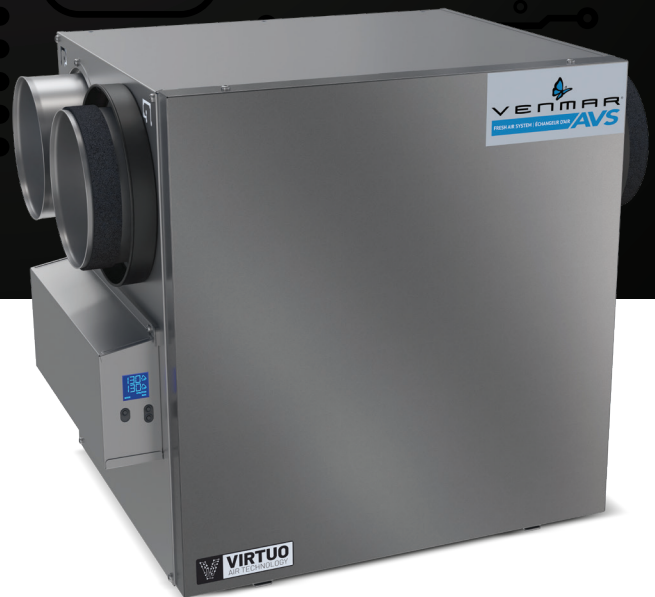


# The Fastest Installation in Its Category

**N Series**  
FRESH AIR SYSTEMS

**INTRODUCING  
VIRTUO AIR TECHNOLOGY**

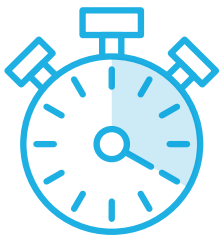
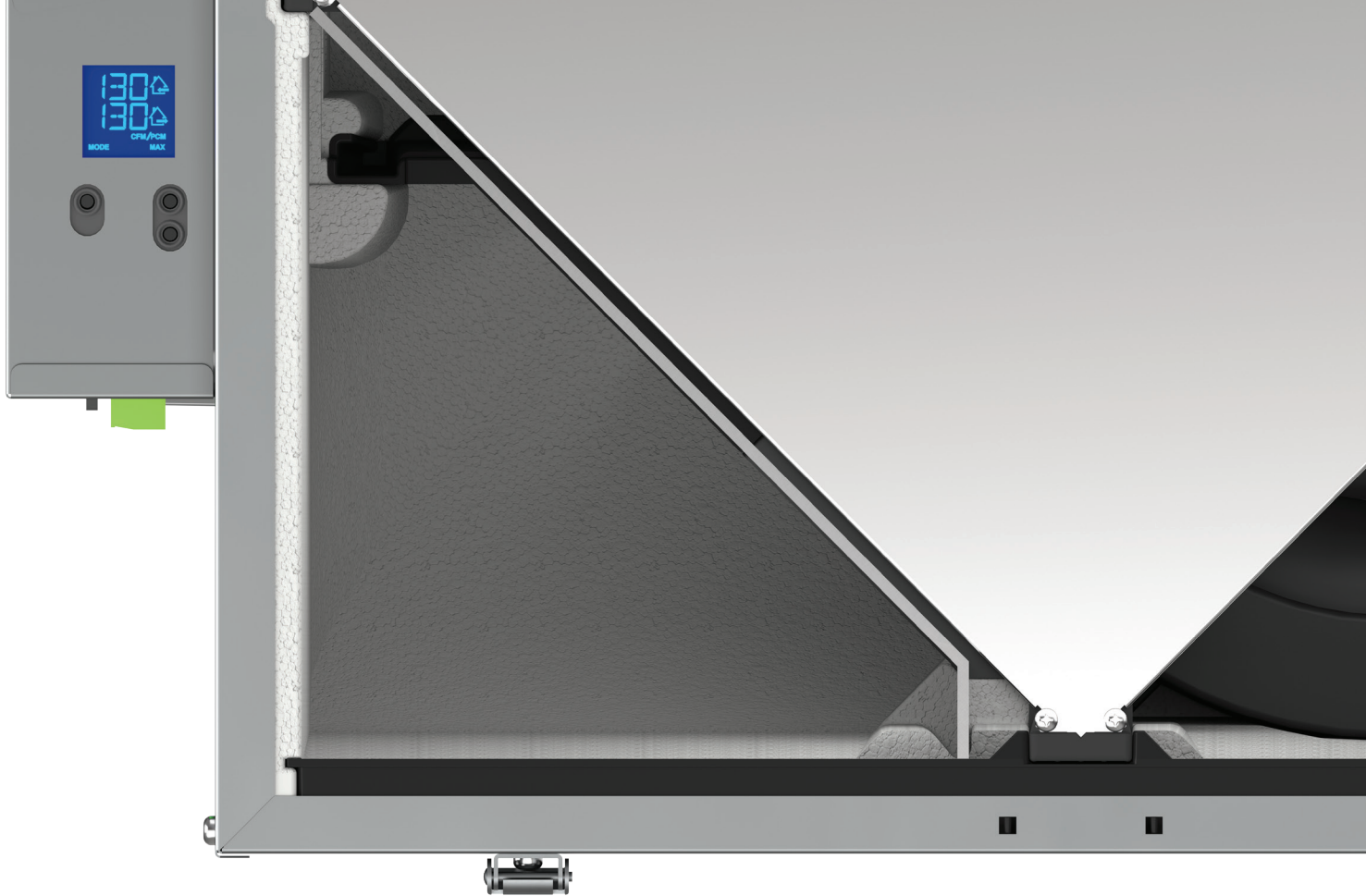


  
**VENMAR**  
**AVS**  
THE PROFESSIONALS' CHOICE



# Installing fresh air systems has never been so simple.

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 single and versatile platform: the **N 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

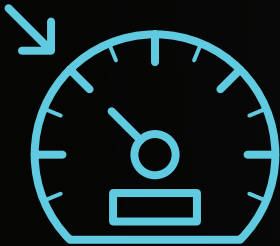
High-quality installation brings **peace of mind** for homeowners. User-friendly operation and additional automatic options and features allow users to easily draw maximum benefits from the units.



# 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

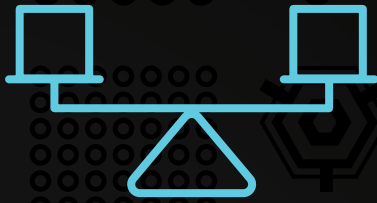
### **CONTINUOUS SELF-ADJUSTMENT**

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 N 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 Air Technology.

# 24/7

## Trained to Only Make the Right Decisions

### **A TESTED ALGORITHM THAT ENSURES HIGH PRECISION**

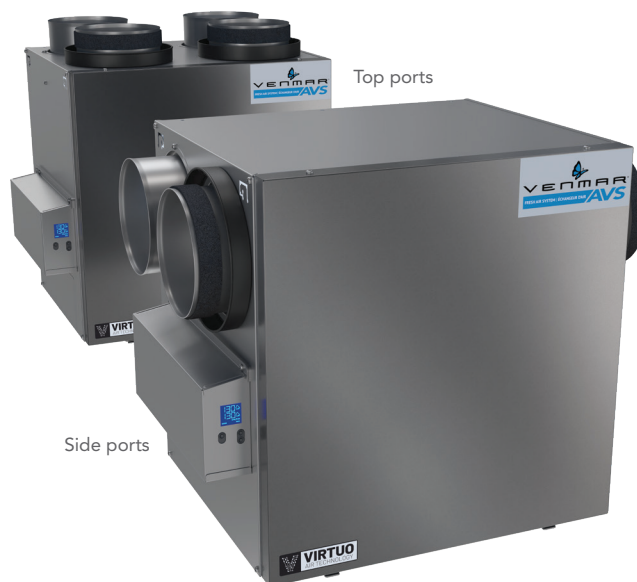
VIRTUO's intelligence was thought out, programmed and tested to maximize the full potential of the state-of-the-art components assembled into every N series unit. It uses fine motor speed adjustment capabilities to adjust ventilation with utmost precision. Its dynamic data analysis ensures fluid interaction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

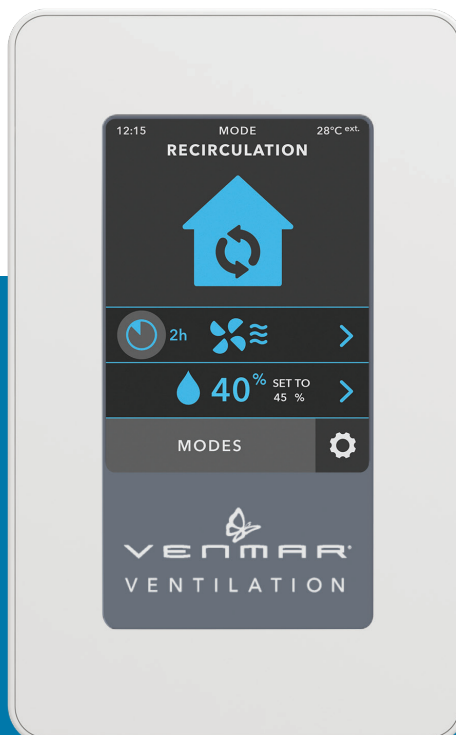
# Making Your Day Productive

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.



## Giving Users Full Control

When things are simple,  
everything is so much  
easier.



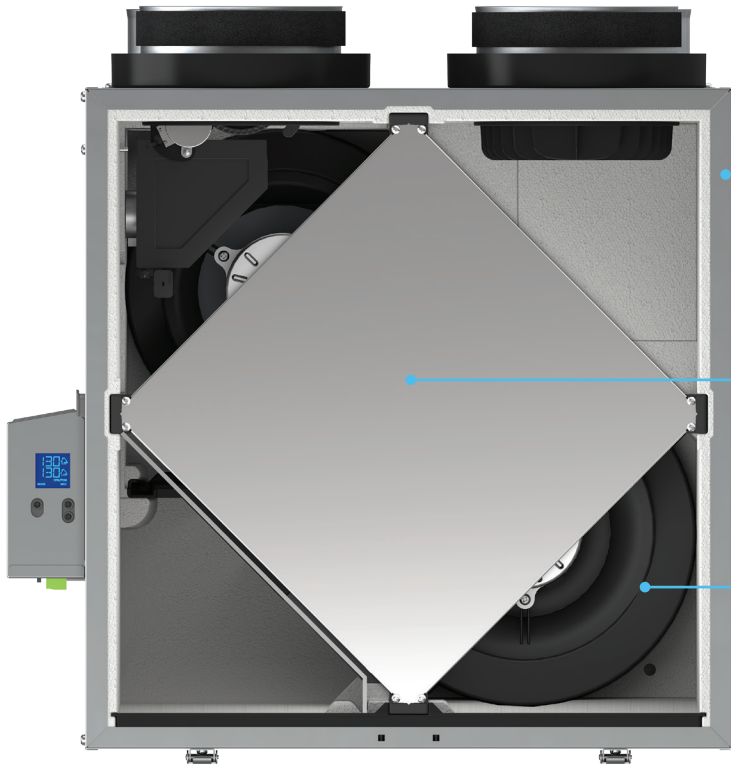
### User-Friendly Design

#### 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

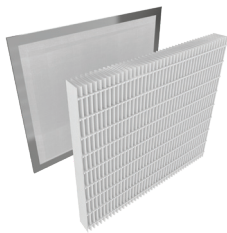
COMPACT DESIGN AND STANDARDIZED SIZE AND SHAPE TO FIT ALL APPLICATIONS  
SIMPLIFIED SERVICING AND MAINTENANCE

### Proven Core Durability and Performance

UP TO 75% SRE, TESTED UNDER EXTREME CONDITIONS (-35°C)  
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

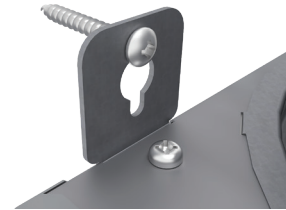


### Premium ECM PMSM Motors with Built-In Smart Technology

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**  
41404

**Dehumidistat Control**  
41402

### Override Controls



**20-40-60 Deluxe Control**  
41401

**20-40-60 Control**  
41400

### 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 new 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



# Technical Features

SPECIFICATIONS		A110H65RS A110H65RT	A130H65RS A130H65RT A130E65RS A130E65RT	A160H65RS A160H65RT A160E65RS A160E65RT	A150H75NS A150H75NT A150E75NS A150E75NT	A160H75RS A160H75RT A160E75RS A160E75RT
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 0°C		68%	HRV: 68% ERV: 67%	HRV: 68% ERV: 67%	75%	75%
SRE AT -25°C		60%	HRV: 60% ERV: 56%	HRV: 60% ERV: 56%	HRV: 60% ERV: 57%	HRV: 65% ERV: 63%
ASE AT 0°C*		72%	72%	72%	80%	80%
LATENT RECOVERY / MOISTURE TRANSFER AT 0°C		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	AIRFLOW VERIFICATION	Yes	Yes	Yes	Yes	Yes
	AUTO-BALANCING	Yes	Yes	Yes	Yes	Yes
	SETTINGS VIA LCD	Yes	Yes	Yes	Yes	Yes
	CONSTANT AIRFLOW	Yes	Yes	Yes	Yes	Yes
	SMART ALGORITHM	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					

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

\* Data are not HVI certified.

Authorized dealer

