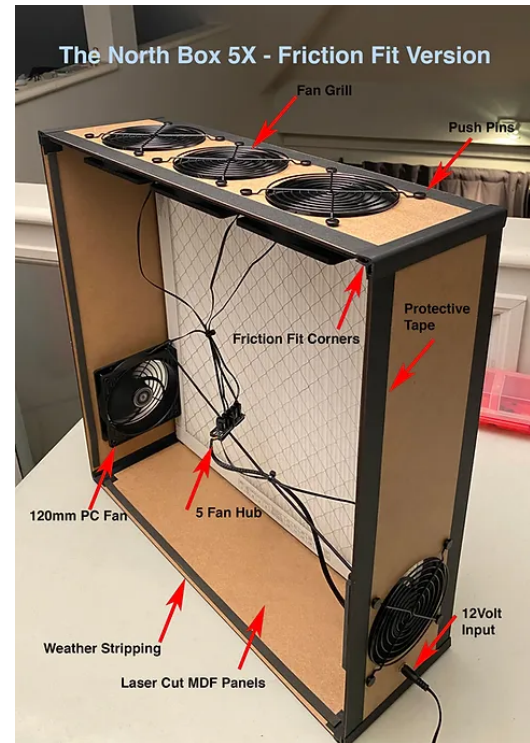


The 5X Air Purifier by North Box Systems

Inspired by the DIY movement around Corsi-Rosenthal Boxes and by Rob Wissmann's work using PC fans to create compact air purifiers, Aidan and Robert Fantinatto decided to make these devices easily available to Canadians.

The North Box 5X Air Purifier is based on the proven Corsi-Rosenthal Box design and provides an added layer of protection from airborne virus and smoke particles. It features virtually silent operation, with a five-fan design optimized for efficient airflow.

- Re-engineered to use silent, low-power PC fans
- Quieter than commercial HEPA air purifiers
- Uses two 20x20x1-inch MERV-13 furnace filters (replaceable)
- Safe, low-power 12V supply
- Power consumption only 9.8 watts
- Safety grills on fans
- 200 CADR (clean air delivery rate in cubic feet per minute) – good for 5 air changes per hour in a 300 sq ft space
- New friction fit corners reduce weight, allow easy assembly, and give a smoother look



The Science Behind DIY Air Purifiers

The following studies in peer-reviewed scientific journals examine the efficacy of do-it-yourself air purifiers:

[Efficacy of Do-It-Yourself air filtration units in reducing exposure to simulated respiratory aerosols](#), Building and Environment, 2023

[Characterizing the performance of a do-it-yourself \(DIY\) box fan air filter](#), Aerosol Science and Technology, 2022