



AEROMATIC™ SERIES STANDARD RESIDENTIAL E150-TR Energy Recovery Ventilator

PRODUCT
SPECIFICATIONS
& TECHNICAL
DATA



PRODUCT DESCRIPTION

Compact size, large performance – the E150-TR energy recovery ventilator produces approximately **150 CFM** at 0.20 in.w.g (ESP) and recovers sensible and latent heat through its high-efficiency polymeric membrane core. The E150-TR 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-TR 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

- Damage-free packaging protects the unit in transit and makes it easy to remove it from the carton without damaging the collars
- Electronically and independently adjustable supply and exhaust blowers (FLEXControl)
- Gauge ports on the door for fast and reliable airflow readings
- Twist-in collars for easy flex-duct attachment
- Non-dust-loading backward-inclined impellers on totally enclosed motors
- Snap-out motor decks
- Easy access to core and filters for cleaning
- Extremely durable core
- Standard MERV 6 filters
- Multiple low-cost controller options for occupancy changes
- Recirculating defrost collar snaps into pre-punched area of cabinet for ducting flexibility

CASING

Material: Pre-painted 24-gauge galvanized steel
Drain Connection: Ø 3/8" (Ø 10 mm)
Duct Diameter: 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: Polymeric 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 dry contact (24VAC) for:

- Fan interlock (NO and NC)
- LCD Electronic Multifunction Control (P/N 611227)
- 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)

WARRANTY

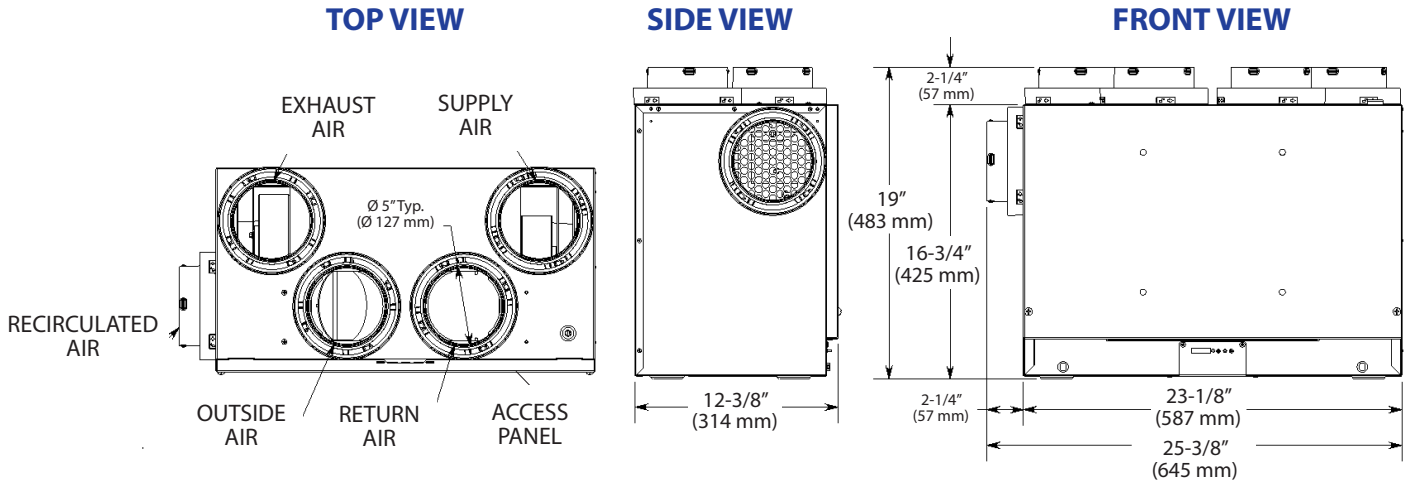
Core Assembly: Limited 5-year warranty
All Other Covered Components: Limited 5-year warranty

APPROVALS

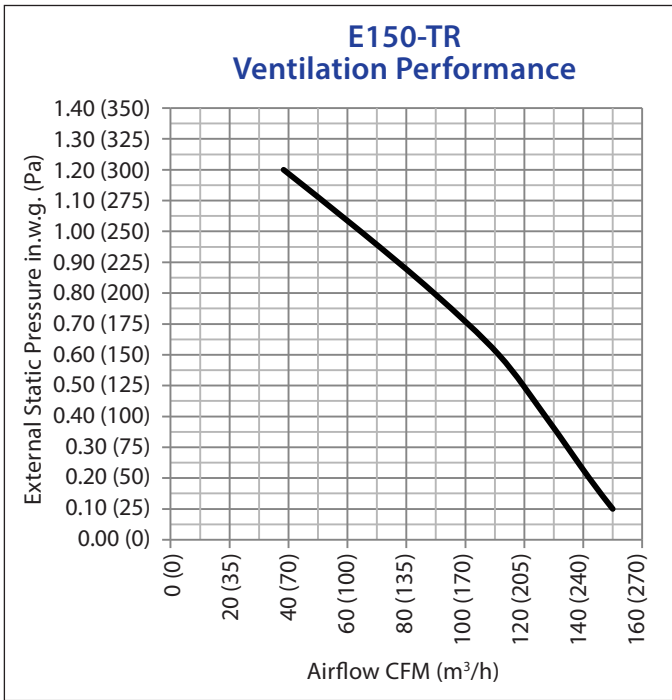
Meets Standards:
• C22.2 no113 and UL 1812



Dimensions



Performance



Energy Performance						
Outside Air Temperature		Net Airflow		Sensible Recovery Efficiency	Latent Recovery/Moisture Transfer	Total Energy Recovery
°F	°C	CFM	L/s			
Heating						
35	1.7	70	35	60%	33%	51%
35	1.7	120	57	55%	27%	45%
35	1.7	160	76	51%	24%	42%
Cooling						
95	35	70	35	60%	29%	41%
95	35	120	57	55%	23%	35%
95	35	160	76	51%	20%	32%

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

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