



### **BROAN™ HRVH100SE with HEPA FILTRATION**

#### **Part no. HRVH100SE**

50 to 104 CFM (0.4 in. w.g.)



### **The BROAN™ HRVH100SE Heat Recovery Ventilator with 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. It is an obvious energy-efficient choice with its ENERGY STAR® certification. The BROAN™ HRVH100SE has a cutting-edge blower design, allowing for an ultra-quiet operation which is barely audible at low speed (2.5 sones). Furthermore, since the BROAN™ HRVH100SE 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 defrost control; allows fast and easy adjustment of the defrost duration according to climatic zones
- Electronic wall control with LCD screen included
- Removable terminal block to ease wall control connections
- Ultra-quiet operation
- ENERGY STAR® qualified \*

#### **REPAIRS AND MAINTENANCE**

All parts of the BROAN™ HRVH100SE 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 BROAN™ HRVH100SE is fully protected by a 2-year warranty on all parts and labor. The heat recovery core is covered by a 10-year warranty, with the original proof of purchase.

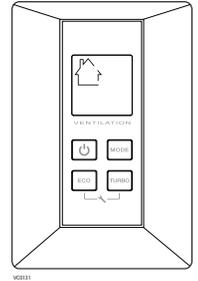
Available at:



## **HEAT RECOVERY VENTILATOR**

### **Control**

- The electronic main wall control, included with the unit, offers 5 operation modes: AUTO, ECO, CONT, RECIRC and TURBO.



### **Defrost System**

- The BROAN™ HRVH100SE offers 3 quick access defrost modes:
  - Standard (factory set regular mode)
  - Plus (for people who live in cold region)
  - Discretion (keeps the same speed when performing defrost as performing ventilation)

DEFROST CYCLES				
OUTSIDE TEMPERATURE		DEFROST IN MINUTES / AIR EXCHANGE IN MINUTES		
°C	°F	STANDARD	PLUS	DISCRETION
WARMER THAN -5	WARMER THAN 23	NO DEFROST	NO DEFROST	NO DEFROST
FROM -5 TO -15	FROM 23 TO 5	6/40	10/30	10/40
FROM -15 TO -27	FROM 5 TO -17	5/21	10/20	10/21
-27 AND LESS	-17 AND LESS	8/15	10/15	15/15

### **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 m<sup>2</sup>)

Weight: 5 lb. (2.3 kg)

Material: Polypropylene

Type: Cross flow

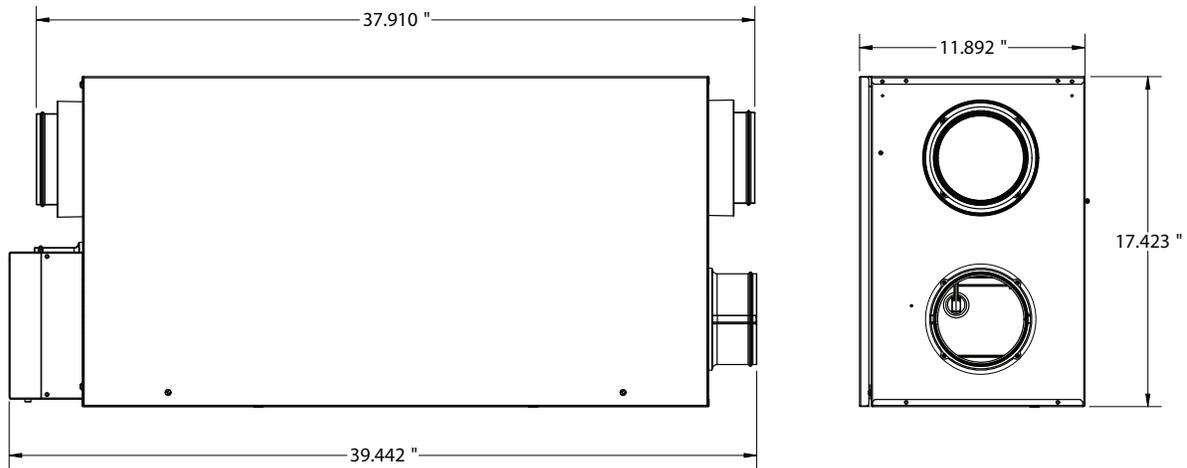
Warranty: 10 years

### **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 \*

\*This product earned the ENERGY STAR® by meeting strict energy efficiency guidelines set by Natural Resources Canada and the US EPA. It meets ENERGY STAR® requirements only when used in Canada.

## DIMENSIONS: BROAN® HRVH100SE with HEPA FILTRATION



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 <sup>3</sup> /H	SUPPLY			EXHAUST		
					L/S	CFM	M <sup>3</sup> /H	L/S	CFM	M <sup>3</sup> /H
25	0.1	54	114	194	54	114	194	59	126	214
50	0.2	53	112	190	53	112	190	57	121	209
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	124	35	74	124	41	86	146

### ENERGY PERFORMANCE

SUPPLY TEMPERATURE		NET AIR FLOW		POWER CONSUMED WATTS	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	LATENT RECOVERY/MOISTURE TRANSFER
°C	°F	L/S	CFM				
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: HRVH100SE
- Part number: HRVH100SE
- Total assembled weight (including polypropylene core): 56 lb. (25.4 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
- Door covering: 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
- Electronic control with LCD screen included:
  - 5 operation modes including new ECO and TURBO modes
  - Choice of 3 defrost modes
  - Heat recovery core:
    - Exchange surface: 70 sq. ft. (6.5 m<sup>2</sup>)
    - Type/Material : Crossflow/Polypropylene
  - Unit Electrical Characteristics:
 

Volts	Frequency	Ampere	Watts
120	60 Hz	0.6	68

Project:	REMARKS
Location:	
Part number: HRVH100SE	
Quantity:	
Submitted by:	Date:



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