SOLACE® 1.2H

Heat Recovery Ventilator (HRV)

Product #: 463299

* This product earned the ENERGY STAR® by meeting strict efficiency guidelines set by Natural Resources Canada and the US EPA. It meets ENERGY STAR® requirements only when used in Canada.

SOLACE	1.2	H
Product Name	Approximately 120 CFM @ 0.3 in. wg.	Heat Recovery

Greentek's most efficient series yet! The SOLACE 1.2H is ideal for high-rise apartment applications, condominiums, single and multi family homes. With a completely new design, the SOLACE 1.2H features a Counterflow core, round metal collars, and a high efficiency rating!

Features

- 5 in. (125mm) round metal duct connections with rubberized duct seals
- Removable screw terminal for easy connection with external access
- Top port design fits in tight spaces
- Includes wall mounting speed bracket and chains
- Counterflow heat recovery core
- Multiple speed operation
- Internal recirculation defrost
- 41 lbs (18.75 kg) including core

Specifications

- Duct size – 5 in. (125mm) round
- Voltage/Phase – 120/1
- Power rated – 120 W
- Amp – 1.0 A
- Average airflow – 117 CFM (55 L/s) @ 0.3 in. wg (75 Pa)

Requirements and standards

- UL 1812
- CSA C22.2 no. 113
- CSA F326
- Technical data was obtained from published results of test relating to CSA C439 Standards
- HVI and ENERGY STAR® certified*

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.

Heat Recovery Core

Counterflow heat recovery exchanger built from thermoformed polymer plates covered by a limited lifetime warranty. Core dimensions are 14.4 in. x 14.4 in. (366 x 366 mm) with a 10 in. (255 mm) depth. Our heat exchangers are designed and manufactured to withstand extreme temperature variations.

Defrost

The unit incorporates a unique and quiet internal recirculation defrost that does not depressurize the home during the defrost cycle. A preset defrost sequence is activated when the outdoor temperature falls below 23° F (-5° C) and automatically adjusts itself based on operating conditions. The fan speed is also adjusted automatically to provide a smooth and quiet transition between Ventilation & Defrost mode.

Serviceability

Core, filters, fans and electronic panel can be accesses easily from the access panel. Core conveniently slides out with only 12 in. (305 mm) clearance.

Duct Connections

5 in. (125 mm) round metal duct connections with rubberrized seal.

Case

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

Insulation

Cabinet is fully insulated with 3/4 in. (20 mm) high density expanded polystyrene.

Filters

Two (2), UL900 certified, washable electrostatic panel type air filters 7.87 in. (200 mm) x 9.84 in. (250 mm) x 0.125 in. (3 mm).

Compatible Controls

Compatible with all Greentek controls.

Balancing and commissioning[1]

Balancing must be completed using the Greentek STS 2.0 Programmable Touch Screen Wall Control.

Installation

This appliance can be wall mounted using the mounting bracket or hung from the ceiling with the hanging chain installation kit.

Warranty

Limited lifetime on counterflow exchanger, 7 year on motors, and 5 year on parts.

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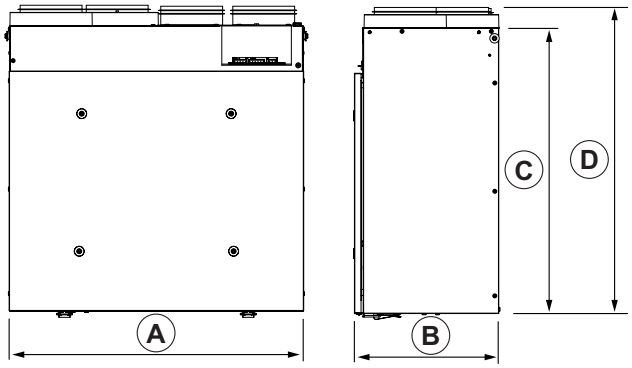
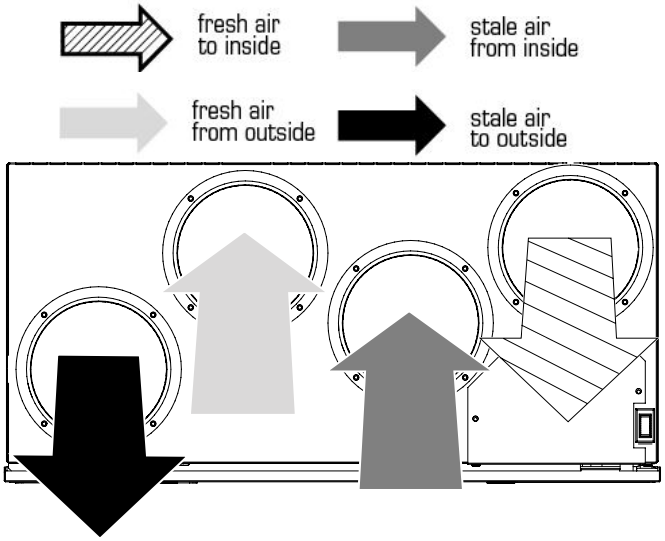
Greentek reserves the right to modify, at any time and without notice, any or all of its products' features, designs, components and specifications to maintain their technological leadership position.

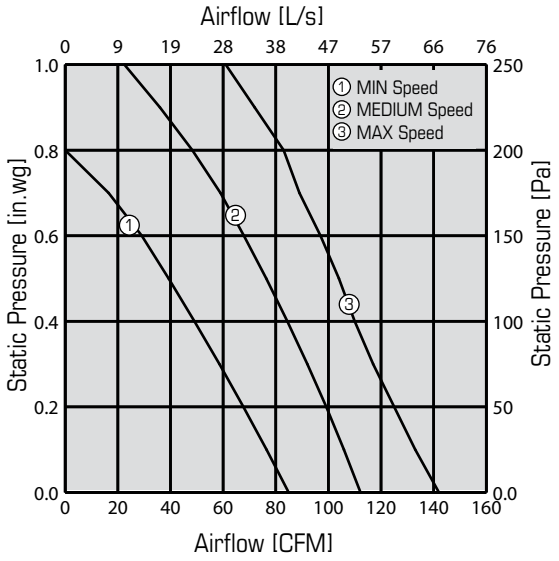
Dimensions & Airflow



A		B		C		D	
in	mm	in	mm	in	mm	in	mm
23 1/4	590	11 1/2	291	22 5/8	575	24 1/4	616

All units feature three foot plug-in power cord with 3-prong plug.





Ventilation Performance

in. wg. (Pa)	0.2 (50)	0.3 (75)	0.4 (100)	0.5 (125)	0.6 (150)	0.7 (175)	0.8 (200)	0.9 (225)	1.0 (250)
	CFM (L/s)	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	125 (59)	117 (55)	110 (52)	104 (49)	97 (46)	89 (42)	83 (39)	72 (34)	61 (29)
Gross supply airflow	127 (60)	119 (56)	112 (53)	106 (50)	97 (46)	91 (43)	83 (39)	74 (35)	61 (29)
Gross exhaust airflow	131 (62)	123 (58)	117 (55)	110 (52)	104 (49)	93 (44)	83 (39)	70 (33)	51 (24)

[1] Balancing Range : 40 CFM (19 L/s) to 140 CFM (66 L/s) if a balanced flow outside the above range is required, please revisit our product offeringsc to ensure a properly sized unit is selected

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	68	32	56	1.2	80	85	0.00
	32	0	97	46	74	1.3	78	83	0.00
	32	0	117	55	90	1.3	76	81	0.00
	-13	-25	72	34	82	0.8	64	67	0.07

Contacts

Submitted by: Date:
Quantity: Model: Project #:
Comments:
Location:
Architect:
Engineer: Contractor:

Distributed by: