

## FIT<sup>®</sup> 120E

Energy Recovery Ventilator



### STANDARD FEATURES

- Highly permeable energy recovery core
- Fans with backward curved blades
- Cabinet height of 8 3/4 (222 mm)

### OPTIONAL CONTROLS

- Compatible with Fantech's ECO-Touch, EDF7, EDF1, RTS5, RTS2 and MDEH1.



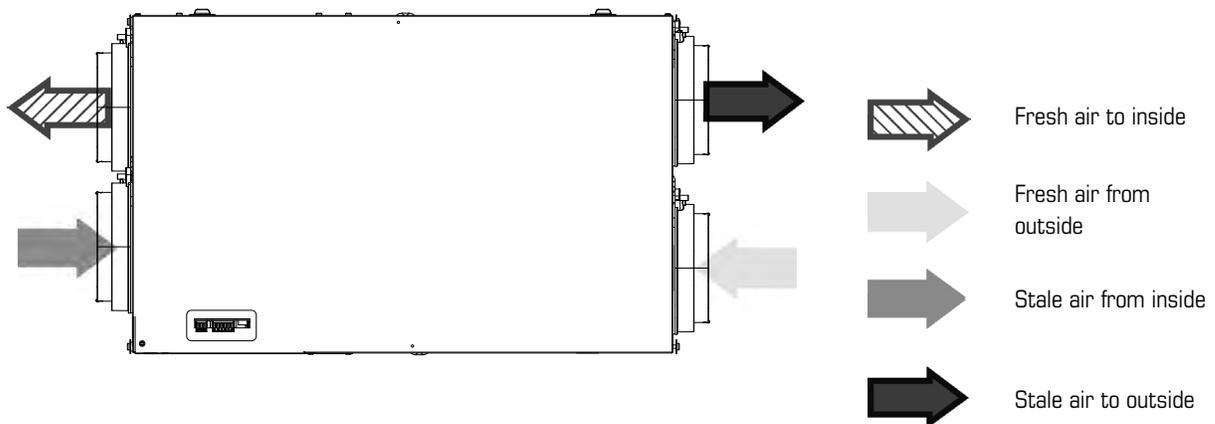
Job Name:		
Job Location:		
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Engineer:		
Distributor:		
Contractor:		
For Reference:	For Approval:	For Construction:
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**Canada** 50 Kanalfakt Way • Bouctouche, NB E4S 3M5 • 1.800.565.3548 • [www.fantech.net](http://www.fantech.net)

Fantech reserves the right to make technical changes.  
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## Descriptions

Cabinet:	24 gauge G90 galvanized steel, insulated with 1 in. (25 mm) of foil-faced high density polystyrene foam and 0.25 in. (6 mm) of closed-cell foam on the top of the unit.
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. During winter, the core transfers heat and moisture from the outgoing air to the incoming fresh air and during summer the core transfers heat and moisture from the incoming air to the outgoing air to essentially reduce the latent load.
Filters:	The filters are washable electrostatic panel type air filters. Exhaust air filter dimensions 11.2" (284mm) x 7" (176 mm) x 0.125" (3mm). Supply air filter dimensions 11.4" (289mm) x 7.7" (196 mm) x 0.125" (3mm).
Optional controls:	Compatible with Fantech's ECO-Touch, EDF7, EDF1, RTS5, RTS2 and MDEH1.
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 fan shuts down and the exhaust fan switches into high speed to maximize the effectiveness of the frost prevention strategy. The unit then returns to normal operations, and continues the cycle.
Serviceability:	Core, filters, fans and electrical panel can be accessed easily from the access panel. Core conveniently slides out with only 8" (203 mm) clearance.
Mounting:	Unit is to be suspended by using ceiling bracket, supplied.
Warranty:	Fantech ERV's have a warranty that is limited to 5 years on all parts, 5 years on energy recovery core and 7 years on the motors from the date of purchase, including parts replaced during this time period. If there is no proof of purchase available, the date associated with the serial number will be used for the beginning of the warranty period.

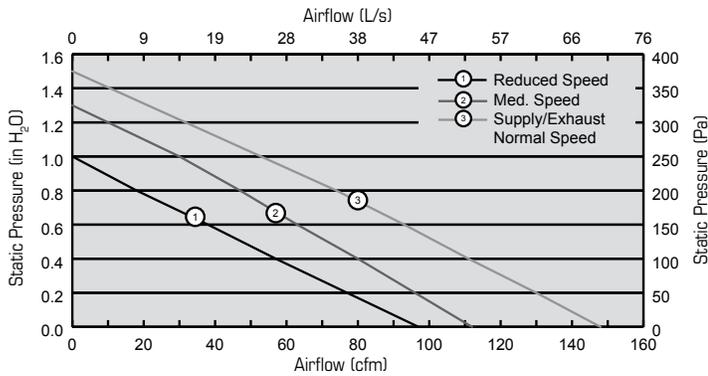


## Specifications

- Volts: 120V
- Phase: Single
- Amperage: 1.4 Amps Total
- Blowers (x2): 120V, 60Hz, 85W

- Weight: 36 Lbs (16 Kg)
- Shipping Weight: 44 Lbs (20 Kg)
- Shipping Dim.: 35.25" x 20.5" x 10" (895 x 521 x 254 mm)

## Ventilation Performance

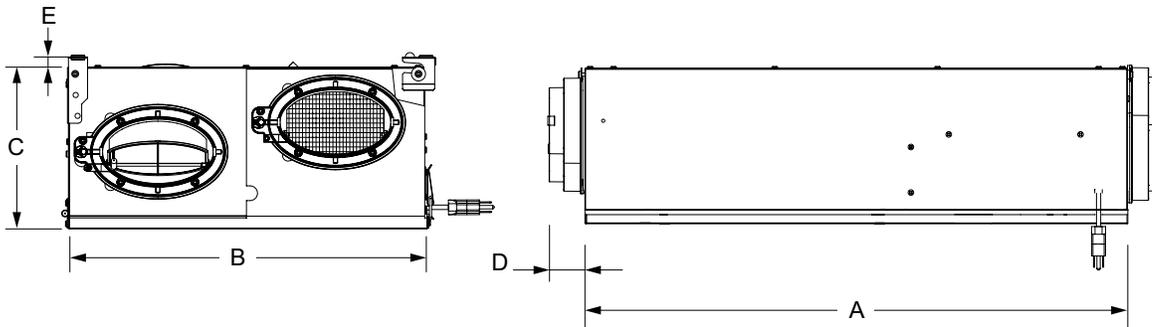


## Energy performance

Heating	Supply temperature		Net airflow		Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness	Latent recovery/moisture transfer
	°F	°C	cfm	L/s	W	%	%	%
	32	0	65	31	82	65	85	55
	32	0	85	40	112	64	80	50
	32	0	98	46	148	63	78	48
	5	-15	66	31	82	56	80	45
Cooling	95	35	47	22	82		45 <sup>1</sup>	

<sup>1</sup> Total recovery efficiency

## Dimensions



Model	A		B		C		D		E	
	in	mm	in	mm	in	mm	in	mm	in	mm
FIT 120E	30 1/2	775	19	485	8 3/4	222	2	51	1/2	14

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