



InspirAIR™ COMPACT E130-HR

Energy Recovery Ventilator

PRODUCT
SPECIFICATIONS
& TECHNICAL
DATA



PRODUCT DESCRIPTION

The ideal in-suite ventilation solution for high-rise construction, the E130-HR delivers exceptional performance in a compact, easy-to-install package only 9-1/4" in height. Easily concealed in a drop-ceiling or soffit, the E130-HR has been thoughtfully engineered for apartments, condos, and all dwellings that use concrete-slab construction. The E130-HR produces approximately **133 CFM** at 0.20 in.w.g (ESP), enough for even the largest units in multi-family construction.

The E130-HR includes Aldes' exclusive EvacMAX™ on-demand boost for maximum ventilation, and FLEXControl, electronic calibration that eliminates the need for balancing dampers and improves overall efficiency.

KEY FEATURES

- Electronically and independently adjustable supply and exhaust blowers (FLEXControl)
- Backward-inclined impellers on totally enclosed motors
- Horizontal configuration for flexible mounting
- Drainless for simplified installation
- Easy access to core and filters for cleaning
- Multiple low-voltage controller options

APPROVALS

Meets Standards:

- C22.2 no113 and UL 1812
- HVI Certified

CASING

Material: Pre-painted 24-gauge galvanized steel
Duct Diameter: Ø 5" (Ø 127 mm)
Insulation: 1" (25 mm) Fiberglass with FSK and polystyrene
Width: 24-1/8" (613 mm)
Height: 9-1/4" (235 mm)
Depth: 22-3/4" (578 mm)
Weight: 35 lbs (16 kg); Shipping Weight: 41 lbs (19 kg)
Supply Damper: Motorized; Exhaust Damper: Gravity

MOUNTING

- Suspended from the ceiling by chains with vibration-isolating springs
- In the ceiling with an access panel

RECOVERY CORE

Material: High-Latent-Transfer Enthalpy

BLOWERS

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

ELECTRICAL REQUIREMENTS

120 VAC, 60 Hz, 1.3 A, 180 W
Cord Set: 27" (686 mm) with ground

CONTROLS

Low voltage (24 VAC) for:

- 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
- Cycles controlled by a temperature sensor when the outdoor temperature drops below 14°F (-10°C)

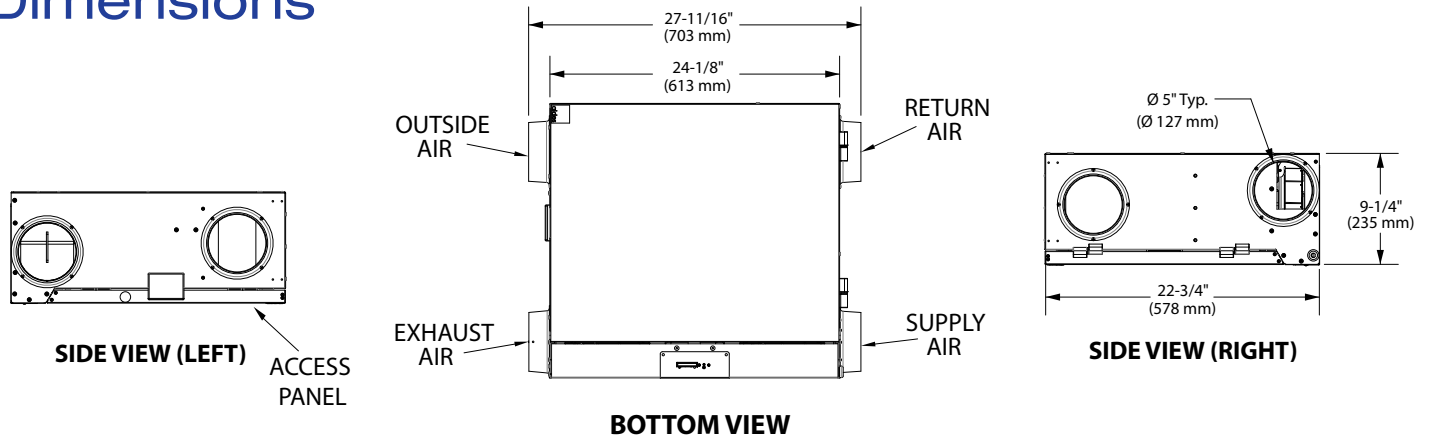
FILTERS

Quantity: 2
Type: Washable Foam 20 ppi (P/N: 612405)
Optional: Aluminum (P/N: 612404), Carbon (P/N: 612406), or High Efficiency/MERV13 Equivalent (P/N: 612407)

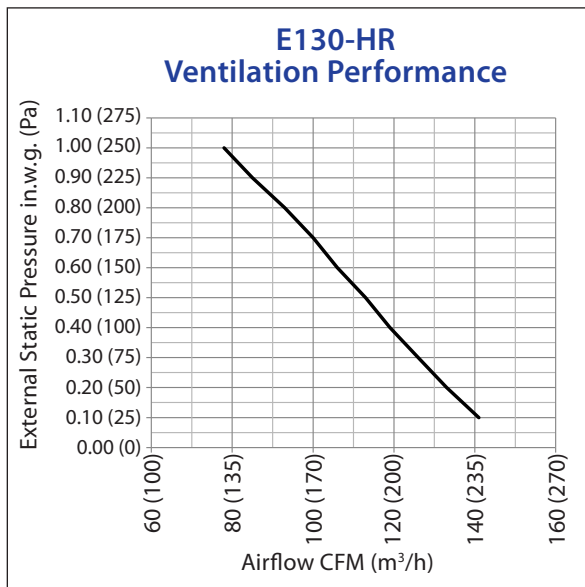
WARRANTY

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

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	50	24	86	69%	85%	62%	-
32	0	76	36	114	64%	77%	55%	-
32	0	102	48	146	62%	73%	51%	-
-13	-25	48	23	90	59%	79%	55%	-
Cooling								
95	35	51	24	86	40%	-	54%	49%



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

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