

# SE 704N

## Energy Recovery Ventilator

Product #: 463801



Fantech's smallest and most compact side duct connection ERV, the SE 704N unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. The enthalpic core at the center of the unit transfers heat and moisture from the incoming air to the outgoing air that was cooled and dried by the building's air conditioner.

### Features

- Super Compact Size
- Includes Easy-Mount Wall Bracket
- Enthalpy Core
- No Balancing Required
- Unit Can Be Installed In Any Position
- No Defrost or Drain Pan Needed
- Easy Access Service Door
- Only 25 lbs (11 kg)
- Electrostatic Filters (washable)
- Easy Core Guide Channels For Removing Core
- Single Speed Ventilation

### Accessories

- FTD 7 – 7 Day Digital Programmable Timer
- COM 4P – 4" Weather Hoods (1 supply & 1 exhaust)
- FEL 4 – 4" 90° Elbow
- CG 4 – 4" Adjustable Grille

### Specifications

- Duct size – 4" (100 mm)
- Voltage/Phase – 120/1
- Power rated – 47 W
- Amp – 1.4 A
- Average airflow – 56 cfm (26 L/s)  
@ 0.4" P<sub>s</sub> (100Pa)

### Fans

Two (2) factory-balanced fans with backward curved blades. Motors come with permanently lubricated, sealed ball-bearings to guarantee long life and maintenance-free operation.

### Energy Recovery Core

AHRI certified core made from water vapor transport durable polymer membrane that is highly permeable to humidity. The ERV core is freeze tolerant and water washable. Core dimensions are 8.5" x 8.5" (216 x 216 mm) with a 8" (205 mm) depth.

### Serviceability

Core, filters, fans, drain pan and electrical panel can be accessed easily from the access panel. Core conveniently slides out with only 10" (250 mm) clearance.

### Case

22 gauge galvanized pre-painted steel corrosion resistant

### Insulation

Cabinet is fully insulated with 1" (25 mm) high density expanded polystyrene.

### Filters

Two (2) washable electrostatic panel type air filters 8.5" (216mm) x 8" (205mm) x 0.125" (3mm).

### Controls

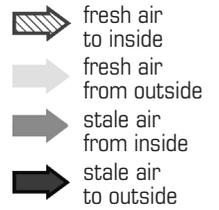
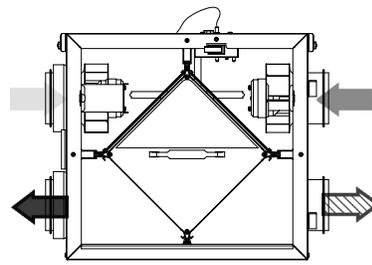
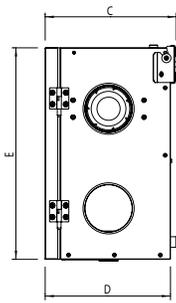
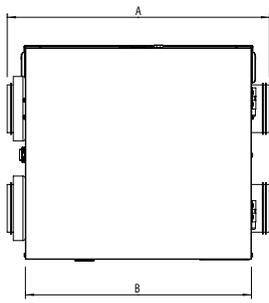
Unit is designed to operate continuously on a single speed. See FDT 7 under accessories or contact Tech Support for possible intermittent, line-voltage options.

### Warranty

Limited 5 year on Enthalpy core, 7 year on motors, and 5 year on parts.



## Dimensions & Airflow

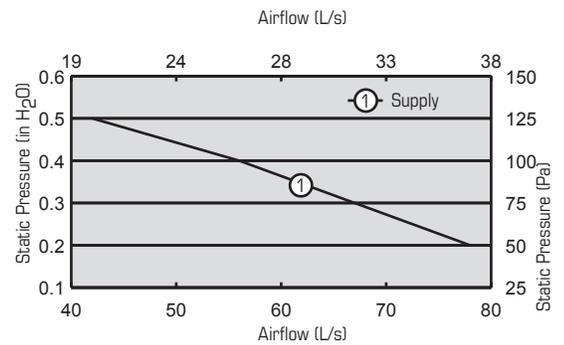


| Model  | A      |     | B      |     | C        |     | D       |     | E      |     |
|--------|--------|-----|--------|-----|----------|-----|---------|-----|--------|-----|
|        | in     | mm  | in     | mm  | in       | mm  | in      | mm  | in     | mm  |
| SE704N | 19 3/4 | 502 | 18 1/2 | 470 | 10 11/16 | 271 | 10 3/16 | 259 | 17 1/4 | 437 |

Clearance of 10" (250 mm) in front of the unit is recommended for removal of core. All units feature three foot plug-in power cord with 3-prong plug.

## Ventilation Performance

| in. wg. (Pa)       | 0.2 (50)  | 0.3 (75)  | 0.4 (100) | 0.5 (125) | 0.6 (150) |
|--------------------|-----------|-----------|-----------|-----------|-----------|
|                    | cfm (L/s) |
| Net supply airflow | 78 (37)   | 67 (30)   | 56 (26)   | 42 (20)   | -         |



|         | Supply temperature |     | Net airflow |     | Consumed Power | Net effectiveness |        |       |
|---------|--------------------|-----|-------------|-----|----------------|-------------------|--------|-------|
|         | °F                 | °C  | cfm         | L/s |                | Sensible          | Latent | Total |
|         |                    |     |             |     | %              | %                 | %      |       |
| Heating | 35                 | 1.7 | 40          | 19  | 39             | 62                | 44     | 55    |
|         | 35                 | 1.7 | 60          | 28  | 42             | 59                | 41     | 53    |
|         | 35                 | 1.7 | 80          | 38  | 43             | 56                | 37     | 50    |
| Cooling | 95                 | 35  | 40          | 19  | 39             | 62                | 30     | 50    |
|         | 95                 | 35  | 60          | 28  | 42             | 59                | 37     | 46    |
|         | 95                 | 35  | 80          | 38  | 43             | 56                | 33     | 42    |

## Requirements and standards

- Complies with the UL 1812 requirements regulating the construction and installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 no. 113 Standard applicable to ventilators
- Complies with the CSA F326 requirements regulating the installation of Heat Recovery Ventilators
- Technical data was obtained from published results of test relating to CSA C439 Standards
- Energy Recovery Core is ISO 846 certified for mold and bacteria resistance and AHRI certified (certificate #8931525)
- Technical data was obtained from published results of test relating to AHRI 1060 Standards

## Contacts

|                  |             |
|------------------|-------------|
| Submitted by:    | Date:       |
| Quantity: Model: | Project #:  |
| Comments:        |             |
| Location:        |             |
| Architect:       |             |
| Engineer:        | Contractor: |

## Distributed by:

United States 10048 Industrial Blvd. • Lenexa, KS 66215 • 1.800.747.1762 • www.fantech.net

Canada 50 Kanalfakt Way • Bouctouche, NB E4S 3M5 • 1.800.565.3548 • www.fantech.net

Fantech, reserves the right to modify, at any time and without notice, any or all of its products' features, designs, components and specifications to maintain their technological leadership position.



**fantech**®  
a systemair company