

## SE 704N

### Energy Recovery Ventilator



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

Semi-permeable energy recovery core configured for an efficient cross-flow ventilation. Core dimensions are 8.5" x 8.5" (216 x 216 mm) with a 8" (205 mm) depth. Our heat exchangers are designed and manufactured to withstand extreme temperature variations.

#### 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

24 gauge galvanized steel. Baked powder coated paint.

#### 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).

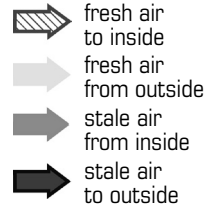
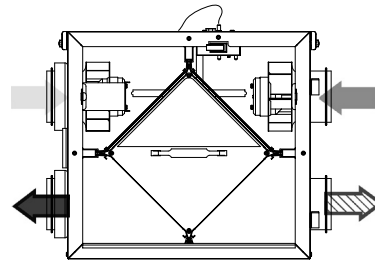
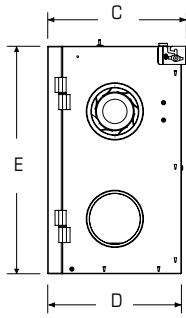
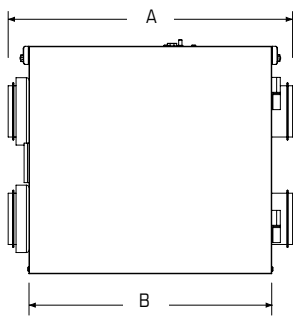
#### Controls

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

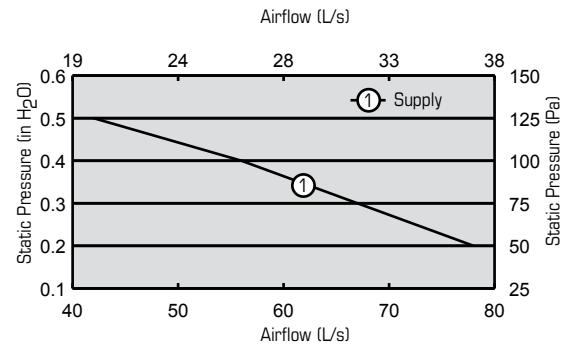


Model	A		B		C		D		E	
	in	mm	in	mm	in	mm	in	mm	in	mm
SE704N	19 3/4	502	18 1/2	470	10 11/16	271	10 3/16	259	17 1/4	437

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)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)
Net supply airflow	78 (37)	67 (30)	56 (26)	42 (20)	-



## Energy performance

Heating	Supply temperature		Net airflow		Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/ moisture transfer	Total recovery efficiency
	°F	°C	cfm	L/s	W	%	%	%	%
	32	0	68	32	40	30	75	39	42
Cooling	95	35	74	35	40	33	68	39	58
	95	35	64	30	40	39	68	42	39

## 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

## Contacts

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

## Distributed by:

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