

# The Fastest Installation in Its Category

**AI Series**  
FRESH AIR SYSTEMS

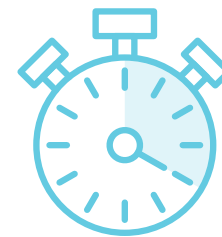
INTRODUCING  
VIRTUO™ TECHNOLOGY



**BROAN®**

# Installing fresh air systems has never been so simple.

Over forty years in the industry has taught us a few things, like the details that can make all the difference to an installer. This is why we turned our classic fresh air ventilation line into a versatile platform: the **AI Series**. A platform specifically designed and improved to make your life easier and more profitable, in addition to offering superior air quality to your customers.



## Quicker Setup

SAVES YOU UP TO 20 MINUTES PER UNIT

Our new **VIRTUO technology** does the airflow verification and balancing for you, eliminating two complex parts of the installation process. All of the settings have been simplified while the straightforward system makes it fast and easy to train the homeowner.



## Consistent Results

NO UNEXPECTED SURPRISES

Simpler installation results in greater consistency in the installer's work. **Auto-balancing** sets a reliable initial configuration in all dwelling types, and self-adjustment ensures the unit operates at optimal performance levels throughout its lifetime.



## Satisfied Users

EASE OF OPERATION

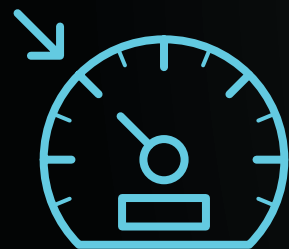
High-quality installation brings **peace of mind** for homeowners. User-friendly operation and additional automatic options and features allow users to easily draw maximum benefits from the units.



# Your Smart Built-In Assistant

**Making your life easier. Saving you time and money.**

Introducing the most advanced artificial intelligence technology that allows a ventilation system to do an airflow verification and auto-balance in all dwelling configurations and to self-adjust to changing indoor and outdoor conditions.



## Stay on Duty, Even After You Leave

### CONTINUOUS SELF-ADJUSTMENT

With VIRTUO, you can rely on a monitoring system designed to preserve the quality of your work. When a pressure change occurs, VIRTUO detects it and instantly adjusts the unit operation to consistently deliver the right CFM value. 100% BALANCED. Always. At all times.

Unlike older generations of ventilation systems, VIRTUO continuously self-adjusts and takes account of variations to stay balanced 100% of the time, which maximizes the heat recovery of your HRV/ERV and optimizes air quality. This provides the homeowner with maximum savings and comfort.

### END USER PEACE OF MIND MEANS FEWER CALLBACKS

VIRTUO only has one thing on its mind: the homeowner's comfort. It maintains optimal indoor air quality and comfort without any action required from the homeowner. In addition, by ensuring continuous balancing, VIRTUO doesn't create positive or negative pressure and maintains the property integrity and value.



## A Key Member of Your Installation Team

### AUTOMATIC AIRFLOW VERIFICATION AND AUTO-BALANCING

VIRTUO performs a complex part of the installation work for you. Thanks to its smart auto-balancing system, the AI Series analyzes and communicates the maximum achievable air flow for both exhaust and supply flows through its LCD screen. The calibration is achieved quickly and maintained throughout the life of the product, with superior accuracy.

### ELIMINATE STEPS IN THE INSTALLATION PROCESS

No need to adjust or fine-tune balancing dampers, pressure taps or pressure gauges, thanks to VIRTUO Technology.

# 24/7

## Trained to Only Make the Right Decisions

### A TESTED ALGORITHM THAT ENSURES HIGH PRECISION

VIRTUO's intelligence was thought out, programed and tested to maximize the full potential of the state-of-the-art components assembled into every AI Series unit. It uses fine motor speed adjustment capabilities to adjust ventilation with utmost precision. Its dynamic data analysis ensures fluid interaction between sensors and motors.

### ENERGY SAVINGS AND INDOOR AIR QUALITY, 24/7

VIRTUO is nimble. It makes quick decisions based on a series of indoor and outdoor factors such as temperature and humidity. With real-time detection, it generates quick adjustments and automatically optimizes air quality around the clock. This quick action also minimizes energy consumption for the homeowner.



# Making Your Day Productive

No detail is too small. Our ultra-compact, **universal platform** design fits everywhere, gives you all the features you need and is quick to install, easy to get up and running and simple to use.



Advanced Touchscreen Control  
VTTOUCHW

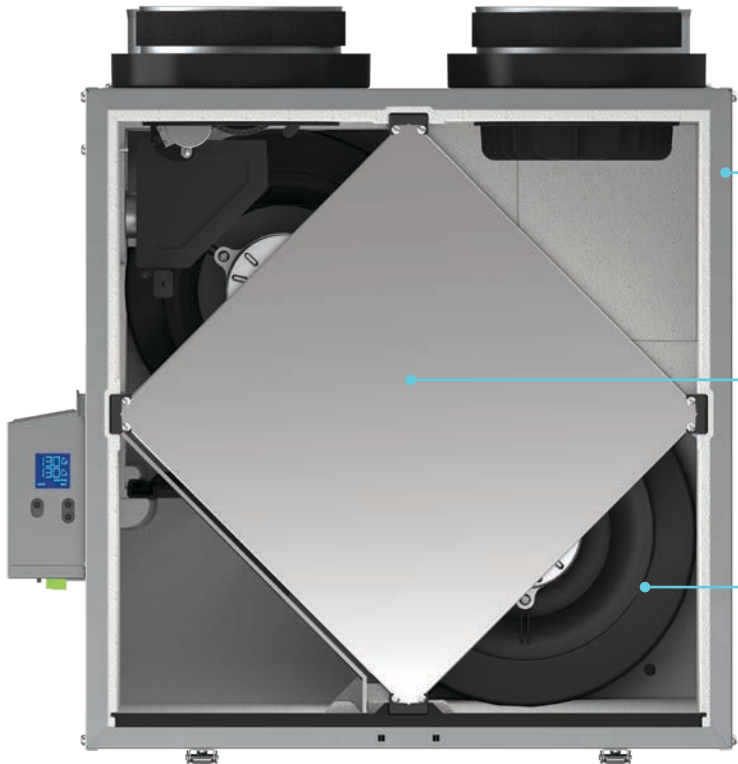
## Giving Users Full Control

When things are simple, everything is so much easier.

### User-Friendly Design

**EASIER FOR HOMEOWNERS**  
Touchscreen technology provides advanced support and information for a greatly enhanced user experience

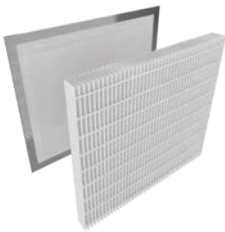
**EASIER FOR INSTALLERS**  
Advanced control used to determine the air flow makes setup faster and easier, and time-saving preconfigured setup program



**Well-Thought Design**  
COMPACT DESIGN AND STANDARDIZED SIZE AND SHAPE TO FIT ALL APPLICATIONS  
SIMPLIFIED SERVICING AND MAINTENANCE

**Proven Core Durability and Performance**  
UP TO 82% SRE, TESTED UNDER EXTREME CONDITIONS (-31°F)  
AVAILABLE WITH HRV/ERV CORE

**Small but Powerful**  
160 CFM IN AN ULTRA-COMPACT DESIGN



**Superior Air Filtration**  
HIGHER FILTRATION PERFORMANCE TO ANSWER GROWING CONSUMER AND CODE REQUIREMENTS  
  
COME STANDARD WITH MERV 8 FILTERS: CAPTURE MOLD SPORES AND FINE DUST, FOR CLEAN AIR  
  
MERV 13 FILTERS AVAILABLE AS AN OPTION: CAPTURE MOLD SPORES, FINE DUST, BACTERIA AND SMOKE, FOR CLEANER AIR



**Premium ECM PMSM Motors with Built-In Smart Technology**  
COME WITH PMSM ECM MOTORS, THE MOST EFFICIENT AND RELIABLE ON THE MARKET  
  
PROVIDE UP TO 60% ENERGY SAVINGS  
ULTRA-QUIET PERFORMANCE



**Versatile Installation Options**  
UNIVERSAL BRACKETS ALLOW FOR CHAIN, HORIZONTAL OR VERTICAL WALL-MOUNT INSTALLATION

### Main Controls



Automatic Control  
VAUTOW  
Dehumidistat Control  
VTDEHUMW  
Speed Selector Control  
VTSPEEDW

### Override Controls



20-40-60 Deluxe Control  
VBATBTW  
20-40-60 Control  
VBATHW

### Looks Great with Any Home Decor Style

**REVAMPED ESTHETICS**  
New, modern design that blends with the most contemporary decors like never before

**WIRELESS FUNCTION**  
The Deluxe 20-40-60 control can be easily installed by synchronizing with the Advanced Touchscreen control.



### New, In-Demand Features

**THE RIGHT CONTROLS FOR THE RIGHT USERS**  
Range of flexible options and automatic modes to meet specific needs and make user's life easier

**INTELLIGENT FEEDBACK**  
Clear feedback reduces repeated service calls, and filter replacement and maintenance alerts come standard

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# Technical Features

| SPECIFICATIONS         |                      | B110H65RS<br>B110H65RT                                                                 | B130E65RS<br>B130E65RT   | B160H65RS<br>B160H65RT<br>B160E65RS<br>B160E65RT | B150H75NS<br>B150H75NT<br>B150E75NS<br>B150E75NT | B160E75RS<br>B160E75RT   | B180E75RT<br>B180H75RT                                                         | B210E75RT<br>B210E75RS   | B230H75RT<br>B230H75RS   |
|------------------------|----------------------|----------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------|--------------------------------------------------------------------------------|--------------------------|--------------------------|
| RECOVERY TYPE          |                      | HRV                                                                                    | ERV                      | HRV/ERV                                          | HRV/ERV                                          | ERV                      | HRV/ERV                                                                        | ERV                      | HRV                      |
| CFM AT 0.2 IN. W.G.    |                      | 112 CFM                                                                                | 131 CFM                  | HRV: 160 CFM<br>ERV: 150 CFM                     | HRV: 150 CFM<br>ERV: 136 CFM                     | 140 CFM                  | HRV: 199 CFM<br>ERV: 189 CFM                                                   | 210 CFM                  | 231 CFM                  |
| CFM AT 0.4 IN. W.G.    |                      | 100 CFM                                                                                | 119 CFM                  | HRV: 150 CFM<br>ERV: 140 CFM                     | HRV: 140 CFM<br>ERV: 127 CFM                     | 133 CFM                  | HRV: 193 CFM<br>ERV: 182 CFM                                                   | 206 CFM                  | 225 CFM                  |
| SRE 32°F   0°C         |                      | 68% (64 CFM)                                                                           | ERV: 67%<br>(64 CFM)     | HRV: 68%<br>(64 CFM)<br>ERV: 67%<br>(64 CFM)     | HRV: 82%<br>(36 CFM)<br>ERV: 75%<br>(66 CFM)     | 81% (36 CFM)             | HRV: 78%<br>(64 CFM)<br>ERV: 81%<br>(66 CFM)                                   | 81% (64 CFM)             | 78% (66 CFM)             |
| SRE -13°F   -25°C      |                      | 60% (64 CFM)                                                                           | ERV: 56%<br>(64 CFM)     | HRV: 60%<br>(64 CFM)<br>ERV: 56%<br>(64 CFM)     | HRV: 63%<br>(64 CFM)                             | 63% (66 CFM)             | HRV: 68%<br>(83 CFM)<br>ERV: 64%<br>(83 CFM)                                   | 65% (83 CFM)             | 67% (81 CFM)             |
| VIRTUO TECHNOLOGY      |                      | Yes                                                                                    |                          |                                                  |                                                  |                          |                                                                                |                          |                          |
| VIRTUO TECHNOLOGY      | AIRFLOW VERIFICATION | Yes                                                                                    |                          |                                                  |                                                  |                          |                                                                                |                          |                          |
|                        | AUTO-BALANCING       | Yes                                                                                    |                          |                                                  |                                                  |                          |                                                                                |                          |                          |
|                        | SETTINGS VIA LCD     | Yes                                                                                    |                          |                                                  |                                                  |                          |                                                                                |                          |                          |
|                        | CONSTANT AIRFLOW     | Yes                                                                                    |                          |                                                  |                                                  |                          |                                                                                |                          |                          |
|                        | SMART ALGORITHM      | Yes                                                                                    |                          |                                                  |                                                  |                          |                                                                                |                          |                          |
| MOTOR                  |                      | ECM PMSM                                                                               |                          |                                                  |                                                  |                          |                                                                                |                          |                          |
| FILTRATION             |                      | MERV 8 (included), optional MERV 13                                                    |                          |                                                  |                                                  |                          |                                                                                |                          |                          |
| DIMENSIONS (H x W x D) |                      | Side ports: 19-1/8 x 23-1/2 x 16-1/8 in.<br>Top ports: 21-1/2 x 21 x 16-1/8 in.        |                          |                                                  |                                                  |                          | Side ports: 19-1/2" x 27-3/16" x 21"<br>Top ports: 21-11/16" x 24-13/16" x 21" |                          |                          |
| 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. | Round, top 6 in.                                                               | Round, top or side 6 in. | Round, top or side 6 in. |
| RECIRCULATION          |                      | Yes                                                                                    | Yes                      | Yes                                              | No                                               | Yes                      | Yes                                                                            | Yes                      | 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

