

# INSPIRAIR® COMPACT

## ERV

### E80-HF-N

ENERGY RECOVERY VENTILATOR  
74 CFM at 0.20 in.w.g (ESP)



UNIT

CORE

## PRODUCT DESCRIPTION

The energy efficient balanced in-suite ventilation solution ideal for multi-unit residential buildings, the E80-HF-N delivers superior heat recovery and a latent transfer of over 65% in a compact, easy-to-install package only 9 inches (230 mm) in height. Easily concealed in a drop-ceiling or soffit, this unit has been thoughtfully engineered for apartments, condominiums, and other dwellings.

The E80-HF-N exchanges **74 CFM** of air at 0.2 in.w.g (ESP), perfect for smaller dwellings in multi-unit residential buildings. The E80-HF-N includes Aldes' exclusive FLEXControl, electronic calibration that eliminates the need for balancing dampers and maximizes 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

No drain required with Aldes' high performance HLT crossflow ERV core technology

Up to 73% sensible recovery efficiency, a great choice for LEED-certified buildings

Hassle-free balancing using the balancing chart, pressure taps in the door, and the independently adjustable supply and exhaust blowers (FLEXControl)

Unique compact door allows easy access to the washable MERV 6 filters



### Recovery Core

Material: High-latent-transfer (HLT) fixed plate enthalpic core

### Casing

Material: 24-gauge galvanized steel  
Drain Connection: None  
Duct Connections: 5" (127 mm)  
Insulation: 1" (25 mm)  
Width: 22" (559 mm)  
Height: 9" (230 mm)  
Height: 27" (686 mm)  
Weight: 37 lbs (17 kg); Shipping Weight: 42 lbs (19 kg)



### Mounting

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



### Electrical requirement

120 VAC, 60 Hz, 0.8 A, 144W (MAX)



### Frost control

Automatic timed integral exhaust defrost.  
Cycles controlled by a temperature sensor when the outdoor temperature drops below 14°F (-10°C)



### Filters

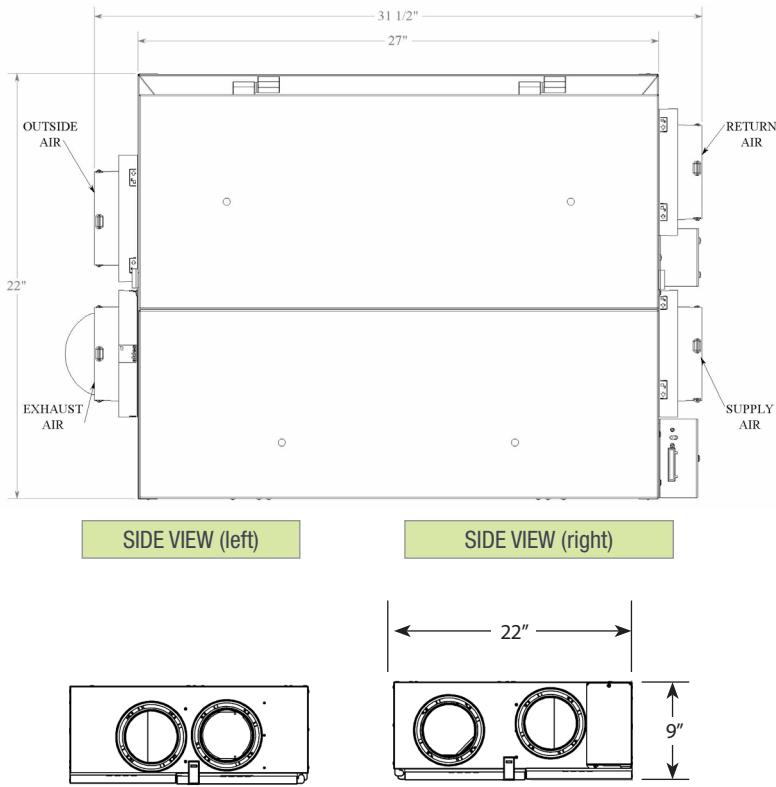
Type : MERV 6 (Two replacement filters, P/N: 612415)



### Blowers

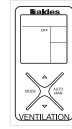
Two motorized impeller (backward-inclined)

# DIMENSIONS

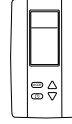


# CONTROLS

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)

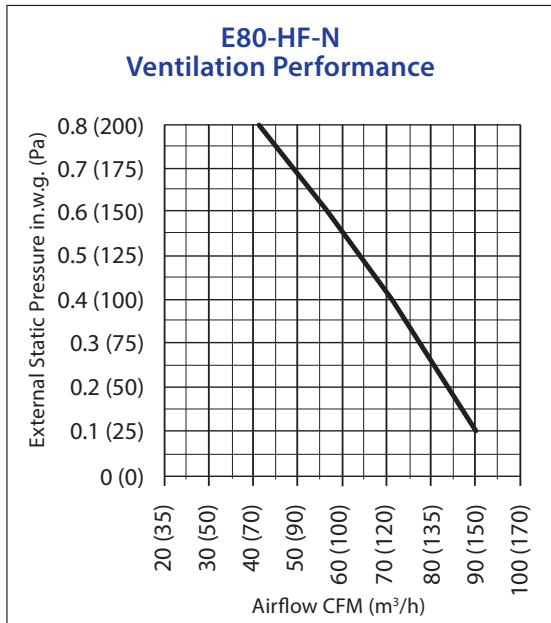


20/40/60 Minute Timer (P/N 611228)



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

# PERFORMANCE



Recovery Performance – E80-HF-N

Supply Temperature		Net Airflow		Power Consumed (W)	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency	Latent Transfer	Total Recovery Efficiency
°F	°C	CFM	L/s					
32	0	55	26	32	73%	77%	0.61	--
32	0	68	32	54	70%	75%	0.59	--
32	0	81	38	66	68%	74%	0.55	--
95	35	49	23	30	--	--	0.66	64%

For more information, contact your Aldes sales advisor, visit [aldes-na.com](http://aldes-na.com), call 1.800.255.7749, or find us on



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