



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](#)

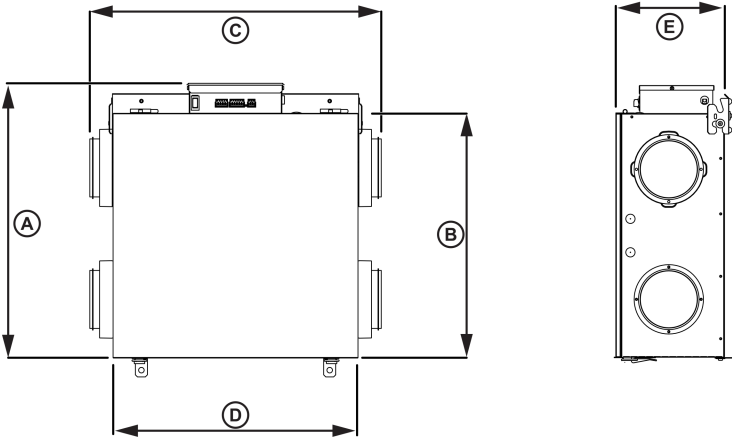
Performances

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	33.5	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

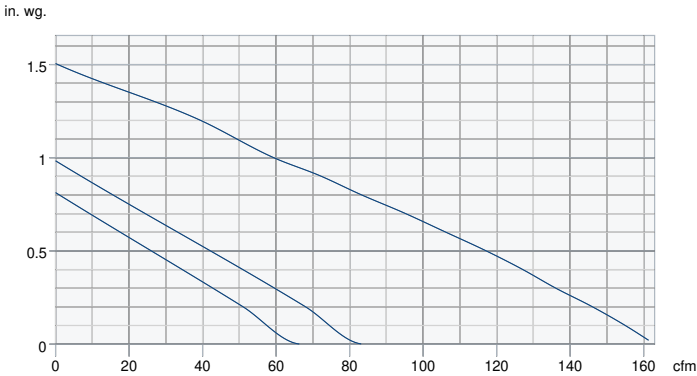


A	B	C	D	E	F	Duct size
23 5/32 (588)	20 3/4 (527)	24 5/8 (625)	20 27/32 (529)	10 (254)	9 1/4 (235)	5 (125)
Dimensions in inches (mm)						

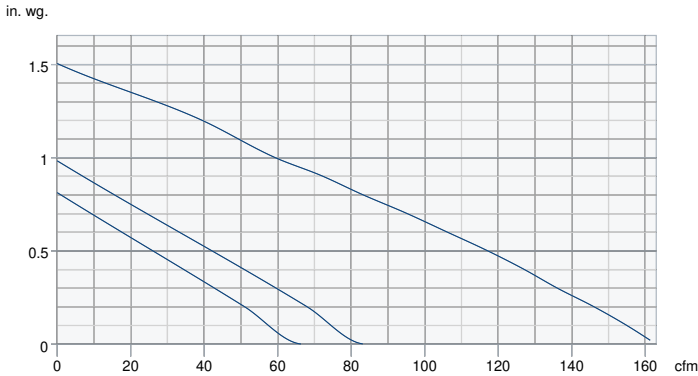
⚠ Recommended low airflow is outside valid range

⚠ Recommended high airflow is outside valid range

Supply - Performance curve



Extract - Performance curve



Unit	Supply	Extract
Air density		0.075 lb/ft³

Accessories

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