



AI SERIES

Fresh Air Systems



Today's homes are better insulated and sealed than ever before—trapping moisture, stale air, and dust inside the house.

For almost 90 years, Broan has been the leader in indoor air quality. Thanks to our air exchangers, stale and polluted air is removed from homes. Get the ultimate in fresh air and energy efficiency with our **AI series**, featuring our exclusive **VIRTUO™ Air Technology**. VIRTUO only has one thing on its mind: the homeowner's comfort.



Self-Adjusting Smart Technology

VIRTUO is the first artificial intelligence technology designed exclusively for ventilation systems. It offers optimal energy efficiency and superior air quality in all weather conditions, all year round. VIRTUO ensures your comfort in your home by constantly self-adjusting to changing indoor and outdoor conditions. When it detects a change, it automatically adjusts the operation mode of the unit to deliver the proper amount of fresh air with minimal energy consumption.



Superior Air Filtration

AI series units surpass any other on the market with their standard-issue high-grade MERV 8 filters, which capture lint, dust, pollen, dust mites, debris and spores for superior air quality and comfort. Even more powerful filtration is available with an optional MERV 13 filter upgrade.



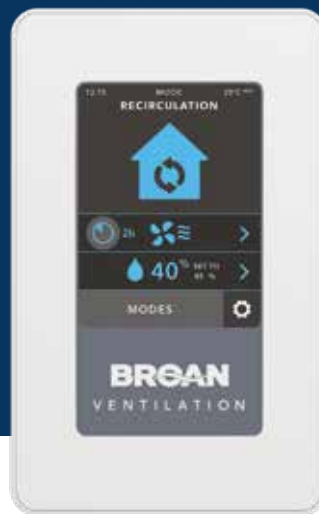
Energy-Efficient Motors

Powerful, reliable and quiet motors ensure peace of mind while offering performance and durability. PMSM ECM motors also provide up to 60% energy savings compared to other units on the market.

VIRTUO provides you with optimal energy recovery and maximum savings and comfort, while maintaining your property's integrity and value.

Controls

When things are simple, everything is so much easier. Take full control of your AI series air exchanger with simple, easy-to-navigate controls. These stylish and user-friendly controls are designed to blend with most contemporary decors. Available in a range of options, the new controls have the right options to meet your needs.



VTTOUCHW



Automatic Control
VAUTOW

Dehumidistat Control
VTDEHUMW

Speed Selector Control
VTSPEEDW

20-40-60 Deluxe Control
VBATHBTW

20-40-60 Control
VBATHW



Advanced Touchscreen Control

- Advanced support and information for a greatly enhanced user experience
- Revamped design that blends with contemporary decors like never before
- Variety of font options to change the appearance of the wall control
- Range of flexible options and automatic modes to meet specific needs
- Wireless synchronization with the Deluxe 20-40-60 control for easy installation

Technical Features

SPECIFICATIONS	B110H65RS B110H65RT	B130H65RS B130H65RT B130E65RS B130E65RT	B160H65RS B160H65RT B160E65RS B160E65RT	B150H75NS B150H75NT B150E75NS B150E75NT	B160H75RS B160H75RT B160E75RS B160E75RT
RECOVERY TYPE	HRV	HRV/ERV	HRV/ERV	HRV/ERV	HRV/ERV
CFM AT 0.2 IN. W.G.	112 CFM	131 CFM	HRV: 160 CFM ERV: 150 CFM	HRV: 150 CFM ERV: 136 CFM	HRV: 160 CFM ERV: 140 CFM
CFM AT 0.4 IN. W.G.	100 CFM	119 CFM	HRV: 150 CFM ERV: 140 CFM	HRV: 140 CFM ERV: 127 CFM	HRV: 150 CFM ERV: 133 CFM
SRE AT 32°F	68%	HRV: 68% ERV: 67%	HRV: 68% ERV: 67%	75%	75%
SRE AT 14°F	N/A*	N/A*	N/A*	HRV: N/A* ERV: 60%	N/A*
SRE AT -13°F	60%	HRV: 60% ERV: 56%	HRV: 60% ERV: 56%	HRV: 60% ERV: N/A*	HRV: 65% ERV: 63%
ASE AT 32°F*	72%	72%	72%	80%	80%
LATENT RECOVERY / MOISTURE TRANSFER AT 32°F	HRV: N/A	HRV: N/A ERV: 65%	HRV: N/A ERV: 65%	HRV: N/A ERV: 67%	HRV: N/A ERV: 67%
VIRTUO AIR TECHNOLOGY	Yes	Yes	Yes	Yes	Yes
MOTOR	ECM PMSM				
FILTRATION	MERV 8 (included), optional MERV 13 (part number V24285)				
DIMENSIONS (H x W x D)	Side ports: 19-1/8 x 23-1/2 x 16-1/8 in. Top ports: 21-1/2 x 21 x 16-1/8 in.				
PORTS CONFIGURATION	Round, top or side 5 in.	Round, top or side 5 in.	Round, top or side 6 in.	Round, top or side 5 in.	Round, top or side 6 in.
RECIRCULATION	Yes	Yes	Yes	No	Yes
HARDWARE INCLUDED	Drain hose with integrated "snap-in" (HRV only), universal brackets, chains and screws				
WARRANTY	Parts: 5 years HRV core: limited lifetime ERV core: 5 years				

Authorized dealer

All energy performance ratings are obtained at 65 CFM (+/- 1).

* Data are not HVI certified.



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