

VE70200SFP

SIDE PORT ERV (70-200 CFM)

CLEAN COMFORT™

INDOOR AIR ESSENTIALS

Clean Comfort's VE70200SFP is an Energy Recovery Ventilator designed for higher static pressure applications. The unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. The energy recovery core at the center of the unit transfers heat and moisture from incoming air to the outgoing air that was cooled and dried by the building's air conditioner.

Features

- Fans with backward curved blade
- Electrostatic filters (washable)
- ERV core transfers both heat and humidity
- Anti-microbial material
- Withstands freezing
- AHRI certified
- Removable screw terminal for easy connection with external access
- Lightweight 57 lbs (26Kg)
- Multiple speed operation

Optional Controls

- STS 2.0 Programmable touch screen wall control
- VHP-DC15P Electronic multi-function dehumidistat
- VHP-TC10P Multi-function controller
- VHP-T3P Pushbutton timer 20/40/60 minutes
- VHP-RD1 Dehumidistat

Specifications

- Duct size – 6" (152 mm)
- Voltage/Phase – 120/1
- Power rated – 168 W
- Amp – 1.4 A
- Average airflow – 200 cfm (94 L/s) @ 0.4" P_s (100Pa)

Fans

Two (2) factory-balanced fans with backward curved blades. Motors come with permanently lubricated, sealed ball-bearings to guarantee long life and maintenance-free operation.

Energy Recovery Core

Energy recovery certified core made from water vapor transport durable polymer membrane that is highly permeable to humidity. The ERV core is freeze tolerant and water washable. Core dimensions are 12" x 12" (305 x 305 mm) with a 15" (381 mm) depth.

Defrost

A preset defrost sequence is activated at an outdoor air temperature of 14°F (-10°C) and lower. During the defrost sequence, the supply blower shuts down & the exhaust blower switches into high speed to maximize the effectiveness of the defrost strategy. The unit then returns to normal operation, and continues cycle.



Serviceability

Core, filters, fans and drain pan can be easily accessed through latched door. Core conveniently slides out on our new easy glide core guides. 22" (559 mm) of clearance is recommended for removal of core.

Case

22 gauge galvanized steel cabinet with a pre-painted steel corrosion resistant door.

Insulation

Cabinet is fully insulated with 3/4" (19 mm) high density expanded polystyrene.

Filters

Two (2) washable electrostatic panel type air filters 11.9" (302mm) x 15" (380mm) x 0.125" (3mm).

Controls

External three (3) position (Low/Stand By/Medium) rocker switch that will offer continuous ventilation. Clean Comfort offers a variety of external controls. (see controls)

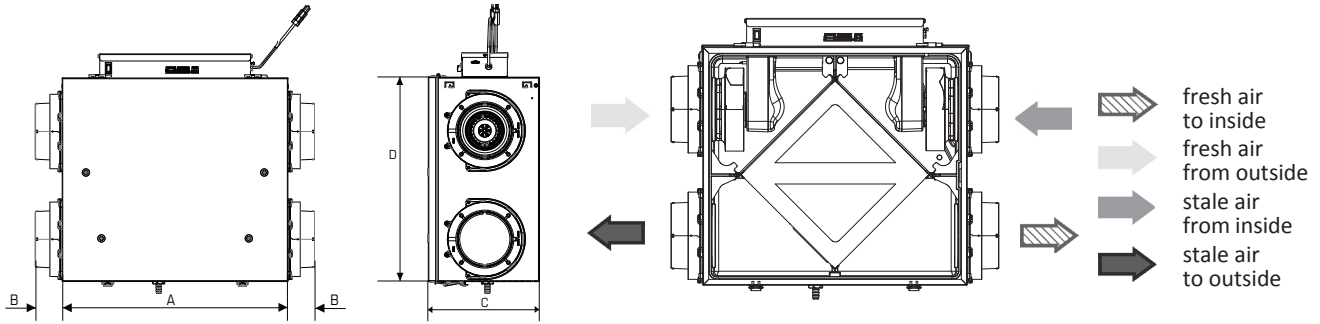
Installation

Unit is typically hung by using installation kit supplied with unit. Mounting chains inserted on hooks located on top four (4) corners of unit. An optional wall bracket is available.

Warranty

5-Years on energy recovery core, 5-Years on motors, and 5-Years on parts.

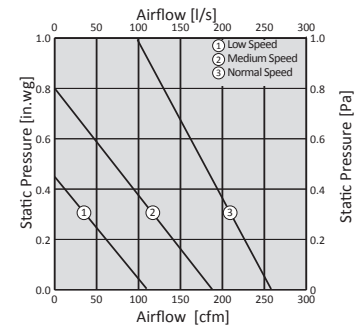
Dimensions & Airflow



Model	A		B		C		D	
	in	mm	in	mm	in	mm	in	mm
VE70200SFP	23 $\frac{3}{8}$	606	29 $\frac{1}{2}$	751	16 $\frac{1}{2}$	423	21 $\frac{7}{16}$	546

Clearance of 22" (559 mm) in front of the unit is recommended for removal of core. All units feature three foot plug-in power cord with 3-prong plug.

Ventilation Performance								
in.wg. (Pa)	0.1 (25)	0.2 (50)	0.3 (75)	0.4 (100)	0.5 (125)	0.6 (150)	0.7 (175)	0.8 (200)
	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)
Net supply airflow	248 (117)	233 (110)	216 (102)	201 (95)	182 (86)	167 (79)	150 (71)	131 (62)
Gross supply airflow	250 (118)	235 (111)	218 (103)	203 (96)	184 (87)	170 (80)	153 (72)	133 (63)
Gross exhaust airflow	248 (117)	229 (108)	214 (101)	197 (93)	182 (86)	165 (78)	146 (69)	131 (62)



Energy performance									
Heating	Supply temperature		Net Airflow		Consumed power	Fan efficacy	Sensible recovery efficiency	Adjusted sensible recovery efficiency	Latent recovery / moisture transfer
	°F	°C	cfm	L/s	W	cfm/W	%	%	
	32	0	66	31	52	1.2	75	81	0.72
	32	0	178	84	115	1.5	67	70	0.55
	-13	-25	66	31	49	1.3	60	63	0.59

Cooling	Supply temperature		Net Airflow		Consumed power	Fan efficacy	TRE recovery efficiency	ATRE sensible recovery efficiency	Latent recovery / moisture transfer
	°F	°C	cfm	L/s	W	W	%	%	
	95	35	64	30	49	1.3	65	68	0.72
	95	35	178	84	120	1.4	55	58	0.61

Requirements and standards

- Complies with the UL 1812 requirements regulating the construction and 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 test relating to CSA C439 Standards



Our continuing commitment to quality products may mean a change in specifications without notice.

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