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# FANTECH FTC463861 Owner's Manual

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# SER 150 Fresh Air Appliance

Item #: 463861

Variant : 120V 1~ 60Hz



## Technical parameters

Product	
Voltage (nominal)	120 V
Frequency	60 Hz
Phase(s)	1~
Input power	171 W
Input current	1.4 A
Air flow	144 cfm
Static pressure	0.4 in.wg
Certificate	CSA, HVI
Exchanger	
Exchanger type	Energy recovery (synthetic)
Dimensions and weights	
Weight	42.5 lb
Used for	
Installation placement	Horizontal

## Description

- Airflow up to 145 cfm @ 0.4" Ps serves 2 to 5 bedroom homes
- Removable screw terminal for easy connection
- Compatible with Fantech's low-voltage controls
- Three speed ventilation control
- Washable electrostatic filters
- Optional drain line
- Anti-microbial material
- Withstands freezing
- AHRI certified

## Application

Fantech's SER 150 is an Energy Recovery Ventilator designed for higher static pressure applications.

## How it works

The unit 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 heat and moisture...  
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## Performances

	Speed	Supply Temperature		Net Airflow		Consumed Power	Net Effectiveness		
		°F	°C	cfm	L/s		Sensible %	Latent %	Total %
Heating	Low	35	1.7	75	35	88	62	44	55
	Medium	35	1.7	115	54	120	59	41	53
	High	35	1.7	150	71	171	56	37	50
Cooling	Low	95	35	75	35	88	62	40	50
	Medium	95	35	115	54	120	59	37	46
	High	95	35	150	71	171	56	33	42

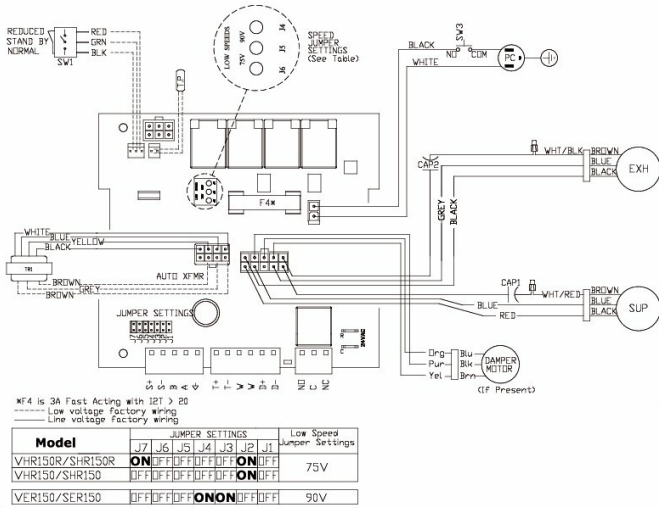
## Dimensions



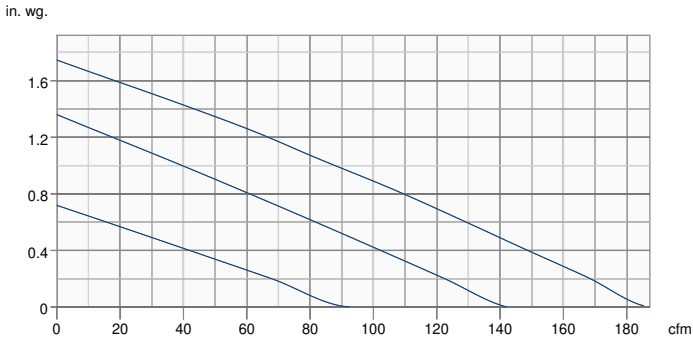
A: 23 3/4 (604)    B: 2 1/8 (55)    C: 17 1/4 (438)    D: 16 1/4 (414)

Dimensional information is in inches (mm)

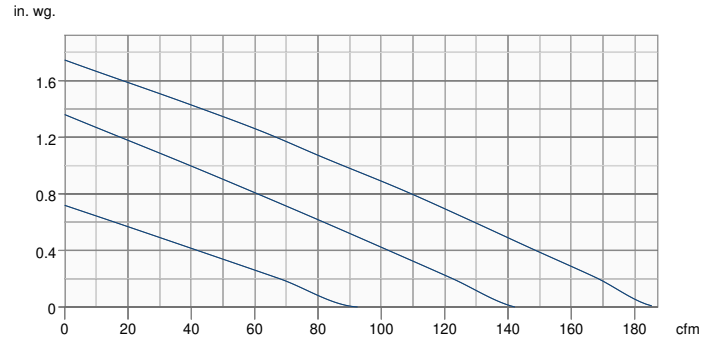
## Wiring



## Supply - Performance curve



## Extract - Performance curve



Unit	Supply	Extract
Required air flow	-	-
Working air flow	-	-
Required external pressure	-	-
Working air pressure	-	-
Power	-	-
Current	-	-
Air density	0.075 lb/ft <sup>3</sup>	
Fan control - RPM	-	-

## Accessories

ECO-Feel® Auto IAQ Control (414729)  
 RTS-W Wireless Timer (414920)  
 FIDT 6 Insulated Flex Duct (411064)  
 Filter, MERV6, 150 cfm, Repl. kit (414647)  
 Filter, MERV8, 260-450, Repl. kit (414928)  
 MGE 6 Metal Exhaust Grill (411371)

ECO-Touch® Auto IAQ (414727)  
 COM6P Supply and Exhaust Hoods (40222)  
 ADC 6 Shut-off Damper w Motor (44967)  
 Filter, MERV8, 150 cfm, Repl. kit (414924)  
 MDEH1 Low Voltage Dehumidistat (40172)  
 MGS 6 Metal Supply Grill (411242)

## Documents

445313 SER150 IOM EN FR.pdf  
 SER150\_463861\_SERVICE\_MANUAL.PDF  
 445325 SER150 Spec Sheet.pdf  
 E400088 SHR150-SHR150R-SER150 Dimensional Submittal.pdf