



# INSPIRAIR® COMPACT

## HRV

### H80-HF-N

HEAT RECOVERY VENTILATOR  
73 CFM at 0.20 in.w.g (ESP)

Made in  
Canada

5 year  
Warranty

5 year  
Warranty

UNIT

CORE

### PRODUCT DESCRIPTION

The energy efficient balanced in-suite ventilation solution ideal for multi-unit residential buildings, the H80-HF-N delivers superior heat recovery performance 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 H80-HF-N exchanges **73 CFM** of air at 0.2 in.w.g (ESP), perfect for smaller dwellings in multi-unit residential buildings. The H80-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

Up to 70% 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: Polypropylene sensible heat-recovery core

### Casing

Material: 24-gauge galvanized steel  
Drain Connection: 0.5" (13 mm)  
Duct Connections: 5" (127 mm)  
Insulation: 1" (25 mm)  
Width: 22" (559 mm)  
Height: 9" (230 mm)  
Height: 27" (686 mm)  
Weight: 35 lbs (16 kg); Shipping Weight: 40 lbs (18 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  
Activated by a sensor when the outdoor temperature drops below 23°F (-5°C)



### Filters

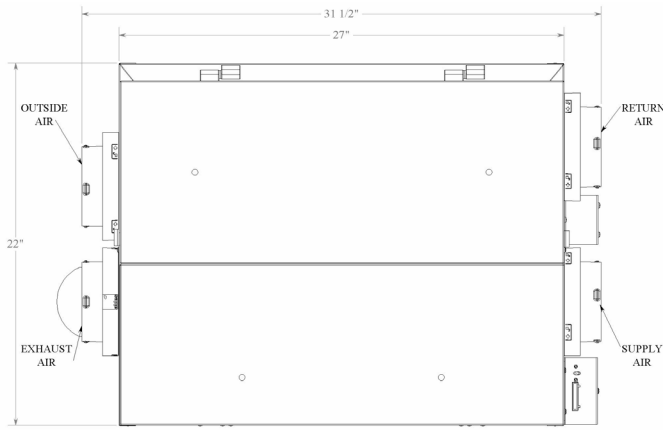
Type : MERV 6 (Two replacement filters, P/N: 612415)



### Blowers

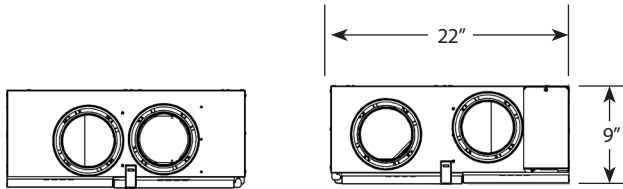
Two motorized impeller (backward-inclined)

# DIMENSIONS



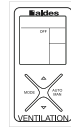
SIDE VIEW (left)

SIDE VIEW (right)

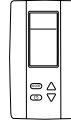


# CONTROLS

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)



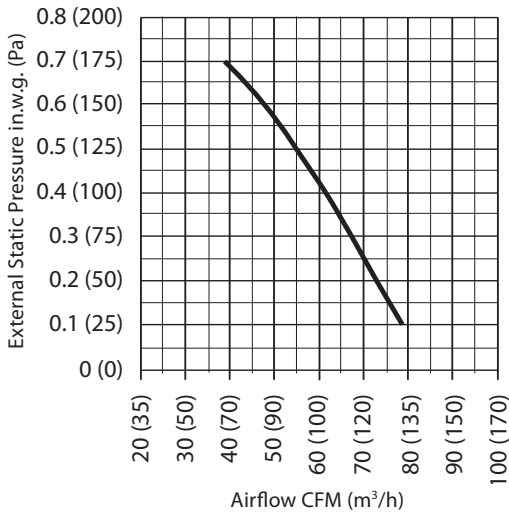
20/40/60 Minute Timer  
(P/N 611228)



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

# PERFORMANCE

**H80-HF-N**  
Ventilation Performance



Recovery Performance – H80-HF-N

Supply Temperature		Net Airflow		Power Consumed (W)	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency
°F	°C	CFM	L/s			
32	0	55	26	32	70%	74%
32	0	66	31	46	67%	71%
32	0	81	38	62	64%	69%

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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