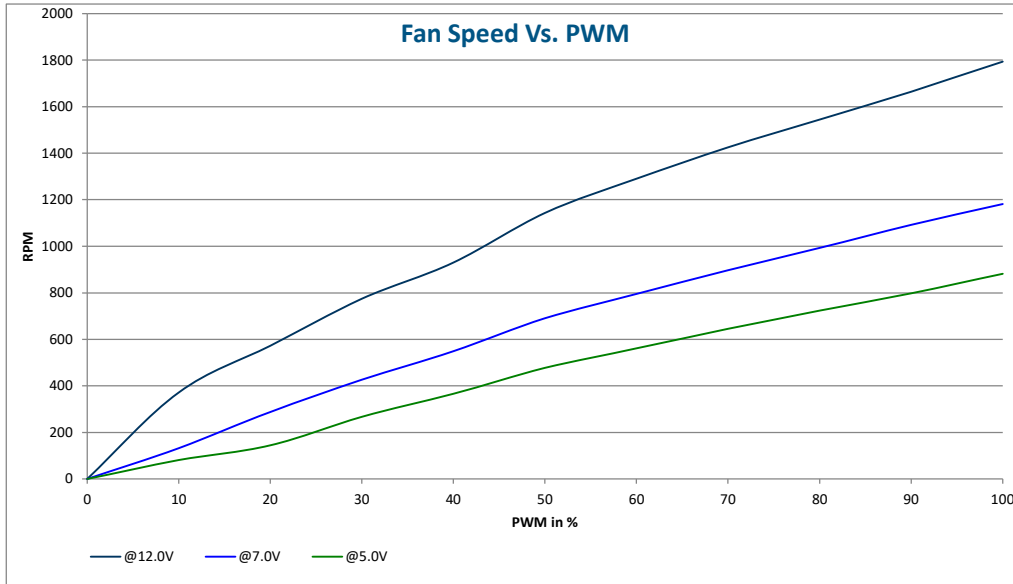


Fan PWM Curve Test

Date of Test : 2023-12-28 **Measurement Interval :** 20
Tester Name : Thomas Ting **Number of points :** 11
Tested Fan : Freezer 36
Remarks : Both fans installed on heatsink



@12.0V

| PWM in % | RPM | Voltage in V | Current in A | Power in W |
|----------|------|--------------|--------------|------------|
| 0 | 0 | 12 | 0.016 | 0.192 |
| 10 | 372 | 12 | 0.026 | 0.312 |
| 20 | 573 | 12 | 0.033 | 0.396 |
| 30 | 774 | 12 | 0.043 | 0.516 |
| 40 | 930 | 12.01 | 0.054 | 0.64854 |
| 50 | 1143 | 12 | 0.075 | 0.9 |
| 60 | 1290 | 12 | 0.093 | 1.116 |
| 70 | 1425 | 12 | 0.116 | 1.392 |
| 80 | 1545 | 12 | 0.138 | 1.656 |
| 90 | 1665 | 12 | 0.169 | 2.028 |
| 100 | 1794 | 12 | 0.202 | 2.424 |

@7.0V

| PWM in % | RPM | Voltage in V | Current in A | Power in W |
|----------|------|--------------|--------------|------------|
| 0 | 0 | 6.99 | 0.006 | 0.04194 |
| 10 | 132 | 6.99 | 0.023 | 0.16077 |
| 20 | 288 | 6.99 | 0.026 | 0.18174 |
| 30 | 426 | 6.99 | 0.032 | 0.22368 |
| 40 | 549 | 6.99 | 0.039 | 0.27261 |
| 50 | 690 | 6.99 | 0.048 | 0.33552 |
| 60 | 795 | 6.99 | 0.059 | 0.41241 |
| 70 | 897 | 6.99 | 0.072 | 0.50328 |
| 80 | 993 | 6.99 | 0.085 | 0.59415 |
| 90 | 1092 | 6.99 | 0.101 | 0.70599 |
| 100 | 1182 | 6.99 | 0.116 | 0.81084 |

@5.0V

| PWM in % | RPM | Voltage in V | Current in A | Power in W |
|----------|-----|--------------|--------------|------------|
| 0 | 0 | 5 | 0 | 0 |
| 10 | 81 | 5 | 0.044 | 0.22 |
| 20 | 144 | 5 | 0.022 | 0.11 |
| 30 | 267 | 5 | 0.026 | 0.13 |
| 40 | 366 | 5 | 0.031 | 0.155 |
| 50 | 477 | 5 | 0.039 | 0.195 |
| 60 | 561 | 5 | 0.046 | 0.23 |
| 70 | 645 | 5 | 0.053 | 0.265 |
| 80 | 723 | 5 | 0.064 | 0.32 |
| 90 | 798 | 5 | 0.073 | 0.365 |
| 100 | 882 | 5 | 0.086 | 0.43 |