InspirAIR® COMPACT

ERV

EK80-HF

77 CFM at 0.4 in.w.g

Made in Canada | 5 year Warranty UNIT | 5 year Warranty CORE

HVI CERTIFIED

Intertek
C22.2 no113
UL 1812

EK80-HF
EK80-HF-N (fixed connection)
EK80-HF-M (mirror)
EK80-HF-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 (Standard)
Ceiling and wall mounting bracket included
Mounting chains optional (P/N : 609051)

ELECTRICAL & CONTROLS (Standard)
120 VAC, 60 HZ, 99 W, 1.04 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)

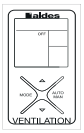
BLOWERS & MOTORS
Two motorized impelers (backwards inclined)
PSC motors with quick connect for maintenance
Detachable terminal for easy connection

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).

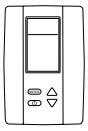
WARRANTY
Limited 5 years on the cores and all covered components.

WALL CONTROLS

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



Digital Multifunction Control (#611242-FC)



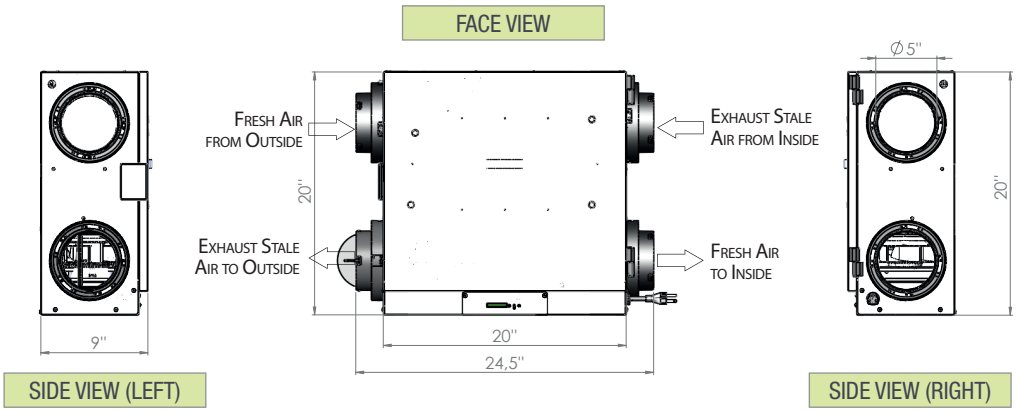
LCD Electronic Multifunction Control (P/N 611227)

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

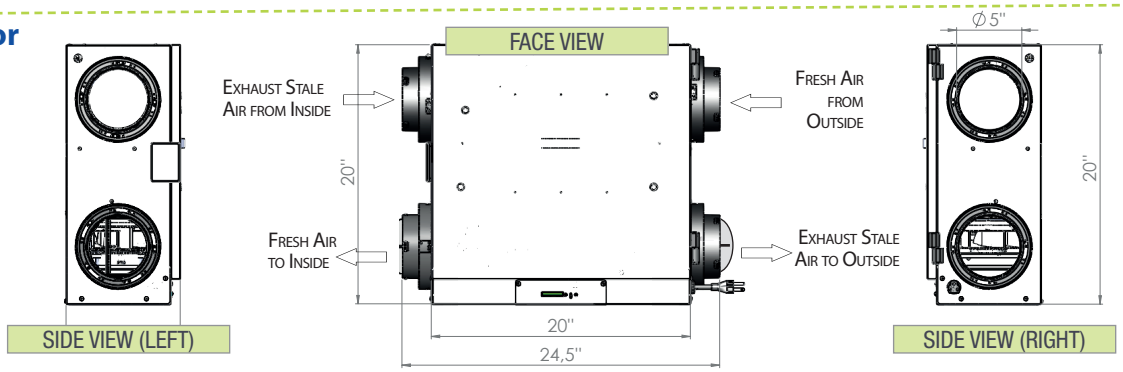
Speed Control (Low/Intermittent/High) (P/N 611229)

Mode Control (Recirculation) (P/N 611230)

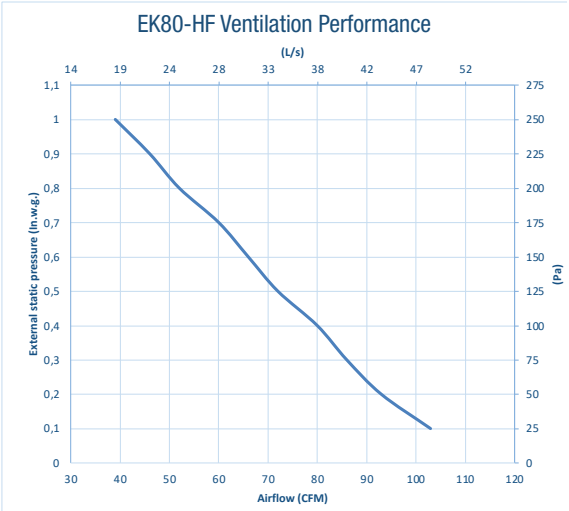
aldes DIMENSIONS



Mirror



EK80-HF: PERFORMANCE



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

Thermal Performance – EK80-HF

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	44	79%	88%	86%	--
32	0	50	23	51	75%	82%	80%	--
32	0	64	30	57	72%	78%	75%	--
32	0	80	38	79	69%	75%	70%	--
14	-10	64	30	56	71%	75%	72%	--
Cooling								
95	35	63	30	71	--	--	68%	61%

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