



## PRODUCT DESCRIPTION

The ideal in-suite ventilation solution for high-rise construction, the E130-HF 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-HF has been thoughtfully engineered for apartments, condos, and all dwellings that use concrete-slab construction. The E130-HF exchanges approximately **106 CFM** at 0.20 in.w.g (ESP), enough for even the largest units in multi-family construction.

The E130-HF includes Aldes' exclusive FLEXControl, electronic calibration that eliminates the need for balancing dampers and improves overall efficiency. Cold Supply Air Prevention (CSAP) stops air distribution to the dwelling for 135-minute cycles if the supply air temperature is below freezing, reducing the risk of damage to downstream equipment.

## KEY FEATURES

Electronically and independently adjustable supply and exhaust blowers (FLEXControl)

Horizontal configuration for flexible mounting

Drainless for simplified installation

Easy access to core and filters for cleaning

Twist-in collars for easy flex-duct attachment

# INSPIRAIR® COMPACT

## ERV

### E130-HF

ENERGY RECOVERY VENTILATOR

106 CFM at 0.20 in.w.g (ESP)



UNIT

CORE



### Recovery Core

Material: High-latent-transfer (HLT)

### Casing

Material: Pre-painted 24-gauge galvanized steel

Drain Connection: None

Duct Connections: 5" (127 mm)

Insulation: 1" (25 mm) Fiberglass with FSK and polystyrene

Length: 24-1/8" (613 mm)

Height: 9-1/4" (235 mm)

Width: 22-1/4" (565 mm)

Weight: 35 lbs (16 kg); Shipping Weight: 41 lbs (19 kg)

Backdraft exhaust damper



### Mounting

Ceiling mount brackets (included) and optional chains (P/N 609051)



### Electrical requirement

120 VAC, 60 Hz, 1.1 A, 103W

Cord Set: 27" (686 mm) with ground



### Frost control

Automatic timed integral exhaust defrost

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



### Filters

Type : 2 Washable Foam 20 ppi (P/N 612405)

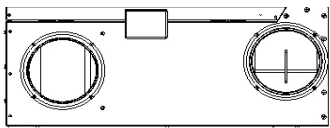
Optional (sold separately): Washable MERV8 (P/N 683961), or High Efficiency/MERV13 Equivalent (P/N 612407)



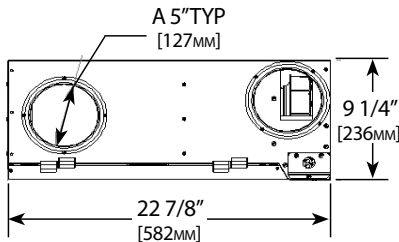
### Blowers

Two motorized impeller (backward-inclined)

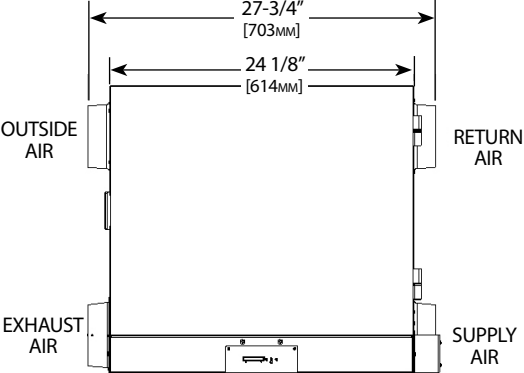
DIMENSIONS



SIDE VIEW (LEFT)



SIDE VIEW (RIGHT)

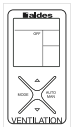


BOTTOM VIEW

OPTIONAL FILTERS  
(SOLD SEPARATELY)  
MERV8:  
add 0.1" w.g.  
High Efficiency:  
add 0.2" w.g.

CONTROLS

Low voltage dry contact (24VAC) for interlock with heating/cooling systems.



Digital Multifunction Control  
(P/N 611242-FC)



LCD Electronic Multifunction Control (P/N 611227)



20/40/60 Minute Timer  
(P/N 611228)

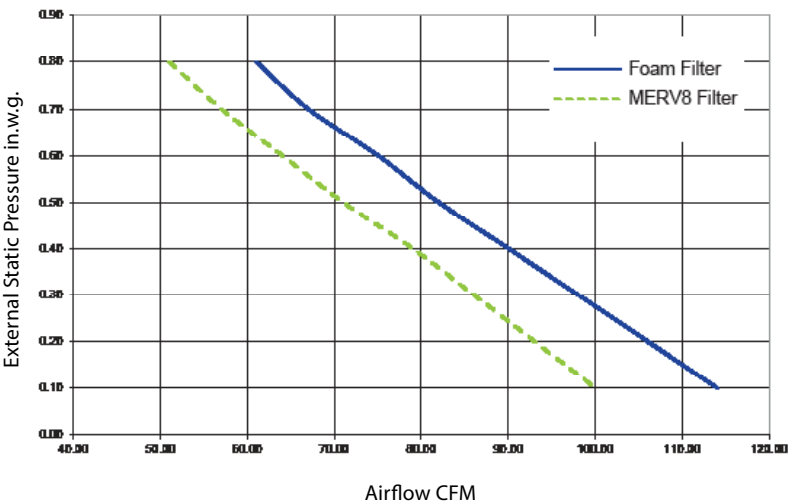


Speed Control (Low/Intermittent/High)  
(P/N 611229)

PERFORMANCE

Recovery Performance – E130-HF								
Outside Air Temperature		Net Airflow		Power Consumed (W)	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency	Latent Recovery / Moisture Transfer	Total Recovery Efficiency
°F	°C	CFM	L/s					
Heating								
32	0	51	24	44	69%	75%	68%	--
32	0	64	30	66	65%	70%	63%	--
32	0	100	47	100	59%	65%	58%	--
14	-10	51	24	48	66%	71%	67%	--
Cooling								
95	35	51	24	48	--	--	52%	53%

E130-HF Ventilation Performance



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