



Bronze Series

HEAT RECOVERY VENTILATOR

vänEE 190H Part #1601608

128 to 208 cfm (0.3 in. w.g.)
117 to 189 cfm (0.4 in. w.g.)



VB0023

BRONZE SERIES: PERFECT FOR NEW RESIDENTIAL CONSTRUCTIONS

Affordability is a priority for the homebuilder who wants to offer a healthy indoor air quality. The Bronze Series is a 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 Bronze Series HRVs produces 10 dB less than any unit in its category, and therefore provides the quietest operation.

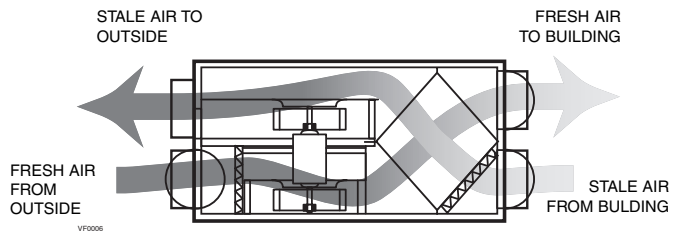
- **The Silent operation system,** a unique design which allows the motor, located at the exhaust ports, to blow air into the house through an integrated silencer in the unit.
- **The motor** is mounted in the center of the unit to avoid any vibration.

Available at:

Controls and Options

- Built-in electronic circuit board ready to receive one of the following main controls:
 - Humidity Control #200694
 - Bronze Control #40250
- One of the following optional controls can be added:
 - 20-min. lighted push button #1806110
 - 60-min. mechanical timer #00910
- Complete line of registers and diffusers
- Electric duct heater
- Integrated furnace interlock relay

Airflow During Air Exchange



No Negative Pressure Defrost

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

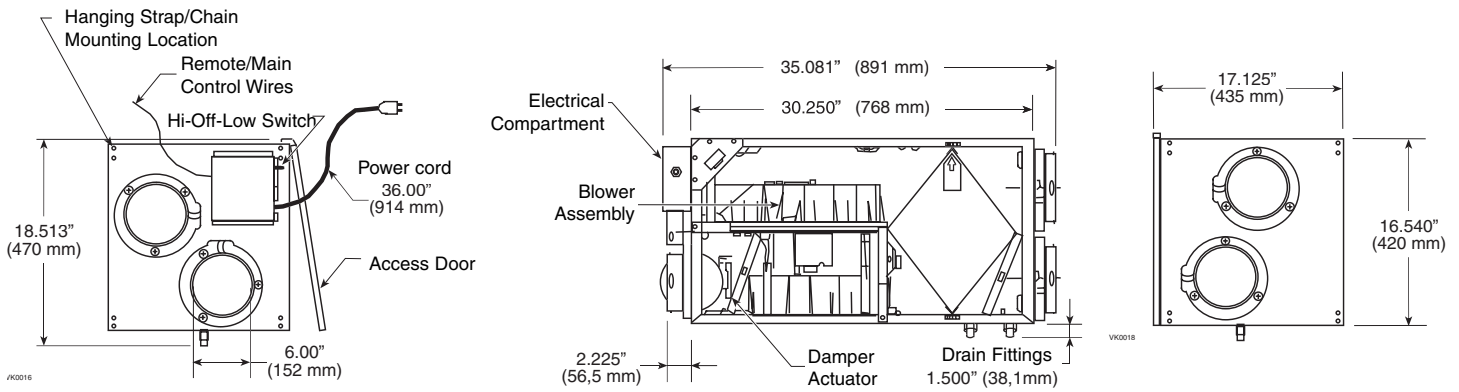
Heat Recovery Core

Dimensions: 12" x 14" x 15-1/2" (30.5 x 35.6 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

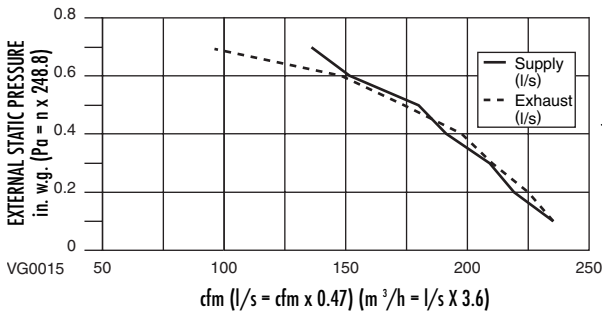
- Complies with the CSA C22.2 # 113 Standard applicable to ventilators.
- Complies with CSA F326 requirements regulating the installation of Heat Recovery Ventilators.
- HVI certified.
- Technical data was obtained from published results of tests relating to CSA C439 Standards.

Dimensions and Service Clearances: vänEE 190H



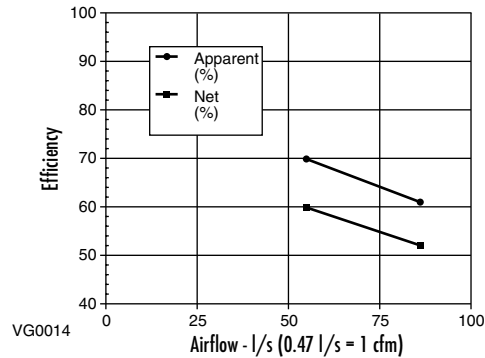
Ventilation Performance

EXT STATIC PRESSURE	NET SUPPLY AIR FLOW			GROSS AIR FLOW							
	Pa	in. w.g.	l/s	cfm	m ³ /h	SUPPLY		EXHAUST			
						l/s	cfm	m ³ /h	l/s	cfm	m ³ /h
25	.1	110	234	398	112	237	403	112	237	403	
50	.2	104	219	372	105	223	379	106	225	382	
75	.3	98	208	353	100	211	359	99	210	357	
100	.4	89	189	321	91	192	326	91	193	328	
125	.5	84	177	301	85	180	306	82	174	296	
150	.6	71	151	256	72	153	260	71	149	253	
175	.7	64	136	231	65	138	234	44	94	160	



Energy Performance

SUPPLY TEMPERATURE °C	TEMPERATURE °F	NET AIR FLOW			POWER CONSUMED WATTS	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	LATENT RECOVERY/MOISTURE TRANSFER
		l/s	cfm	m ³ /h				
HEATING								
0	+32	56	119	202	124	60	70	-0.01
0	+32	86	182	310	197	53	62	-0.01
0	+32	--	--	--	--	--	--	--
-25	-13	37	78	133	114	62	80	0.08
-25	-13	--	--	--	--	--	--	--
COOLING								
+35	+95	--	--	--	--	TOTAL RECOVERY EFFICIENCY		
+35	+95	--	--	--	--	Not tested		



Specifications and Ratings

- Model: vänEE 190H
- Part Number #1601608
- Total Assembled Weight: 67 lbs (30.5 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: 1.00" (2.54 cm) aluminum foil faced fiberglass, 0.825" (2,10 cm) expanded polystyrene

- Mounting: Chain and hardware are provided to suspend unit
- Supply & Exhaust Blower Motor: 1 motor
 - Protection type: Thermally protected
 - Insulation class: B
 - V (motor marking): 120Vac, 60 Hz, 1.7 A, 1040/1300/1630 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:
 - Voltage: 120 volts
 - Frequency: 60 Hz
 - Power: 240 watts
 - Current: 2.1 amperes



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



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