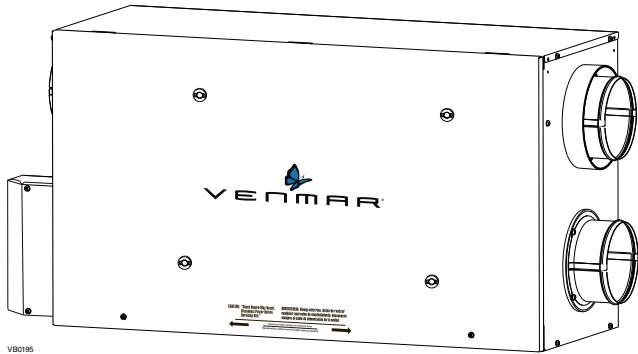




Venmar H50100H
Part no. H50100H
 50 to 104 CFM (0.4 in. w.g.)



THE BRAND NEW VENMAR H50100H UNIT, THE NEW GENERATION OF HEPA FILTRATION

Indeed, this heat recovery ventilator is equipped with a HEPA filter that removes 99.97% of allergens and other microscopic particles in the air. The Venmar H50100H unit has an ultra-quiet operation, barely audible at low speed (2.5 sones), thanks to the advanced design of its blower, which also contributes to its high energy efficiency. Furthermore, since the Venmar H50100H ducting diameter is reduced to 5 inches, its installation is now easier and faster than before.

- 5-in. diameter ports mean smaller duct to ease installation
- Integrated control
- Removable terminal block to ease optional wall control connections
- Integrated pressure taps
- Ultra-quiet operation
- Furnace interlock capability
- ENERGY STAR® qualified

REPAIRS AND MAINTENANCE

All parts of the Venmar H50100H unit that could need maintenance can be removed in less than five minutes, allowing direct access for easy repairs. The PSC motor is permanently lubricated.

WARRANTY

The Venmar H50100H unit is protected by a 2-year warranty on parts only. The heat recovery core is covered by a limited lifetime warranty, with the original proof of purchase.

Available at:



HEAT RECOVERY VENTILATOR

Controls

- This unit is very simple to operate: once it is installed, press on its push button, located on the bottom of the electronic compartment, to activate it. Press once for low speed, once again for high speed, and once more to stop it.
- If desired, the following main controls are available:
 - Altitude programmable digital control with SMART mode no. 40440
 - Deco-Touch digital control no. 40395
 - Constructo no. 40350
 - Lite-Touch Constructo no. 40370
 - Simple-Touch Constructo no. 40390
- Also, the following optional auxiliary controls can also be added:
 - 20/40/60-minute lighted push button no. 03364
 - 60-min. mechanical timer no. 00910
 - Dehumidistat no. 11297

Options

- Dual exterior hood kit (including Tandem® transition), part no. 14690
- Complete line of registers and diffusers

Homeshield™ Defrost System

When the outside temperature is below 23°F, heat recovery creates frost in the core. To maintain its proper operation, the Venmar H50100H unit is programmed to defrost the heat recovery core, using a unique defrosting method. No negative pressure is created by air exhausted to the outside, as the air is recirculated into the house, helping to prevent any backdraft.

OUTSIDE TEMPERATURE		DEFROST CYCLE
°F	°C	DEFROST / AIR EXCHANGE
WARMER THAN 23	WARMER THAN -5	NO DEFROST
FROM 23 TO 5	FROM -5 TO -15	6 MINUTES / 40 MINUTES
FROM 5 TO -17	FROM -15 TO -27	5 MINUTES / 21 MINUTES
-17 AND LESS	-27 AND LESS	8 MINUTES / 15 MINUTES

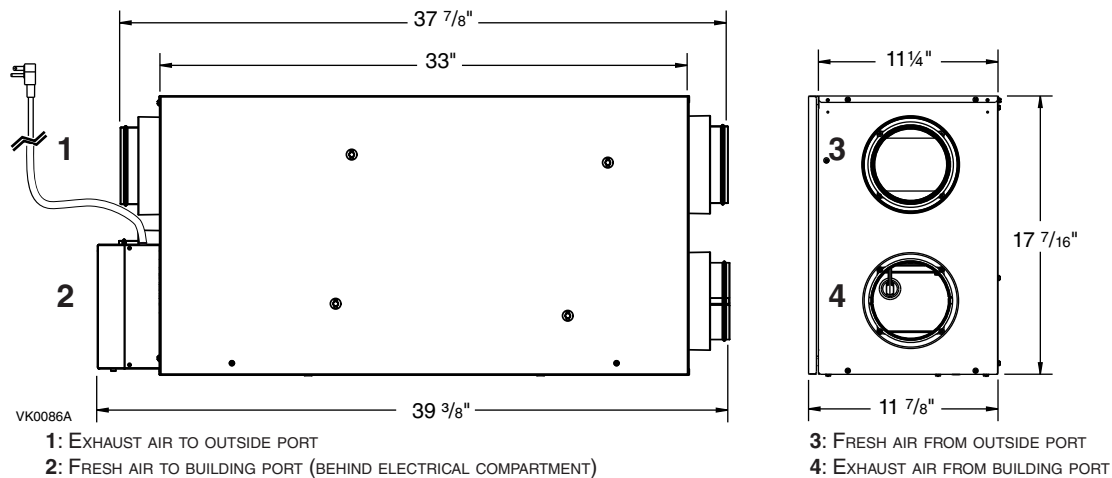
Heat Recovery Core

Dimensions: 10 in. x 10 in. x 10 in. (25.4 cm x 25.4 cm x 25.4 cm)
 Exchange surface: 70 sq. ft. (6.5 m²)
 Weight: 5 lb. (2.3 kg)
 Material: Polypropylene
 Type: Cross flow
 Warranty: Limited lifetime

Requirements and standards

- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 no. 113 Standard applicable to ventilators
- Complies with CSA C444 requirements regulating the installation of Heat Recovery Ventilators
- Technical data was obtained from published results of tests relating to CSA C439 Standards
- HVI certified
- ENERGY STAR® qualified

DIMENSIONS: VENMAR H50100H



NOTE: All unit ports were created to be connected to ducts having a minimum of 5" diameter, but if need be, they can be connected to bigger sized ducts by using an appropriate transition (e.g.: 5" diameter to 6" diameter transition).

VENTILATION PERFORMANCE

EXTERNAL STATIC PRESSURE		NET SUPPLY AIR FLOW			GROSS AIR FLOW					
PA	IN. W.G.	L/S	CFM	M ³ /H	SUPPLY			EXHAUST		
					L/S	CFM	M ³ /H	L/S	CFM	M ³ /H
25	0.1	54	114	194	54	114	194	59	126	214
50	0.2	53	112	190	53	112	190	57	121	206
75	0.3	51	109	185	51	109	185	55	117	199
100	0.4	49	104	177	49	104	177	53	112	190
125	0.5	46	98	166	46	98	166	50	107	182
150	0.6	43	92	156	43	92	156	49	103	175
175	0.7	41	86	146	41	86	146	46	98	166
200	0.8	37	79	134	37	79	134	43	92	156
225	0.9	35	74	126	35	74	126	41	86	146

ENERGY PERFORMANCE

SUPPLY TEMPERATURE		NET AIR FLOW		POWER CONSUMED	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	LATENT RECOVERY/MOISTURE TRANSFER
°C	°F	L/S	CFM	WATTS			
HEATING							
0	32	24	51	42	65	75	-0.01
0	32	30	64	51	61	71	-0.01
-25	-13	24	51	46	60	78	0.02
-25	-13	30	64	51	55	71	0.03

NOTE: All specifications are subject to change without notice.

SPECIFICATIONS

- Model: H50100H
- Part number: H50100H
- Total assembled weight (including polypropylene core): 46.5 lb. (21.1 kg)
- Round 5" ports
- Drain: 1/2" (1.2 cm) fittings with 10 ft. (3 m) PVC drain hose
- Core filters: 2 washable 9 3/8" x 10" x 3/8" (23.8 cm x 25.4 cm x 0.95 cm)
- Housing: Pre-painted steel
- Insulation: Expanded polystyrene
- Installation: Suspension by chains and springs
- Supply and Exhaust Blower Motor: 1 motor
 - Protection type: Thermally protected
 - Insulation class: B
- Speed control on unit: Low & High speeds. Other modes available with main and optional wall controls.
- Heat recovery core:
 - Exchange surface: 70 sq. ft. (6.5 m²)
 - Type/Material : Crossflow/Polypropylene
- Unit Electrical Characteristics:

Volts	Frequency	Ampere	Watts
120	60 Hz	0.6	68

Project:	REMARKS
Location:	
Part number: H50100H	
Quantity:	
Submitted by:	Date:



Residential Products Group, 550 Lemire Blvd., Drummondville, Qc, Canada J2C 7W9 - Tel.: 1-800-567-3855 Fax: 1-800-567-1715



www.venmar.ca

H50100Hd131121