



FRESH AIR SYSTEMS
BETTER AIR. BETTER LIFE.

ENERGY & HEAT RECOVERY VENTILATORS

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WHY INDOOR AIR QUALITY IS IMPORTANT TO YOU.

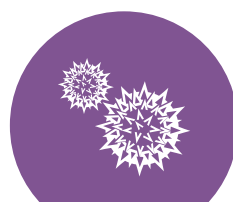
Consider this, according to the EPA (epa.gov), indoor air quality is five times worse than outdoor air quality. Most homeowners know that indoor air quality is important, but not all recognize what contributes to poor indoor air quality, the potential effects and harm, and how to address these problems. Broan is here to help. For more than 85 years, Broan has led the industry with residential ventilation solutions that improve indoor air quality and provide healthier home environments.

Moisture that is not properly ventilated can cause mildew and mold formation, which can potentially lead to structural problems and health problems. Exhaust ventilation solutions from Broan remove humidity at the source to help maintain the optimal humidity balance of 40 to 60 percent.

Off-gassing from construction materials, carpeting, adhesives and synthetic materials—as well as solvents from common household cleaners—can accumulate in tightly built homes. Look to Broan for continuous ventilation solutions that meet ASHRAE 62.2.

Particulates from dust, allergens, pet dander, and more can contribute to poor indoor air quality up to 100 times dirtier than outside air. With a properly ventilated home, you create a more enjoyable, comfortable and healthier environment.

Cooking effluents from food preparation can infiltrate the whole house in minutes. Grease, oils and aromas settle permanently into carpets, furniture, clothing and other surfaces. Kitchen ventilation solutions help eliminate cooking effluents for a cleaner, more comfortable and healthier environment.



WHEN YOUR HOME BREATHES YOU BREATHE EASIER TOO.

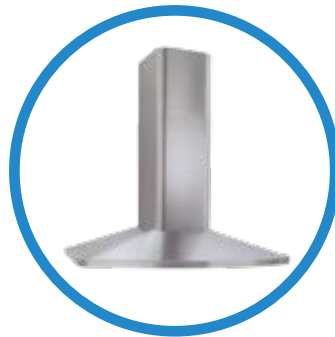
BROAN CAN IMPROVE INDOOR AIR QUALITY IN EVERY ROOM OF THE HOME.

From clearing humidity in the bathroom to removing heat, steam and airborne effluents in the kitchen. From whole-house HEPA air filtration and balanced fresh air exchange solutions to attic ventilation. From the family room to the master bedroom and in every room in between, no company knows residential and light commercial ventilation like Broan. After countless innovations and a commitment to indoor air quality, trust Broan to clear up every concern.



EXHAUST VENTILATION

removes excess moisture and odor from any room in the home, and can also provide continuous, whole-house ventilation.



KITCHEN VENTILATION

expels cooking effluents from food preparation to eliminate airborne pollutants from spreading through the entire house.



FRESH AIR SYSTEMS

efficiently exchange inside air with fresh outside air, and remove airborne particulates with HEPA filtration.

DID YOU KNOW?*

Knowing the facts goes a long way toward a healthier indoor environment:

Just **46%** recognize not having a bathroom fan has a negative impact on indoor air quality—only 42% recognize that a lack of a range hood also has a negative impact.

60% have a fan in each bathroom but only one in five let it run for 10 minutes after showering.

Some homeowners don't recognize the causes of poor indoor air quality:

Only **42%** are concerned about moisture that causes mold or mildew.

Only **33%** know food aromas after preparation is an indicator of poor IAQ.

81% don't know that a foggy mirror means poor IAQ.

Most homeowners are tuned in to residential Indoor Air Quality concerns:

60% know that indoor air quality has a greater impact on their health than outdoor air quality.

90% realize poor indoor air quality contributes to certain health issues and that healthy air helps prevent illness.

WHEN DO YOU WANT FRESH AIR IN YOUR HOME?

We want fresh air always and in every room of our homes, of course. Broan fresh air systems are the centerpiece of today's tightly constructed, energy-efficient homes, providing a continuous supply of fresh air to improve indoor air quality and overall home comfort.

FRESH AIR WHEREVER YOU LIVE

Most essential to providing fresh air to your home is properly managing incoming and outgoing air for your climate conditions, seasons, temperature and humidity levels. If not managed efficiently, indoor air quality, energy bills and overall home comfort can suffer. All Broan Energy Recovery Ventilators (ERVs) and Heat Recovery Ventilators (HRVs) feature exclusive Venmar®

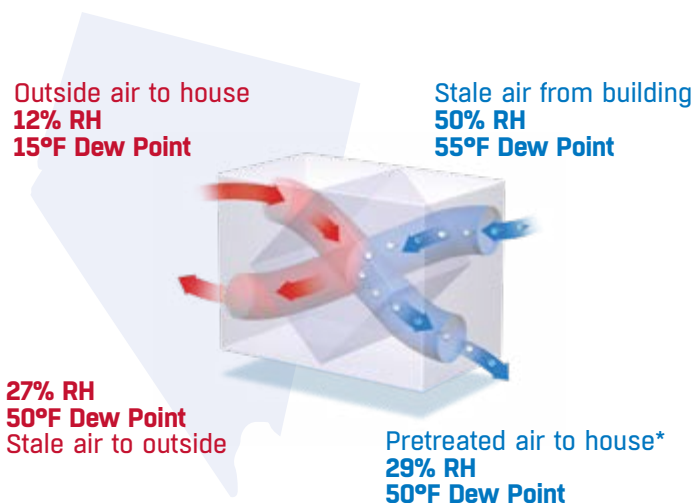
Core Technology engineered for all seasons and climate conditions. These fresh air systems exchange stale indoor air and pollutants for fresh, filtered air from outside, and Venmar® Core Technology efficiently manages the air exchange to maintain comfortable temperature and humidity levels. The result—fresh air and improved home comfort wherever you live.

IF MANAGING HUMIDITY AND TEMPERATURE IS MOST ESSENTIAL WHEREVER YOU LIVE

Broan ERVs with Venmar® Core Technology limit the humidity entering and exiting the home to maintain comfortable relative humidity (RH) levels; and these fresh air systems inhibit extreme air temperatures from entering the home to maintain comfortable indoor air temperatures.

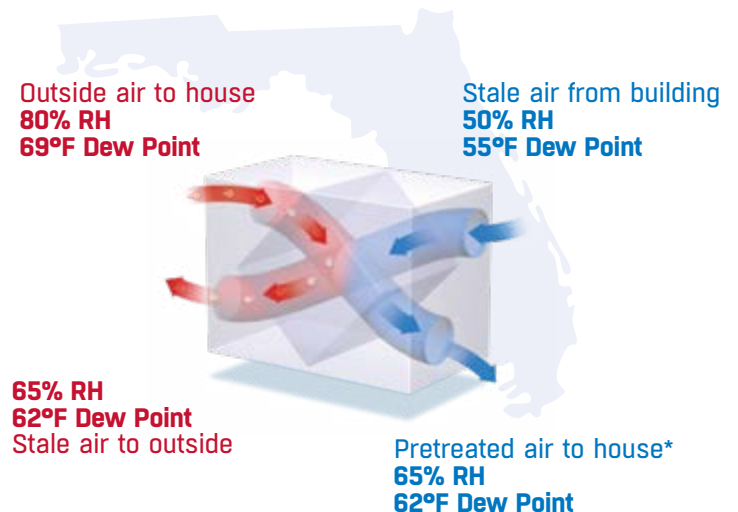
DRY CLIMATE

Las Vegas, Nevada



HUMID CLIMATE

Orlando, Florida



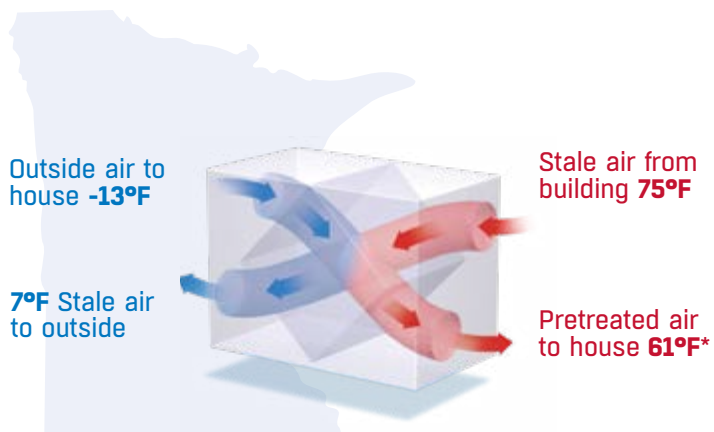
*Based on the latent recovery performance of the Broan ERV100 model.



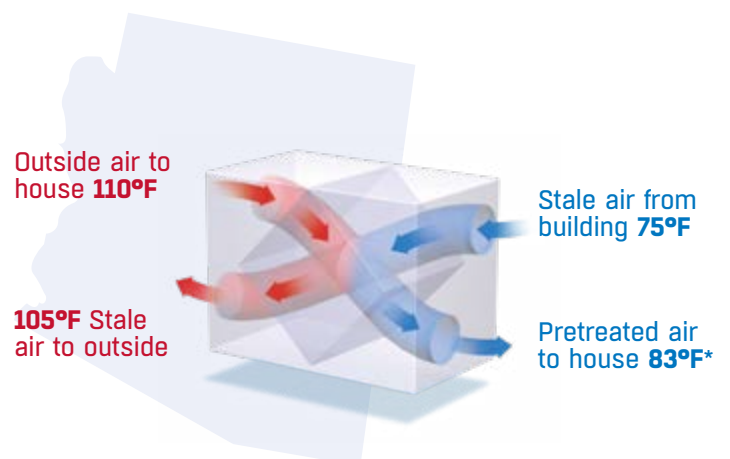
IF MANAGING TEMPERATURE IS MOST ESSENTIAL WHEREVER YOU LIVE

Broan HRVs and ERVs with Venmar® Core Technology inhibit extreme air temperatures from entering the home to maintain comfortable indoor air temperatures.

HEATING SEASON Minneapolis, Minnesota



COOLING SEASON Phoenix, Arizona



*Based on the latent recovery performance of the Broan ERV100 model.

BROAN KNOWS TODAY'S STRINGENT VENTILATION CODES AND STANDARDS.

GO ABOVE AND BEYOND WITH BROAN FRESH AIR SYSTEMS

To improve home energy efficiency and HERS® scores as measured by the Home Energy Rating System Index beyond code-minimum requirements, choose Broan Energy Recovery Ventilators (ERVs) and Heat Recovery Ventilators (HRVs) featuring Venmar® Core Technology. For example:

Save up to \$100

in annual home operating expenses by selecting a Broan HRV for Dwelling Unit Ventilation requirements instead of a code-minimum exhaust fan*

Save up to 4 HERS points

by selecting a Broan HRV or ERV for Dwelling Unit Ventilation requirements instead of a code-minimum exhaust fan*

Save up to 10 HERS points

by selecting a Broan ERV in a hot or temperate climate instead of a central fan integrated system*

SELECTING THE PROPER WHOLE-HOUSE RESIDENTIAL VENTILATION SOLUTION.

Sizing your solution is a factor of square footage and the number of bedrooms in the dwelling to meet requirements. These charts are based on ASHRAE 62.2. Note that the 2010 and 2013 versions are different. Most states still operate under 62.2-2010 rates. Before specifying, check local building codes to verify ventilation requirements.

ASHRAE 62.2-2010 Required Continuous Ventilation Rate (CFM)

Floor Area Sq. Ft.	0-1 BR	2-3 BR	4-5 BR	6-7 BR	>7 BR
<1500	30	45	60	75	90
1501-3000	45	60	75	90	105
3001-4500	60	75	90	105	120
4501-6000	75	90	105	120	135
6001-7500	90	105	120	135	150
>7500	105	120	135	150	165

ASHRAE 62.2-2013 Required Continuous Ventilation Rate (CFM)

Floor Area Sq. Ft.	0-1 BR	2-3 BR	4-5 BR	6-7 BR	>7 BR
<500	30	40	45	55	60
500-1000	45	55	60	70	75
1001-1500	60	70	70	85	90
1501-2000	75	85	90	100	105
2001-2500	90	100	105	115	120
2501-3000	105	115	120	130	135
3001-3500	120	130	135	145	150
>3501	135	145	150	160	165

AN ALTERNATIVE FORMULA APPROACH TO THE TABLES GIVEN ABOVE.

An alternative formula approach to the tables given above also exists and typically results in a lower, more precise CFM requirement. Under the more common 62.2-2010 version, continuous CFM requirements can be calculated using a formula as follows.
 $CFM = .01 \times \text{floor area (in square feet)} + 7.5 \times (\text{number of bedrooms} + 1).$

Example: A 3,500 square foot home with 4 bedrooms would require 73 CFM
 $.01 \times 3,500 = 35$
 $7.5 \times (4+1) = 38$
Add together for a total of 73 CFM
(as compared to the 90 from the above table).

The 62.2-2013 version increases the multiplier for floor area from .01 to .03. Note however that infiltration credits can be taken if blower door testing is conducted.

*Based on software calculations and analysis conducted by Broan.

INSTALLING BROAN FRESH AIR SYSTEMS

Broan® fresh air systems integrate easily with existing forced-air furnace systems, or install independently using fully ducted systems. Homeowners will enjoy exceptional ventilation delivered to every room; not just select areas. Whatever the installation or ventilation requirement, Broan solutions ensure proper ventilation and better indoor air quality.

1. Specify the system type (ERV, HRV) for fresh air and improved home comfort wherever you live.

2. Select the product series that delivers air flow, recovery and filtration performance to meet any applicable regulatory requirements.

3. Identify the product form and fit for the application and for available space to install the unit.



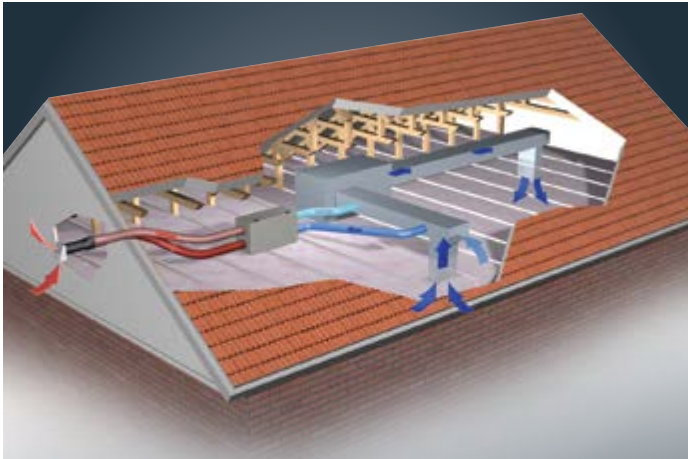
FULLY DUCTED SYSTEM*

Primarily for homes with radiant flooring, hot water or electric baseboard heating. Effective because unit captures pollutants at the source and distributes fresh air to living areas.



SIMPLIFIED*

For homes with forced air heating systems or air handlers. Easy to install using existing furnace or air handler ducting.



ATTIC INSTALLATION*

For Southern States

Depending on your geographical location, an attic installation is possible as long as the temperature is maintained above 10°C (50°F) at all times. Refer to installation manual for further details.



EXHAUST DUCTED SYSTEM*

For homes with forced air heating systems or air handlers. Effective because unit captures pollutants at the source.

*The installation may differ from one unit or home to another.

HE SERIES

The HE Series is the ideal whole-house ventilation solution for today’s energy efficient homes. These High Efficiency ventilators combine the best performance in energy recovery, electrical consumption and air filtration.

- High efficiency Venmar® Core Technology recovers up to 88% of the heat
- 50–250 CFM range covers all home sizes
- Optional HEPA filtration on select models captures 99.97% of allergens and other microscopic particles and may reduce symptoms of allergies or respiratory problems
- State-of-the-art ECM motors provide significant electrical consumption savings (an average of 67% compared to standard motors)

ERV140 ECM / HRV160 ECM



HRV200 ECM / ERV200 ECM / HRV250 ECM / ERV250 ECM



Model Name	ERV140 ECM	HRV160 ECM	ERV200 ECM	HRV200 ECM	ERV250 ECM	HRV250 ECM
Model number	ERV140TE	HRV160TE	ERV200TE	HRV200TE	ERV250TE	HRV250TE
Min/max continuous airflow (CFM at 0.2 in. w.g.)	40–157	40–176	50–226	50–245	50–259	50–271
Min/max continuous airflow (CFM at 0.4 in. w.g.)	40–140	53–156	50–210	50–226	50–241	50–250
Fan efficacy at 32°F (CFM/Watt)*	2.2	2.0	2.9	3.4	3.6	3.6
Apparent sensible efficiency at 32°F*	73%	83%	88%	85%	80%	81%
Sensible recovery efficiency at 32°F*	67%	75%	75%	81%	75%	75%
Sensible recovery efficiency at -13°F*	60%	64%	65%	73%	65%	66%
Total recovery efficiency at 95°F*	52%	—	68%	—	65%	—
Filtration level	MERV 6	MERV 9	MERV 6/ HEPA option	MERV 6/ HEPA option	MERV 6/ HEPA option	MERV 6/ HEPA option
ENERGY STAR® Certified**	Yes	Yes	Yes	Yes	Yes	Yes
Ports location	Top	Top	Top	Top	Top	Top
Ports size (in.)	6	6	6	6	6	6
Dimensions (in.) H x W x D						
Side port	—	—	—	—	—	—
Top port	24 ⁹ / ₁₆ x 23 ⁹ / ₁₆ x 14 ¹⁵ / ₁₆		31 x 32 x 20			

*Performance at low speed.



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

When standard ventilation is not enough, the Advanced Series is the solution to offer superior filtration, airflow capacity or higher recovery efficiency. Broan's Advanced Series of HRVs and ERVs has the product range to meet every need.

High efficiency filtration (Models HRVH100 & ERVH100)

- HEPA filtration captures 99.97% of allergens and other microscopic particles and may reduce symptoms of allergies or respiratory problems

Superior airflow (Models HRV150, ERV180 & HRV190)

- 66–192 CFM is ideal for medium to large homes
- Extra airflow to manage excess humidity

High recovery efficiency (Model HRV160)

- 83% of apparent efficiency at 32°F can improve home comfort and reduce utility bills

HRVH100 / ERVH100



HRV150 / ERV180 / HRV190
HRV150FLS / HRV190FLS



HRV160



HEPA filtration traps 99.97% of allergens and microscopic particles. It removes particles that are 0.3 microns or larger. The clean air that HEPA filters produce can result in improved health, especially for those who suffer from asthma and allergies.

ADVANCED
SERIES

Model Name	HRVH100	ERVH100	HRV130	ERV130	HRV150	ERV180	HRV190	HRV150FL	HRV190FL	HRV160
Model number	HRVH100S	ERVH100S	HRV130FLS	ERV130FLS	HRV150S	ERV180S	HRV190S	HRV150FLS	HRV190FLS	HRV160T
Min/max continuous airflow (CFM at 0.2 in. w.g.)	50–112	50–111	66–155	66–155	66–174	80–209	82–215	66–174	82–215	65–183
Min/max continuous airflow (CFM at 0.4 in. w.g.)	50–104	50–100	66–129	66–129	66–150	80–183	82–192	66–150	82–192	65–155
Fan efficacy at 32°F (CFM/Watt)*	1.2	1.2	1.0	1.03	1.2	1.0	1.2	1.2	1.2	1.3
Apparent sensible efficiency at 32°F*	75%	77%	83%	82%	79%	72%	75%	79%	75%	83%
Sensible recovery efficiency at 32°F*	65%	67%	75%	75%	67%	60%	65%	67%	65%	75%
Sensible recovery efficiency at -13°F*	60%	61%	60%	60%	60%	41%	60%	60%	60%	70%
Total recovery efficiency at 95°F*	—	53%	—	60%	—	52%	—	—	—	—
Filtration level	HEPA	HEPA	MERV 6/MERV 8 option	MERV 6/MERV 8 option	15 PPI	15 PPI	15 PPI	15 PPI	15 PPI	MERV 6
ENERGY STAR® Certified**	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Ports location	Side	Side	Side	Side	Side	Side	Side	Side	Side	Top
Ports size (in.)	5	5	5	5	6	6	6	6	6	6
Dimensions (in.) H x W x D										
Side port	17 x 39 x 12		22 ⁹ / ₁₆ x 22 ¹ / ₁₆ x 13 ⁷ / ₈		17 x 35 x 17 ¹ / ₄			17 x 35 x 18		—
Top port	—		—		—			—		24 ⁹ / ₁₆ x 24 ⁹ / ₁₆ x 14 ¹⁵ / ₁₆

*Performance at low speed.



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SKY SERIES

The Sky Series ceiling-mounted ERVs are the perfect solution for high-rise residential towers or new construction in southern regions. The Sky Series features ceiling-mounted ERVs that minimize the installation footprint, and provide easy access for routine maintenance. It is the perfect solution for homes in regions with excessive humidity.

High-rise residential towers (Models ERV100 & ERV100+)

- Ceiling-mounted bracket system for quick installation on concrete ceiling
- Integrated anti-vibration system

- ColdShield™ protection system ensures fresh air is tempered in extreme conditions

Residential new construction for Southern regions (Model ERVS100)

- Venmar® Core Technology decreases excessive moisture by up to 51%

- Built-in sensor decreases ventilation during periods of excessive humidity
- Ceiling-mounted brackets fit between 20-25 inch trusses
- Affordable solution for new construction due to faster, easier installation

SKY SERIES

ERV100 / ERV100+



ERV100S



ERVS100



Model Name	ERV100	ERV100+	ERVS100
Model number	ERV100S	ERV100SP	ERVS100S
Min/max continuous airflow (CFM at 0.2 in. w.g.)	50-108	50-114	65-115
Min/max continuous airflow (CFM at 0.4 in. w.g.)	50-102	50-101	65-105
Fan efficacy at 32°F (CFM/Watt)*	1.2	1.2	1.4
Apparent sensible efficiency at 32°F*	75%	75%	71%
Sensible recovery efficiency at 32°F*	67%	67%	64%
Sensible recovery efficiency at -13°F*	51%	61%	—
Total recovery efficiency at 95°F*	50%	50%	48%
Filtration level	20 PPI / MERV 8 option	20 PPI / MERV 8 option	20 PPI / MERV 8 option
ENERGY STAR® Certified**	No	Yes	No
Ports location	Side	Side	Side
Ports size (in.)	5	5	6
Dimensions (in.) H x W x D			
Side port	9 x 27 ¹ / ₈ x 20	9 x 27 ¹ / ₈ x 23 ¹ / ₈	9 x 27 ¹ / ₈ x 20
Top port	—	—	—

*Performance at low speed.



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The Compact Flex™ Series is the ideal choice for apartments, condominiums and homes where space is limited and standard ventilation is required. Designed with builders and contractors in mind, the Compact Flex™ Series is all about installation flexibility and simplicity.

Flexible installation

- Compact design is perfect for installation in closets or above hot water tanks
- Side or top port configurations
- Pressure taps on access door enable installer to quickly read airflow
- Optional VACCWMK wall bracket kit for ERV70, HRV80 and HRV90

Specification Simplicity

- ERV and HRV options across a wide CFM range (35–120 CFM)

ERV70 / HRV80 / HRV90



ERV110 / HRV120 / ERV120



COMPACT FLEX™ SERIES

Model Name	ERV70	HRV80	HRV90	ERV110	HRV120	ERV120
Model number	ERV70S ERV70T	HRV80S HRV80T	HRV90S HRV90T	ERV110S ERV110T	HRV120S HRV120T	ERV120S ERV120T
Min/max continuous airflow (CFM at 0.2 in. w.g.)	35–78	37–86	47–95	45–112	64–126	64–130
Min/max continuous airflow (CFM at 0.4 in. w.g.)	35–70	37–77	47–90	45–105	64–115	64–120
Fan efficacy at 32°F (CFM/Watt)*	1.3	1.2	1.2	1.2	1.2	1.2
Apparent sensible efficiency at 32°F*	77%	80%	75%	79%	74%	79%
Sensible recovery efficiency at 32°F*	66%	68%	66%	67%	65%	67%
Sensible recovery efficiency at -13°F*	56%	60%	60%	60%	60%	60%
Total recovery efficiency at 95°F*	41%	—	—	50%	—	50%
Filtration level	30 PPI	30 PPI	30 PPI	30 PPI	30 PPI	30 PPI
ENERGY STAR® Certified**	No	Yes	Yes	Yes	Yes	Yes
Ports location	Side / Top	Side / Top	Side / Top	Side / Top	Side / Top	Side / Top
Ports size (in.)	4	4	4	5	5	5
Dimensions (in.) H x W x D						
Side port	16 ⁵ / ₁₆ x 19 ¹³ / ₁₆ x 15 ⁵ / ₈			12 ³ / ₁₆ x 27 ¹ / ₁₆ x 19 ¹³ / ₁₆		
Top port	18 ⁵ / ₈ x 15 ⁷ / ₁₆ x 15 ⁵ / ₈			16 ¹ / ₄ x 23 ⁵ / ₈ x 19 ¹³ / ₁₆		

*Performance at low speed.



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WALL CONTROLS & ACCESSORIES

Residential Main Wall Controls

Broan offers simple to more advanced wall controls to customize your fresh air system.

Auxiliary Wall Controls

Auxiliary wall controls can provide additional control to homeowners.

VB20W

- Bathroom override 20-minute timer

VB60W

- Bathroom override 20/40/60-minute timer

VT4W



VT6W



VT7W



VT8W



VT9W



VB20W



VB60W



SELECT THE WALL CONTROL BEST SUITED TO YOUR NEEDS

Main Wall Controls						Auxiliary		Wall Control Features					
Model	VT4W	VT6W	VT7W	VT8W	VT9W	VB20W	VB60W		VT4W	VT6W	VT7W	VT8W	VT9W
ERV70	•	•	•	•		•	•	Continuous minimum speed	•	•	•	•	•
HRV80	•	•	•	•		•	•	Continuous maximum speed	•	•	•	•	•
HRV90	•	•	•	•		•	•	Dehumidistat		•	•		•
ERV100	•	•	•	•		•	•	Intermittent: 20 minutes/hour	•		•	•	•
ERV100+	•	•	•	•		•	•	Turbo: Maximum speed for 4 hours					•
ERVS100						•		Recirculation			•	•	•
H/ERVH100	•	•	•	•		•	•	Smart				•	•
ERV110	•	•	•	•		•		Program				•	
H/ERV120	•	•	•	•		•		Electronic balancing					•
H/ERV130FLS	•	•	•				•						
HRV150	•	•	•			•							
HRV150FL	•	•	•	•		•	•						
HRV160	•	•	•	•		•	•						
ERV140 ECM			•	•		•	•						
HRV160 ECM			•	•		•	•						
ERV180	•	•	•			•							
HRV190	•	•	•			•							
HRB190FL	•	•	•	•		•	•						
H/ERV200 ECM					•	•	•						
H/ERV250 ECM					•	•	•						

ACCESSORIES*

WHISPER REGISTERS

Model V01269

- 4" intake and exhaust



Model V02863

- 5" intake and exhaust



Model V01271

- 6" intake and exhaust



Model V03585

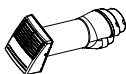
- 8" intake and exhaust



EXTERIOR VENTS

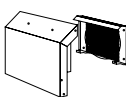
Model VTYIK1

- Tandem transition kit for units at 110 CFM and under



Model V1607100

- IN2000 hood kit (set 2)

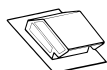


Model V12570

- Anti-gust intake 6"

Model 634M

- Roof cap up to 6"



GRILLES AND PLASTIC REGISTERS

Model V04790

- Duct connector baffle 8" x 12"



Model V04400

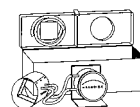
- Duct connector 8" x 12"



AIRFLOW BALANCING KITS

Model V18222

- Balancing kit 0.5" and 1" H2O



Model V11001

- Air flow collar 6"d

Model V11246

- Air flow collar 8"d

Model V11247

- Air flow collar 7"d

Bring fresh air into the places where you work and play. Broan's light commercial line-up offers three heat recovery ventilator platforms that are ideal for small businesses, professional offices, retail stores, veterinary clinics and small pool rooms.

B6LC / B12LC



B1600705



LIGHT COMMERCIAL

Platform	B6LC	B12LC	B1600705
Min/max continuous airflow (CFM at 0.4 in. w.g.)	560-690	890-1170	400-700
Dimensions (in.) (Height x Width x Depth)	25 x 34 x 28	25 x 34 x 42	37 x 47 x 21
Weight (lbs)	148	186	210
Limited warranty	2 years	2 years	2 years

Platform	Model*	Defrost		Core Material		Access Door		Paint	
		Exhaust	Recirculation	Polypropylene	Polymerised paper ERV HM4	Standard	Reverse	White	Powder (corrosion resistant)
B6LC	B6LCEHSN	•			•	•		•	
	B6LCEHRN	•			•		•	•	
	B6LCDHRN		•		•		•	•	
	B6LCEPSN	•		•		•		•	
	B6LCDPSN		•	•		•		•	
	B6LCEPRN	•		•			•	•	
	B6LCDPRN		•	•			•	•	
B12LC	B12LCEHSNW	•			•	•		•	
	B12LCEHRNW	•			•		•	•	
	B12LCDHSNW		•		•	•		•	
	B12LCDHRNW		•		•		•	•	
	B12LCEPSNW	•		•		•		•	
	B12LCEPRNW	•		•			•	•	
	B12LCDPSNW		•	•		•		•	
	B12LCDPRNW		•	•			•	•	
	B12LCDPSNC		•	•		•			•
	B12LCDPRNC		•	•			•		•
	B1600705	•		•		•			•

*More models available on a special order basis. Please ask Broan's customer service or a sales representative for more details.

SPECIFICATIONS BROAN RESIDENTIAL FRESH AIR SYSTEMS

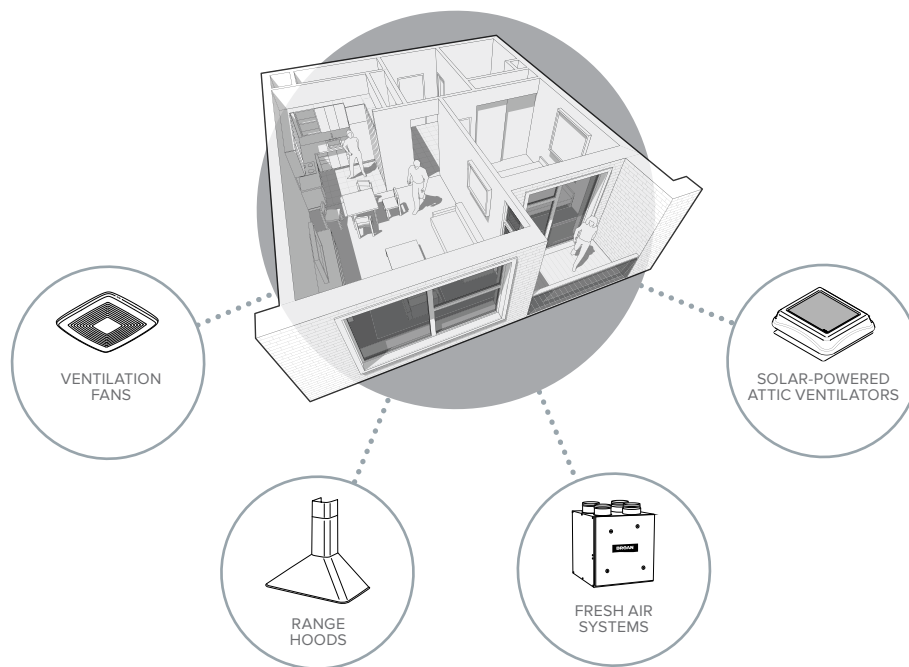
Model Name	HE SERIES						ADVANCED SERIES					
	ERV140 ECM	HRV160 ECM	ERV200 ECM	HRV200 ECM	ERV250 ECM	HRV250 ECM	HRVH100	ERVH100	HRV130FL	ERV130FL	HRV150	
Model Number	ERV140TE	HRV160TE	ERV200TE	HRV200TE	ERV250TE	HRV250TE	HRVH100S	ERVH100S	HRV130FLS	ERV130FLS	HRV150S	
Min/max continuous airflow (CFM at 0.2 in. w.g.)	40-157	40-176	50-226	50-245	50-259	50-271	50-112	50-111	66-155	66-155	66-174	
Min/max continuous airflow (CFM at 0.4 in. w.g.)	40-140	53-156	50-210	50-226	50-241	50-250	50-104	50-100	66-129	66-129	66-150	
Fan efficacy at 32°F (CFM/Watt)	2.2	2.0	2.9	3.4	3.6	3.6	1.2	1.2	1.0	1.03	1.2	
Apparent sensible efficiency at 32°F*	73%	83%	88%	85%	80%	81%	75%	77%	83%	82%	79%	
Sensible recovery efficiency at 32°F*	67%	75%	84%	81%	75%	75%	65%	67%	75%	75%	67%	
Sensible recovery efficiency at -13°F*	60%	64%	65%	73%	65%	66%	60%	61%	60%	60%	60%	
Total recovery efficiency at 95°F*	52%	—	68%	—	65%	—	—	53%		60%	—	
Filtration level	MERV 6	MERV 9	MERV 6 / HEPA option	MERV 6 / HEPA option	MERV 6 / HEPA option	MERV 6 / HEPA option	HEPA	HEPA	MERV 6 / MERV 8 option	MERV 6 / MERV 8 option	15 PPI	
Filter model number	SV18204	SV18205	SV63427 / V22528	SV63426 / V21996	SV63433 / V21996	SV63426 / V21996	ACCHEPARF + ACCHEPAPFK	ACCHEPARF + ACCHEPAPFK	V65683	V65683	SV60800	
ENERGY STAR® Certified**	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Ports location	Top	Top	Top	Top	Top	Top	Side	Side	Side	Side	Side	
Ports size (in.)	6	6	6	6	6	6	5	5	5	5	6	
Dimensions (in.) H x W x D												
Side port	—	—	—	—	—	—	17 x 39 x 12		22 ⁹ / ₁₆ x 22 ¹ / ₁₆ x 13 ⁷ / ₈		17 x 35 x 17 ¹ / ₄	
Top port	24 ⁹ / ₁₆ x 23 ⁹ / ₁₆ x 14 ¹⁵ / ₁₆		31 x 32 x 20				—		—	—	—	
Weight (lbs)	65	52	96	82	84	81	46.5	47	47	50.5	65	
Warranty on parts	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	
Warranty on core	5 years	Limited lifetime	10 years	Limited lifetime	10 years	Limited lifetime	Limited lifetime	5 years	Limited lifetime	5 years	Limited lifetime	

*Performance at low speed.



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

	ADVANCED SERIES					SKY SERIES			COMPACT FLEX™ SERIES						AIR EXCHANGER
	HRV150FL	HRV190FL	ERV180	HRV190	HRV160	ERV100	ERV100+	ERVS100	ERV70	HRV80	HRV90	ERV110	HRV120	ERV120	AE60
	HRV150FLS	HRV190FLS	ERV180S	HRV190S	HRV160T	ERV100S	ERV100SP	ERVS100S	ERV70S ERV70T	HRV80S HRV80T	HRV90S HRV90T	ERV110S ERV110T	HRV120S HRV120T	ERV120S ERV120T	AE60
	66-174	82-215	80-209	82-215	65-183	50-108	50-114	65-115	35-78	37-86	47-95	45-112	64-126	64-130	—
	66-150	82-192	80-183	82-192	65-155	50-102	50-101	65-105	35-70	37-77	47-90	45-105	64-115	64-120	30-55
	1.2	1.2	1.0	1.2	1.3	1.2	1.2	1.4	1.3	1.2	1.2	1.2	1.2	1.2	0.3
	79%	75%	72%	75%	83%	75%	75%	71%	77%	80%	75%	79%	74%	79%	—
	67%	65%	60%	65%	75%	67%	67%	64%	66%	68%	66%	67%	65%	67%	—
	60%	60%	41%	60%	70%	51%	61%	—	56%	60%	60%	60%	60%	60%	—
	—	—	52%	—	—	50%	50 %	48%	41%	—	—	50%	—	50%	—
	15 PPI	15 PPI	15 PPI	15 PPI	MERV 6	20 PPI / MERV 8 option	20 PPI / MERV 8 option	20 PPI / MERV 8 option	30 PPI	30 PPI	30 PPI	30 PPI	30 PPI	30 PPI	Mesh
	SV60800	SV60800	SV60799	SV60800	SV18204	SV21029 / V21030	SV21029 / V21030	SV21029 / V21030	SV18883	SV18883	SV18883	SV16031	SV16032	SV16031	—
	Yes	Yes	No	Yes	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No
	Side	Side	Side	Side	Top	Side	Side	Side	Side/Top	Side/Top	Side/Top	Side/Top	Side/Top	Side/Top	Side
	6	6	6	6	6	5	5	6	4	4	4	5	5	5	6
	17 x 35 x 18	17 x 35 x 18	17 x 35 x 17 ¹ / ₄		—	9 x 27 ¹ / ₈ x 20	9 x 27 ¹ / ₈ x 23 ¹ / ₈	9 x 27 ¹ / ₈ x 20	16 ⁵ / ₁₆ x 19 ¹³ / ₁₆ x 15 ⁵ / ₈			12 ³ / ₁₆ x 27 ¹ / ₁₆ x 19 ¹³ / ₁₆			12 ¹ / ₄ x 18 ¹ / ₄ x 15
	—	—	—		24 ⁹ / ₁₆ x 24 ⁹ / ₁₆ x 14 ¹⁵ / ₁₆	—	—	—	18 ⁵ / ₈ x 15 ⁷ / ₁₆ x 15 ⁵ / ₈			16 ¹ / ₄ x 23 ⁵ / ₈ x 19 ¹³ / ₁₆			—
	65	65	76	65	52	32	35	40	34	30	30	45	42	45	40
	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	2 years
	Limited lifetime	Limited lifetime	5 years	Limited lifetime	Limited lifetime	5 years	5 years	5 years	5 years	Limited lifetime	Limited lifetime	5 years	Limited lifetime	5 years	—



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