

## N 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 more than 40 years, Venmar AVS 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 **N 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

N 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 N 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.



41403



**Automatic Control**  
41404

**Dehumidistat Control**  
41402

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

**20-40-60 Control**  
41400



### 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                             | A110H65RS<br>A110H65RT   | A130H65RS<br>A130H65RT<br>A130E65RS<br>A130E65RT | A160H65RS<br>A160H65RT<br>A160E65RS<br>A160E65RT | A150H75NS<br>A150H75NT<br>A150E75NS<br>A150E75NT | A160H75RS<br>A160H75RT<br>A160E75RS<br>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<br>ERV: 150 CFM                     | HRV: 150 CFM<br>ERV: 136 CFM                     | HRV: 160 CFM<br>ERV: 140 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                     | HRV: 150 CFM<br>ERV: 133 CFM                     |
| SRE AT 0°C                                 | 68%  | HRV: 68%<br>ERV: 67%                             | HRV: 68%<br>ERV: 67%                             | 75%  | 75%  |
| SRE AT -25°C                               | 60%  | HRV: 60%<br>ERV: 56%                             | HRV: 60%<br>ERV: 56%                             | HRV: 60%<br>ERV: 57%                             | HRV: 65%<br>ERV: 63%                             |
| ASE AT 0°C*                                | 72%  | 72%  | 72%  | 80%  | 80%  |
| LATENT RECOVERY / MOISTURE TRANSFER AT 0°C | N/A  | HRV: N/A<br>ERV: 65%                             | HRV: N/A<br>ERV: 65%                             | HRV: N/A<br>ERV: 67%                             | HRV: N/A<br>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<br>5 in.  | Round, top or side<br>5 in.                      | Round, top or side<br>6 in.                      | Round, top or side<br>5 in.                      | Round, top or side<br>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



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