Profile 0.7E (P 0.7E)

Fresh Air Appliance (FAA/ERV)

Product #: 463986

The P 0.7E is the smallest and most compact ERV within the Greentek line. With a profile of only 18.5" x 19.5" and 9.75" high, the P 0.7E is ideally suited for small condos and apartments that have no mechanical room and where it must be located over a false ceiling. The P 0.7E brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. The energy recovery core at the center of the unit transfers both heat and moisture from the incoming air to the outgoing air that was cooled and dried by the building's air conditioner.

Features

- Compact design, only 10.4" (264 mm) installed depth
- No drain required
- Easy to install on ceiling or wall with mounting bracket included
- Energy recovery core
- Electrostatic filters (washable)
- Removable screw terminal for easy connection with external access
- Multiple speed operation
- Lightweight, only 29lbs (13kg) including core

Optional Controls

- STS 2.0 (461580) Programmable touch screen wall control
- EHC 2.5 (415518) Electronic multi-function dehumidistat
- EHC 2.0 (415520) Multi-function controller
- T4 (415519) Wired digital timer 20/40/60 minutes
- T5 (463915) Pushbutton timer 20/40/60 minutes
- RD-1 (463020) Dehumidistat

Specifications

- Duct size – 4" (100 mm) round
- Voltage/Phase – 120/1
- Rated power – 58 W
- Running amperage – 0.6 A
- CSA rated amperage – 1.1 A
- Average airflow – 70 cfm (50 L/s)@ 0.4" Ps (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.

Frost Prevention

A preset frost prevention sequence is activated at an outdoor air temperature of 14°F (-10°C) and lower. During the frost prevention sequence, the supply blower shuts down and the exhaust blower switches into high speed to maximize the effectiveness of the frost prevention strategy. The unit then returns to normal operation, and continues cycle.

Serviceability

Core, filters, fans and electrical panel can be accessed easily from the access panel. Core conveniently slides out with only 8" (205 mm) clearance.

Duct Connections

4" (100mm round metal duct connections with rubberized seal

Case

22 gauge G90 galvanized corrosion resistant steel case (pre-painted door).

Insulation

Insulated with 1 in. (25 mm) of high density polystyrene.

Filters

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

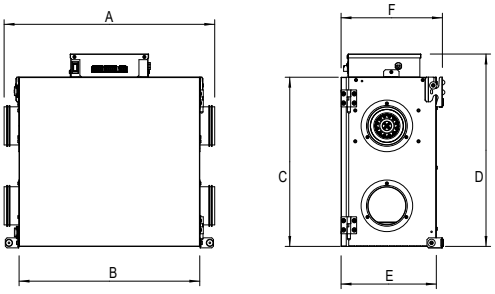
Installation

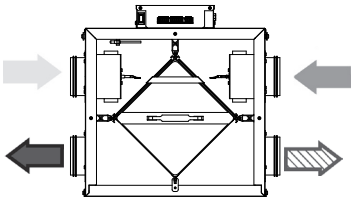
Unit is typically hung by using ceiling bracket supplied with unit. Optional chain kit available.

Warranty

5 years on energy recovery core, 7 year on motors, and 5 year on parts.

Dimensions & Airflow





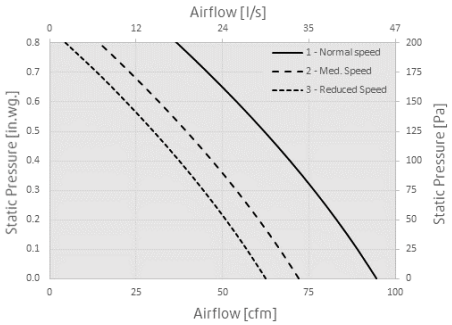
fresh air to inside
fresh air from outside
stale air from inside
stale air to outside

Model	A		B		C		D		E		F	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
P 0.7E	21 1/2	546	18 1/2	470	17 1/4	483	19 5/8	498	9 3/4	248	10 3/8	264

Clearance of 8" (203 mm) in front of the unit is recommended for removal of core.

Ventilation Performance

in.wg. (Pa)	0.1 (25)	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)	cfm (L/s)
Net supply airflow	89 (42)	83 (39)	76 (36)	70 (33)	61 (29)	53 (25)
Gross supply airflow	93 (44)	87 (41)	81 (38)	72 (34)	66 (31)	55 (26)
Gross exhaust airflow	93 (44)	87 (41)	81 (38)	72 (34)	66 (31)	55 (26)



Energy performance

	Supply temperature		Net airflow		Consumed power	Sensible recovery efficiency	Adjusted Sensible recovery efficiency	Apparent sensible effectiveness[1]	Latent recovery/moisture transfer
	°F	°C	cfm	L/s	W	%	%	%	%
Heating	32	0	51	24	40	70	75	78	45
	32	0	59	28	44	67	72	77	42
	32	0	70	33	52	65	69	74	40
	5	-15	55	26	42	55	58	76	35

	Supply temperature		Net airflow		Consumed power	Total recovery efficiency	Adjusted Total recovery efficiency	Apparent sensible effectiveness[1]	Latent recovery/moisture transfer
	°F	°C	cfm	L/s	W	%	%	%	%
Cooling	95	35	51	24	40	40	43	72	30

[1] ASE is not an HVI certified value

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
- ERV Core ISO 846 certified for mold and bacteria resistance
- HVI certified

Contacts

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

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