

# aldes



## PLATE EXCHANGER

High-efficiency polymeric membrane counter-flow ERV



## CASING (Standard)

Material: 24-gauge galvanized steel  
Drain connections: optional  
Duct connections: 5" (127 mm)  
Insulation: EPS molded polystyrene  
Length: 23" (584.2 mm)  
Height: 19" (482.6 mm)  
Width: 16" (406.4 mm)  
Weight: 51 lb (23 kg)  
Exhaust Damper: Closed by gravity  
Swivel ports for horizontal, vertical, oblique or mixed installations.



## MOUNTING

Mounting chains included  
Wall mounting optional (P/N 699921)



## ELECTRICAL SPECIFICATIONS

120 V, 60 Hz, 181 W, 2.06 A



## FILTERS (Standard)

Quantity:  
2 washable MERV 6 filters (P/N 699771)  
Optional filter types: MERV 8 (P/N 699772),  
MERV 13 (P/N 699881)

# InspirAIR® ELITE

## ERV

### EK150-TF

155 CFM at 0.4 in.w.g



## BLOWERS & MOTORS

Two motorized impelers (backwards inclined)  
Quick-connect motors for easy and efficient maintenance  
PSC motor



## DEFROST

Automatic timed integral exhaust defrost: cycles are controlled by a temperature sensor when the outdoor temperature drops below 10.4°F (-12°C)

## 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. For more details, please refer to the wall control specification sheets.



Digital Multifunction Control (P/N 611242-FC)



LCD Electronic Multifunction Control (P/N 611227)



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

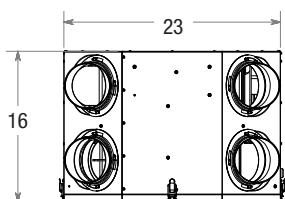


Speed Control (Low/Intermittent/High) (P/N 611229)

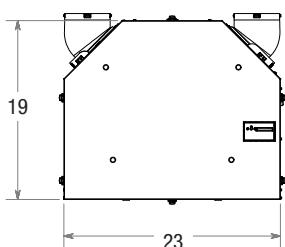


Mode Control (Recirculation) (P/N 611230)

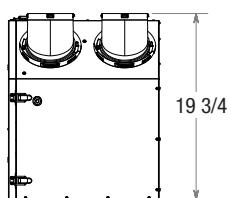
## TOP VIEW



## FRONT VIEW

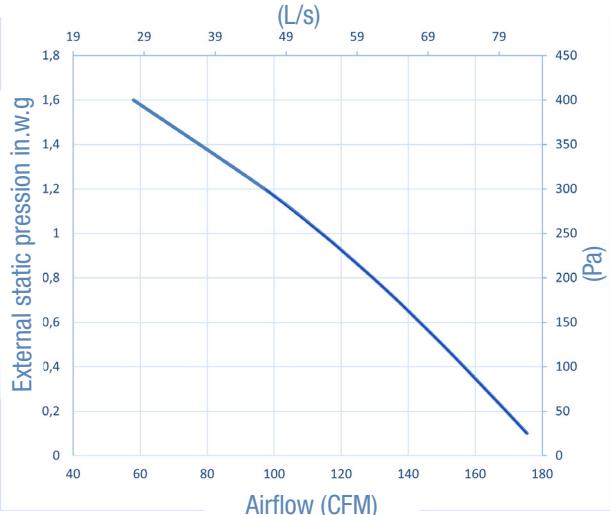


## SIDE VIEW



## EK150-TF: PERFORMANCE

### EK150-TF Ventilation Performance



### Thermal Performance – EK150-TF

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					
<b>Heating</b>								
32	0	36	17	59	87%	99%	96%	-
32	0	50	23	70	86%	96%	92%	-
32	0	64	30	81	85%	94%	90%	-
32	0	80	38	92	83%	91%	87%	-
-13	-25	82	39	88	62%	65%	62%	-
<b>Cooling</b>								
95	35	65	30	80	-	-	86%	76%

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

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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