ERV • SEK160-FX

InspirAIR® APEX

165 CFM at 0.2 in. w.g.

aldes
At the heart of buildings



Adjustable High Speed
from 80 to 160 CFM @ 0.4 in. w.g.

Adjustable Low Speed
from 45 to 100 CFM @ 0.4 in. w.g.

MADE IN CANADA | EC | 5 YEARS WARRANTY Core | 5 YEARS WARRANTY Other Parts

Intertek | 2100 HVI CERTIFIED

SEK160-FX
SEK160-FX-M (mirror)
SEK160-FX-N (fixed connection)
SEK160-FX-M-N

PRODUCT DESCRIPTION

Designed for modern residential projects—from high-rise buildings to single-family homes—this platform combines compactness, flexibility, and exceptional performance. Engineered to provide long-lasting reliability and peace of mind for users, it integrates easily into all types of installations while meeting the highest standards of comfort and energy efficiency.

TECHNICAL INFORMATION

Plate Exchanger
Material: Polymeric membrane counter-flow ERV

Caising (Standard)
Material: 24-gauge galvanized steel
Drain Connection: none
Duct Connections : 6" (152 mm)
Insulation: Polystyrene
Length: 24" (610 mm)
Height: 9.75" (248 mm)
Width: 21" (533 mm)
Unit Weight: 45 lb (20.4 kg)
Exhaust Damper: Closed by gravity

Mounting
The unit can be installed in Multiple directions (refer to installation manual)
Ceiling and wall mounting bracket included

Electrical Requirements
120VAC, 60 HZ, 229W, 3.01A

Filters
Washable MERV 8 Filters (standard)
(No. 200500962) (2x)
Optional MERV 13 Filters (No. 200500963) (2x)

Blowers
Two motorized impellers (forward inclined)
EC motors with constant airflow

Frost Control
Automatically controlled defrost cycles: Cycles are controlled by a temperature sensor when the outdoor temperature drops below -12°C (10.4 °F)

FLEXControl™
Easy balancing with FLEXControl and constant airflow maintained by EC motors

WALL CONTROLS

Low-voltage dry contact (24 VAC) to synchronize with the heating/cooling system. For more details, refer to the installation manual.



Digital Multifunction Control
(No. 200500242_FC)



LCD Electronic Multifunction Control
(No. 200500227)



20/40/60 Minute timer
(No. 200500228)



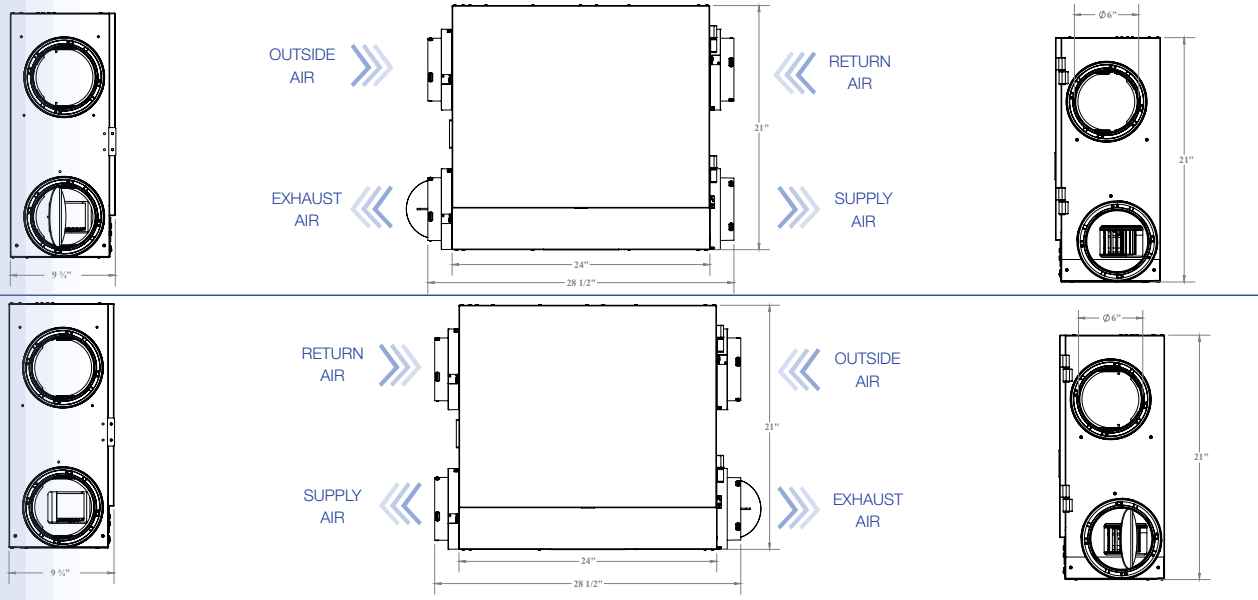
Speed control
(low/intermittent/high)
(No. 200500229)



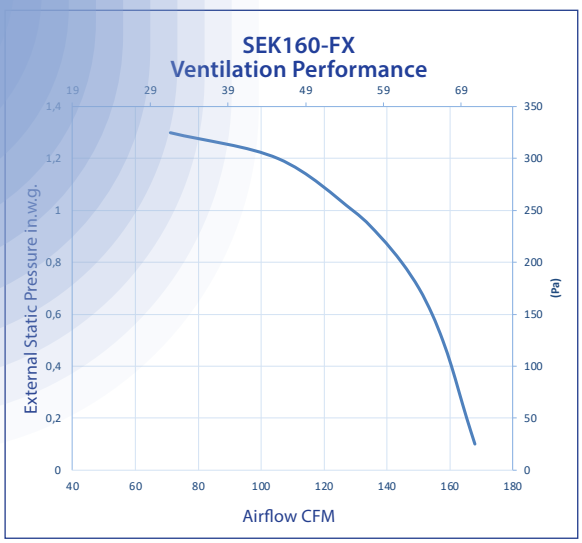
Mode Control
(recirculation)
(No. 200500230)

DIMENSIONS

SIDE VIEW (LEFT) | FRONT VIEW | SIDE VIEW (RIGHT)



PERFORMANCE



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

Ventilation Performances

Ext. Static Pressure (Pa)	Ext. Static Pressure (in. w.g.)	Net Supply Airflow (L/s)	Net Supply Airflow (CFM)	Gross Supply Airflow (L/s)	Gross Supply Airflow (CFM)	Gross Exhaust Airflow (L/s)	Gross Exhaust Airflow (L/s)
25	0.1	80	170	80	170	80	170
50	0.2	78	165	79	167	80	170
75	0.3	77	163	78	165	79	167
100	0.4	76	161	77	163	78	165
125	0.5	75	159	75	159	76	161
150	0.6	73	155	74	157	75	159
175	0.7	71	150	72	153	73	155
200	0.8	68	144	69	146	71	150
225	0.9	65	138	66	140	68	144
250	1.0	61	129	62	131	64	136

Thermal Performance – SEK160-FX

Supply Temperature		Net Airflow		Power Consumed (w)	Sensible Recovery Efficiency	Adjusted Sensible Recovery Efficiency	Latent Recovery/ Moisture Transfer	Total Recovery Efficiency	Fan Efficiency CFM/Watt
°F	°C	CFM	L/s						
Heating									
32	0	42	20	23	85%	88%	88%	-	1.8
32	0	50	23	27	83%	87%	85%	-	1.8
32	0	64	30	33	81%	85%	82%	-	1.9
32	0	80	37	44	79%	83%	79%	-	1.7
-13	-25	63	29	42	57%	59%	58%	-	-
Cooling									
95	35	65	31	35	-	-	81%	77%	-

YOUR PROJECT

Project	
Location:	
Model #:	
Quantity:	
Submitted by:	
Date:	

For more information, contact your Aldes sales advisor, visit aldes-na.com, call 1.800.255.7749 or find us on

Aldes-FicheTech-SEK160-FX-Angl
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