



VENMAR®

VENMAR CONSTRUCTO 1.5

Part # 43110 Canada

Part # 1601602 U.S.

Part # 43119 International

70 to 159 CFM (0.3 in. w.g.)
64 to 150 CFM (0.4 in. w.g.)



VB0010

CONSTRUCTO SERIES: PERFECT FOR NEW RESIDENTIAL CONSTRUCTION

Affordability is a priority for the homebuilder who wants to offer a healthy environment. The Constructo Series is an entry level product that offers all the basic features for the new construction market, such as a small sized cabinet, integrated balancing damper and a no negative pressure defrost that ensures quick installation and trouble free operation. Best price for builders & contractors requiring simple, affordable and reliable products.

- **Warranty:** 2 years on all unit parts and a lifetime warranty on the heat recovery core.
- **A minimum of vital parts per unit:** Motor, damper motor and electronic circuit board.
- **Microprocessors:** A proven technology known for its reliability which allows the elimination of numerous mechanical parts which are most likely to break down.

Quiet ventilation is a priority for homeowners and builders. The Constructo HRV Series produces 10db less than any other unit in its category and therefore provides the quietest operation.

- **The SilentSure™ operation system,** a unique design which allows the motor, located at the exhaust ports, to blow air into the house through an integrated silencer in the unit.
- **The motor attachment,** located in the center of the unit prevents any vibration.

Available at:

HEAT RECOVERY VENTILATOR

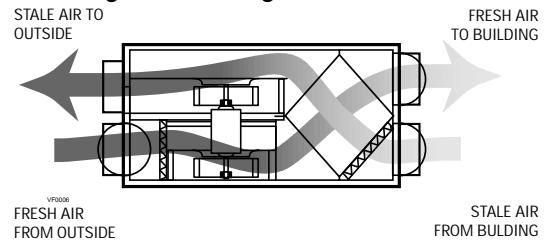
Controls

- Built-in electronic circuit board ready to receive one of the following main controls:
 - Humidity Control #11297
 - Constructo #40350
- One or two of the following optional controls can be added:
 - 20-min. lighted push button #12030
 - 60-min. mechanical timer #00910

Options

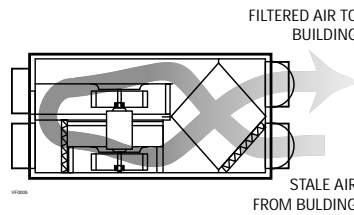
- Integrated furnace interlock relay
- Complete line of registers and diffusers
- Electric duct heater
- Installation parts available from your wholesaler

Airflow During Air Exchange



Homesield™ Defrosting System

The Constructo uses a unique defrosting method. No negative pressure is created by air exhausted to the outside, as the air is recirculated into the house, thus avoiding any backdraft from the chimney. Moreover, this defrosting method by air circulation ensures that no shortage of air is created for combustion units.



OUTSIDE TEMPERATURE	DEFROST CYCLE	DEFROST CYCLE
°C	(°F)	defrosting min. / operating min.
Warmer than -5	Warmer than (23)	No Defrost
-5 TO -27	(23 TO 5)	6/32
-27 & LESS	(-19 & LESS)	6/20

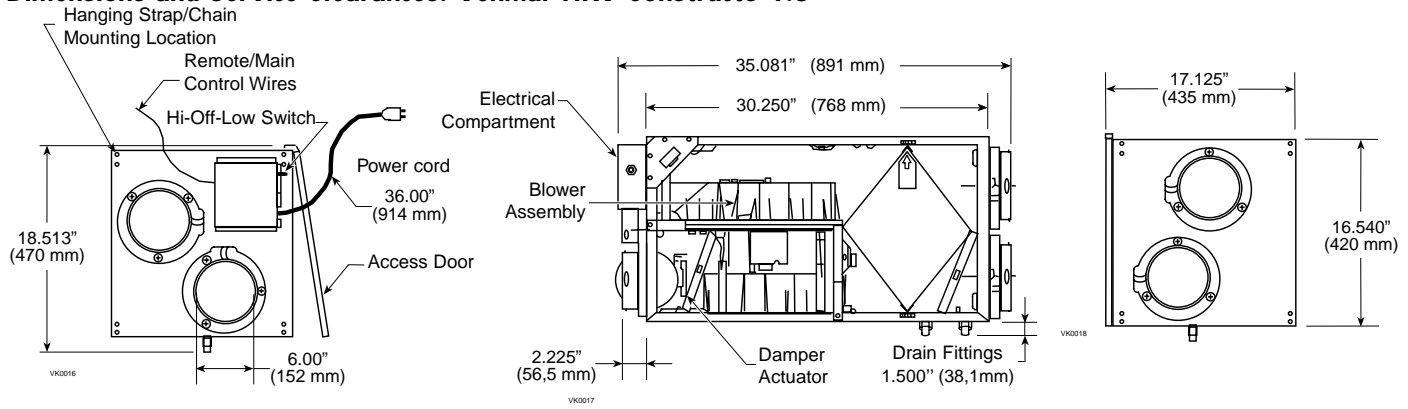
Heat Recovery Core

Dimensions: 12" x 14" x 15-1/2" (30.5 cm x 35.5 x 39.4 cm)
Exchange surface: 102 ft² (9.5 m²)
Weight: 6.2 lbs (2.8 kg)
Material: Polypropylene (coroplast)
Type: Crossflow core
Warranty: Lifetime

Requirements and Standards

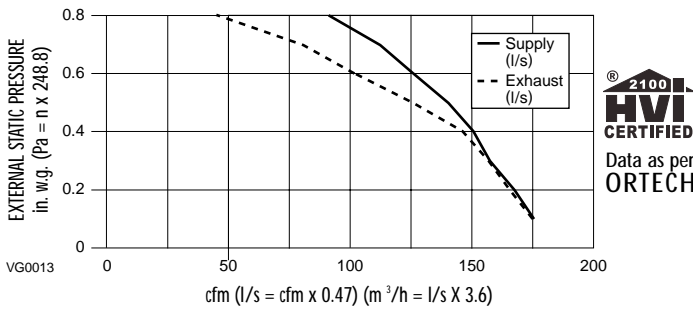
- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators.
- Complies with the CSA C22.2 #113 Standard applicable to ventilators.
- Complies with the CSA C444 requirements regulating the installation of Energy Recovery Ventilators.
- HVI certified.
- Technical data was obtained from published results of tests relating to CSA C439 Standards.

Dimensions and Service Clearances: Venmar HRV Constructo 1.5



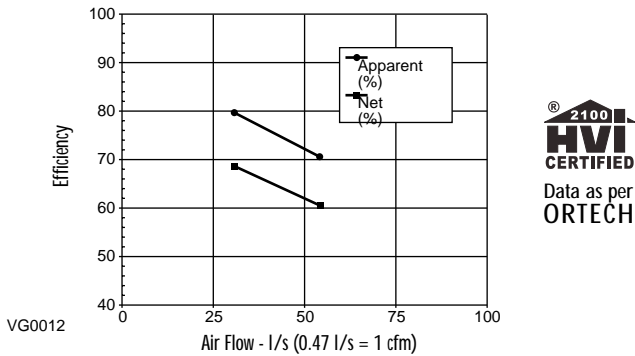
Ventilation Performance

EXT STATIC PRESSURE	NET SUPPLY AIR FLOW			GROSS AIR FLOW						
	Pa	in. w.g.	l/s	cfm	m ³ /h	l/s	cfm	m ³ /h	l/s	cfm
25	.1	83	175	299	83	176	299	82	175	295
50	.2	79	168	285	80	169	288	78	165	281
75	.3	75	159	270	75	159	270	75	158	270
100	.4	71	150	256	71	151	256	69	146	248
125	.5	64	136	230	64	136	230	60	127	216
150	.6	59	126	214	60	127	216	49	103	173
175	.7	53	113	192	53	113	192	38	80	136
200	.8	43	91	155	43	91	155	21	45	76



Energy Performance

SUPPLY TEMPERATURE		NET AIR FLOW	POWER CONSUMED	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	LATENT RECOVERY/MOISTURE TRANSFER		
C°	F°							
HEATING								
0	+32	31	66	112	85	69	81	0.01
0	+32	56	119	202	124	60	70	0.01
0	+32	---	---	---	---	---	---	---
-25	-13	37	78	133	114	62	80	0.08
-25	-13	---	---	---	---	---	---	---
COOLING								
TOTAL RECOVERY EFFICIENCY								
+35	+95	---	---	---	---	---	---	Not tested
+35	+95	---	---	---	---	---	---	---



Specifications and Ratings

- Model: Venmar Constructo 1.5
- Part Number #43110 Canada, #1601602 U.S., #43119 Int.
- Total Assembled Weight: 65 lbs (30 Kg)
- Supply Air Duct Connections: 6" (15.24 cm) diameter
- Exhaust Air Duct Connections: 6" (15.24 cm) diameter
- Drains: 1/2" (1.2 cm) fittings
- Filters: 15 ppi washable reticulated foam -15.375" x 7.125" x 0.75" (39 x 18 x 1.9 cm)
- Cabinet: 20 ga. pre-painted steel
- Insulation: 1" (2.54 cm) aluminium foil faced fiberglass, 0.825" (2.10 cm) expanded polystyrene

- Mounting: Chain and hardware provided to suspend unit
- Supply & Exhaust Blower Motor: 1 motor
 - Protection type: Thermally protected
 - Insulation class: B
 - V (motor marking): 120 V ac, 50/60 Hz, 1.2/1.0 A, 1050/1300/1660 RPM
- Fan Speed Control: -Low, increased low & high speed. -Two speeds available to user. -Low or increased low speed is selected at the time of installation.

- Heat Recovery Core:
 - Heat Exchange Surface Area: 102 ft² (9,5 m²)
 - Type/Material: Crossflow / Polypropylene
- Unit Electrical Characteristics:

	Volts	Freq	Amperes	Watts	IP
Canada/US	120	60 Hz	1.3	150	-
Int. units	100	50/60 Hz	1.4/1.5	120/141	20
"	120	50/60 Hz	1.2/1.3	123/143	20
"	230-240	50/60 Hz	0.7/0.6	135/149	20

NOTE: All specifications are subjected to change without notice.

Submitted by:		Date:	Project:
Qty:	Model #:	Remarks:	Location:
			Architect:
			Engineer:
			Contractor:



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