



# RESIDENTIAL E150-TRG Energy Recovery Ventilator

PRODUCT  
SPECIFICATIONS  
& TECHNICAL  
DATA



## PRODUCT DESCRIPTION

Compact size, large performance – the E150-TRG energy recovery ventilator produces approximately **120 CFM** at 0.20 in.w.g (ESP) and recovers sensible and latent heat through its high-latent-transfer membrane core. The E150-TRG has been thoughtfully engineered for simple installation in apartments, condos, and small houses. The removable collars are top-mounted, which makes the unit both narrow and shallow enough to fit inside standard closets and other tight spaces.

The E150-TRG has two exclusive features. EvacMAX™ provides on-demand boost for maximum ventilation. With FLEXControl, airflow circuits can be calibrated electronically, eliminating the need for resistance-inducing balancing dampers and improving overall efficiency.

## KEY FEATURES

- Durable core with exceptional moisture transfer for more comfort and no drain required
- Electronically and independently adjustable supply and exhaust blowers (FLEXControl)
- Gauge ports on the door for fast and reliable airflow readings
- Removable top-mounted collars
- Twist-in collars for easy flex-duct attachment
- Non-dust-loading backward-inclined impellers on totally enclosed motors
- Easy access to core and filters for cleaning
- Optional high-efficiency filters
- Multiple low-voltage controller options
- Recirculating defrost collar snaps into pre-punched area of cabinet for ducting flexibility

## CASING

Material: Pre-painted 24-gauge galvanized steel  
Duct Connections: Ø 5" (Ø 127 mm)  
Insulation: Molded EPS  
Width: 23-1/8" (587 mm)  
Height: 16-3/4" (425 mm)  
Depth: 12-3/8" (314 mm)  
Weight: 32 lbs (15 kg); Shipping Weight: 40 lbs (18 kg)  
Supply Damper: Motorized

## MOUNTING

- Suspended by chains with vibration-isolating springs
- Wall-mounting accessory available (P/N 608575)

## RECOVERY CORE

Material: High-latent-transfer membrane

## BLOWERS

Quantity: 2  
Type: Motorized impellers (backward-inclined)

## ELECTRICAL REQUIREMENTS

120 VAC, 60 Hz, 1.3 A, 156 W  
Cord Set: 48" (1219 mm) with ground

## CONTROLS

Low voltage (24VAC) for:

- Fan interlock (NO and NC) dry contacts
- LCD Electronic Multifunction Control (P/N 611227)
- Digital Multifunction Control (P/N 611242)
- Mode Control (Recirculation) (P/N 611230)
- Humidity Control (P/N 611224)
- Speed Control (Low/Intermittent/High) (P/N 611229)  
20/40/60 Minute Timer (P/N 611228)

## FROST CONTROL

- Automatic timed recirculation, fifth port
- Cycles controlled by a temperature sensor when the outdoor temperature drops below 14°F (-10°C)

## FILTERS

Quantity: 2  
Type: MERV 6 (P/N 612409)  
Optional: High-efficiency MERV 13 (P/N 612410)

## WARRANTY

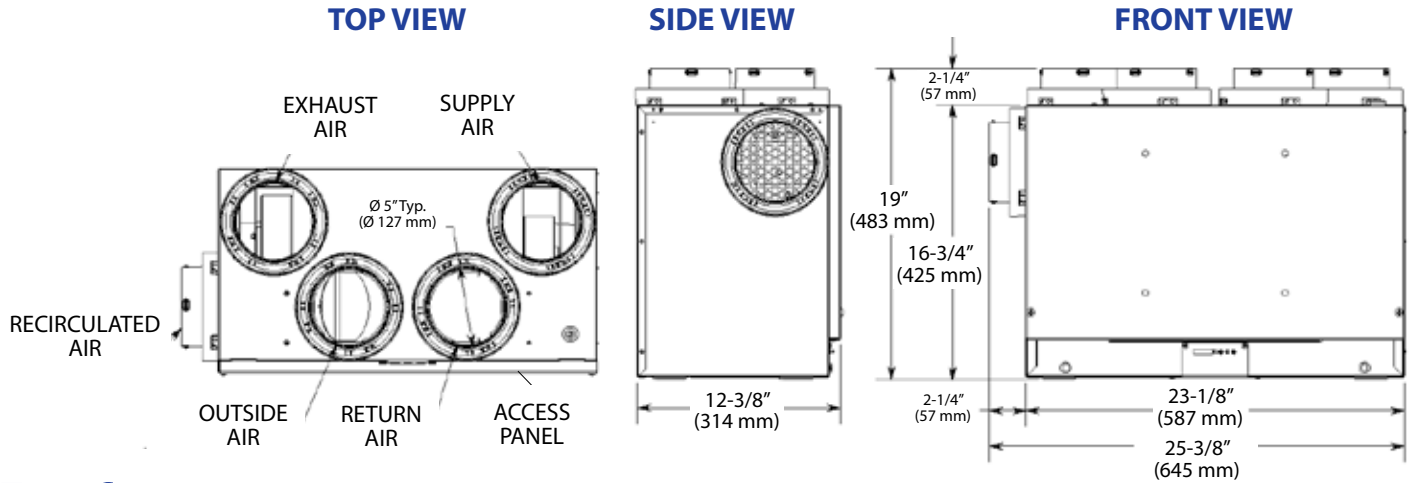
Core Assembly: Limited 2-year warranty  
All Other Covered Components: Limited 5-year warranty

## APPROVALS

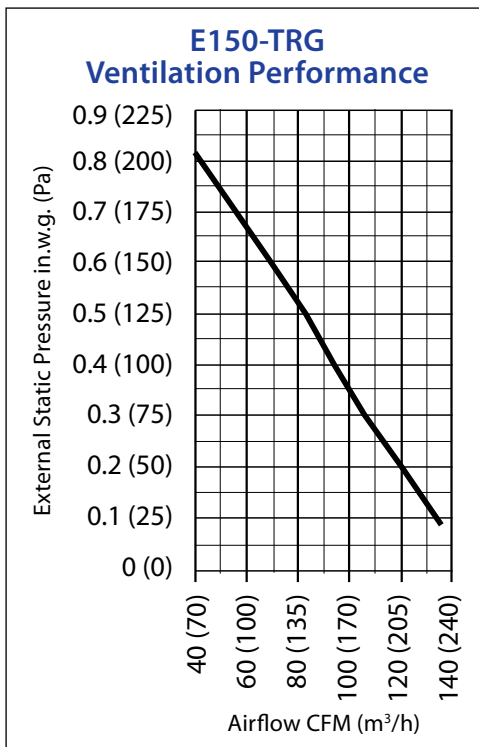
Meets Standards:  
• C22.2 no113 and UL 1812



## Dimensions



## Performance



### Recovery Performance

Outside Air Temperature		Net Airflow		Power Consumed (W)	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Latent Recovery/ Moisture Transfer	Total Recovery Efficiency
°F	°C	CFM	L/s					
Heating								
32	0	54	26	46	71%	81%	61%	--
32	0	65	31	50	68%	75%	56%	--
32	0	106	50	92	62%	70%	49%	--
-13	-25	50	23	65	61%	78%	56%	--
Cooling								
95	35	51	24	46	--	--	--	54%

Project:		Architect:	
Location:		Engineer:	
Model #:		Contractor:	
Quantity:		Comments:	
Submitted By:			
Date:			

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