



C22.2 no113
UL 1812

EK80-HFX

EK80-HFX-N (fixed connection)

EK80-HFX-M (mirror)

EK80-HFX-M-N (mirror, fixed connection)



PLATE EXCHANGER

Polymeric membrane counter-flow ERV

CASING (Standard)

Material: 24-gauge galvanized steel

Drain connections: none

Duct connections: 5" (127 mm)

Insulation: Polystyrene

Length: 20" (508 mm)

Height: 9" (229 mm)

Width: 20" (508 mm)

Weight: 34 lbs (15,4 kg)

Exhaust Damper: Closed by gravity



MOUNTING

The unit can be installed in multiple directions (refer to installation manual)

Ceiling and wall mounting bracket included

Mounting chains optional (P/N : 609051)



ELECTRICAL & CONTROLS (Standard)

120 VAC, 60 HZ, 105 W, 1.68 A



FILTERS

(Standard)

2 Washable Foam Filters 20 ppi (P/N : 700075)

Optional (sold separately):

Washable MERV 6 (P/N : 700076)

Washable MERV 8 (P/N : 612419)

High Efficiency/MERV 13 Equivalent (P/N : 700077)



BLOWERS & MOTORS

Two motorized impellers (backwards inclined)

EC motors

Detachable terminal bloc for easy connection

InspirAIR® COMPACT ERV

EK80-HFX

88 CFM at 0.4 in.w.g



UNIT

CORE



FROST PREVENTION/CONTROL

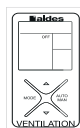
Automatically controlled defrost cycles: The cycles are controlled by a temperature sensor when the outdoor temperature drops below -12 °C (10.4 °F).

WARRANTY

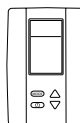
Limited 5 years on the cores and all covered components.

WALL CONTROLS

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



Digital Multifunction Control (#611242-FC)



LCD Electronic Multifunction Control (P/N 611227)



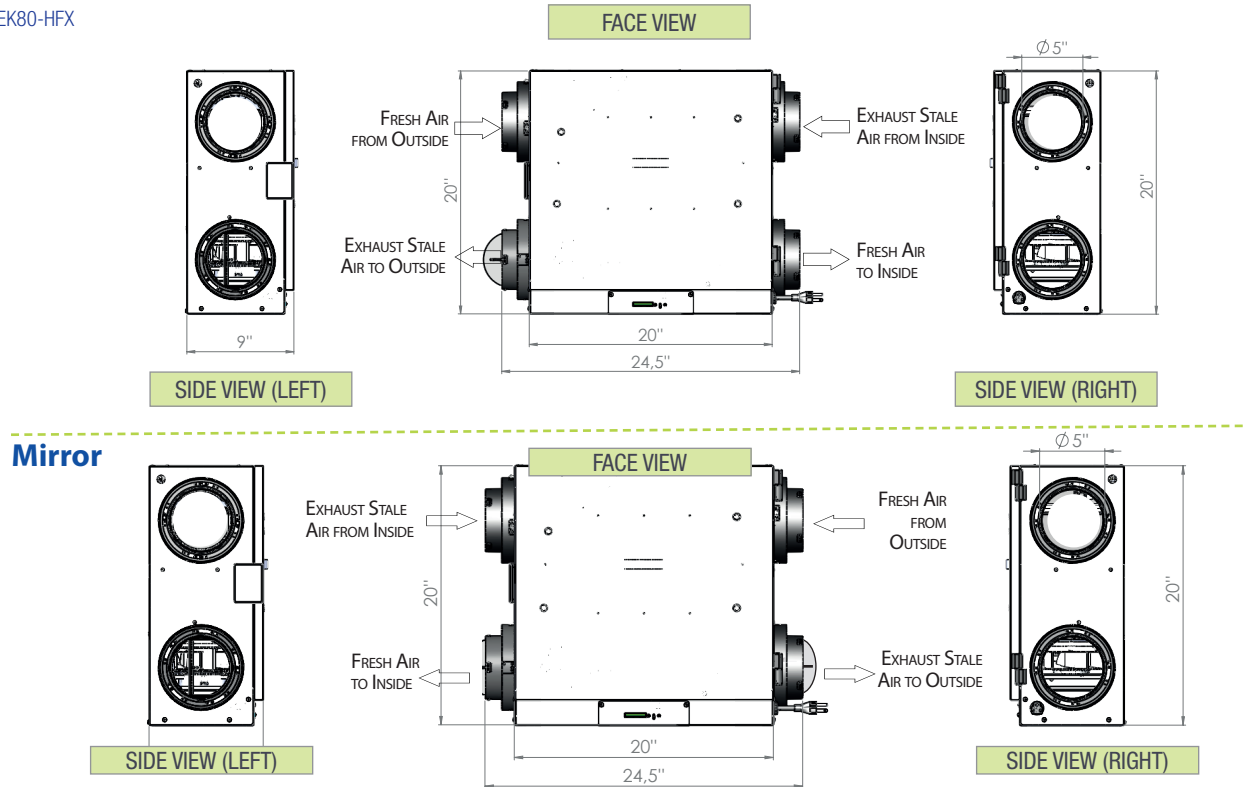
20/40/60 Minute Timer (P/N 611228)



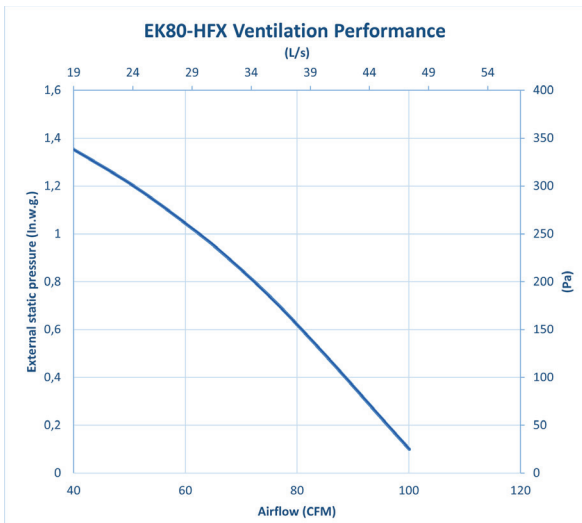
Speed Control (Low/Intermittent/High)
(P/N 611229)



Mode Control (Recirculation) (P/N 611230)



EK80-HFX: PERFORMANCE



Technical data obtained from the published results of tests related to CSA C439-18 standards.

Thermal Performance – EK80-HFX

Supply 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	36	17	24	80%	85%	85%	--
32	0	50	23	32	76%	80%	79%	--
32	0	64	30	44	73%	77%	74%	--
32	0	80	37	61	69%	75%	69%	--
14	-10	64	30	47	71%	75%	70%	--
Cooling								
95	35	64	30	47	--	--	70%	66%

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

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