



HRV SOLO 2.0ES

Part no. 47720

82 to 192 CFM (0.4 in. w.g.)



VB0165

SOLO®: THE ONE HRV YOU NEED FOR OPTIMAL INDOOR AIR QUALITY

Homeowners who want the best in heat-recovery ventilation choose the Solo 2.0ES for its power, reliability and very quiet operation. When used along with the Altitude IAQ wall control with SMART mode (automated ventilation based on indoor relative humidity and outdoor temperature), the Solo 2.0ES allows you to optimize your ventilation and your energy consumption. The Solo 2.0ES represents over 15 years of continuous improvement to deliver contractors the durability and reliability they have come to expect from Venmar.

- Maintenance free, totally enclosed, sealed bearings motor; prevents dust from entering
- 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
- Reversible for greater installation flexibility
- Recirculation mode, available with Altitude or Deco-touch main control, to move air in homes without forced-air heating
- Very quiet operation
- ENERGY STAR® qualified
- Approved for the Novoclimat®* program for new homes when used with Altitude or Deco-touch main wall control

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

REPAIRS AND MAINTENANCE

All parts of the HRV SOLO 2.0ES can be removed in less than five minutes, allowing direct access for easy repairs. The low power consumption motor is permanently lubricated. Finally, the electronic circuit board eliminates electromechanical parts, reducing repair time to a minimum.

WARRANTY

The HRV Solo 2.0ES is protected by a 5-year warranty on parts. The heat recovery core is covered by a 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.
- The following main controls are also available:
 - Altitude programmable digital control with SMART mode no. 40440
 - Deco-Touch digital control no. 40395
 - Lite-Touch Constructo no. 40370
 - Simple-Touch Constructo no. 40390
 - Constructo no. 40350
- Up to 5 of the following optional auxiliary controls can also be added:
 - Dehumidistat no. 11297
 - 20/40/60 min. lighted push-button no. 03364

For more details about controls, refer to their specification sheet on venmar.ca.

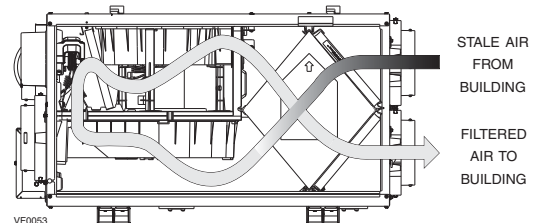
Options

- Complete line of registers and diffusers

Defrosting System

The HRV Solo 2.0ES 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.

OUTSIDE TEMPERATURE		DEFROST CYCLE
°C	°F	DEFROSTING MIN./OPERATING MIN.
WARMER THAN -5	WARMER THAN 23	NO DEFROST
-5 TO -15	23 TO 5	6/50
-15 TO -27	5 TO -17	6/25
-27 & LESS	-17 & 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 ft² (9.54 m²)

Weight: 6.2 lb (2.8 kg)

Material: Polypropylene

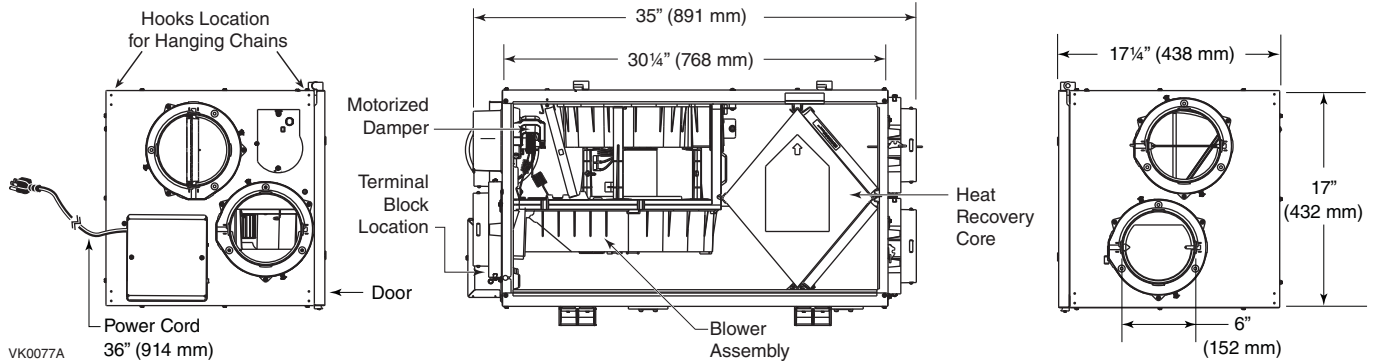
Type: Crossflow core

Warranty: Limited Lifetime

Requirements and Standards

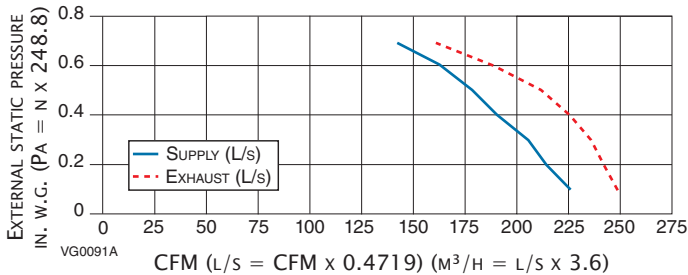
- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 no. 113 Standard applicable to ventilators
- Complies with CSA C444 requirements regulating the installation of Heat Recovery Ventilators
- Technical data was obtained from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

Dimensions: HRV Solo 2.0ES



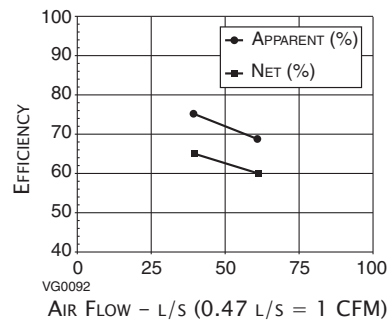
Ventilation Performance

EXT. STATIC PRESSURE	NET SUPPLY AIR FLOW			GROSS AIR FLOW						
				SUPPLY			EXHAUST			
PA	IN. W.G.	L/S	CFM	M ³ /H	L/S	CFM	M ³ /H	L/S	CFM	M ³ /H
25	0.1	106	225	382	107	227	386	118	249	423
50	0.2	102	215	365	102	216	367	115	243	413
75	0.3	96	204	347	97	205	348	111	235	399
100	0.4	90	192	326	91	193	328	107	226	384
125	0.5	83	177	301	84	179	304	100	211	358
150	0.6	76	161	274	76	162	275	89	189	321
175	0.7	67	142	241	67	143	243	75	159	270



Energy Performance

SUPPLY TEMPERATURE		NET AIR FLOW			POWER CONSUMED	SENSIBLE RECOVERY	APPARENT SENSIBLE	LATENT/RECOVERY
°C	°F	L/s	CFM	M ³ /H	WATTS	EFFICIENCY	EFFECTIVENESS	MOISTURE TRANSFER
HEATING								
0	32	39	82	139	71	65	75	0.01
0	32	61	130	221	129	60	69	0.01
-25	-13	40	84	143	114	60	76	0.03



NOTE: All specifications are subject to change without notice.

Specifications and Ratings

- Model: HRV Solo 2.0ES
- Part Number: 47720
- Total Assembled Weight (including polypropylene core): 65 lb (29.5 kg)
- 6" Round Ports
- Drains: 1/2" (1.2 cm) fittings with 10 ft (3 m) PVC drain
- Filters: 15 ppi washable reticulated foam 15.375" x 7.125" x 0.75" (39 cm x 18 cm x 1.9 cm)
- Housing: Pre-painted steel
- Insulation: Expanded polystyrene
- Mounting: Suspension by chains and springs
- Supply & Exhaust Blower Motor: 1 PSC motor
 - Protection type: Thermally protected
 - Insulation class: B
- Speed Control on unit: Low & High speed. Other modes available with optional main wall controls.
- Heat Recovery Core:
 - Heat Exchange Surface Area: 102 ft² (9.54 m²)
 - Type/Material: Crossflow/Polypropylene
- Unit Electrical Characteristics:

Volts	Frequency	Amps	Watts
120	60 Hz	2.1	195

PROJECT:	REMARKS
LOCATION:	
MODEL NO.:	
QTY.:	
SUBMITTED BY:	DATE:



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