



# AEROMATIC™ SERIES STANDARD RESIDENTIAL E110-TF Energy Recovery Ventilator

PRODUCT  
SPECIFICATIONS  
& TECHNICAL  
DATA



## PRODUCT DESCRIPTION

Compact size, large performance – the E110-TF energy recovery ventilator produces approximately **101 CFM** at 0.20 in.w.g (ESP) and recovers sensible and latent heat through its high-latent-transfer membrane core. The E110-TF 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 E110-TF 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-voltage controller options

## CASING

Material: Pre-painted 24-gauge galvanized steel  
Duct Connections: Ø 4" (Ø 102 mm)  
Insulation: Molded EPS  
Width: 23-1/8" (587 mm)  
Height: 16-3/4" (425 mm)  
Depth: 12-3/8" (314 mm)  
Weight: 29 lbs (13 kg); Shipping Weight: 37 lbs (17 kg)

## 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, 0.6 A, 72 W  
Cord Set: 48" (1219 mm) with ground

## CONTROLS

Low voltage dry contact (24VAC) for:

- Fan interlock (NO and NC)

Low voltage (24VAC) for:

- LCD Electronic Multifunction Control (P/N 611227)
- 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 integral exhaust defrost
- Activated by a sensor when the outdoor temperature drops below 14°F (-10°C)

## FILTERS

Quantity: 2  
Type: MERV 6 (P/N 612409)

## WARRANTY

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

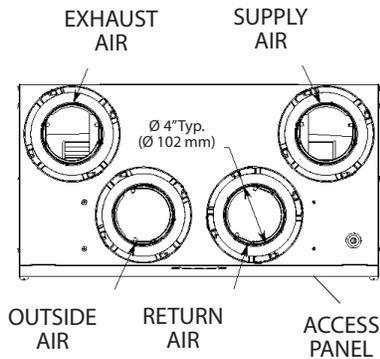
## APPROVALS

Meets Standards:  
• C22.2 no113  
• UL 1812

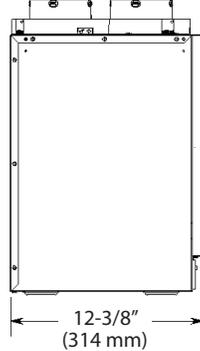


# Dimensions

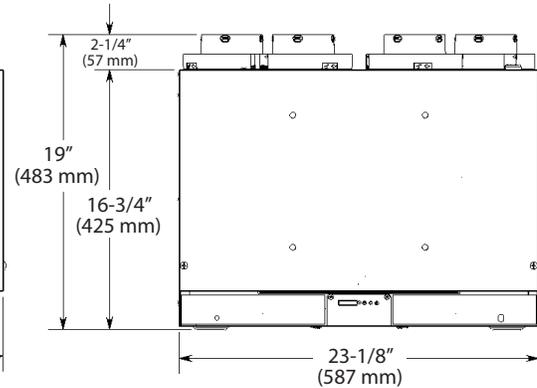
**TOP VIEW**



**SIDE VIEW**



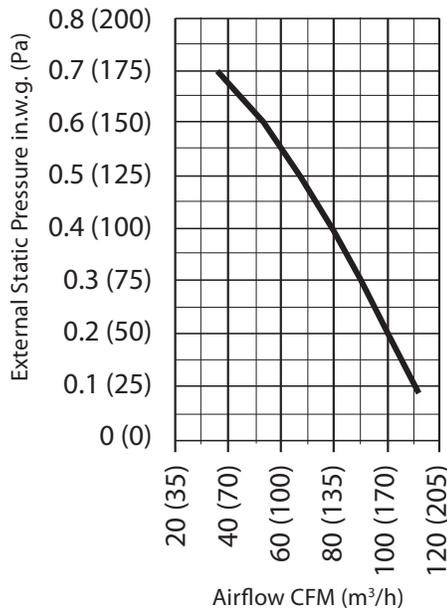
**FRONT VIEW**



# Performance



**E110-TF Ventilation 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					
<b>Heating</b>								
32	0	54	26	30	71%	80%	61%	--
32	0	65	31	32	68%	74%	56%	--
32	0	106	50	56	62%	68%	49%	--
-13	-25	50	23	35	61%	77%	56%	--
<b>Cooling</b>								
95	35	51	24	30	--	--	--	54%

<b>Project:</b>		<b>Architect:</b>	
<b>Location:</b>		<b>Engineer:</b>	
<b>Model #:</b>		<b>Contractor:</b>	
<b>Quantity:</b>		<b>Comments:</b>	
<b>Submitted By:</b>			
<b>Date:</b>			

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