



VENMAR AVS SOLO 2.0

Part no. 45720 Canada

Part no. 45725 U.S.A.

117 to 189 CFM (0.4 in. w.g.)



VB0091

THE "EXCESS MOISTURE" SYSTEM; WHEN ALL THE SIGNS POINT TO EXCESS HUMIDITY

The dramatic strength of the AVS SOLO is its ability to help control humidity and window condensation during the colder season. Customers benefit from clean, fresh air in a more comfortable environment, while optimizing energy efficiency and protecting their homes.

- Reversible unit installation
- Improved standard filter performance
- Unique pan design, easy to clean and maintain
- Integrated balancing dampers and pressure taps
- Crossflow heat recovery core
- Exclusive HomeShield™ patented defrost system
- SilentSure™ operation
- PSC motor

REPAIRS AND MAINTENANCE

All parts of the AVS SOLO can be removed in less than five minutes, allowing direct access for easy repairs. The low power consumption PSC motor is permanently lubricated. Even better, the entire motor assembly can be removed in less than a minute for easier maintenance. Finally, the electronic circuit board eliminates electromechanical parts, reducing repair time to a minimum.

WARRANTY

The AVS SOLO units are protected by a complete 5-year warranty on all parts. The heat recovery core is covered by a limited lifetime warranty, with the original proof of purchase.

Available at:

HEAT RECOVERY VENTILATOR

Controls

- Our main control Altitude (no. 40440) allows you to manage your ventilation with a programmable mode. This control also features our fully automated optimizer mode called the Smart mode.
- The following main controls are also available:
 - Deco-Touch digital control no. 40395
 - Venta no. 40310
- One or more of the following optional controls can be added:
 - Dehumidistat no. 11297
 - 60-minute mechanical timer no. 0910
 - 20/40/60-minute push button no. 03364

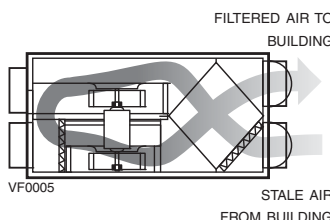
Options

- Complete line of registers and diffusers
- Electric duct heater
- Filters:
 - Charcoal no. 03315
 - Pleated no. 03316
 - Electronic no. 03314

Homeshield™ Defrosting System

The AVS SOLO uses a unique 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 DEFROSTING MIN./ OPERATING MIN.
°C	°F	
WARMER THAN -5	WARMER THAN 23	No DEFROST
-5 TO -15	23 TO 5	6/60
-15 TO -27	5 TO -19	6/32
-27 & LESS	-19 & LESS	6/20



Heat Recovery Core

Dimensions: 12" x 14" x 15½" (31 cm x 36 cm x 40 cm)

Exchange surface: 102 ft² (9.54 m²)

Weight: 6.2 lb (2.8 kg)

Material: Polypropylene

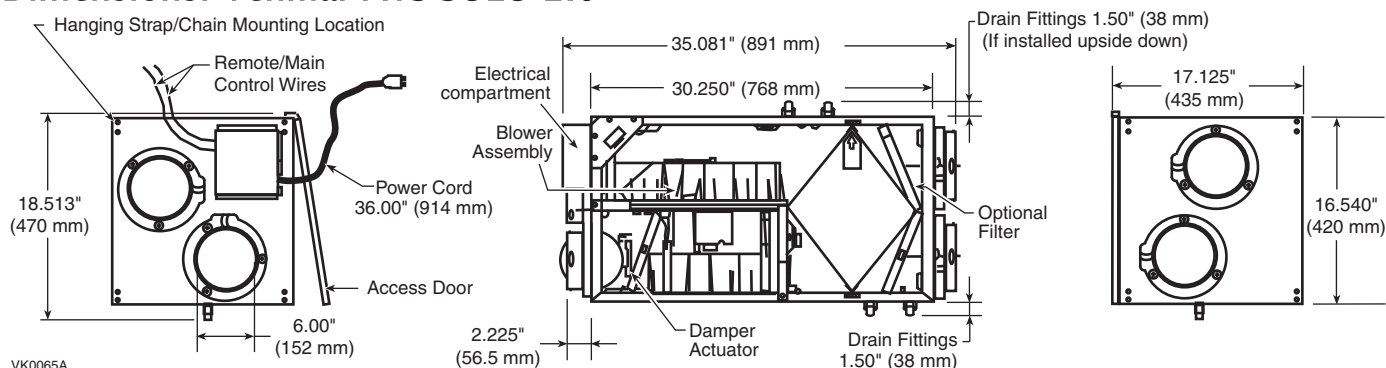
Type: Crossflow core

Warranty: Limited lifetime

Requirements and Standards

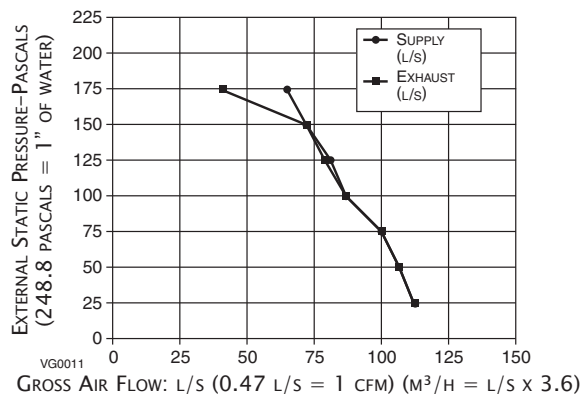
- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 no. 113 Standard applicable to ventilators
- Complies with the CSA F326 requirements regulating the installation of Heat Recovery Ventilators
- Technical data was obtained from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

Dimensions: Venmar AVS SOLO 2.0



Ventilation Performance

EXT. STATIC PRESSURE		NET SUPPLY AIR FLOW			GROSS AIR FLOW					
					SUPPLY			EXHAUST		
Pa	in. w.g.	l/s	cfm	m³/h	l/s	cfm	m³/h	l/s	cfm	m³/h
25	0.1	110	234	396	112	237	403	112	237	403
50	0.2	103	219	374	105	223	378	106	225	382
75	0.3	98	208	353	100	211	360	99	210	356
100	0.4	89	189	320	91	192	328	91	193	328
125	0.5	84	177	302	85	180	306	82	174	295
150	0.6	71	151	256	72	153	259	70	149	256
175	0.7	64	136	230	65	138	234	44	94	158



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	M³/H				
HEATING								
0	32	31	66	112	85	69	81	-0.01
0	32	56	119	202	124	60	70	-0.01
0	32	86	182	210	197	53	62	-0.01
-25	-13	34	72	122	114	62	80	0.08
COOLING						TOTAL RECOVERY EFFICIENCY		
+35	+95					NOT TESTED		

NOTE: All specifications are subject to change without notice.

Specifications and Ratings

- Model: AVS SOLO 2.0
- Part nos.: 45720 Canada, 45725 U.S.A.
- Total assembled weight including polypropylene core : 67 lb (30.4 Kg)
- Supply and Exhaust air duct connections: 6" (15.24 cm) diameter
- Drains: 1/2" (1.2 cm) fittings with 10 ft (3 m) PVC drain
- Filters: 20 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: 1" (2.54 cm) aluminum foil faced fiberglass, 0.825" (2.10 cm) expanded polystyrene
- Mounting: Suspension by chains and springs
- Supply and Exhaust blower motor: 1 motor
 - Protection type: Thermally protected
 - Insulation class: B
- Fan Speed Control:
 - Low or increased low & high speed
 - Two speeds available for the user
 - Low or increased low speed is selected at the time of installation
- Heat Recovery Core:
 - Heat Exchange Surface Area: 102 ft² (9.54 m²)
 - Type/material: Crossflow/polypropylene
- Unit electrical characteristics:

Volts	Freq	Amperes	Watts
120	60 Hz	2.1	240

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



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www.venmar.ca

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