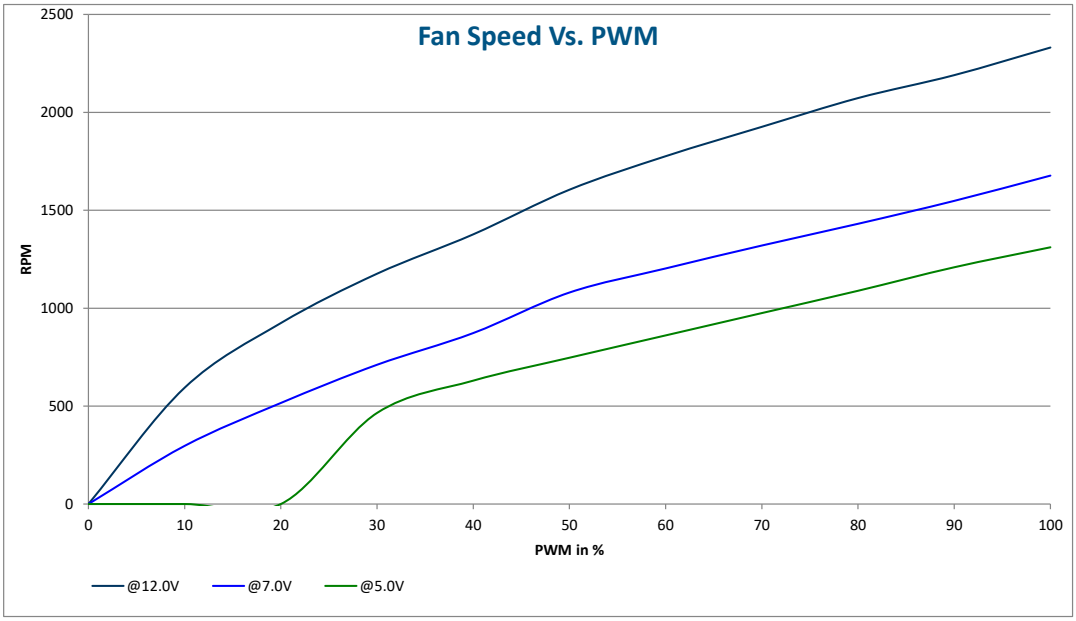
# Fan PWM Curve Test

**Date of Test :** 2024-12-17
**Tester Name :** Thomas Ting
**Tested Fan :** P10 PWM CO
**Remarks :**
Mounted on Freezer 8 heatsink

**Measurement Interval :** 20
**Number of points :** 11




## @12.0V

| PWM in % | RPM | Voltage in V | Current in A | Power in W |
|---|---|---|---|---|
| 0 | 0 | 12 | 0 | 0 |
| 10 | 594 | 12 | 0.016 | 0.192 |
| 20 | 924 | 12 | 0.022 | 0.264 |
| 30 | 1176 | 12 | 0.027 | 0.324 |
| 40 | 1377 | 12 | 0.037 | 0.444 |
| 50 | 1605 | 12 | 0.051 | 0.612 |
| 60 | 1776 | 11.99 | 0.065 | 0.77935 |
| 70 | 1926 | 12 | 0.078 | 0.936 |
| 80 | 2073 | 12 | 0.096 | 1.152 |
| 90 | 2190 | 12 | 0.117 | 1.404 |
| 100 | 2331 | 12 | 0.141 | 1.692 |

## @7.0V

| PWM in % | RPM | Voltage in V | Current in A | Power in W |
|---|---|---|---|---|
| 0 | 0 | 6.99 | 0 | 0 |
| 10 | 297 | 6.99 | 0.003 | 0.02097 |
| 20 | 516 | 6.99 | 0.018 | 0.12582 |
| 30 | 711 | 6.99 | 0.021 | 0.14679 |
| 40 | 873 | 6.99 | 0.025 | 0.17475 |
| 50 | 1080 | 6.99 | 0.032 | 0.22368 |
| 60 | 1203 | 6.99 | 0.038 | 0.26562 |
| 70 | 1320 | 6.99 | 0.047 | 0.32853 |
| 80 | 1431 | 7 | 0.056 | 0.392 |
| 90 | 1548 | 6.99 | 0.067 | 0.46833 |
| 100 | 1677 | 6.99 | 0.082 | 0.57318 |

## @5.0V

| PWM in % | RPM | Voltage in V | Current in A | Power in W |
|---|---|---|---|---|
| 0 | 0 | 5 | 0 | 0 |
| 10 | 0 | 5 | 0 | 0 |
| 20 | 0 | 5 | 0 | 0 |
| 30 | 465 | 5 | 0.017 | 0.085 |
| 40 | 630 | 5 | 0.021 | 0.105 |
| 50 | 747 | 5 | 0.024 | 0.12 |
| 60 | 861 | 5 | 0.028 | 0.14 |
| 70 | 975 | 5 | 0.032 | 0.16 |
| 80 | 1089 | 5 | 0.039 | 0.195 |
| 90 | 1209 | 5 | 0.048 | 0.24 |
| 100 | 1311 | 5 | 0.058 | 0.29 |