

### NOVO+ 100H

Part no. 1601717

66 to 150 CFM (0.4 in. w.g.)



VB0173

### NOVO+® SERIES: AFFORDABLE, ENERGY EFFICIENT VENTILATION

Contractors and builders need cost-effective, reliable and code-compliant mechanical ventilation systems for new home construction. The vaneE NOVO+ Series offers all of these features plus it meets the requirements of the Novoclimat® program for homes in Quebec. Match the NOVO+ with a Deco-Touch™ digital IAQ wall control for outstanding value, or the programmable Platinum wall control with SMART mode (automated ventilation based on indoor relative humidity and outdoor temperature) for even more sophisticated control over your home's ventilation. The NOVO+ 100H is based on over 15 years of continuous improvement to deliver contractors the durability and reliability they have come to expect from vaneE.

- Maintenance free, totally enclosed, sealed bearings motor
- Pressure taps, balancing dampers and straps for insulated ducts for quick, effective installation
- Integrated "snap-in" drain system installs in seconds with no additional parts
- Recirculation mode to move air in homes without forced-air heating
- ENERGY STAR® qualified
- Approved for the Novoclimat®\*\* program for new homes when used with optional main control.

\*Novoclimat® is a program of the Agence de l'efficacité énergétique du Québec.

### REPAIRS AND MAINTENANCE

All parts of the NOVO+ 100H that could need maintenance can be removed in less than 5 minutes, allowing direct access for easy repairs. The motor is permanently lubricated.

### WARRANTY

The NOVO+ 100H is protected by a 5-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: press on its push button, located on the electrical compartment, to activate it. Press once for low speed, once again for high speed, and once more to stop it.
- For more convenience, this unit can also be controlled by an optional main control. For a complete list of optional main and auxiliary controls available, refer to the **Wall Control Compatibility Chart** on last pages of wall controls specification sheet, available at [www.vanee.ca](http://www.vanee.ca).

For more details about controls, refer to their specification sheet and to the **Main and auxiliary wall control user guide** at [www.vanee.ca](http://www.vanee.ca).

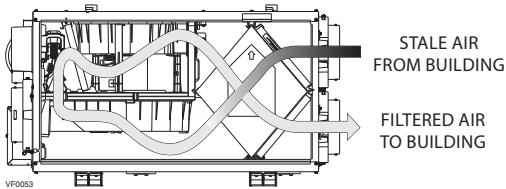
### Options

- Complete line of registers and diffusers

### Defrosting System

The NOVO+ 100H uses an efficient 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.

OUTDOOR TEMPERATURE		DEFROST CYCLE (IN MINUTES)
°C	°F	DÉGIVRAGE/FONCTIONNEMENT
WARMER THAN -5	WARMER THAN 23	NO DEFROST
-5 TO -15	23 TO 5	7/50
-15 TO -27	5 TO -17	7/25
-27 AND LESS	-17 AND LESS	10/20



### Heat Recovery Core

Dimensions: 12" x 14" x 15.5" (30.5 cm x 35.5 cm x 39.4 cm)

Exchange surface: 102 ft.<sup>2</sup> (9.54 m<sup>2</sup>)

Weight: 6.2 lb. (2.8 kg)

Material: Polypropylene

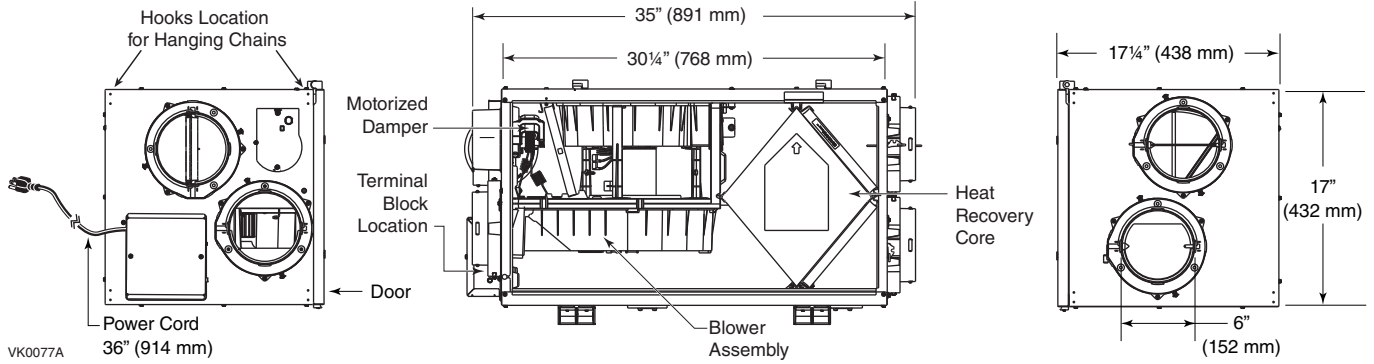
Type: Crossflow core

Warranty: Limited lifetime

### Requirements and standards

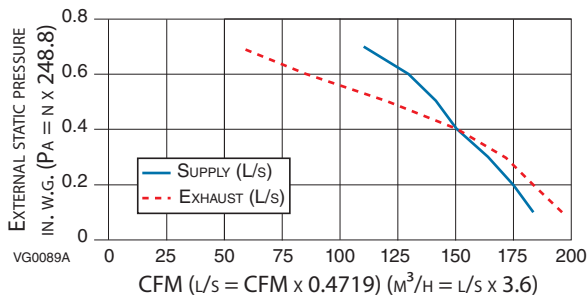
- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 no. 113 Standard applicable to ventilators
- Complies with CSA F326 requirements regulating the installation of Heat Recovery Ventilators
- Technical data was obtained from published results of tests relating to CSA C439 Standards
- HVI certified and ENERGY STAR® qualified

# DIMENSIONS: NOVO+ 100H



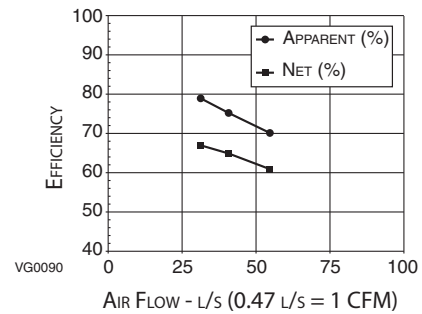
## VENTILATION PERFORMANCE

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	85	180	306	86	182	309	92	194	330
50	0.2	82	174	296	82	175	297	86	182	309
75	0.3	77	163	277	77	164	279	81	171	291
100	0.4	71	150	255	71	151	257	71	151	257
125	0.5	67	141	240	67	142	241	57	120	204
150	0.6	60	128	217	61	130	221	40	85	144
175	0.7	51	108	183	52	110	187	27	57	97



## ENERGY PERFORMANCE

SUPPLY TEMP.		NET AIR FLOW			POWER CONSUMED	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	LATENT RECOVERY MOISTURE TRANSFER
°C	°F	L/S	CFM	M <sup>3</sup> /H	WATTS			
HEATING								
0	32	31	66	112	67	67	79	-0.01
0	32	40	86	146	74	65	75	-0.01
0	32	54	115	195	90	61	70	-0.01
-25	-13	38	81	138	87	60	76	0.02



All specifications are subject to change without notice.

## SPECIFICATIONS

- Model: NOVO+ 100H
- Part number: 1601717
- Total assembled weight (including polypropylene core): 65 lb. (29.5 kg)
- Drains: 1/2" (1.2 cm) fittings with 10 ft. (3 m) PVC drain hose
- Filters: 15 ppi washable reticulated foam 15.375" x 7.125" x 0.75" (39 cm x 18 cm x 1.9 cm)
- 6" round ports
- Housing: pre-painted steel
- Insulation: expanded polystyrene Installation: suspension by chains and springs
- Supply and exhaust blower motor: 1 PSC motor
  - Protection type: thermally protected
  - Insulation class: B
- Speed control on unit: low and high speed. Other modes available with optional main and auxiliary wall controls.
- Heat recovery core:
  - Heat exchange surface area: 102 ft.<sup>2</sup> (9.54 m<sup>2</sup>)
  - Type/Material: Crossflow/Polypropylene
- Unit electrical characteristics:
 

Volts	Frequency	Amps	Watts
120	60 Hz	1.5	160

Project:	REMARKS
Location:	
Model no.: 1601706	
Quantity:	
Submitted by:	Date:



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