



#### 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 699878)



#### 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

148 CFM at 0.4 in.w.g



UNIT



CORE



#### BLOWERS & MOTORS

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



#### DEFROST

Automatic Programmed 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.

## 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)



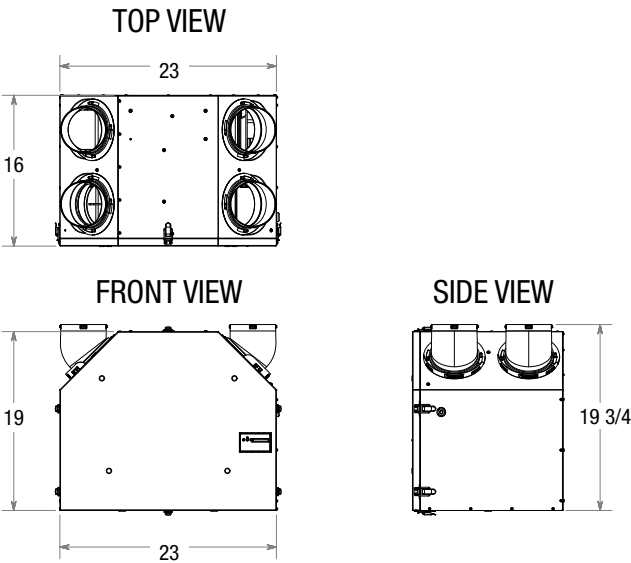
20/40/60 Minute Timer (P/N 611228)



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

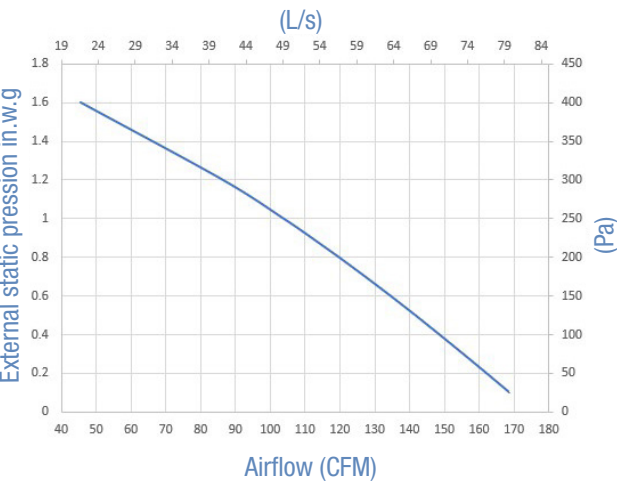


Mode Control (Recirculation) (P/N 611230)



# EK150-TF: PERFORMANCE

EK150-TF Ventilation Performance



Thermal Performance – EK150-TF								
Supply Tem- perature		Net Airflow		Power Con- sumed (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	60	82%	91%	89%	-
32	0	65	30	71	82%	90%	86%	-
14	-10	65	30	69	81%	86%	85%	-
Cooling								
95	35	64	30	71	-	-	83%	76%

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