

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 129 cfm @ 0.4" w.g
- 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 of select FIT 120E models)
- 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)

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

Performances

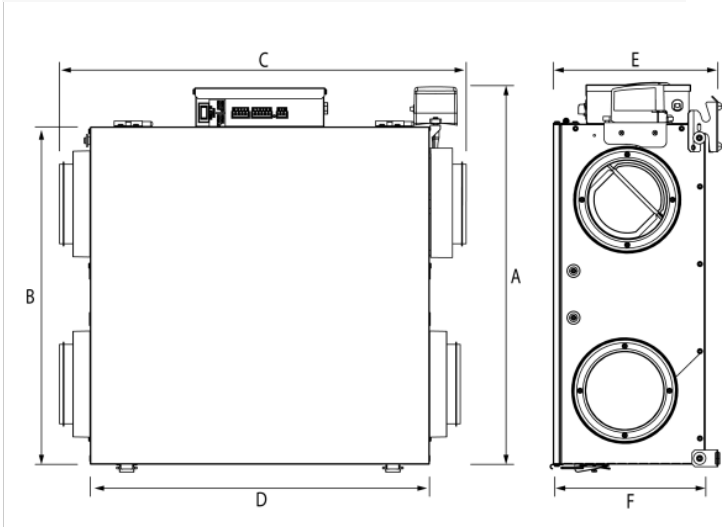
Technical parameters

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	
Dimensions and weights		
Weight	32.6	lb
Used for		
Installation type	Ceiling; False ceiling	

	Supply temperature °F(°C)	Net air flow cfm (L/s)	Consumed power W	Sensible recovery efficiency %	Adjusted sensible recovery efficiency %	Latent recovery / moisture transfer %
Heating	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 temperature °F(°C)	Net air flow cfm (L/s)	Consumed power W	Total recovery efficiency %	Adjusted total recovery efficiency %	Latent recovery / moisture transfer %
Cooling	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)	25 1/16 (636)	20 27/32 (529)	10 (254)	9 1/4 (235)	5 (125)
Dimensions in inches (mm).						

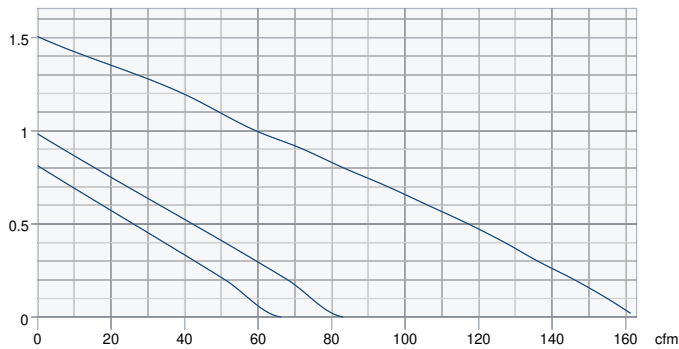


⚠ Recommended low airflow is outside valid range

⚠ Recommended high airflow is outside valid range

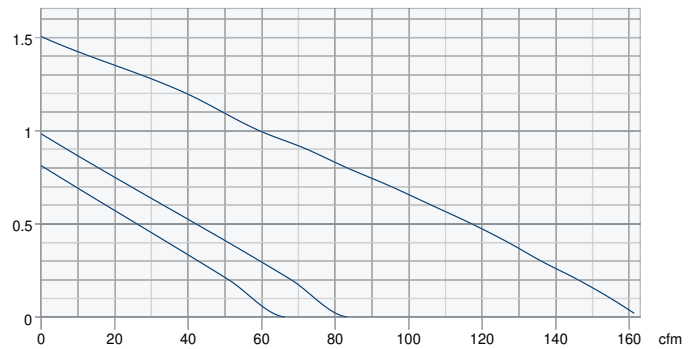
Supply - Performance curve

in. wg.



Extract - Performance curve

in. wg.



Unit	Supply	Extract
Air density		0.075 lb/ft³

Accessories

ECO-Feel ® Auto IAQ control (414729)

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)

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)

Documents

E1993_FIT_SERIES_BROCHURE_EN.PDF

E1994_FAA_SELECTION_RESIDENTIAL.PDF

E2014_FILTERS__1__.PDF

445657_IOM_FIT_EN.PDF

464946 Fit 120E-D-M Spec Sheet

464952 Fit 120E-D-M Submittal Sheet

E400098__FIT_120E-D-M_-_120E-D-EC-M_DIMENSIONAL_SUBMITTAL.PDF

CSI_SPEC_FIT_120E_SERIES_-_ERV.ZIP