



FIT Fresh air appliances

ERV for balanced ventilation in multi-family homes

The FIT residential ERVs (energy recovery ventilators) improve indoor air quality (IAQ) and help lower the project's HERS score.

- **Energy Recovery Ventilator (ERV)**
 - Airflow up to 78 cfm @ 0.4" w.g. (FIT 80 models) and up to 129* cfm @ 0.4" w.g. (FIT 120E models)
 - 4" duct connection (FIT 80E, FIT 80E-D)
 - 5" duct connection (all FIT 120E models)
 - Compact light-weight design with 10" installed depth
 - Energy-efficient crossflow core with SRE up to 77% (0C/32F)
 - Optional MERV8 or MERV13 replacement filters
 - Mechanical shut-off damper (-D version)
 - ENERGY STAR Certified (-EC version of select FIT 120E models)
 - Streamline installation with mirrored versions for mirrored floor plans (-M version)
 - Hardwired (hard-connect) for direct connection to the home electrical mains (-HC version)
 - Certifications: CSA, HVI, ENERGY STAR® (FIT 120E-D-EC only)
 - Limited warranty (7 years on motors, 5 years on parts and core)
- *For airflow details on specific models, see the Diagram section on this page

[Find more details in our online catalogue](#)

FIT fits multi-family projects

Designed for multi-family residential applications, the FIT® appliance brings a continuous supply of fresh air into the premises while exhausting an equal amount of contaminated air out.

10" Installed Depth

Simplifies installations with limited mechanical space, such as over a false ceiling.

Energy Efficiency

The energy recovery core transfers both heat & moisture from the outgoing exhaust air to the incoming fresh air, reducing the energy required to condition it.

Frost Prevention

Equipped with a preset frost prevention sequence, the appliances automatically activate when outdoor temperatures drop to 14°F (-10°C) or lower.

Certifications



HVI Certified



CSA Mark

In the Box

This appliance comes with two washable, UL900-certified, electrostatic panel-type air filters, integrated in-door manometer ports, an external electrical box with easy-connect ports, a ceiling mounting bracket, and metal collars with rubber gaskets to ensure a tight connection on rigid ductwork.

Technical parameters

Product

Voltage (nominal)	120	V
Phases	1~	
Input power	120	W
Input current	1	A
Air flow	127	cfm
Certificate	CSA, HVI	

Exchanger

Heat exchanger	Energy recovery
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Dimensions and weights

Weight	33.5	lb
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Used for

Installation type	Ceiling; False ceiling
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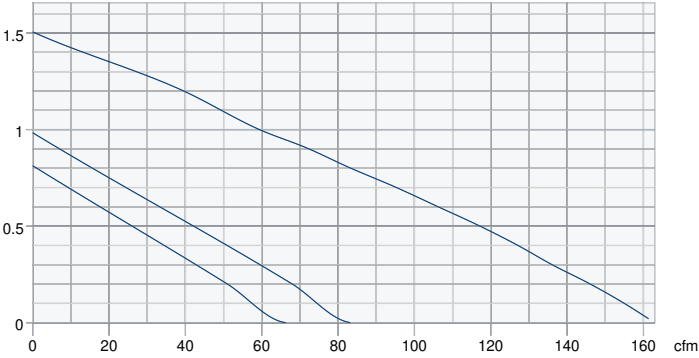
Performance

 Recommended low airflow is outside valid range

 Recommended high airflow is outside valid range

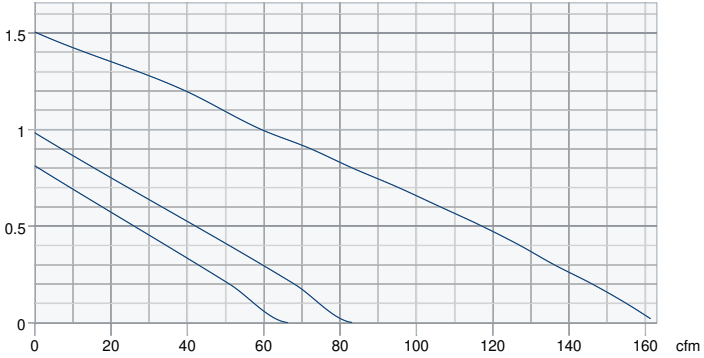
Supply - Performance curve

in. wg.



Extract - Performance curve

in. wg.

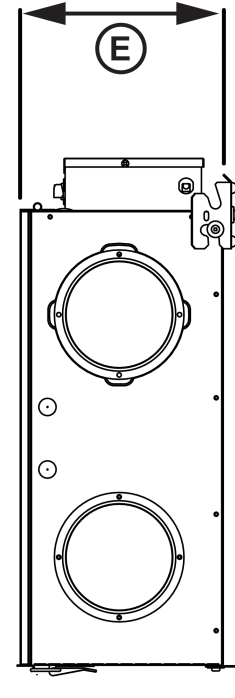
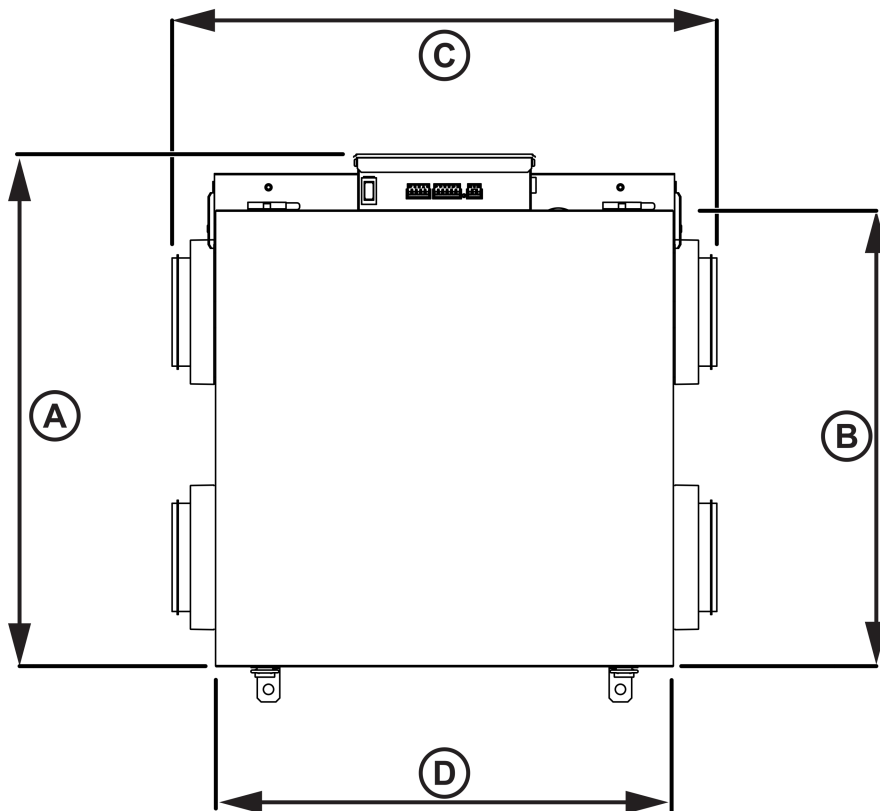


Unit	Supply	Extract
Air density	0.075 lb/ft³	

Performances

	Supply temperat ure	Net airfl ow	Consu med power	Sensible recovery efficiency	Adjusted sensible recovery efficiency	Latent recovery/ moisture transfer
	°F(°C)	cfm (L/s)	W	%	%	%
H e a t i n g	32 (0)	51 (24)	55	74	81	76
	32 (0)	68 (32)	63	69	75	71
	32 (0)	131 (62)	104	64	69	60
	-13 (-25)	51 (24)	55	61	63	54
	Supply temperat ure	Net airfl ow	Consu med power	Total recovery efficiency	Adjusted total recovery efficiency	Latent recovery / moisture transfer
	°F(°C)	cfm (L/s)	W	%	%	%
C o o l i n g	95 (35)	51 (24)	55	64	68	68

Dimensions



A	B	C	D	E	F	Duct size
23 5/32 (588)	20 3/4 (527)	24 5/8 (625)	20 27/32 (529)	10 (254)	9 1/4 (235)	5 (125)

Dimensions in inches (mm)

Accessories

- ECO-Feel ® Auto IAQ control (414729)
- FIDT 5 Insulated Flex Duct (411062)
- MGE 5 Metal Exhaust Grill (411370)
- RTS2 Push-button timer (40164)
- EDF3 Electronic control (415515)
- Filter,MERV8,Xflow,FIT120E (461674)
- ECO-Touch ® Auto IAQ control (414727)
- MATRIX 6", 2 in 1 Vent Hood (413640)
- MGS 5 Metal Supply Grill (411369)
- RTS5 Push-button timer (44794)
- Filter,MERV13,Xflow,FIT120E (461675)
- RTS4 Push-button timer (415516)

Documents

- E1993_FIT_SERIES_BROCHURE_EN.PDF
- E1994_FAA_SELECTION_RESIDENTIAL.PDF
- 445657_IOM_FIT_EN.PDF
- 464950 Fit 120E-M Submittal Sheet
- Fit 120E-M Spec sheet
- E400096__FIT_120E_-_120E-M_DIMENSIONAL_SUBMITTAL.PDF
- CSI_SPEC_FIT_120E_SERIES_-_ERV.ZIP