



HRV CONSTRUCTO 2.0ES

Part no. 47110

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



VB0167

CONSTRUCTO® SERIES: PERFECT FOR NEW RESIDENTIAL CONSTRUCTIONS

Contractors and builders need cost-effective, reliable and code-compliant mechanical ventilation systems for new home constructions. The Venmar AVS Constructo Series offers superior value at an entry-level price. The Constructo 2.0ES represents over 15 years of continuous improvement to deliver contractors the durability and reliability they have come to expect from Venmar.

Key features:

- 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
- ENERGY STAR® qualified
- Compatible with the Deco-Touch™ digital wall control

REPAIRS AND MAINTENANCE

All parts of the HRV Constructo 2.0ES 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 HRV Constructo 2.0ES is protected by a 5-year warranty on parts. 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.
 - The following main controls are available:
 - Deco-Touch digital control* no. 40395
 - Lite-Touch Constructo no. 40370
 - Constructo no. 40350
 - * Recirculation mode not available.
 - Up to 5 of the following optional auxiliary controls can also be added:
 - Dehumidistat no. 11297
 - 20-min. lighted push-button no. 12030
- For more details about controls, refer to their specification sheet on venmar.ca.

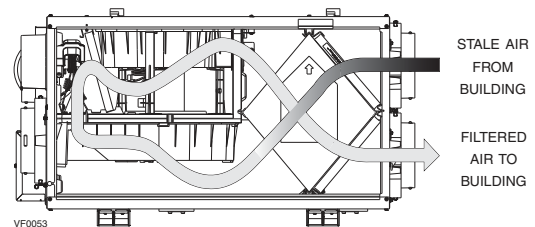
Option

- Complete line of registers and diffusers

Defrosting System

The HRV Constructo 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



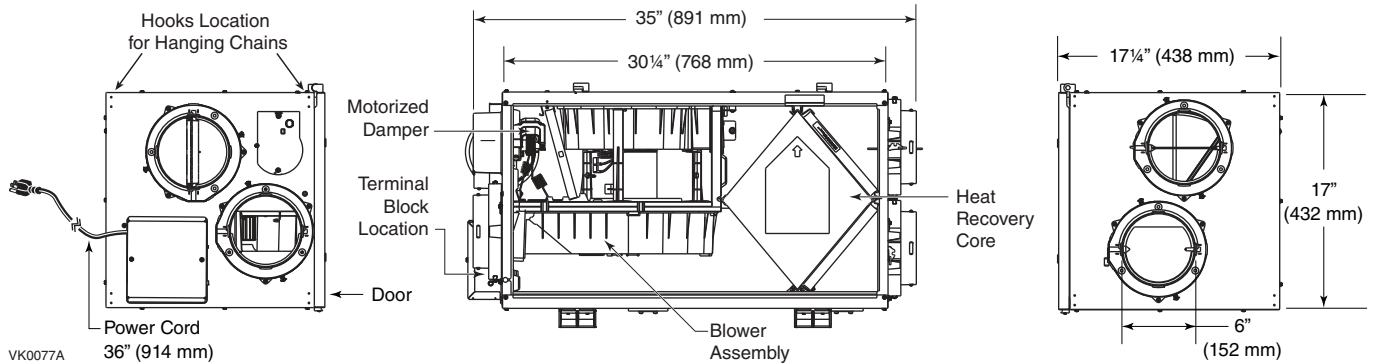
Heat Recovery Core

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

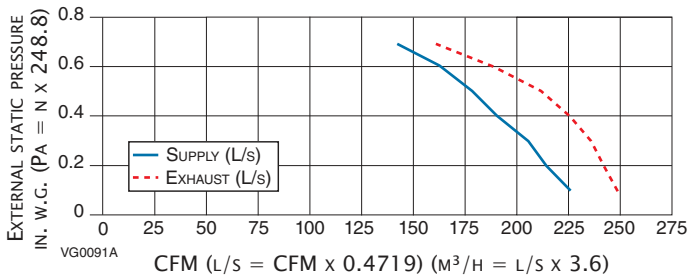
- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 no. 113 Standard applicable to ventilators
- Complies with CSA F326 requirements regulating the installation of Heat Recovery Ventilators
- Technical data was obtained from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

Dimensions: HRV Constructo 2.0ES



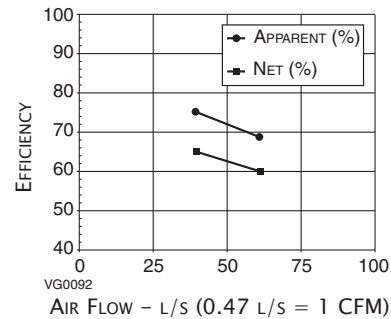
Ventilation Performance

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 WATTS	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	LATENT/RECOVERY MOISTURE TRANSFER
°C	°F	L/S	CFM	M ³ /H				
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 Constructo 2.0ES
- Part Number: 47110
- 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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