



AEROMATIC™ SERIES STANDARD RESIDENTIAL E215-TR Energy Recovery Ventilator

PRODUCT
SPECIFICATIONS
& TECHNICAL
DATA



PRODUCT DESCRIPTION

Compact size, large performance – the E215-TR energy recovery ventilator produces approximately **208 CFM** at 0.20 in.w.g (ESP) and recovers energy through its polymeric membrane core. The E215-TR has been thoughtfully engineered for simple installation in small businesses and spacious houses.

The E215-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

- Electronically and independently adjustable supply and exhaust blowers (FLEXControl)
- Gauge ports on the door for fast and reliable airflow readings
- Removable top-mount 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
- Durable core
- Standard aluminum filters and optional carbon or high-efficiency/MERV 13 equivalent filters
- Multiple low-voltage controller options
- Automatic timed recirculation defrost protects the core from freezing temperatures

APPROVALS

Meets Standards:

- C22.2 no113 and UL 1812



CASING

Material: Pre-painted 24-gauge galvanized steel
Drain Connection: Ø 3/8" (Ø 10 mm)
Duct Connections: Ø 6" (Ø 152 mm)
Insulation: 1" (25 mm) Fiberglass with FSK and polystyrene
Width: 27-5/8" (702 mm)
Height: 24" (610 mm)
Depth: 15-3/4" (400 mm)
Weight: 58 lbs (26 kg); Shipping Weight: 64 lbs (29 kg)
Supply Damper: Motorized; Exhaust Damper: Gravity

MOUNTING

Suspended by chains with vibration-isolating springs

RECOVERY CORE

Material: Extreme-Climate Enthalpic Membrane

BLOWERS

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

ELECTRICAL REQUIREMENTS

120 VAC, 60 Hz, 1.8 A, 216 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)
- 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
- Cycles controlled by a temperature sensor when outdoor temperature drops below 14°F (-10°C)

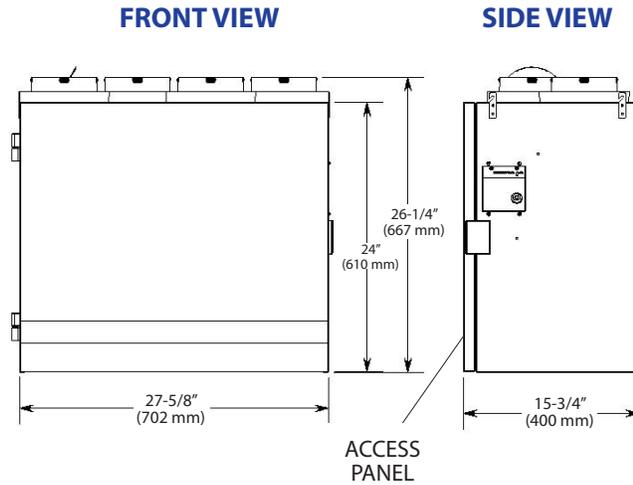
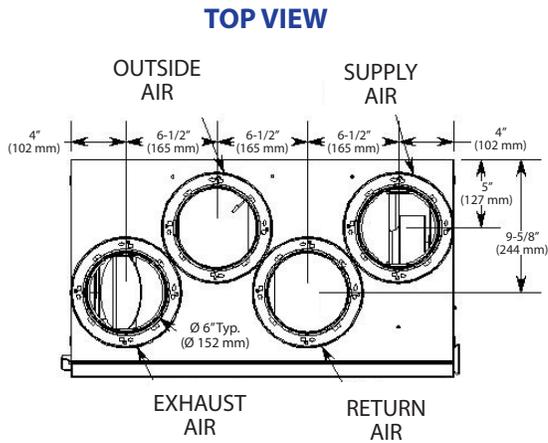
FILTERS

Quantity: 2
Type: Aluminum (P/N 612261)
Optional: Carbon (P/N 612262) or High-Efficiency/MERV 13 Equivalent (P/N 612263)

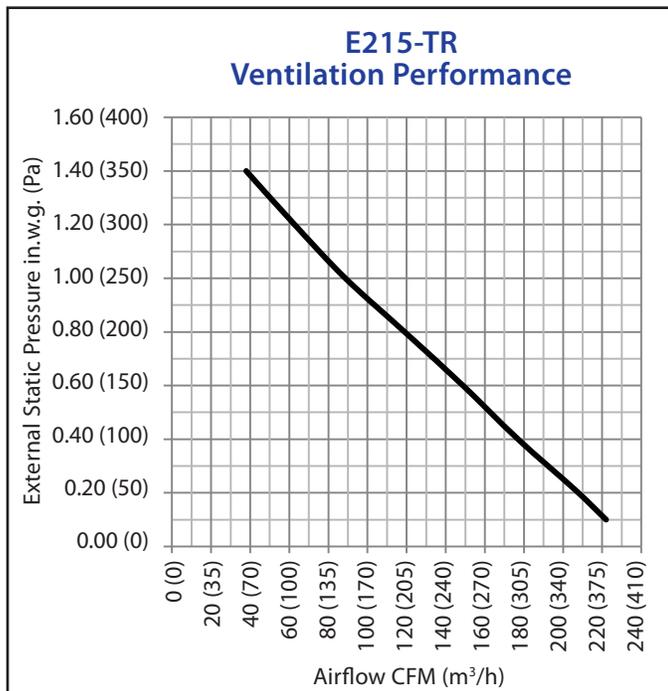
WARRANTY

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

Dimensions



Performance



Recovery Performance

Outside Air Temperature		Net Airflow		Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Latent Recovery/Moisture Transfer	Total Recovery Efficiency
°F	°C	CFM	L/s				
Heating							
35	1.7	90	40	72%	82%	47%	63%
35	1.7	150	70	67%	76%	39%	57%
35	1.7	220	105	62%	71%	33%	52%
Cooling							
95	35	90	40	--	82%	--	54%
95	35	150	70	--	76%	--	48%
95	35	220	105	--	71%	--	42%

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

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