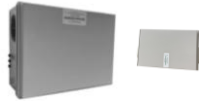


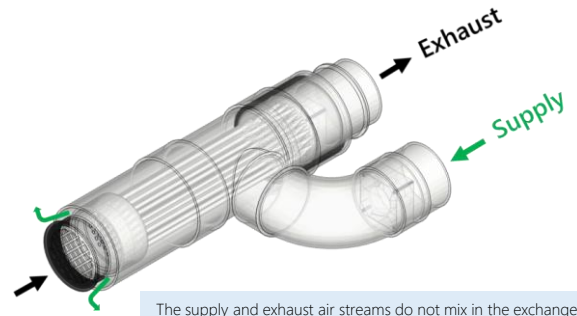
MINI

Ventilation System



MINI has evolved into a 3-IN-1 compact air treatment system that provides robust ventilation, HEPA filtration, and thermal energy (heat) recovery at an affordable price.

The air treatment system improves indoor air quality by continuously replacing stale air with tempered fresh air from the outdoors. MINI can serve both open spaces (single rooms) and whole houses (multiple rooms).



PURIFICATION | Clean Air

The system uses the principle of HEPA filtration to remove pollutants from the outdoor air that is supplied to your space.

VENTILATION | Fresh Air

The system exhausts stale air and pollutants from your space while simultaneously supplying fresh and filtered air from the outdoors. The system is calibrated for balanced ventilation, and can be configured for negative or positive pressure ventilation.

COMFORT | Conditioned Air

The system uses an air-to-air exchanger to further passively temper the outdoor air that is supplied to your space throughout the year thereby reducing your energy bills.

SPECIFICATIONS

Parameter	Value
Filter box	External dimensions including ports [in (mm)]
Ventilation box	14 × 8 × 6 (356 × 203 × 152)
	22 × 14 × 6.5 (559 × 356 × 165)
Number of ports	4
Diameter of ports [in (mm)]	3 (76)
Total weight [lb (kg)]	15.4 ± 2.2 (7 ± 1)
Maximum voltage [V DC]	12
Maximum air flow capacity [CFM]	60
Maximum air flow capacity [m³/h]	~100
Power consumption [W]	5
Effectiveness [%]	80

Tests were made with procedures that conform to the calibration of Figure 12 and Figure 15 of ANSI/AMCA Standard 210-25 / ANSI/ASHRAE Standard 51-25 and HVI Publication 916.2025.

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 items 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 system;
- Suitable for both new construction and retrofit projects;
- Suitable for: single rooms, multiple rooms, and whole houses; can ventilate up to 1200 sq ft as per ASHRAE Std. 62.2 – 2010.

INSTALLATION

The system is 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. Switches can be used to independently activate the normal and boost modes for the supply and exhaust sides.

External. The system has connectors for boost control through the use of external switches, smart plugs & CO₂ / humidity controllers.

MAINTENANCE

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

DRAWING

