

SHR Recovery ventilators

HRV for balanced ventilation in residential and commercial applications

- **Light Commercial Heat Recovery Ventilator**
 - Side Port Connections
 - Light Commercial Projects
 - Reversible Doors (Other Models)
 - External 3-position switch Low/Standby/High (Other Models)

Energy Efficiency

Facilitates energy savings by recovering energy from the building's exhaust air and using it to temper the incoming outdoor air.

Year-round performance

Equipped with automatic defrost mechanisms, the appliance can operate effectively throughout the year, even in cold climates.

Versatile Applications

Designed to serve a wide range of commercial and institutional spaces, where balanced ventilation is essential.

Defrost Mode

Equipped with a supply fan shutdown defrost to prevent the heat recovery core from freezing to maximize performance in cold climates.

Certifications



CSA Mark

This product has been rigorously tested to applicable standards written or administered by the ANSI, UL, CSA, NSF, and other North American and global organisations.



HVI Certified

HVI certification is a voluntary third-party certification programme to verify performance of residential ventilation products, in accordance with HVI/ANSI consensus test standards. Visit the HVI-Certified Products Directory to learn more.

Technical parameters

Unit

Frequency	60	Hz
Voltage (nominal)	120	V
Phases	1~	
Input current	0.4	A
Input power	48	W
Air flow	52	cfm
Product type	Heat recovery unit	

Heat Exchanger

Recovery type	Heat recovery	
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Others

Installation type	Horizontal	
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Dimensions and weights

Weight	11.03	kg
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Certificates

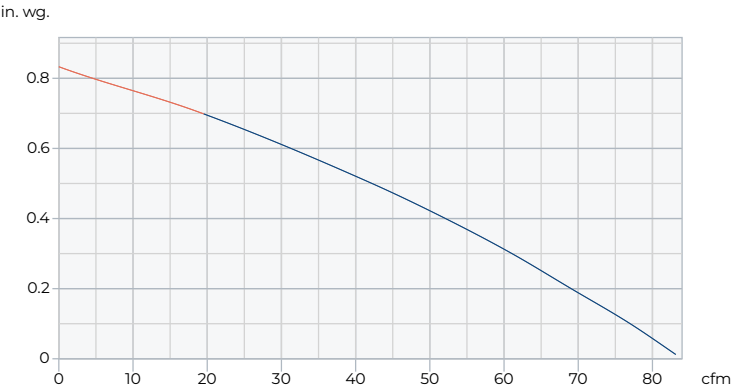
Certificate	HVI, CSA	
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Performance

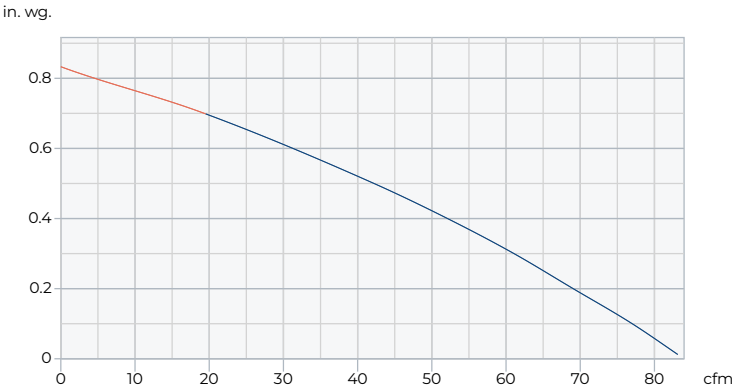
⚠ Recommended low airflow is outside valid range

⚠ Recommended high airflow is outside valid range

Supply - Performance curve

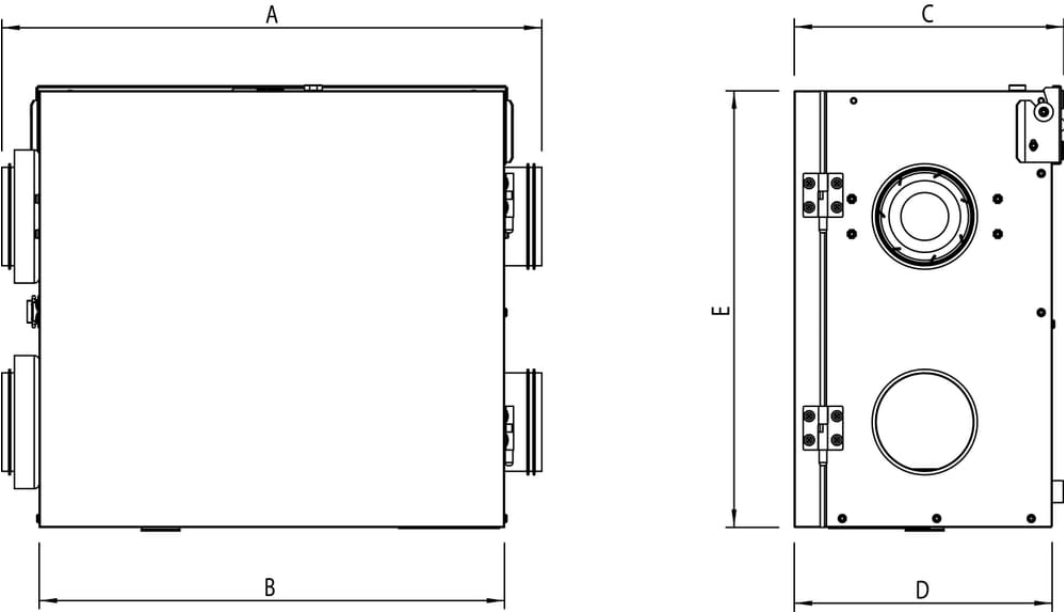


Extract - Performance curve



Unit	Supply	Extract
Air density	0.075 lb/ft³	

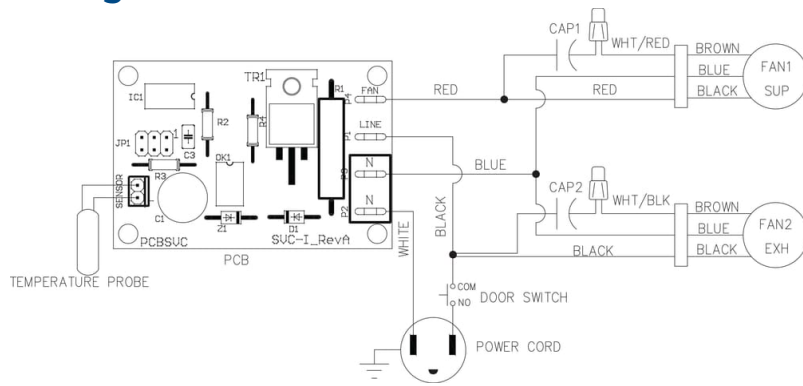
Dimension



Model	A	B	C	D	E
SE704N	19 3/4 (502)	18 1/2 (470)	10 11/16 (271)	10 3/16 (259)	17 1/4 (438)

Dimensional information is in inches (mm).

Wiring



AHU Accessories

- COM4P Supply and Exhaust Hoods (40369)
- Filter, MERV6, 70 cfm, Repl. kit (414644)
- FTD7 7-day digital timer (49792)
- MGE 4 Metal Exhaust Grill (411106)
- FIDT 4 Insulated Flex Duct (411061)
- Filter, MERV8, 70 cfm, Repl. kit (414921)
- MATRIX 6", 2 in 1 Vent Hood (413640)
- MGS 4 Metal Supply Grill (411368)

Documents

- 444788 SH704 IOM EN FR.pdf
- 444795 SH704 Spec Sheet.pdf

CSI Specification

Two (2) factory-balanced motors with backward curved blades. Motors come with permanently lubricated sealed ball bearings guarantee long life and maintenance-free operation. Seven (7) year warranty. Steep fan curves requires no balancing of airflows. core covered by a limited lifetime warranty. Core dimensions are 8.5" x 8.5" (216 x 216 mm) with a 8" (203 mm) depth. Our heat exchangers are designed and manufactured to withstand extreme temperature variations.

The automatic defrost cycle consists of a fan shutdown. When the supply air stream temperature goes below 23°F (-5°C), the supply motor shuts down while the exhaust motor continues to ventilate. Ambient air is passed through the unit for a period of 3 or 5 minutes. The supply motor will then re-start and run at the preset speed. This fan shutdown defrost cycle continues until the supply air stream rises above 23°F (-5°C).

Core, filters, motors and drain pan can be easily accessed through latched door. Core conveniently slides out on our new easy glide core guides. 10" (250mm) of clearance is recommended for removal of core.

4" (100mm) steel duct connections with rubber gasket for easy sealing.

24 gauge galvanized steel. Baked power-coated paint for a superior adhesion and resistance.

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

Two (2) washable electrostatic panel type air filters 8.5" (216mm) x 8" 203mm) x 0.125" (3mm).

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

1/2" (13mm) OD (outside diameter) drain spout provided, entire bottom of unit covered by drain pan.

Limited lifetime on aluminum core, 7 year on motors, and 5 year on parts.