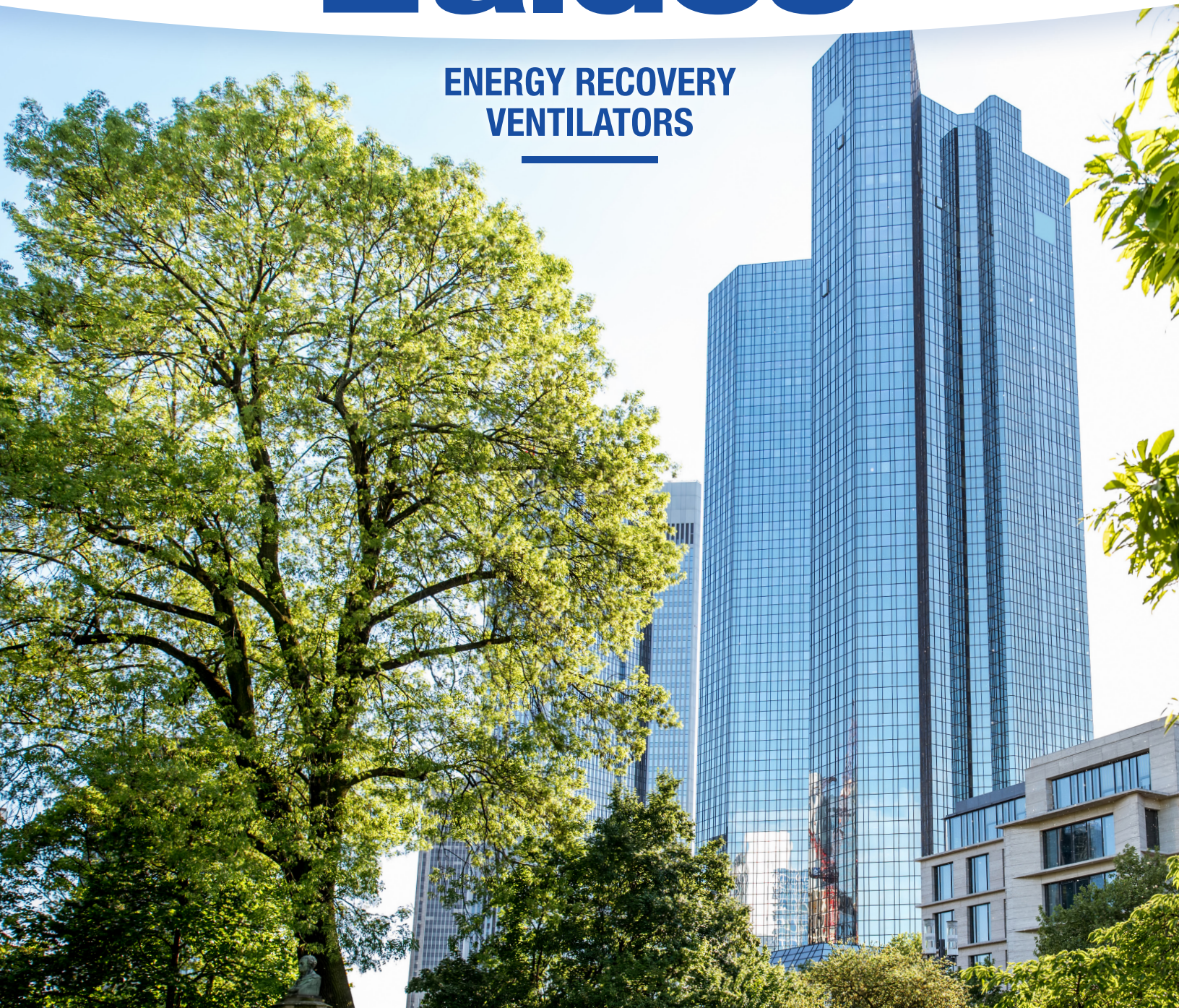




## ENERGY RECOVERY VENTILATORS

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## INSPIRAIR® COMPACT EK80 SERIES

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FOR HIGH-RISE RESIDENTIAL TOWERS  
77-88 CFM

PRODUCT BROCHURE

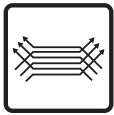


## EFFICIENT - RELIABLE - EASY TO INSTALL

The InspirAIR® COMPACT EK80 Series has been specially designed to deliver exceptional energy performance in tight spaces. With its compact size and exclusive wall-mount bracket, it can be easily installed in condos, apartments, and multi-unit buildings, without compromising performance or indoor air quality. Offering efficiency comparable to larger systems, the EK80 Series ensures ideal comfort while optimizing the building's energy consumption. It's an ideal choice for those seeking the perfect combination of power, easy installation, and space savings.

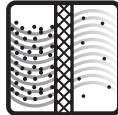
### ENERGY EFFICIENCY

LOW CONSUMPTION UNITS  
IMPROVE INDOOR COMFORT AND REDUCE  
THE BUILDING'S ENERGY USE  
COLD CLIMATE PROTECTION  
EC MOTORS (OPTIONAL)  
COUNTER-FLOW ENTHALPIC CORE



### RELIABILITY

ROBUST DESIGN  
100% UNIT TESTED IN PRODUCTION  
MADE IN CANADA  
100 YEARS OF EXPERTISE IN HVAC  
ALDES, A STRONG INTERNATIONAL  
EXPERTISE



### EASY INSTALLATION

COMPACT DESIGN  
MULTIPLE WAYS TO INSTALL  
QUICK SET-UP  
FLEXCONTROL: FRIENDLY USER INTERFACE  
NO DRAIN REQUIRED  
MIRROR & HARDWIRED VERSION



**80% Sensible Recovery Efficiency** ALDES Polymeric membrane counter-flow core guarantees an optimal heat and humidity level and a high recovery efficiency. ENERGY STAR® certified, the core also performs remarkably well in cold climates reaching 60% @ -25°C/-13F

#### Cold Supply Air Prevention (CSAP)

Ensures tempered air distribution during extreme cold, which improves comfort and helps protect the equipment

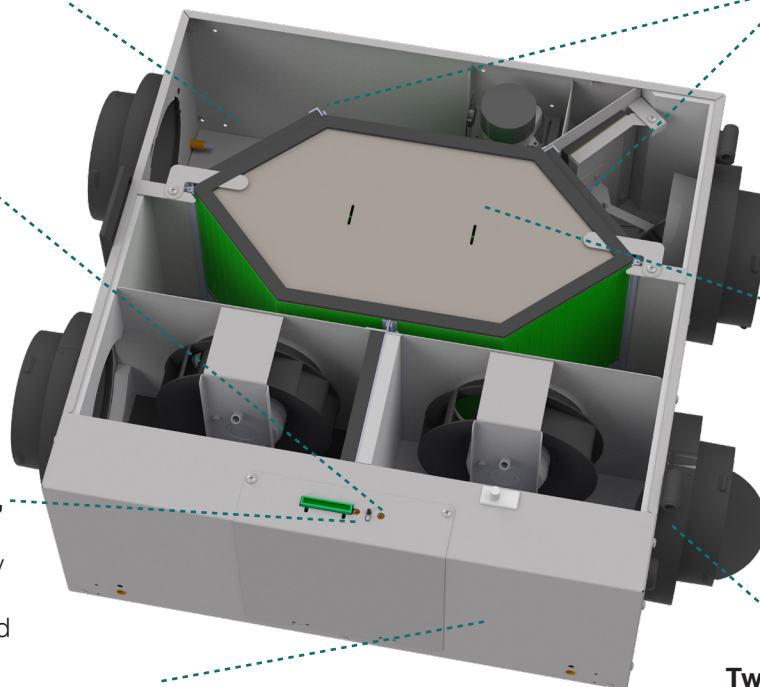
**Exclusive FLEXControl**, an electronic calibration system that automatically adjusts the supply and exhaust fans for improved overall efficiency

**Low-profile design** for a clean installation in restrictive spaces (compact 9" height design)

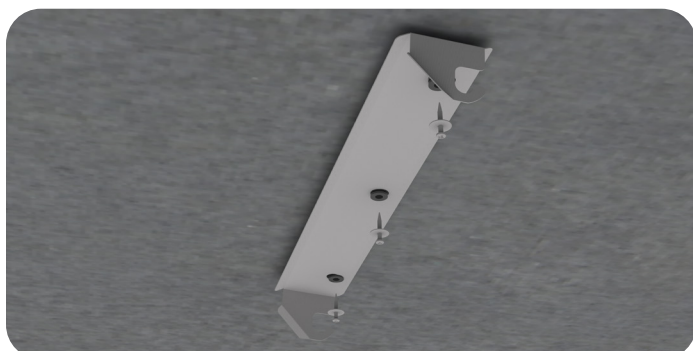
**Optional MERV 6, MERV 8, and MERV 13 filters** are available for superior particle and pollutant capture

**Easy access** to main components for installation and maintenance

**Twist-in collars** (4) easy flex-ducts attachment

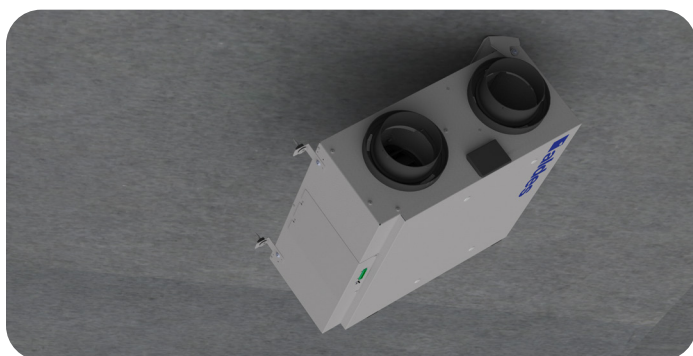


Quick and easy ceiling or wall installation thanks to the exclusive bracket specially developed to simplify the installation process.



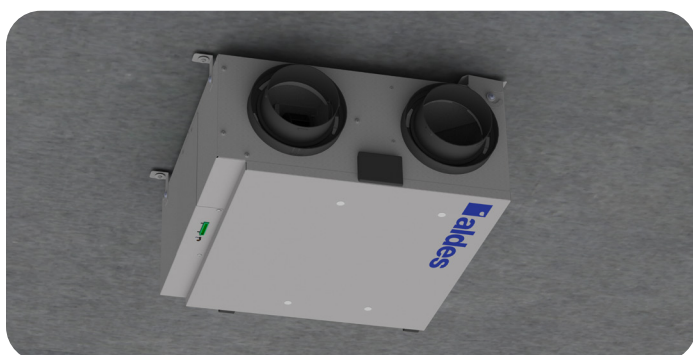
## Easy-to-install unit

- Brackets suitable for ceiling or wall mounting
- Brackets designed for quick installation by a single person
- No drain required



## Easy-to-balance unit

- Pressure port on the door
- FLEXcontrol: Electronically balances air circuits for a simple and precise installation



The mounting hardware ensures safe and vibration-free installation.

# WALL CONTROLS

Choice of easy-to-use wall controls with different modes and options to meet user needs.



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)

## TECHNICAL SPECIFICATIONS

	EK80-HF EK80-HF-N EK80-HF-M EK80-HF-M-N	EK80-HR EK80-HR-N EK80-HR-M EK80-HR-M-N	EK80-HFX EK80-HFX-N EK80-HFX-M EK80-HFX-M-N	EK80-HRX EK80-HRX-N EK80-HRX-M EK80-HRX-M-N
Ventilation Capacity	77 CFM	77 CFM	88 CFM	88 CFM
Recovery type	ERV Counter-flow core			
Maximum sensible recovery efficiency at 0°C, 64 CFM	72%	72%	73%	73%
Maximum sensible recovery efficiency at 0°C, 36 CFM	79%	79%	80%	80%
Maximum sensible recovery efficiency at -25°C	-	61% (49 CFM)	-	60% (51 CFM)
Ports diameter	5 in.			
Dimensions (inches) (Height x Width x Depth)	9 x 20 x 20			
Weight	34 lb.	35 lb.	34 lb.	35 lb.
Motors	PSC	PSC	EC	EC
Defrost Strategy	Evacuation	Recirculation	Evacuation	Recirculation
Pressure taps to balance airflow	Yes			
Filtration Type	Washable Foam			
Optional filtration type (sold separately)	MERV 6, MERV 8 and MERV 13			
Compatible wall controls	Digital Multifunction Control, LCD Electronic Multifunction Control, 20/40/60-Minute Timer, Speed Control, Mode Control			
CFM/Watt	1.1	1.1	1.6	1.6
Hardware included	Ceiling and wall mounting bracket included. Optional suspension chain kit available (no. 609051)			
Warranty on parts	Limited 5 years			
Warranty on core	Limited 5 years			
ENERGY STAR® Certified	No	Yes	No	Yes



For more information, contact your  
Aldes sales advisor, visit [aldes-na.com](http://aldes-na.com),  
or find us on



Aldes North America  
USA 800.255.7749 CAN 800.262.0916

