OSKHH150R
HRV - Heat Recovery Ventilator with Recirculation

Top Port Model

CSA-C439-18

-25°C
-13°F

Features

Air flow and performance
• Fully adjustable air flow (152 cfm @ 0 in.w.g.).
• 84% sensible recovery effectiveness at 0 °C (32 °F) 30 L/s,
  62% sensible recovery effectiveness at -25 °C (-13 °F) 33 L/s.
• Recirculation defrosts.

Voltage
• 120V, 60Hz, 1.5A, 172W.

Benefit
• Reduce heating demand in winter and cooling demand in summer.
• Whisper-quiet: factory calibrated and balanced.
• Easy installation and maintenance.
• Designed and manufactured in Canada to operate in variable climatic
  conditions.

Construction
• Door and housing in corrosion-resistant galvanized steel,
  24-gauge, pre-painted neutral white.
• Convenient, screwless hinged door.
• Ultra-thin: 14 1/8 in. (359 mm).
• Easy installation: 59.5 lb (27 kg).
• Port size: 5 in. (127 mm).
• Top port model only.
• Merv8 washable filters.

Motor
• Energy-efficient, sealed European motor with closed housing
  and automatic reset thermal protection.
• Balancing without flow keys. 100% electronic adjustment.
  Pressure ports integrated into the door for precise, easy balancing.

Heat recovery core
• Polymer counterflow heat recovery core offers high energy efficiency
  for superior performance.
• Washable in soapy water to recover its full effectiveness without
  deterioration or contamination.

Control/timer
• 2 control choices available:
  - Optional Decora-style wall-mounted control/timer (SA-LT15).
    INTERMITENT (20-40) – CONTINUOUS – OFF – Timer (20-40-60 minutes).
  - Optional digital Decora-style wall-mounted control/timer (SA-LCD15).
    INTERMITENT (20-40) – CONTINUOUS – Humidity – Recirculation – OFF.

Installation
• Can be wall-mounted or suspended.
• Set of nylon suspension straps included for installation.
• Fits into a 24 in. (610 mm) deep wardrobe.
• Removable terminal block for connection to a furnace,
  supplied with the device.

Setting
• Balance the unit using the supplied instruction.
• All the installer needs are the required flow rates, a manometer,
  and 5 minutes to adjust and balance the system.
• Simply specify the air flow rates for LOW SPEED and HIGH SPEED.
• The static pressure of the system should ideally be less than or equal
  to the static pressure indicated by the graph for HIGH SPEED.
• You don't have to worry about static pressure to limit air flow or adding
  flow keys as other devices. All you must do is provide ducting that
  doesn't limit maximum flow, and the unit's adjustments will allow you
  to fine-tune flow rates.

Warranty
• Motor 5-year. Other parts except filters and pre-filters 1-year.
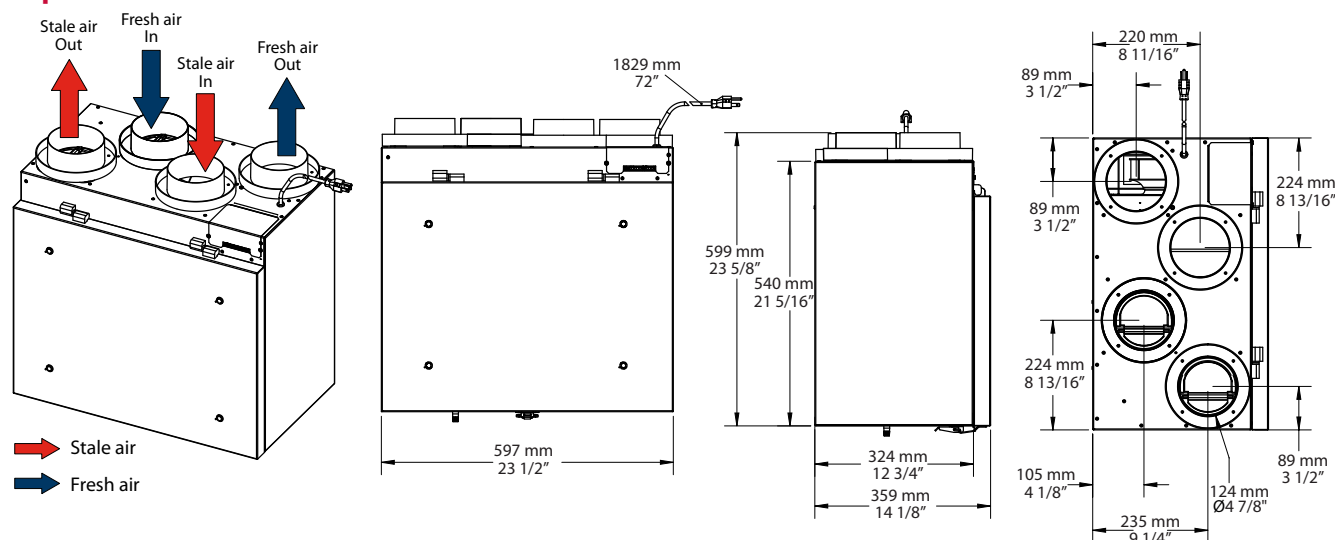
Application
• The ideal solution for high-rise apartments and small to medium-size
  homes.
• The most efficient heat recovery ventilator on the market.
  Ideal for projects requiring very high energy performance to benefit
  from all available credits and subsidies.
• Purifies the air by expelling many pollutants, dust, and allergens to the
  outside, while ensuring an equivalent supply of fresh air in the home.

*Important note: No controls are included with the purchase of an Ventilator.
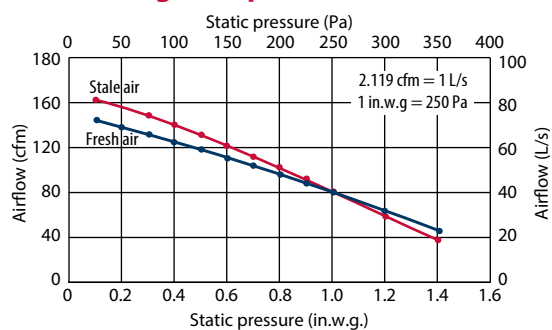SA-LT15 and SA-LCD15 controls must be purchased separate*

OSKHH150R

Top Port Model

Stale air Out
Fresh air In
Stale air In
Fresh air Out

1829 mm 72"

599 mm 23 5/8"
540 mm 21 5/16"

597 mm 23 1/2"

324 mm 12 3/4"
359 mm 14 1/8"

220 mm 8 11/16"
89 mm 3 1/2"
89 mm 3 1/2"
224 mm 8 13/16"
224 mm 8 13/16"
105 mm 4 1/8"
235 mm 9 1/4"
124 mm Ø4 7/8"
89 mm 3 1/2"

Stale air
Fresh air

HRV OSKHH150R
Curves at highest speed

Static pressure (Pa)

2.119 cfm = 1 L/s
1 in.w.g = 250 Pa

Stale air
Fresh air

Airflow (cfm)
Airflow (L/s)

Static pressure (in.w.g.)

Energy ratings - HVI certified

Supply temperature		Air flow		Power	Sensible recovery (SRE)[1]	Adjusted sensible recovery
°C	°F	cfm	L/s	W	%	%
Heating						
0	32	64	30	70	84	93
0	32	96	45	98	81	88
0	32	134	63	134	79	86
-25	-13	70	33	105	62	66

Model

Product #	cfm	Recirculation	SRE[1] 0 °C (32 °F) 30 L/s	SRE[1] -25 °C (-13 °F) 33 L/s	Port		Volts	Hertz	Amp.	Weight	
					in.	mm				lb	kg
HRV Heat recovery ventilator 150 cfm with recirculation and top port											
OSKHH150RT	152	Yes	84%	62%	5	127	120	60	1.5	59.5	27

[1] *SRE: Sensible Recovery Effectiveness.*

Options

Product # Kit	Product # Factory installed*	Description
KIT-OSA-INS-5	-	Basic installation kit for Ventilator, 5 in. ducts
KIT-SA-FI-150	-	Kit of 2 Merv8 filters for 150R air exchanger

* For factory installed options, add the option number to the product number.
*See the **Product Code** section inside the front cover.*

Controls (sold separately)

Product #	Description
SA-LT15[2]	Decora-style wall-mounted control/timer for residential Ventilators
SA-LCD15[2]	Digital Decora-style wall-mounted control/timer for residential Ventilators

[2] *Must be purchased separately.*

SA-LT15
SA-LCD15