Fresh Air Systems

BROAN

Better Air. Better Life.

Energy & Heat Recovery Ventilators

The air inside your home should be as clean as the air outside.

Fresh Air Systems

Efficiently exchange inside air with fresh outside air, and remove airborne particulate with HEPA filtration.

Kitchen Ventilation

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

Exhaust Ventilation

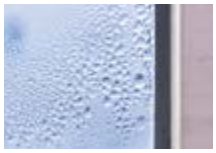
Removes excess moisture and odor from any room in the home, and can also provide continuous, whole-house ventilation.

Broan-NuTone® can improve indoor air quality in every room of the home.

From clearing humidity in the bathroom to removing steam and other airborne effluents in the kitchen, no company knows residential and light commercial ventilation like Broan-NuTone. After countless innovations and a commitment to indoor air quality, trust Broan-NuTone to clear up every concern.

Why indoor air quality is important to you.

Not all homeowners recognize what contributes to poor indoor air quality, the potential effects and harm, and how to address these problems. Broan-NuTone® is here to help. For nearly 90 years, Broan-NuTone 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, potentially leading to structural and health problems. Exhaust ventilation solutions from Broan-NuTone remove humidity at the source to help maintain the optimal humidity balance of 40–60%.

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-NuTone 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. A properly ventilated home creates a more enjoyable, comfortable and healthier environment.

Cooking effluents 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.

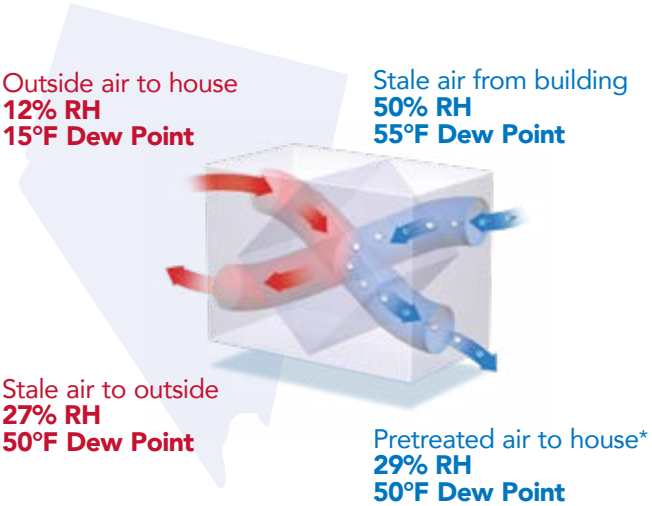
When do you want fresh air in your home?

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.

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.

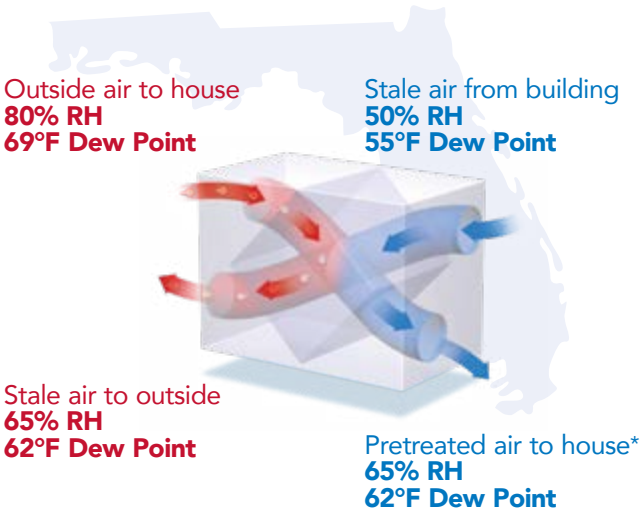
Dry Climate

Las Vegas, Nevada

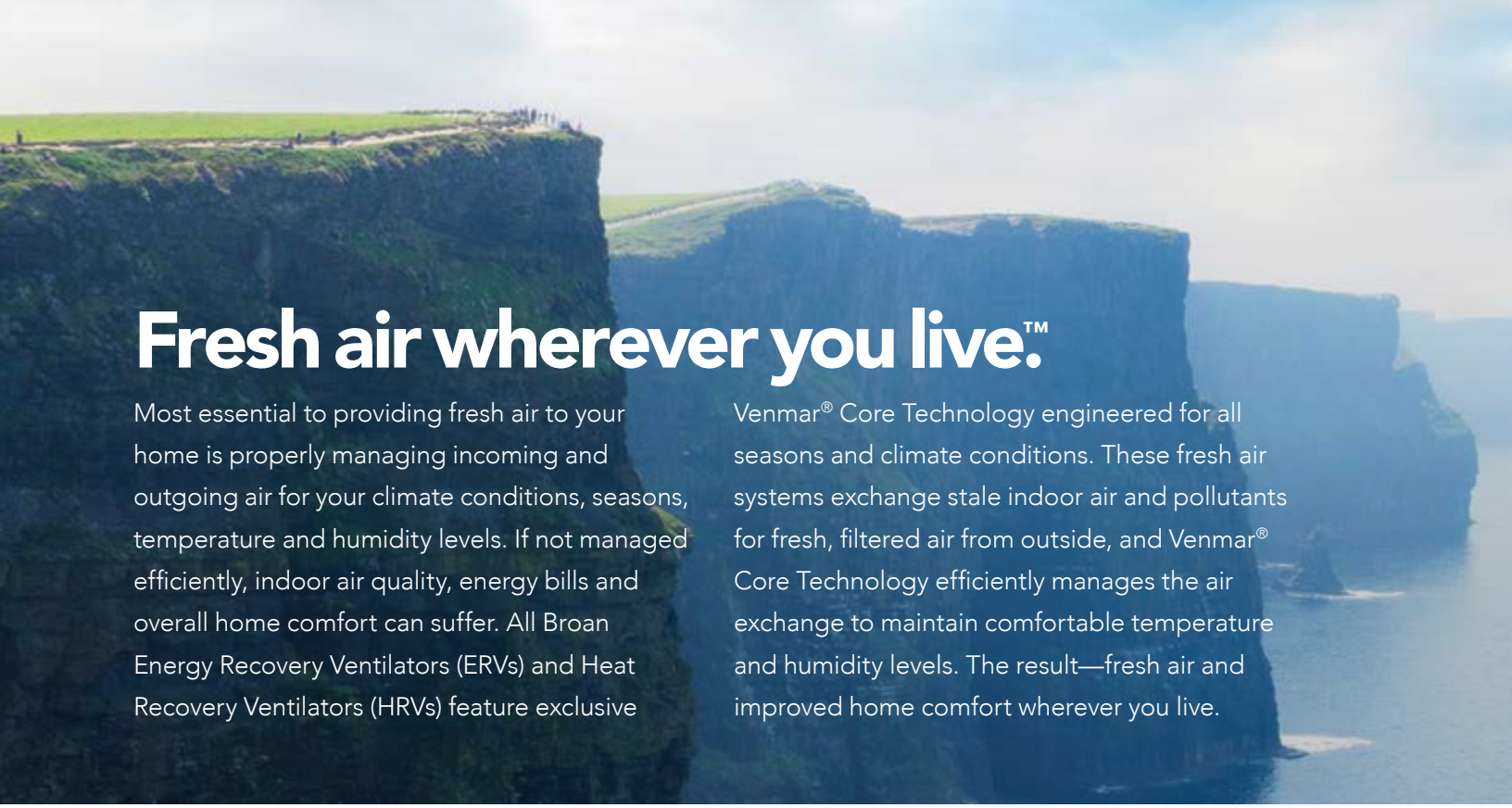


Humid Climate

Orlando, Florida



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



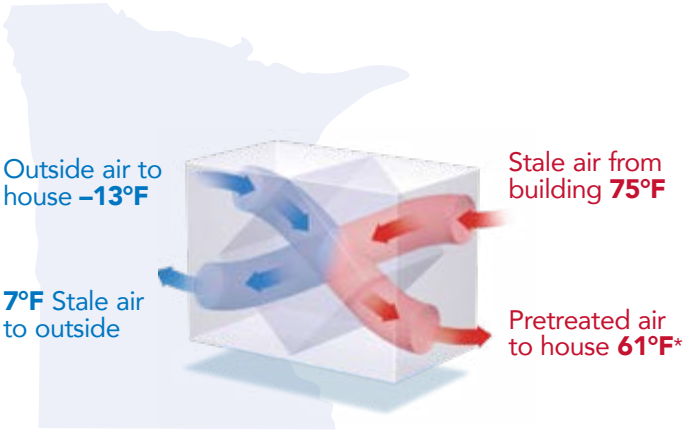
Fresh air wherever you live.™

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 <u>temperature</u> 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.

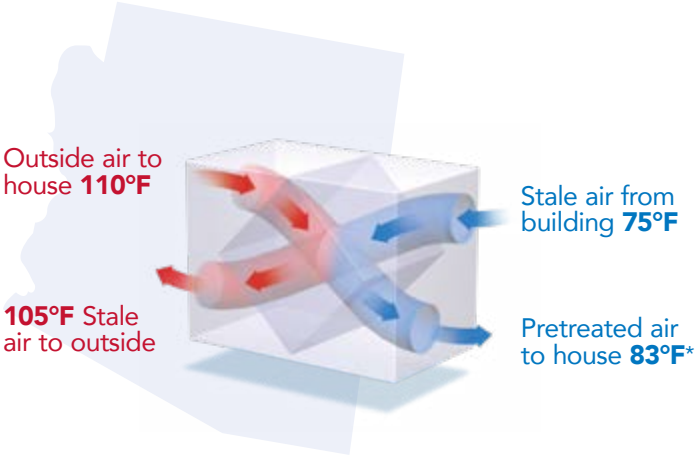
Heating Season

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 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. Most new building codes are based on the 2010 version of the ASHRAE 62.2 standard shown below. Some programs and jurisdictions such as California incorporate newer, more complex versions with more variables such as building airtightness. These versions generally result in higher CFM requirements but often give credit for balanced solutions such as HRVs and ERVs. Check local codes before specifying.

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

ENERGY STAR® fans use 70% less energy, on average, than standard models and may qualify for local utility rebates

An alternative formula approach to the tables above.

An alternative formula approach to the tables 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 x floor area (in square feet) plus 7.5 x (number of bedrooms + 1).

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

*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.

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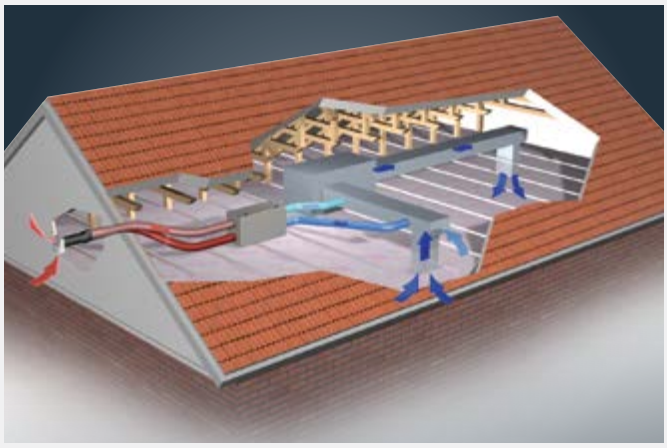
1. **Specify the system type** (ERV, HRV) for fresh air and improved home comfort wherever you live.
2. **Select the product series** that delivers air flow, recovery and filtration performance to meet any applicable regulatory requirements.
3. **Identify the product form** and fit for the application 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
- 40–250 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.

Advanced Series

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.

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.

HRVH100 / ERVH100

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

HRV150 / ERV180 / HRV190
HRV150FLS / HRV190FLS

- Superior airflow
- 66–192 CFM is ideal for medium to large homes

HRV160

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

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		15 PPI	15 PPI	15 PPI	15 PPI	15 PPI	MERV 6
ENERGY STAR® Certified**	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes
Ports Location	Side	Side	Top	Top	Side	Side	Side	Side	Side	Top
Ports Size (in.)	5	5	6	6	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.

ERV100

- High-rise residential towers
- 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

ERV100+

ERVS100

- Residential new construction for Southern regions
- 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

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 27⅛ x 20	9 x 27⅛ x 23⅛	9 x 27⅛ x 20
Top port	—	—	—

*Performance at low speed.

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Compact Flex Series™

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 (35–130 CFM)

ERV70 / HRV80 / HRV90

ERV110 / HRV120 / ERV120

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	37–79	47–95	45–112	64–126	64–130
Min/max continuous airflow (CFM at 0.4 in. w.g.)	35–70	37–71	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	No	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
can provide additional control to homeowners.







VT4W **VT6W** **VT7W** **VT8W** **VT9W**

VB20W
- Bathroom override 20-minute timer

VB60W
- Bathroom override 20/40/60-minute timer

Select the wall control best suited to your needs

Model	VT4W	VT6W	VT7W	VT8W	VT9W	VB20W	VB60W
	Main Wall Controls					Auxiliary	
ERV70	•	•	•	•		•	•
HRV80	•	•	•	•		•	•
HRV90	•	•	•	•		•	•
ERV100	•	•	•	•		•	•
ERV100+	•	•	•	•		•	•
ERVS100						•	
H/ERVH100	•	•	•	•		•	•
ERV110	•	•	•	•		•	
H/ERV120	•	•	•	•		•	
H/ERV130FLS	•	•	•				•
HRV150	•	•	•			•	
HRV150FL	•	•	•	•		•	•
HRV160	•	•	•	•		•	•
ERV140 ECM			•	•		•	•
HRV160 ECM			•	•		•	•
ERV180	•	•	•			•	
HRV190	•	•	•			•	
HRB190FL	•	•	•	•		•	•
H/ERV200 ECM					•	•	•
H/ERV250 ECM					•	•	•

Model	VT4W	VT6W	VT7W	VT8W	VT9W
	Wall Control Features				
Continuous minimum speed	•	•	•	•	•
Continuous maximum speed	•	•	•	•	•
Dehumidistat		•	•		•
Intermittent: 20 minutes/hour	•		•	•	•
Turbo: Maximum speed for 4 hours					•
Recirculation			•	•	•
Smart				•	•
Program				•	
Electronic balancing					•

Accessories*

WHISPER REGISTERS

Model V01269
- 4" intake and exhaust

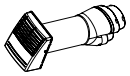
Model V02863
- 5" intake and exhaust

Model V01271
- 6" intake and exhaust

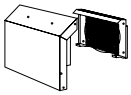
Model V03585
- 8" intake and exhaust

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"

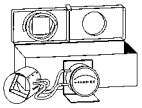
AIRFLOW BALANCING KITS

Model V18222
- Balancing kit 0.5" and 1" H20

Model V11001
- Air flow collar 6"d

Model V11246
- Air flow collar 8"d

Model V11247
- Air flow collar 7"d



*Complete line of accessories available at www.broan.com.

Light Commercial

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

Platform	B6LC	B12LC	B1600705
Min/max continuous airflow (CFM at 0.4 in. w.g.)	560–690	890–1170	400–700
Dimensions (in.) (H x W x D)	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	B1600705	•		•		•			•

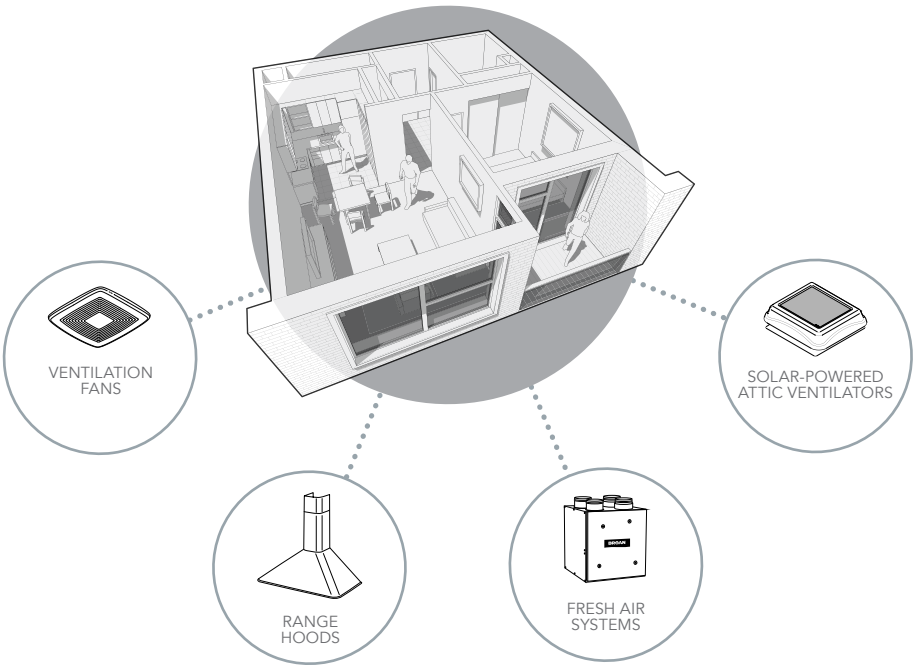
*More models available on a special order basis. Please ask Broan's customer service or a sales representative for more details.

	HE SERIES						ADVANCED SERIES				
Model Name	**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	No
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	37–79	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	37–71	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	—
No	No	No	No	Yes	No	Yes	No	No	No	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 17¼		—	9 x 27⅛ x 20	9 x 27⅛ x 23⅛	9 x 27⅛ x 20	16⁵⁄₁₆ x 19¹³⁄₁₆ x 15⅝			12³⁄₁₆ x 27¹⁄₁₆ x 19¹³⁄₁₆			12¼ x 18¼ x 15
—	—	—		24⁹⁄₁₆ x 24⁹⁄₁₆ x 14¹⁵⁄₁₆	—	—	—	18⅝ x 15⁷⁄₁₆ x 15⅝			16¼ x 23⅝ x 19¹³⁄₁₆			—
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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