



InspirAIR® COMPACT E130-HRX

Energy Recovery Ventilator

PRODUCT
SPECIFICATIONS
& TECHNICAL
DATA



PRODUCT DESCRIPTION

The ideal in-suite ventilation solution for high-rise construction, the E130-HRX 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-HRX has been thoughtfully engineered for apartments, condos, and all dwellings that use concrete-slab construction. The E130-HRX delivers up to **145 CFM** of fresh air at 0.40 in.w.g (ESP), enough for even the largest units in multi-family construction.

The E130-HRX includes EC motors, 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)
- Forward-curved impellers on totally enclosed EC motors
- Horizontal configuration for flexible mounting
- Twist-in collars for easy flex-duct attachment
- Easy access to core and filters for cleaning
- Durable High Latent Transfer enthalpy core has exceptional moisture transfer for increased comfort, and no drain is required.

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
Length: 24-1/8" (613 mm)
Height: 9-1/4" (235 mm)
Width: 22-3/4" (578 mm)
Weight: 35 lbs (16 kg); Shipping Weight: 41 lbs (19 kg)
Supply Damper: Motorized; Exhaust Damper: Gravity

MOUNTING

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

RECOVERY CORE

Material: High-Latent-Transfer (HLT)

BLOWERS

Quantity: 2

Type: Motorized impellers (forward-curved)

ELECTRICAL REQUIREMENTS

120 VAC, 60 Hz, 2.46 A, 145 W

Cord Set: 27" (686 mm) with ground

Cordless (hard-wired applications): select model **E130-HRX-N**

CONTROLS

Low voltage (24 VAC) for:

- LCD Electronic Multifunction Control (P/N: 611227)
- Digital Multifunction Control (P/N: 611242-FC)
- Mode Control (Recirculation) (P/N: 611230)
- 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 (sold separately): Washable MERV8 (P/N: 683961), or High Efficiency/MERV13 Equivalent (P/N: 612407)

WARRANTY

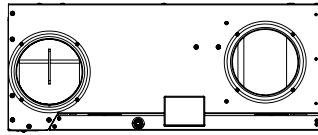
Limited 5-year warranty on all components

Acoustic Performance

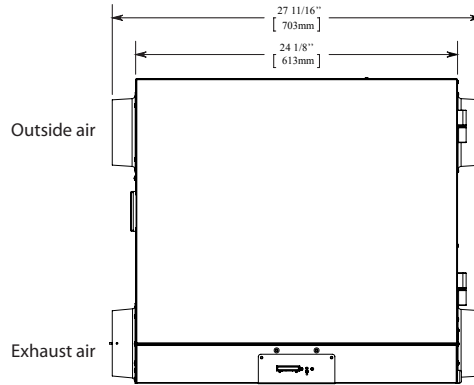
Airflow	Radiated	Supply Air	Exhaust Air
50 CFM	36 dBA	30 dBA	20 dBA
146 CFM	49 dBA	46 dBA	38 dBA

Based on HVI Publication 915, using insulated flexible duct.

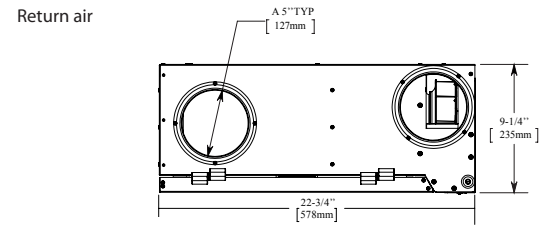
Dimensions



SIDE VIEW (LEFT)



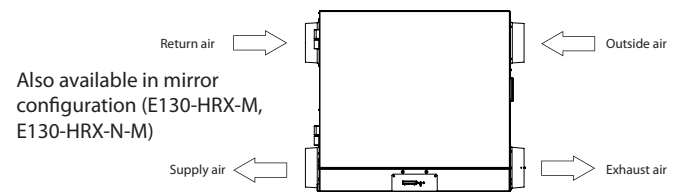
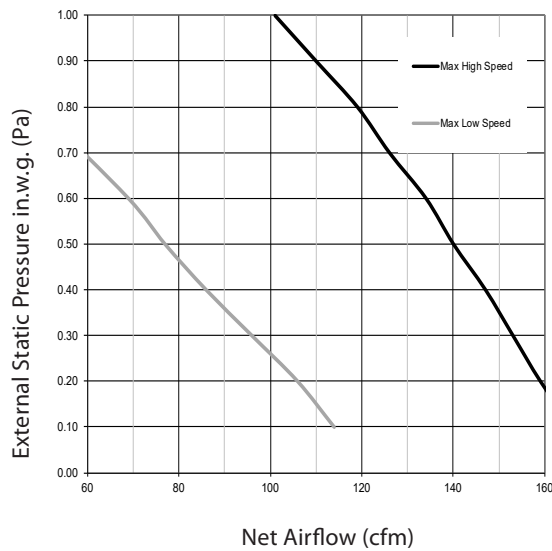
BOTTOM VIEW



SIDE VIEW (RIGHT)

Performance

E130-HRX Ventilation Performance



Recovery Performance

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	50	24	26	67%	71%	36%	-
32	0	65	31	32	65%	69%	38%	-
32	0	101	48	56	61%	64%	48%	-
-13	-25	64	30	53	52%	55%	55%	-
Cooling								
95	35	49	23	26	-	-	49%	53%

OPTIONAL FILTERS (SOLD SEPARATELY)

MERV8: add 0.1" w.g.

High Efficiency: add 0.2" w.g.

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

For more information, contact your Aldes sales advisor, visit aldes-na.com, call 1.800.255.7749, or find us on

