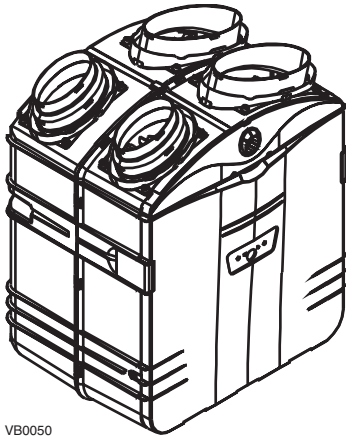


# WHOLE-HOUSE HEPA AIR PURIFIER SYSTEM\*

## MODEL: HEPA 4000\*

180 cfm (including 70 cfm of air exchange)  
to 270 cfm (including 105 cfm of air exchange)



## HEPA\*\* FILTRATION WITH FRESH AIR SUPPLY AND ENERGY RECOVERY

This new whole-house HEPA air purifier system\* is much more than a conventional energy recovery ventilator. In fact, this unit draws outside air and blends it with interior air. Then, a portion of the stale air is exhausted to the outside, preventing outdoor excess humidity from entering the house (just like everyone expects from an effective energy recovery ventilator). BUT this unit is also equipped with an HEPA\*\* filter, which traps airborne allergens such as pollen, dust, mold, bacteria, etc.

- Simple and easy installation to air handler ducting or stand alone option (installation kit # 13932 sold separately)
- Cabinet-integrated handles
- Only one outdoor connection
- A total of 270 cfm of filtered air (containing up to 105 cfm of fresh/filtered air coming from outside)
- Suitable for a 6-bedroom house\*\*\*
- Recirculation mode available (with the optional C34 wall control)

Why are we offering HEPA\*\* filtration in our units? Because this is the best way to trap airborne allergens in your house. This filter catches up to 99.97% of 0.3 micron (and larger size) particles. With its top quality filtration and its energy recovery, this unit will provide your home fresh healthy air and reduce ventilation costs.

\*\*HEPA: High Efficiency Particulate Air.

\*\*\*Based on 15 cfm of fresh air per person, 2 people in the first bedroom and one in the rest, 105 cfm ventilates a entire home with up to 6 bedrooms. Local requirements may vary.

Available at :

## Control

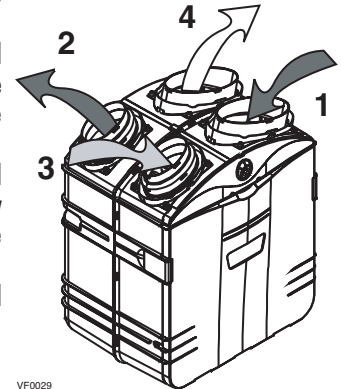
This unit is very simple to operate: once it is installed, simply turn on the switch (located on the front panel) to the desired speed (Off, Normal or Boost).

If desired, you can use the C34 optional wall control. This control offers 3 operating modes: Normal, Boost and Recirculation. Also, it is equipped with a convenient filter maintenance indicator, telling you when it is time to perform the maintenance.



## Ventilation and HEPA Filtration

1. Stale air from the house is drawn to the unit.
2. A portion of the stale air is exhausted to the outside, carrying out the excess of humidity coming from outside air (see #1).
3. Fresh air from outside is blended with interior air. Then, the airflow goes through the prefilter (catching the bigger particles) and the HEPA filter.
4. Fresh filtered air is distributed throughout the house.



## Airborne particles trapped

- Pollen
- Fungus spores
- Tobacco smoke
- Bacteria
- Dust mite debris
- Pet danders
- Mold spores
- Dust, etc.

## Maintenance

Further to its easy installation, this unit is maintenance trouble free.

Once the front door is open, you directly access the energy recovery module. Slide out this module to access the prefilter and HEPA filter cartridge.

The prefilter should be replaced every 6 months and the complete HEPA filter cartridge should be replaced once a year.

No tools are required to perform the maintenance. Also, the motor is factory lubricated; there is no need to oil the motor.

## Requirements and Standards

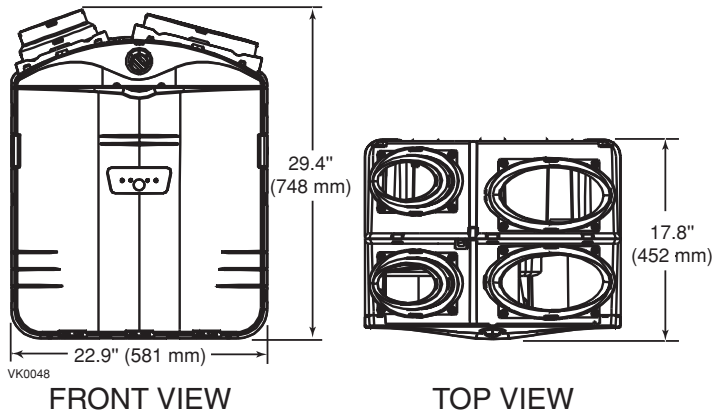
- Complies with CSA C22.2 No. 113-M1984
- Complies with UL 1812

## Warranty

The HEPA 4000\* units is fully protected by a 2-year warranty on all parts and labor in workshop, except for core filters, filter and prefilter.

\* Patent pending

## Dimensions and Clearances: HEPA 4000\*



## Specifications and ratings

- Model: HEPA 4000\*
- Part number: # HEPA4000
- Total assembled weight: 40 lbs (18.2 kg)
- Cabinet: ABS
- Mounting: Suspension by chains and springs
- Oval shaped duct collars, - for non insulated ducts to inside: fits 8" round duct
- for insulated ducts to outside: fits 5" or 6" round duct
- Motor and blower : 270 cfm, 3200 RPM

- Unit Electrical Characteristics:**
- Voltage: 120 volts AC
  - Power: 224 Watts
  - Current: 2 Amps.
  - Frequency: 60 Hz

## Energy Recovery Core Performances

	SUPPLY TEMPERATURE		APPARENT SENSIBLE EFFECTIVENESS	LATENT RECOVERY/MOISTURE TRANSFER
	C°	F°		
HEATING				
65 cfm	0	+32	70%	44%
105 cfm	0	+32	69%	43%
TOTAL RECOVERY EFFICIENCY				
COOLING				
65 cfm	+35	+95	50%	
105 cfm	+35	+95	43%	

## Filtration efficiency

**HEPA Filter Efficiency:**  
**(0.3 microns and larger size particles)**

Unit on Normal mode:	99.97%
Unit on Boost mode:	99.82%
Unit on Recirculation mode*:	99.97%

\*Only with optional C34 control

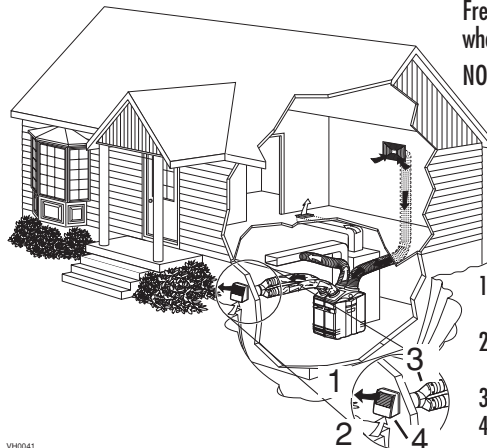
**Unit filtration efficiency:**  
**(0.3 microns and larger size particles)**

Unit on Normal mode:	>87%
Unit on Boost mode:	>85%
Unit on Recirculation mode*:	>87%

\*Only with optional C34 control

NOTE: All specifications are subjected to change without notice.

## Installation

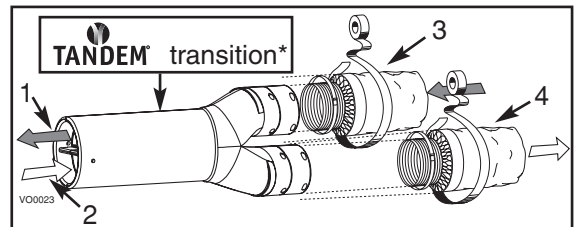


Fresh filtered air is distributed through the whole house, using the existing duct system.

NOTE: It is also possible to install this unit in a stand-alone option.

Only one outside connection is needed when using the Tandem<sup>®</sup> transition\* and the dual outside port\*, simplifying the installation.

1. Exhaust stale indoor air, at very high speed, on the top of the dual outside port\*.
2. Intake of fresh outdoor air, by the bottom of the dual outside port\*.
3. Exclusive Tandem<sup>®</sup> transition\*.
4. Exclusive dual outside port\*.



Our exclusive Tandem<sup>®</sup> transition\* never mixes stale inside air (1) coming from its unit duct (3) and fresh air from outside (2) (going through its unit duct (4)). Both transition and unit ports can be fitted with 5" and 6" diameter insulated flexible ducts.

\*Patent pending.

Submitted by:		Date :	Project:
Qty:	Model #:	Remarks:	Location:
			Architect:
			Engineer:
			Contractor:



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