



Noctua Airflow Amplifier for Different Fan Sizes (with Gopro and tripod mount)



nhchiu

[VIEW IN BROWSER](#)

updated 11. 6. 2024 | published 11. 6. 2024

Summary

Scaled version of Noctua's NV-AA1-12 to fit 200, 140, 120, 92, 80, 60, 50 and 40mm fans.

[Household](#) > [Office](#)

Tags: [fan](#) [cooling](#) [noctua](#)

Updated: 2024/06/09

- Remodeled the outer surface so now it can be scaled to more different sizes without making the shell too thin or too thick. It shouldn't have (too much) effect on the airflow behavior. Additional sizes: 40mm, 50mm, 60mm, and 200mm(154mm hole spacing). (I don't have a 200mm fan but if you have one and tried it please let me know! :))
- Added two new versions with integrated mounting feature:
 1. Modular Gopro mount. The mounting part is derived from **Modular Mounting System / GoPro Arms**. It uses M5 fasteners.

2. Tripod mount. Modeled in 1/4"-20 UNC thread (6mm deep), which should be compatible with many tripod screws. It's plastic thread, don't over tighten it!

The **NV-AA1-12** from Noctua is tweaked specifically for there **NF-A12x25** fans.

These are just scaled proportionally to fit different fan sizes.
None of the critical features are adjusted or tweaked.

No CFD simulation done! Different fan models with different sizes behave differently.

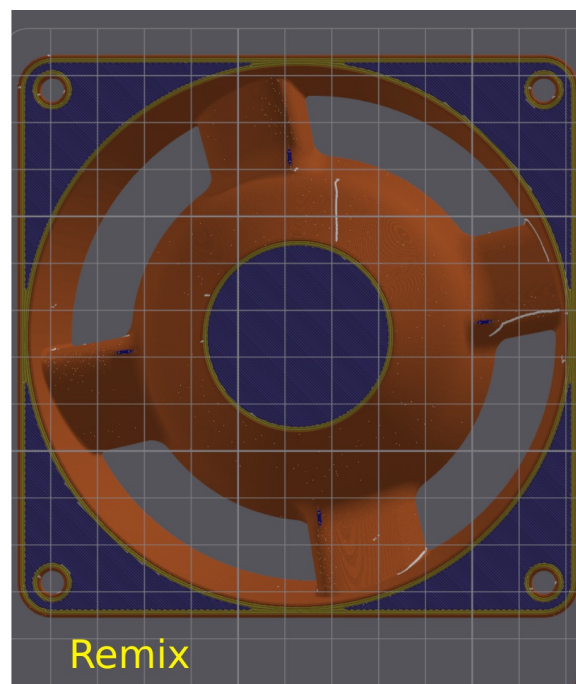
These may make you fan perform better or worse. Use it at your own risk.

If you tried any of these, feedbacks are appreciated.

Refer to the **"Differences of the remix compared to the original"** section for changes made.

The 120mm version is slightly tweaked:

1. Added bottom chamfers to compensate for elephant foot effect.
2. Replaced a bottom facing fillet with a small chamfer to remove the overhanging perimeter.



This remix is based on



NV-AA1-12 Airflow Amplifier

by Noctua_at



Modular Mounting System / GoPro Arms (Customizable)

by 6d6178

Model files



No mount

8 files



noctua_airflow_amplifier_40.stl



noctua_airflow_amplifier_50.stl



noctua_airflow_amplifier_60.stl



noctua_airflow_amplifier_80.stl



noctua_airflow_amplifier_92.stl



noctua_airflow_amplifier_120.stl



noctua_airflow_amplifier_140.stl

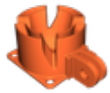


noctua_airflow_amplifier_200.stl

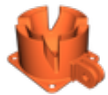


Gopro mount

8 files



noctua_airflow_amplifier_40_gopro.stl



noctua_airflow_amplifier_50_gopro.stl



noctua_airflow_amplifier_60_gopro.stl



noctua_airflow_amplifier_80_gopro.stl



noctua_airflow_amplifier_92_gopro.stl



noctua_airflow_amplifier_120_gopro.stl



noctua_airflow_amplifier_140_gopro.stl



noctua_airflow_amplifier_200_gopro.stl



Tripod mount

8 files



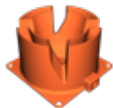
noctua_airflow_amplifier_40_tripod.stl



noctua_airflow_amplifier_50_tripod.stl



noctua_airflow_amplifier_60_tripod.stl



noctua_airflow_amplifier_80_tripod.stl



noctua_airflow_amplifier_92_tripod.stl



noctua_airflow_amplifier_120_tripod.stl



noctua_airflow_amplifier_140_tripod.stl



noctua_airflow_amplifier_200_tripod.stl

License

This work is licensed under a
[Creative Commons \(4.0 International License\)](https://creativecommons.org/licenses/by-nc-sa/4.0/)



Attribution—Noncommercial—Share Alike

-
- ✗ | Sharing without ATTRIBUTION
 - ✓ | Remix Culture allowed
 - ✗ | Commercial Use
 - ✗ | Free Cultural Works
 - ✗ | Meets Open Definition