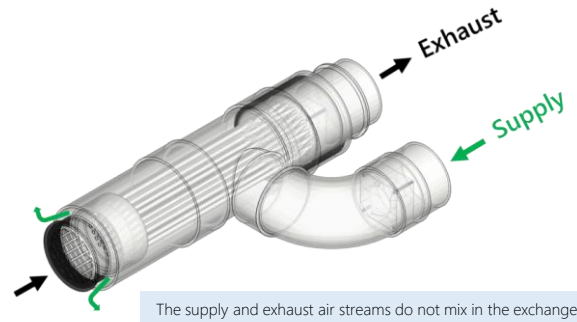


CLIMATE

Ventilation Unit

CLIMATE is a spot thermal energy (heat) recovery ventilator unit that can provide spaces with fresh and filtered air without opening the windows, which is quite important during cold or warm periods of the year.

Notably, the unit is a 3-IN-1 device that provides air purification, ventilation, and comfort.



PURIFICATION | Clean Air

The units use the principle of mechanical filtration to remove pollutants from the outdoor air that is supplied to your space.

VENTILATION | Fresh Air

The units exhaust stale air and pollutants from your space while simultaneously supplying fresh and filtered air from the outdoors. The units are calibrated for balanced ventilation by default, and can also be configured as negative or positive pressure devices.

COMFORT | Conditioned Air

The units have been developed to utilize air-to-air exchangers that can passively condition the indoor air that is supplied to your space throughout the year thereby reducing your energy bills.

SPECIFICATIONS

Parameter	Value
External dimensions including ports* [in (mm)]	18×12×6.5 (457×305×165)
Number of ports	2
Diameter of ports [in (mm)]	3 (76)
Weight* [lb (kg)]	11.0±2.2 (5±1)
Maximum voltage [V DC]	12
Maximum flow capacity* [CFM (m3/h)]	30 (~50)
Rated flow capacity at 0.1 in wc [CFM]	23
Maximum sound [sone]	3.7
Minimum sound* [sone]	0.8
Power consumption* [W]	2
Effectiveness* [%]	80

Tests were made in accordance with Figure 12 and Figure 15 of ANSI/AMCA Standard 210-25 / ANSI/ASHRAE Standard 51-25, AMCA Standard 300-24, HVI Publication 915-2025, HVI Publication 916-2025, and HVI Publication 920-2024

Texas A&M Engineering Experiment Station, USA, *All Research Laboratory, Canada.

Note. Due to continuous research and development and the diversity of suppliers that are utilized by the manufacturer, the specifications, drawings, and images of the product may vary between the technical data sheet and/or the actual units that are received by customers. We reserve the right to modify the data sheet without notice.

MODEL	QUANTITY	COMMENTS	PROJECT
			Location: Architect: Engineer: Contractor: Submitted By:

APPLICATIONS

- Can be permanently installed or used as a portable unit;
- Suitable for both new construction and retrofit projects;
- Suitable for: bedroom; living room; recreation room; office; studio; garage; shop; apartment; tiny house; small house.

INSTALLATION

The units are easily self installed, and can be sited in multiple places such as a table / floor or mounted on a wall / ceiling.

Window/Door. The ports or ducts shall be inserted into two holes that are drilled into a board. A fabric casement seal with two zipper orifices may be used in lieu of a board to avoid drilling.

Wall/Ceiling. The ports or ducts shall be inserted into two holes that are drilled through the wall or ceiling.

CONTROL

Inbuilt. The unit operates at a default "normal" mode that meets minimum ventilation requirements. Additionally, the user can activate the boost modes for the supply and exhaust fans.

External. The unit has connectors for boost control through the use of external switches, smart plugs, and controllers.

MAINTENANCE

It is recommended to change the filters at least once in three months depending on the outdoor air conditions.

DRAWING

