

# 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)

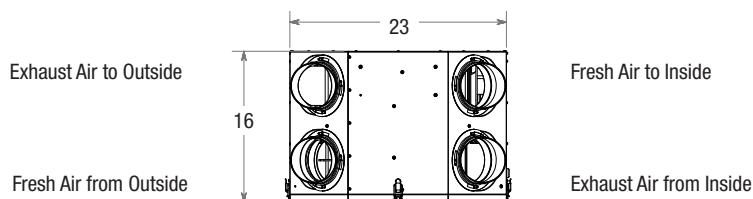


Speed Control (Low/Intermittent/High)  
(P/N 611229)

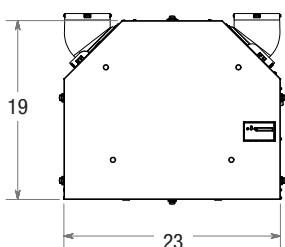


Mode Control (Recirculation) (P/N 611230)

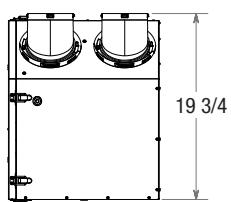
## TOP VIEW



## FRONT VIEW

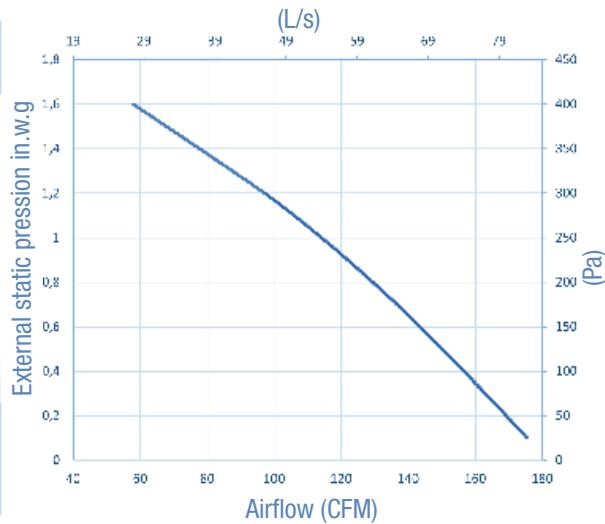


## SIDE VIEW



## 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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