



Fantech

Energy Recovery Ventilator

ERV Models

SER 1504N & SER 2004N



FEATURES

- EBM Motors
- No Defrost Needed
- Compact Design
- Efficient Energy Transfer Core
- Electrostatic Filters (washable)
- External Screw Type Dry Contacts
- Improved Core Guide Channels For Easy Removal Of Core
- Powder Coated Cabinets
- Better Packaging For More Protection In Shipping
- Built-in Protection on Board
- Fully Insulated Cabinet
- Easy Access Door - Open Up
- External Electrical Box
- Service Light Indicator

OPTIONAL CONTROLS

- EDF 2 – Digital Multi-Function Wall Control
- RTS 2 – 15 Minute Pushbutton Timer
- FD 30M – 30 Minute Crank Timer
- AQS 1 – Air Quality Sensor

WARRANTIES

- Motors – 7 year (Limited)
- Core – 5 year (Limited)
- Other – 5 year (Limited)

Introducing the NEW SER"N" Series of ERVs by Fantech. Incoming fresh outdoor air is filtered then cooled and dehumidified by the stale outgoing air, as it passes through an enthalpic energy recovery core. The ERV then distributes the conditioned air throughout the home by direct ductwork installed specifically for the ERV or through the ductwork of a forced-air system.

SPECIFICATIONS

CASE 22 gauge galvanized steel on the SER 2004N & 24 gauge galvanized steel on the SER 1504N. Baked powder coated paint, antique white. Insulated with 1" (25 mm) high density polystyrene foam to prevent condensation and meet the requirements of the Underwriters Laboratories 94HF.

MOTORS Two German-manufactured, factory balanced ebm motors with backward curved blades and permanently lubricated sealed bearings. Engineered to run over 100,000 hours continuously. Motor warranty 7 years.

CORE One semi-permeable energy recovery core configured for an efficient cross-flow ventilation. Core is 9" x 9" (229 x 229 mm) with a 15" (380 mm) depth (SER 1504N) or 12" x 12" (305 x 305 mm) with a 15" (380 mm) depth (SER 2004N). Cores are manufactured to withstand extreme temperature variations. Core warranty 5 years.

FILTERS Two (2) Washable Electrostatic Panel Type Air Filters, SER 1504N is 8.5" (216mm) x 15" (380mm) x 0.125" (3mm), SER 2004N is 11.75" (298mm) x 15" (380mm) x 0.125" (3mm).

CONTROLS External three (3) position (Low/Stand By/Medium) rocker switch that will offer continuous ventilation. Fantech offers a variety of external controls. (see optional controls) External dry contacts provided.

SERVICEABILITY Core, filters, and motors can be easily serviced through latched access door. Electrical box, placed on the outside of the unit, can also be easily accessed.

Core: Energy Recovery Units feature a limited 5 year warranty on the enthalpic core.

Washable Electrostatic Filters

Superior EBM Motors: Units are designed with German manufactured EBM external rotor motorized impellers – the most durable motors in the industry. Precise balancing ensures vibration-free operation. No maintenance needed. 7 Year Limited Warranty.



Fully Insulated Cabinet:

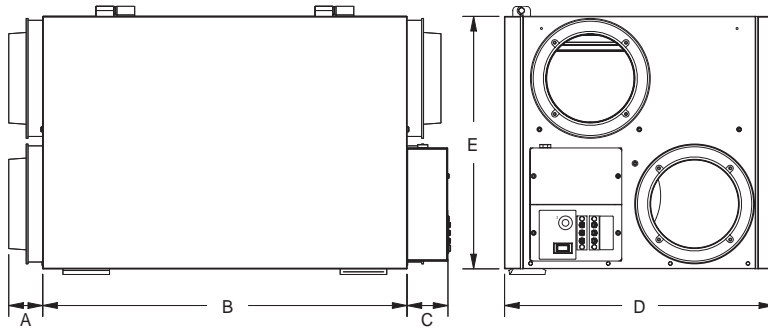
Baked powder-coat finish. Insulated with 1" (25mm) high density polystyrene foam. For quiet, trouble-free operation.

Electronic Control Board:

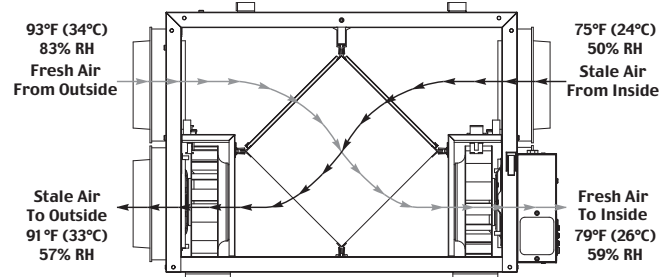
Units feature state-of-the-art control boards for easy connection to existing HVAC equipment. All units are designed for easy operation from a series of optional remote controls.

SER 1504N & SER 2004N Series Energy Recovery Ventilators

Dimensions



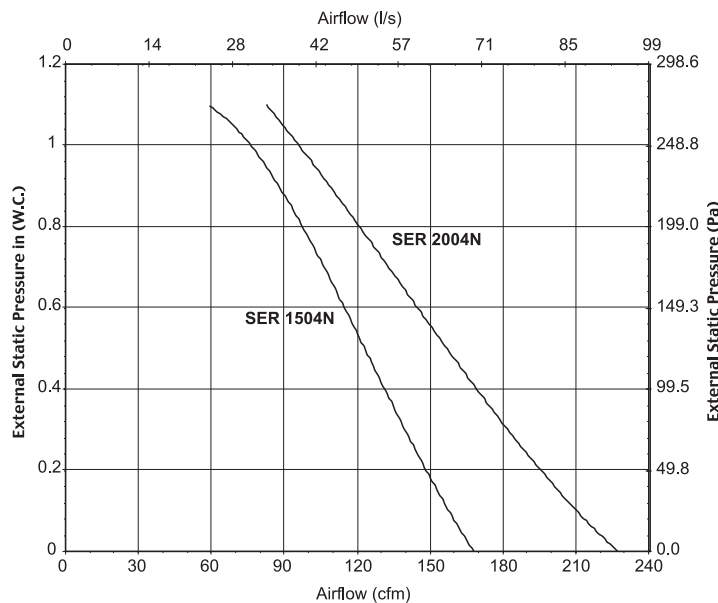
Airflow



Temperature and Humidity transfer shown is approximate and for illustration purpose only.

Model	SER 1504N	SER 2004N
A	2 ¼" (56mm)	2 ¼" (56mm)
B	23 ½" (596mm)	27 ⅞" (707mm)
C	2 ⅝" (67mm)	2 ⅝" (67mm)
D	17 ⅜" (441mm)	17 ⅜" (441mm)
E	16 ⅛" (413mm)	20 ½" (520mm)

Fan Performance



Performance Data

Model	Total Recovery Efficiency at 95°F (35°C)	Net Moisture Transfer % at 32°F (0°C)
SER 1504N	49 %	58 %
SER 2004N	57 %	62 %

Power

- Volts 120 VAC
- Amperage
 - SER 1504N 1.5 Amps
 - SER 2004N 1.9 Amps
- Phase Single Phase



Submitted by:	Date:
Qty:	Model #:
Comments:	
Project #:	
Location:	
Architect:	
Engineer:	
Contractor:	



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