



C22.2 no113
UL 1812



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: 32-1/8" (816 mm)

Height: 9-7/8" (251 mm)

Width: 23-1/8" (587 mm)

Weight: 53 lbs (24kg)

Exhaust Damper: Gravity



MOUNTING (Standard)

Ceiling mounting bracket included



ELECTRICAL & CONTROLS (Standard)

120 VAC, 60 HZ, 207 W, 1.94 A



FILTERS

(Standard)

Quantity: 1 supply, 1 exhaust

Supply Filter Type: Washable MERV 8 (P/N 607116)

Exhaust Filter Type: Washable Foam (P/N 609630)

(Optional: Sold Separately)

MERV 13 Filters (substitute on supply air circuit only)

P/N: 607117



BLOWERS & MOTORS

Two motorized impellers (forward-curved)

PSC motor

InspirAIR® FRESH ERV

EK120-HF-N

99 CFM at 0.4 in.w.g (ESP)



UNIT

CORE



FROST PREVENTION/CONTROL

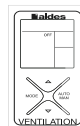
Automatic Timed Recirculation: Cycles are controlled by a temperature sensor when the outside temperature drops below 10.4°F (-12°C).

WARRANTY

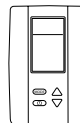
Limited 5 years on the cores and all covered components.

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)



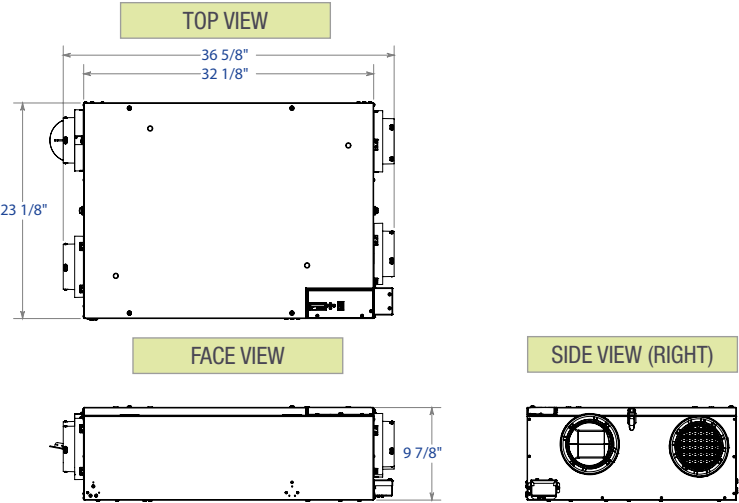
20/40/60 Minute Timer (P/N 611228)



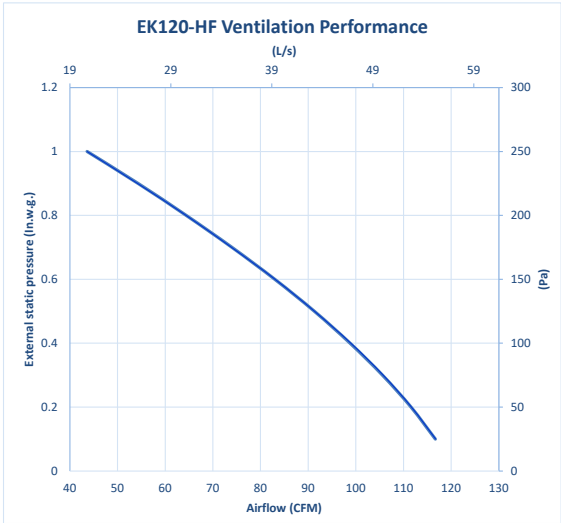
Speed Control (Low/Intermittent/High)
(P/N 611229)



Mode Control (Recirculation) (P/N 611230)



EK120-HF: PERFORMANCE



Thermal Performance – EK120-HF-N								
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	50	23	72	72%	82%	73%	--
32	0	64	30	88	71%	81%	72%	--
14	-10	66	31	92	72%	78%	70%	--
Cooling								
95	35	50	23	74	--	--	73%	62%

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