Fresh Air Systems - 230 CFM

HRV

Side ports: B230H75RS

65 to 225 CFM @ 0.4 in. w.g.
65 to 218 CFM @ 0.6 in. w.g.

Parts/Motor

HRV Core

Visit Broan-NuTone.com for complete warranty text.

The industry's most advanced residential fresh air system, created to offer a universal platform specifically designed and improved to make contractors life easier and more profitable while delivering constant superior air quality.

- Thanks to the VIRTUO™ technology, the airflow calibration and auto-balancing are achieved quickly and maintained throughout the life of the product
- Select the desired CFM using the proven integrated LCD screen
- Integrated electronic airflow measurement device with real time LCD
- Integrated diagnostic tool
- Equipped with PMSM ECM motors for energy efficient operation
- Suspended installation (chains included)
  OR
- Wall-mount installation (universal brackets included)
  - installation with 2 brackets
  - installation with 4 brackets

Unit Description

- SRE of 75% at 32°F and 67% at -13°F (81 CFM)
- SRE of 78% at 32°F (66 CFM)
- Ports size: 6"
- Recirculation defrost
- Corrosion resistant galvanized steel door and cabinet
- One-piece molded insulation shell, no air leakage (expanded polystyrene; UL 94 HF-1 certified)
- VIRTUO™ constant airflow and auto-balancing device (patent pending)
- Motorized dampers (no additional backdraft dampers required)
- Integrated "snap-in" drain system installed in seconds with no additional parts (drain hose included)
- Recirculate air within the dwelling with recirculation mode using a main wall control
- 6' power cord
- Unit electrical characteristics:
  120 volts, 60 Hz, 3.6 A, 270 W
- For residential indoor installation only

Controls

AUTOMATIC

SPEED SELECTOR

ADVANCED TOUCHSCREEN

BOOST OVERRIDE

There are 4 optional main controls and 2 optional auxiliary controls available. Refer to Wall Control specification sheet for more information.

Core

- Polypropylene crossflow core, impact resistant

Filters

- MERV 8 grade washable standard filter (included)
- Optional MERV 13 grade filter part no. V24300[1]

Options

- Indoor and outdoor terminations

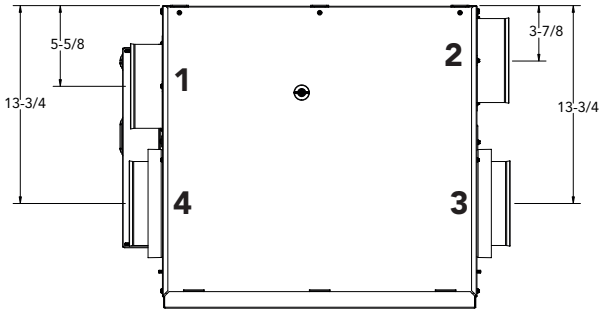
[1]Airflow performances associated with MERV 13 optional filter are not HVI certified. However, from tests performed by the manufacturer, such performances are not affected by the use of this filter.

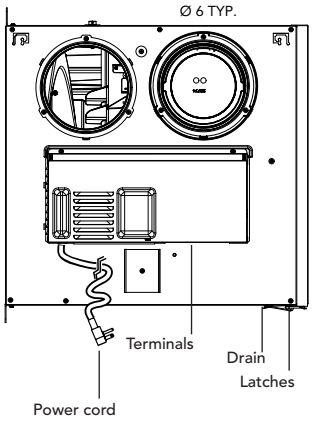
PRODUCT SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

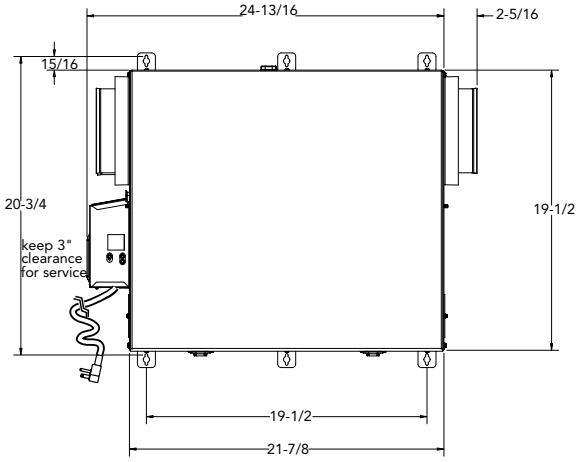
6" Ports Dimensions

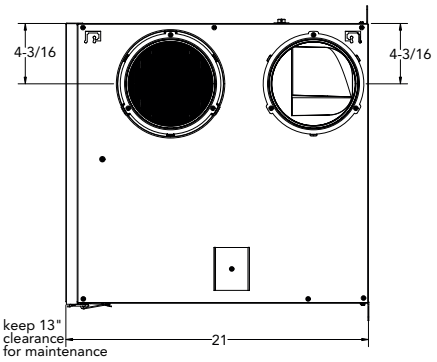
1 - Exhaust air from building
2 - Fresh air to building
3 - Exhaust air to outside
4 - Fresh air from outside

Total assembled weight: approx 47 lbs (21.4 kg) (core included)
Shipping weight: approx 55 lbs (25 kg)





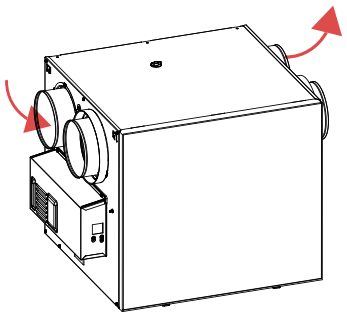




Dimensions shown in inches

Defrost System

Homeshield™ Defrosting System
Defrost is activated at a temperature of 23°F and lower. No negative pressure is created by air exhausted to the outdoors since the air is recirculated into the house, helping to prevent any backdraft.

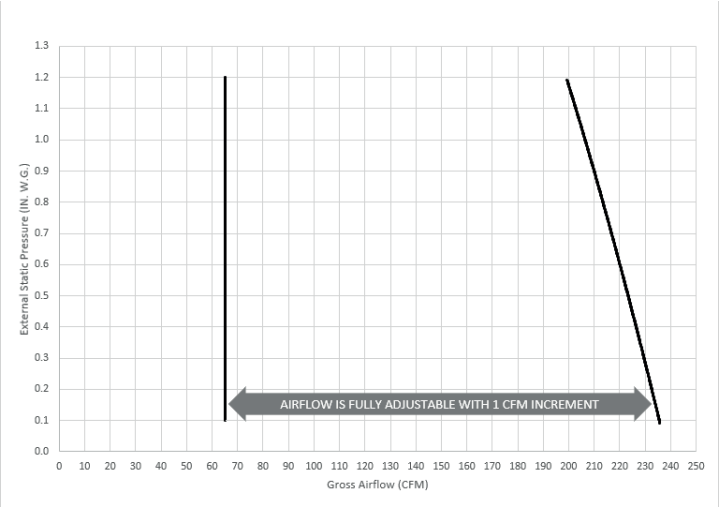


Fan Curves with VIRTUO™

Thanks to VIRTUO™ technology, there is no need to balance the unit manually. Both PMSM ECM motors are controlled by artificial intelligence performing 120 readings per minute then processing this information to maintain the requested airflow.

For typical installation, VIRTUO™ will ensure balanced ventilation at every selected speed regardless of the weather conditions, the type of connection, the variable speed furnace/AHU, the stack effect, the filter clogging and so on. This results in peace of mind for installers and users knowing that the unit will always remain balanced and that it will maintain its maximum heat/energy recovery efficiency.

Static Pressure (Pa)	Static Pressure (in. w.g.)	Net Supply Airflow (L/s)	Net Supply Airflow (cfm)	Gross Airflow Supply (L/s)	Gross Airflow Supply (cfm)	Gross Airflow Exhaust (L/s)	Gross Airflow Exhaust (cfm)
25	0.1	110	233	111	235	111	235
50	0.2	109	231	110	233	110	233
75	0.3	107	227	108	229	108	229
100	0.4	106	225	107	227	107	227
125	0.5	104	220	105	222	105	222
150	0.6	103	218	104	220	104	220
175	0.7	102	216	102	216	102	216
200	0.8	100	212	101	214	101	214
225	0.9	99	210	99	210	99	210
250	1.0	97	206	98	208	98	208
275	1.1	94	199	95	201	95	201
300	1.2	93	197	94	199	94	199



Energy Performance

Supply Temperature		Net Airflow		Power Consumed Watts	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency	Apparent Sensible Effectiveness*
°C	°F	L/s	cfm				
Heating							
0	32	31	66	25	78%	80%	82%
0	32	38	81	34	75%	77%	79%
0	32	76	161	133	67%	72%	73%
-25	-13	38	81	51	67%	69%	80%

*Data not certified by HVI.

Requirements and Standards

- UL 1812 compliant (safety)
- Performance tested in accordance with CSA C439 Standard
- Compliant with Prop 65
- Can be used to comply with California Title 24 2019 Part 6 Fault Indicator Display Requirements
- Can be used to earn WA energy code credits

Project:	Remarks
Location:	
Part no.:	
Qty.:	
Submitted by: Date:	