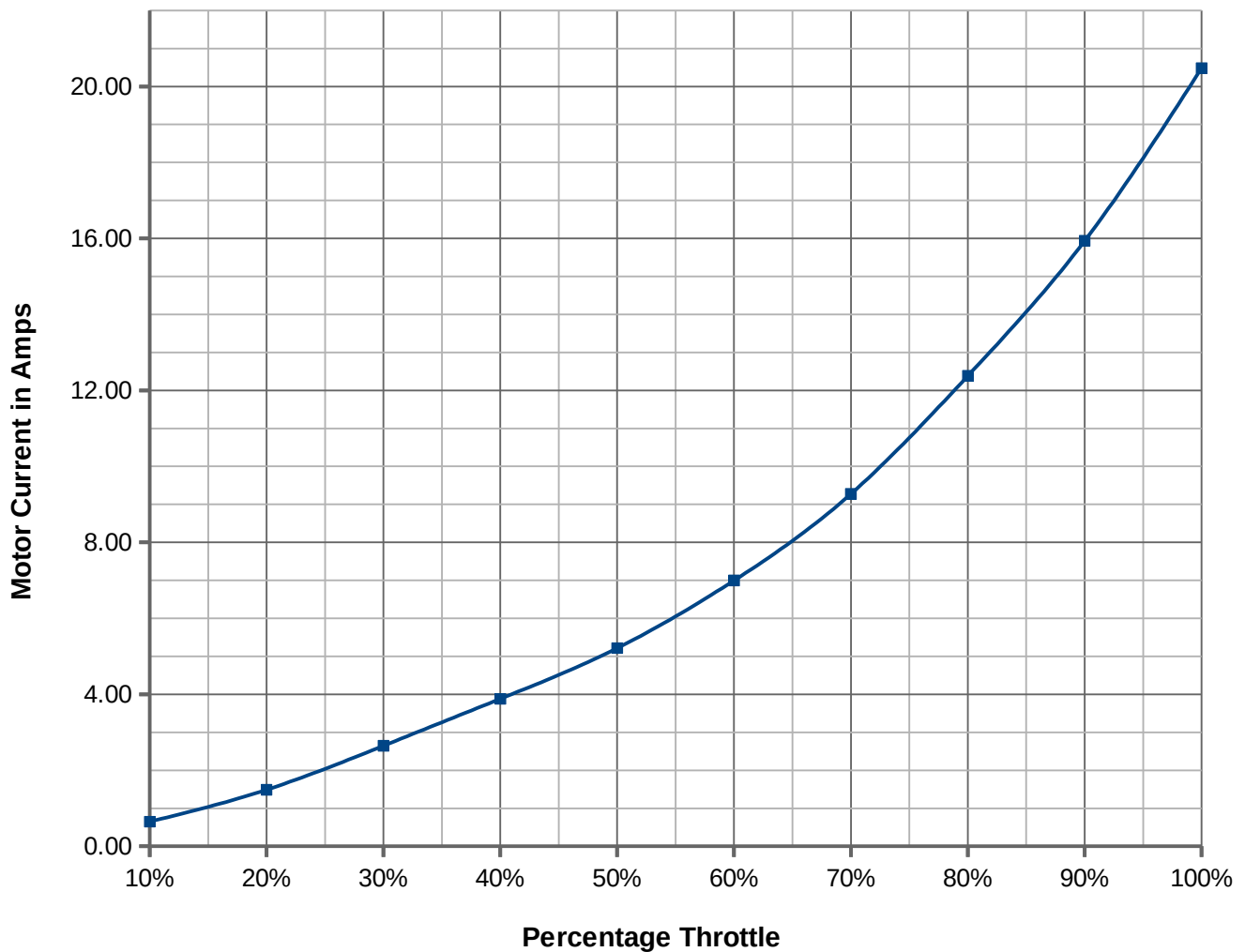


Cobra CM-2204-22 Motor Test Data, Kv=2850

| Data Collected at 14.8 volts with HQ 4x4 Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.65 | 9.59 | 7,363 | 41.0 | 1.45 | 4.28 |
| 20% | 1.49 | 22.02 | 11,078 | 90.6 | 3.20 | 4.11 |
| 30% | 2.65 | 39.16 | 14,180 | 148.2 | 5.23 | 3.78 |
| 40% | 3.88 | 57.44 | 16,625 | 206.6 | 7.29 | 3.60 |
| 50% | 5.22 | 77.20 | 18,895 | 261.9 | 9.24 | 3.39 |
| 60% | 7.00 | 103.53 | 21,361 | 333.9 | 11.78 | 3.23 |
| 70% | 9.27 | 137.26 | 24,118 | 419.1 | 14.78 | 3.05 |
| 80% | 12.38 | 183.28 | 27,008 | 525.2 | 18.53 | 2.87 |
| 90% | 15.94 | 235.87 | 29,857 | 629.6 | 22.21 | 2.67 |
| 100% | 20.48 | 303.16 | 33,242 | 764.0 | 26.95 | 2.52 |

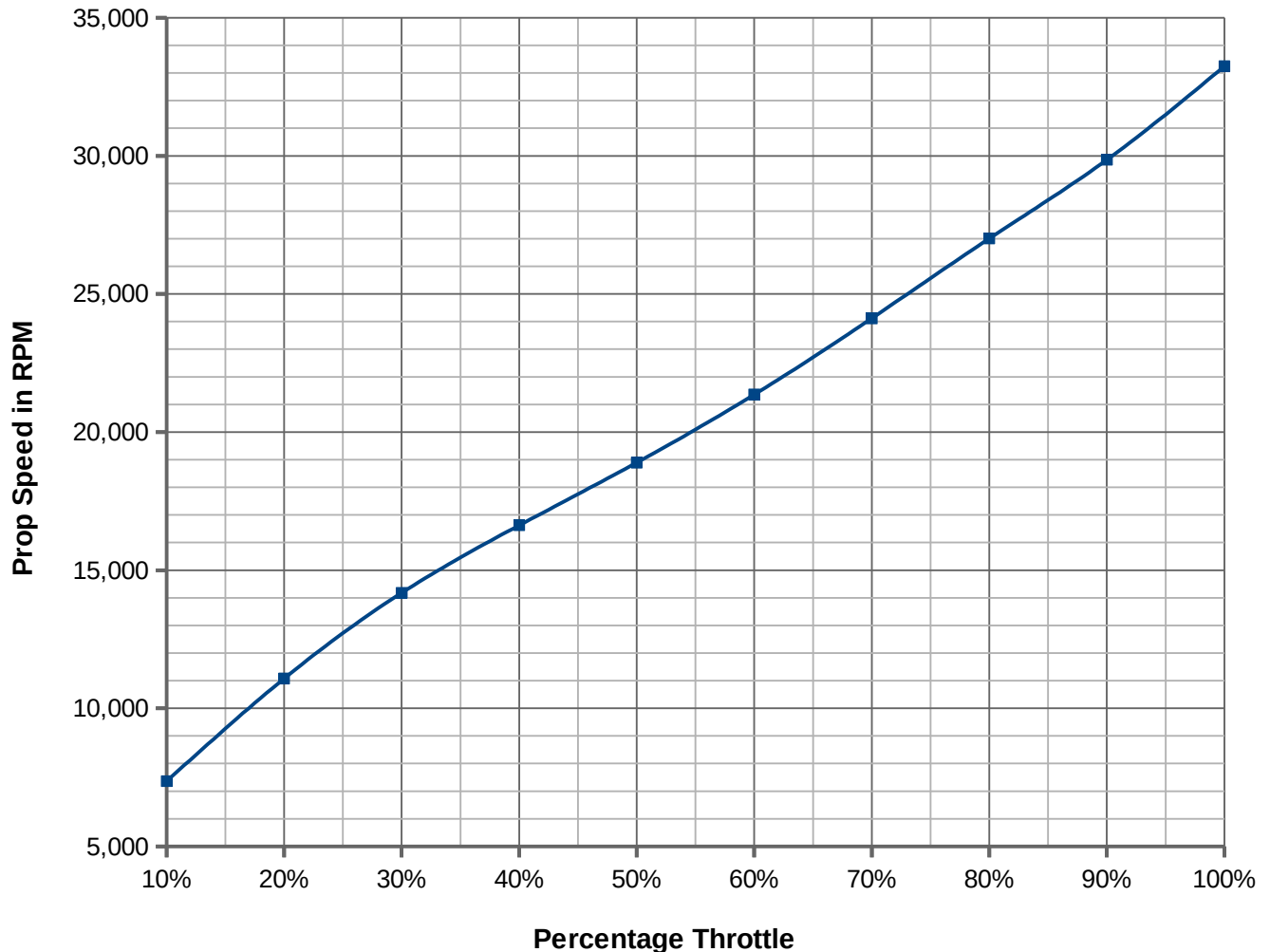
Motor Current vs Throttle Position



Cobra CM-2204-22 Motor Test Data, Kv=2850

| Data Collected at 14.8 volts with HQ 4x4 Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.65 | 9.59 | 7,363 | 41.0 | 1.45 | 4.28 |
| 20% | 1.49 | 22.02 | 11,078 | 90.6 | 3.20 | 4.11 |
| 30% | 2.65 | 39.16 | 14,180 | 148.2 | 5.23 | 3.78 |
| 40% | 3.88 | 57.44 | 16,625 | 206.6 | 7.29 | 3.60 |
| 50% | 5.22 | 77.20 | 18,895 | 261.9 | 9.24 | 3.39 |
| 60% | 7.00 | 103.53 | 21,361 | 333.9 | 11.78 | 3.23 |
| 70% | 9.27 | 137.26 | 24,118 | 419.1 | 14.78 | 3.05 |
| 80% | 12.38 | 183.28 | 27,008 | 525.2 | 18.53 | 2.87 |
| 90% | 15.94 | 235.87 | 29,857 | 629.6 | 22.21 | 2.67 |
| 100% | 20.48 | 303.16 | 33,242 | 764.0 | 26.95 | 2.52 |

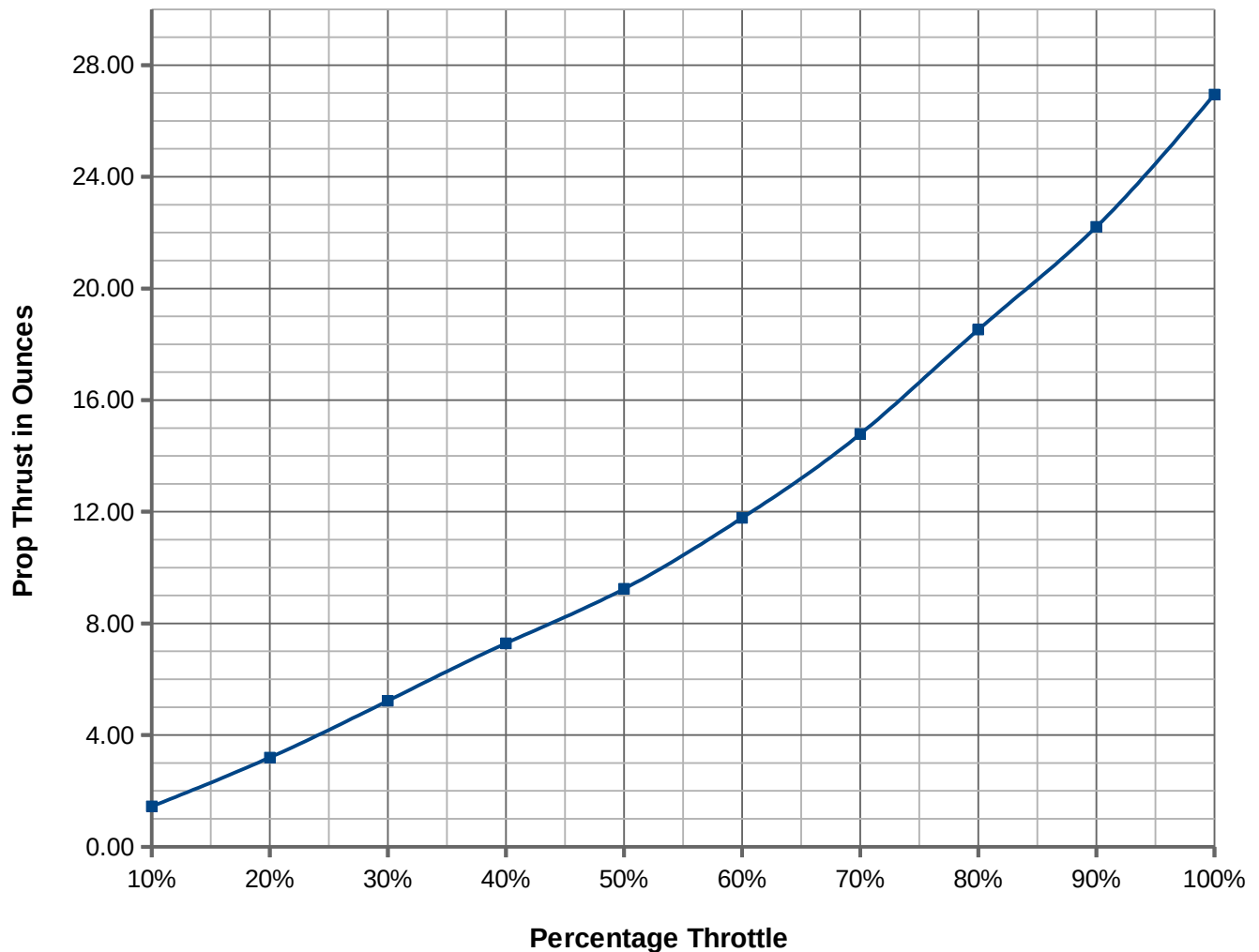
Propeller RPM vs Throttle Position



Cobra CM-2204-22 Motor Test Data, Kv=2850

| Data Collected at 14.8 volts with HQ 4x4 Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.65 | 9.59 | 7,363 | 41.0 | 1.45 | 4.28 |
| 20% | 1.49 | 22.02 | 11,078 | 90.6 | 3.20 | 4.11 |
| 30% | 2.65 | 39.16 | 14,180 | 148.2 | 5.23 | 3.78 |
| 40% | 3.88 | 57.44 | 16,625 | 206.6 | 7.29 | 3.60 |
| 50% | 5.22 | 77.20 | 18,895 | 261.9 | 9.24 | 3.39 |
| 60% | 7.00 | 103.53 | 21,361 | 333.9 | 11.78 | 3.23 |
| 70% | 9.27 | 137.26 | 24,118 | 419.1 | 14.78 | 3.05 |
| 80% | 12.38 | 183.28 | 27,008 | 525.2 | 18.53 | 2.87 |
| 90% | 15.94 | 235.87 | 29,857 | 629.6 | 22.21 | 2.67 |
| 100% | 20.48 | 303.16 | 33,242 | 764.0 | 26.95 | 2.52 |

Propeller Thrust vs Throttle Position



Cobra CM-2204-22 Motor Test Data, Kv=2850

| Data Collected at 14.8 volts with HQ 4x4 Prop | | | | | | |
|---|------------|-------------|----------|----------------|-----------------|--------------------|
| Throttle Setting | Motor Amps | Input Watts | Prop RPM | Thrust (Grams) | Thrust (Ounces) | Efficiency Grams/W |
| 10% | 0.65 | 9.59 | 7,363 | 41.0 | 1.45 | 4.28 |
| 20% | 1.49 | 22.02 | 11,078 | 90.6 | 3.20 | 4.11 |
| 30% | 2.65 | 39.16 | 14,180 | 148.2 | 5.23 | 3.78 |
| 40% | 3.88 | 57.44 | 16,625 | 206.6 | 7.29 | 3.60 |
| 50% | 5.22 | 77.20 | 18,895 | 261.9 | 9.24 | 3.39 |
| 60% | 7.00 | 103.53 | 21,361 | 333.9 | 11.78 | 3.23 |
| 70% | 9.27 | 137.26 | 24,118 | 419.1 | 14.78 | 3.05 |
| 80% | 12.38 | 183.28 | 27,008 | 525.2 | 18.53 | 2.87 |
| 90% | 15.94 | 235.87 | 29,857 | 629.6 | 22.21 | 2.67 |
| 100% | 20.48 | 303.16 | 33,242 | 764.0 | 26.95 | 2.52 |

Propeller Efficiency vs Throttle Position

