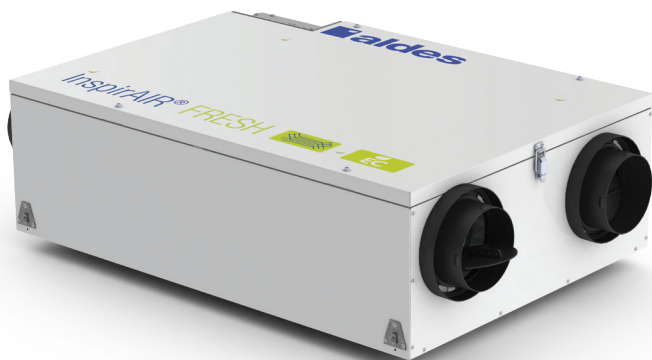
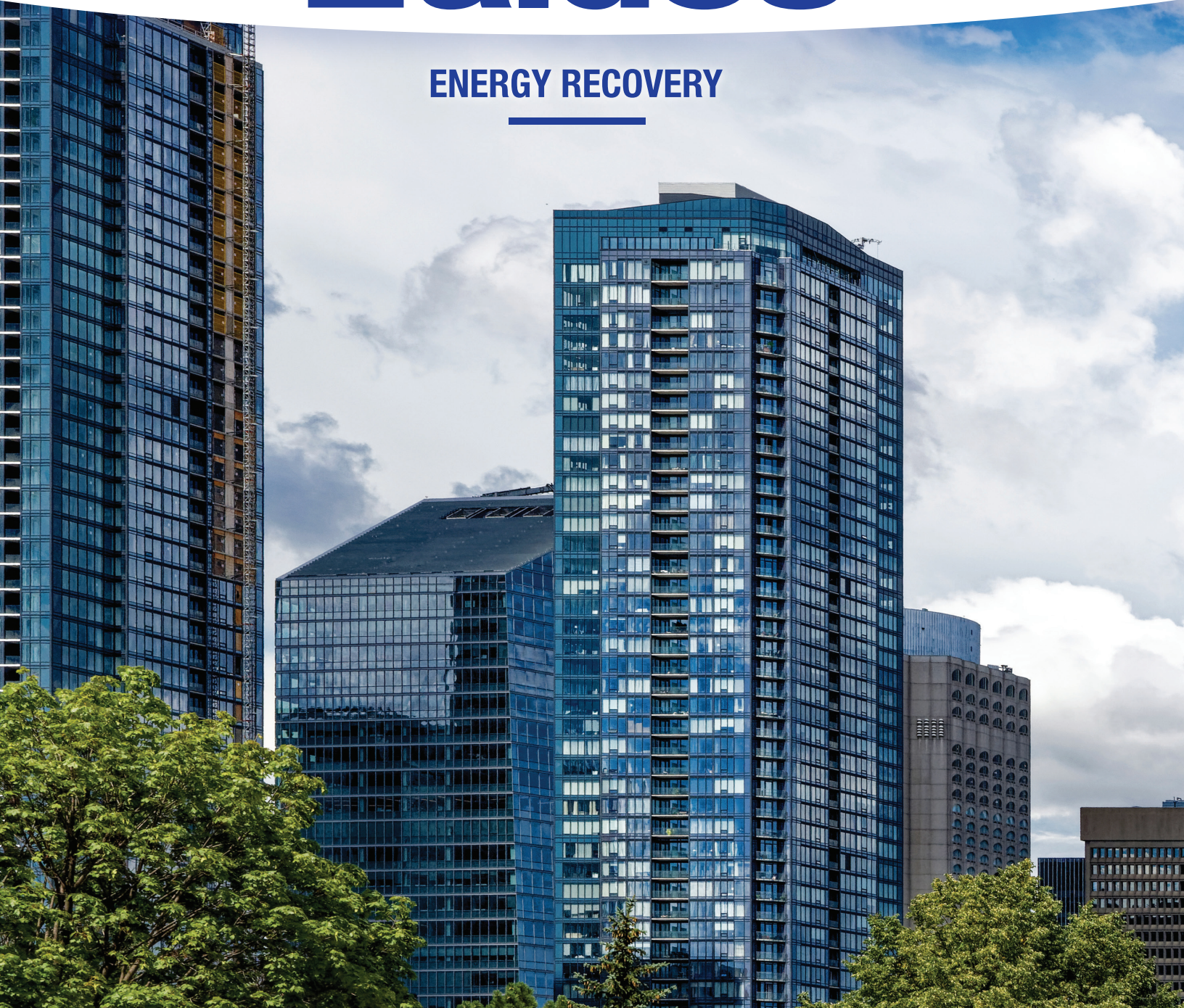




## ENERGY RECOVERY

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## INSPIRAIR® FRESH

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FOR HIGH-RISE RESIDENTIAL TOWERS  
99-117 CFM

PRODUCT BROCHURE

# HIGH-EFFICIENCY VENTILATION FOR HIGH-RISE RESIDENTIAL TOWERS

Small spaces require redesigned technology. The ideal solution for high-rise residential towers is the InspirAIR FRESH. It delivers exceptional performance in a compact, easy-to-install package only 9-7/8" in height. Easily concealed in the ceiling, it has been thoughtfully engineered to meet the needs and requirements of apartments, condominiums, and dwellings that use concrete-slab construction. These units improve indoor comfort and reduce the building's energy use.

## ENERGY EFFICIENCY & CONSTANT AIRFLOW

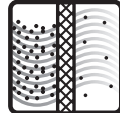
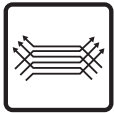
76% SRE AT 0°C AND 64 CFM  
COUNTER-FLOW ENTHALPIC CORE  
EC MOTORS (OPTIONAL)  
LOW CONSUMPTION UNITS

## IAQ & COMFORT

STANDARD MERV 8 FILTRATION  
MERV 13 (OPTIONAL)  
QUIET COMFORT  
OPTIMAL HUMIDITY LEVEL

## EASY INSTALLATION

LOW-PROFILE DESIGN  
QUICK-CLIP CEILING BRACKETS  
METALLIC TEMPLATE  
NO DRAIN REQUIRED  
DOOR PRESSURE TAPS  
AUTO-BALANCING (PREMIUM UNITS)



### Constant air flow

thanks to the EC motors that automatically adjust to ensure ventilation stability regardless of the static pressure difference in high-rise residential tower which results in optimal indoor air quality

### Cold Supply Air Prevention (CSAP)

ensures that the air distribution is tempered in extreme cold which improves comfort and helps protect equipment

**FLEXControl** is an exclusive electronic calibration that automatically adjusts the supply and the exhaust blowers for an improved overall efficiency

### 76% sensible recovery

ALDES Polymeric membrane **counter-flow core** guarantees an optimal heat and humidity level and a high recovery efficiency

### Standard MERV 8 filter

offering high-quality filtration

**Optional MERV 13 filter** available for superior capture of particles and pollutants

### Easy access

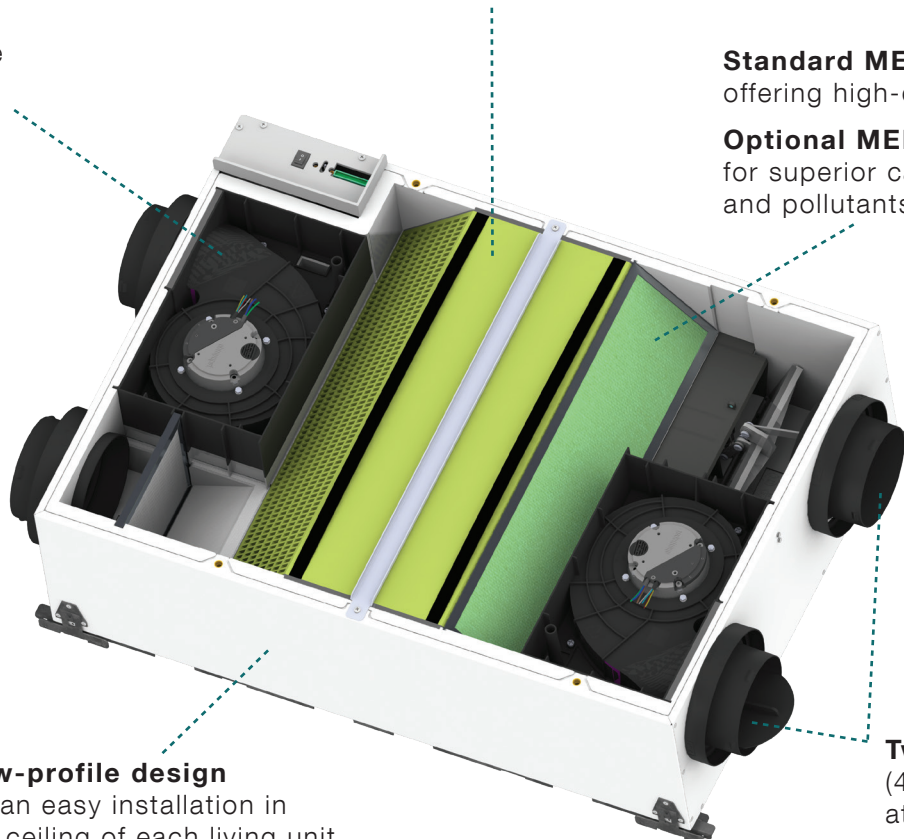
to core and filters for cleaning by opening the front panel

### Low-profile design

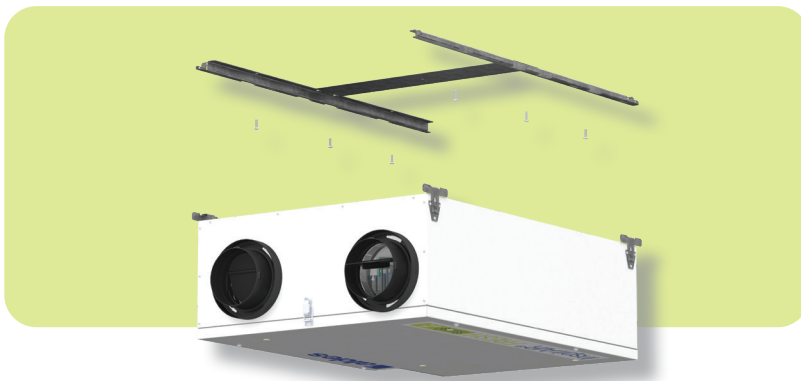
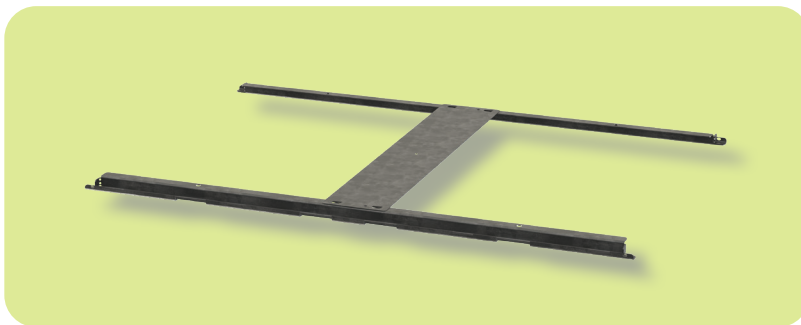
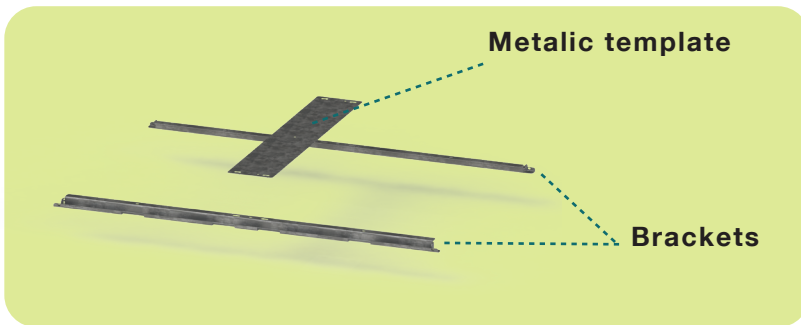
for an easy installation in the ceiling of each living unit

### Twist-in collars

(4) easy flex-duct attachment



Easy and fast installation on the ceiling thanks to the installation bracket specially designed by ALDES.



Our mounting hardware ensures a secure vibration proof installation.

### Easy to install unit

- Quick-clip ceiling brackets
- Metallic template
- No need to screw brackets to the unit
- No drain required

### Easy to balance unit

- Door pressure taps
- Self-balancing EC constant airflow motors (premium units)

### Permanent electric connection

- Compliance with NEC
- No plugs, no wires

Multiple choices of easy-to-use wall controls with different modes and options to suit 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

	EK120-HFX-N	EK120-HRX-N	EK120-HF-N	EK120-HR-N
Ventilation Capacity	117 CFM	117 CFM	99 CFM	99 CFM
Recovery type	ERV Counter-flow core	ERV Counter-flow core	ERV Counter-flow core	ERV Counter-flow core
Maximum sensible recovery efficiency at 0°C	76%	76%	72%	72%
Ports diameter	5 in.	5 in.	5 in.	5 in.
Dimensions (inches) (Height x Width x Depth)	23- <sup>1</sup> / <sub>8</sub> x 36- <sup>5</sup> / <sub>8</sub> x 9- <sup>7</sup> / <sub>8</sub>			
Weight	53 lb.	53 lb.	53 lb.	53 lb.
Motors	EC	EC	PSC	PSC
Defrost Strategy	Fan defrost	Recirculation	Fan defrost	Recirculation
Pressure taps to balance airflow	Yes			
Integrated constant airflow	Yes	Yes	No	No
Standard filtration type	MERV 8			
Optional filtration type (sold separately)	MERV 13			
Compatible wall controls	Digital Multifunction Control, LCD Electronic Multifunction Control, 20/40/60-Minute Timer, Speed Control, Mode Control			
CFM/Watt	1.9	1.9	0.7	0.7
Hardware included	Ceiling mount brackets included and screws			
Warranty on parts	Limited 5 years			
Warranty on core	Limited 5 years			
ENERGY STAR® Certified	No	Yes	No	No



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

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