



## RESIDENTIAL

### ERV

#### E80-HRX

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

Made in Canada

5 year  
Warranty

5 year  
Warranty

UNIT CORE



#### Recovery Core

Material: High-latent-transfer (HLT) enthalpy

#### Casing

Material: Pre-painted 24-gauge galvanized steel

Drain Connection: None

Duct Connections: Ø 5" (Ø 127 mm)

Insulation: 1" (25 mm) Fiberglass with FSK

Width: 22" (559 mm)

Height: 9" (230 mm)

Height: 27" (686 mm)

Weight: 43 lbs (19.5 kg); Shipping Weight: 48 lbs (22 kg)

Supply Damper: Motorized



#### Mounting

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



#### Electrical requirement

120 VAC, 60 Hz, 1.46 A, 87W

Cord Set: 36" (914 mm) with ground



#### Frost control

Automatic timed recirculation

Cycles controlled by a temperature sensor when the outdoor temperature drops below 18°F (-8°C)



#### Filters

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



#### Blowers

Two backward-inclined motorized impeller, direct-drive, EC motors, variable speed, external rotor

#### PRODUCT DESCRIPTION

The E80-HRX exchanges 89 CFM of air at 0.2 in.w.g (ESP), perfect for smaller dwellings in multi-unit residential buildings. The E80-HRX includes new EC motors Aldes' FLEXControl, electronic calibration that eliminates the need for balancing dampers and maximizes overall efficiency.

Recommendation : Ideal for small homes

#### KEY FEATURES

Electronically and independently adjustable supply and exhaust blowers (FLEXControl)

Gauge ports on the door for fast and reliable airflow readings

Non-dust-loading backward-inclined impellers on totally enclosed motors

Twist-in collars for easy flex-duct attachment

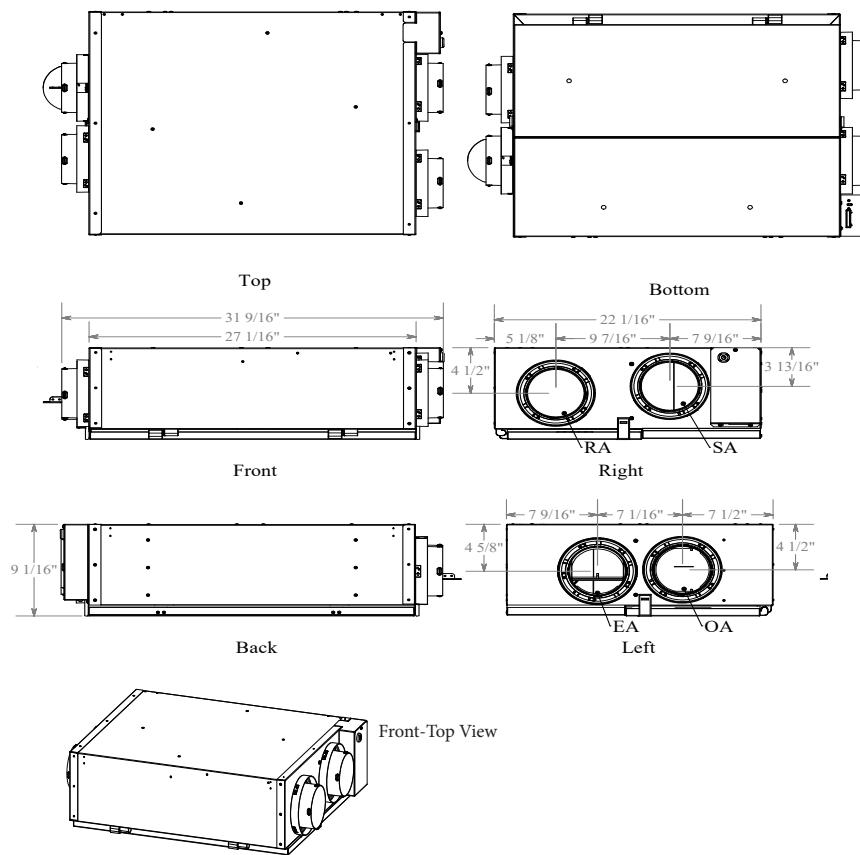
Easy access to core and filters for cleaning

Durable High Latent Transfer enthalpy core has exceptional moisture transfer for increased comfort and no drain required.

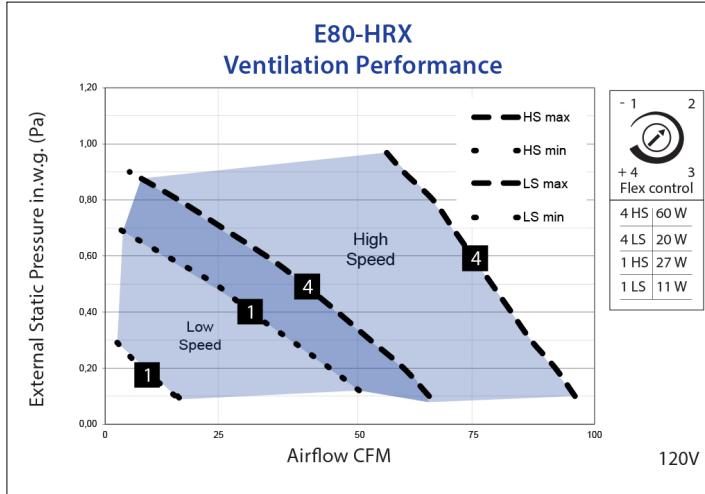
Recirculating defrost protects the core from freezing without putting the dwelling into negative-pressure

Exclusive free cooling economizer mode reduces the need for air conditioning in the spring and fall

# DIMENSIONS



# PERFORMANCE



Recovery Performance – E80-HRX								
Outside Air Temperature		Net Airflow		Power Consumed (W)	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency	Latent Recovery / Moisture Transfer	
°F	°C	CFM	L/s					
<b>Heating</b>								
32	0	51	24	22	75%	78%	0.69	
32	0	64	30	32	71%	75%	0.66	
32	0	81	38	46	69%	73%	0.63	
-13	-25	53	25	35	60%	62%	0.64	
<b>Cooling</b>								
95	35	51	24	22	61%	63%	0.58	
TRE		ATRE						

Free Cooling Specifications – E80-HRX								
Bypass Damper	Temperature In		Temperature Out		Net Airflow in Free Cooling Mode (CFM at 0.4 in. w.g.)			
	°F	°C	°F	°C	High Speed		Low Speed	
					CFM	L/s	CFM	L/s
Open - Starts Free Cooling	>72°	>22°	>55° OR <66°	>13° OR <19°	84	40	49	23
Close - Starts Heat Recovery	<72°	<22°	<55° OR >66°	<13° OR >19°	--	--	--	--

# 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)



Mode Control (Recirculation) (P/N 611230)

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

