



AEROMATIC™ SERIES STANDARD RESIDENTIAL E190-TRG Energy Recovery Ventilator

PRODUCT
SPECIFICATIONS
& TECHNICAL
DATA



PRODUCT DESCRIPTION

Compact size, large performance – the E190-TRG energy recovery ventilator produces approximately **183 CFM** at 0.20 in.w.g (ESP) and recovers sensible and latent heat through its high-latent-transfer membrane core. The E190-TRG has been thoughtfully engineered for simple installation in small businesses and spacious houses.

The E190-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

- 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
- Extremely durable core
- Standard MERV 6 filters and optional carbon or high-efficiency/MERV 13 equivalent filters
- Multiple low-voltage controller options
- Recirculating defrost collar snaps into pre-punched area of cabinet for ducting flexibility

APPROVALS

Meets Standards:

- C22.2 no113 and UL 1812



CASING

Material: Pre-painted 24-gauge galvanized steel
Duct Connections: Ø 6" (Ø 152 mm)
Insulation: 1" (25 mm) Fiberglass with FSK
Width: 29-5/16" (745 mm)
Height: 19-7/16" (494 mm)
Depth: 15-11/16" (398 mm)
Weight: 50 lbs (23 kg); Shipping Weight: 56 lbs (25 kg)
Supply Damper: Motorized; Exhaust Damper: Gravity

MOUNTING

Suspended by chains with vibration-isolating springs

RECOVERY CORE

Material: High-latent-transfer 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 (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, fifth port
- Cycles controlled by a temperature sensor when outdoor temperature drops below 14°F (-10°C)

FILTERS

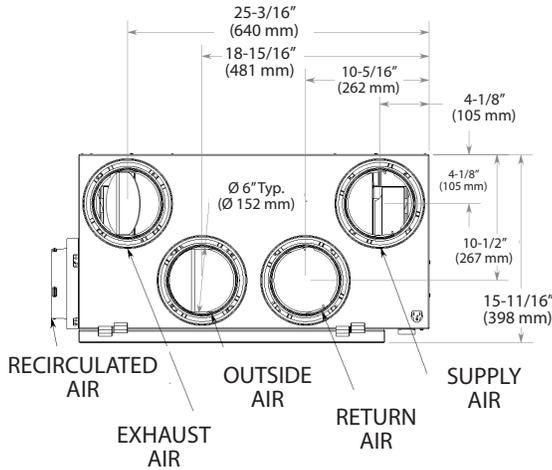
Quantity: 2
Type: MERV 6 (P/N 612408)
Optional: Carbon (P/N 612262) or High-Efficiency/MERV 13 Equivalent (P/N 612263)

WARRANTY

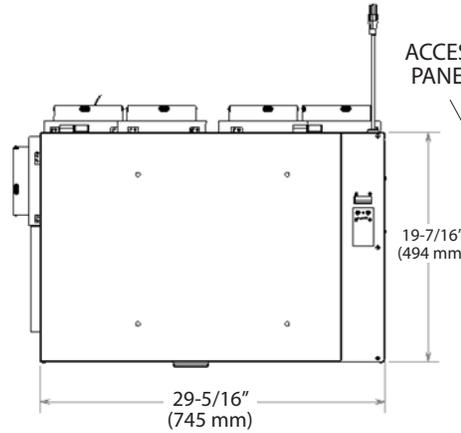
Core Assembly: Limited 2-year warranty
All Other Covered Components: Limited 5-year warranty

Dimensions

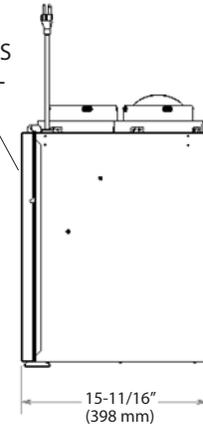
TOP VIEW



FRONT VIEW

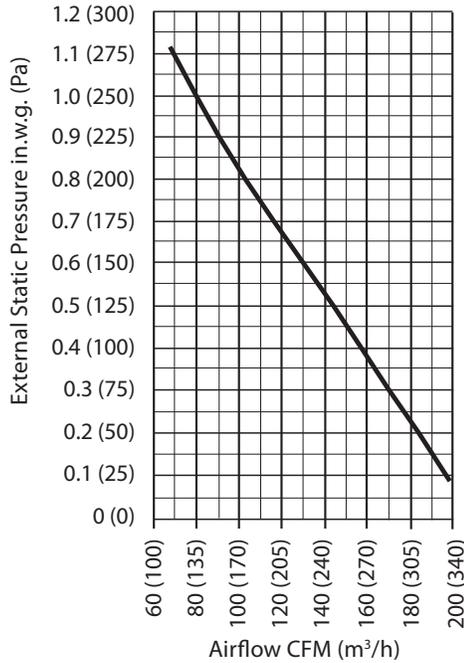


SIDE VIEW



Performance

E190-TRG 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					
Heating								
32	0	80	38	67	70%	80%	63%	--
32	0	148	70	115	64%	73%	55%	--
-13	-25	93	44	110	59%	77%	55%	--
Cooling								
95	35	99	47	105	--	--	--	49%

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

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