



ENERGY RECOVERY VENTILATORS



INSPIRAIR® COMPACT EK80 SERIES

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 optimal comfort while reducing 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

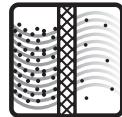
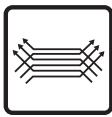
LOW CONSUMPTION UNITS
IMPROVE INDOOR COMFORT AND REDUCE THE BUILDING'S ENERGY USE
COLD CLIMATE PROTECTION
EC MOTORS (OPTIONAL)
COUNTER-FLOW ENTHALPIC CORE

RELIABILITY

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

EASY INSTALLATION

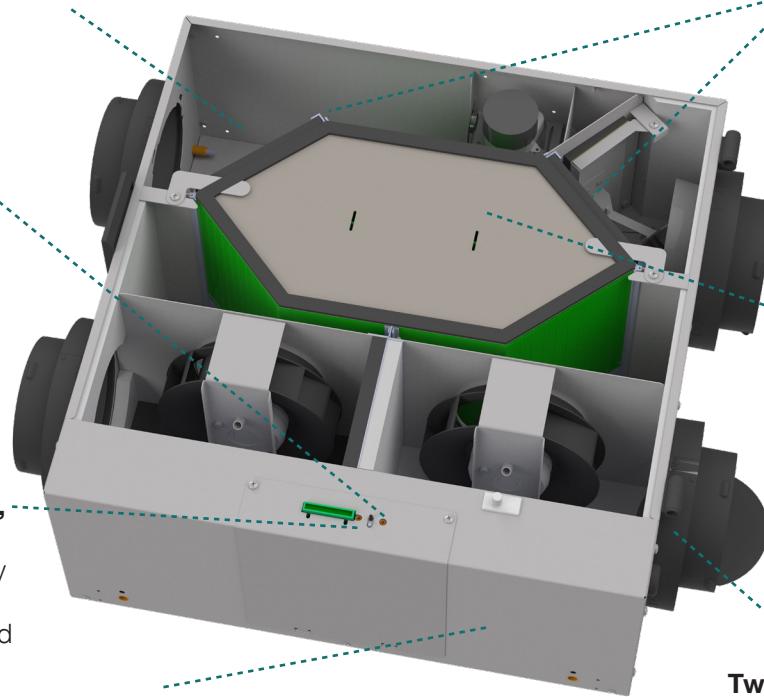
COMPACT DESIGN
TWIST-IN COLLARS
MULTIPLE WAYS TO INSTALL
QUICK SET-UP
FLEXCONTROL: FRIENDLY USER INTERFACE
NO DRAIN REQUIRED
EASY ACCESS TO COMPONENTS
MIRROR & HARDWIRED VERSION



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



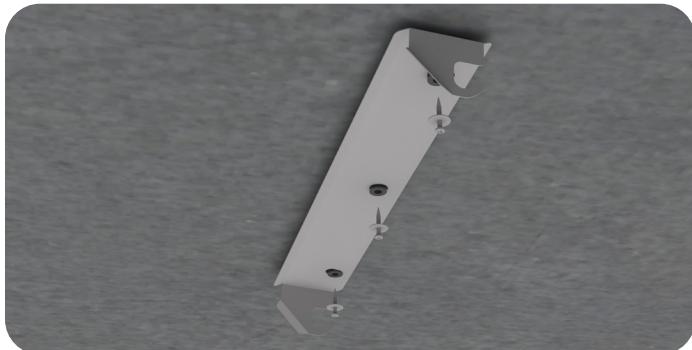
Optional MERV 6, MERV 8, and MERV 13 filters are available for superior particle and pollutant capture

Easy access to main components for installation and maintenance

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

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

Easy and fast installation thanks to the exclusive bracket specially developed to simplify the installation process.



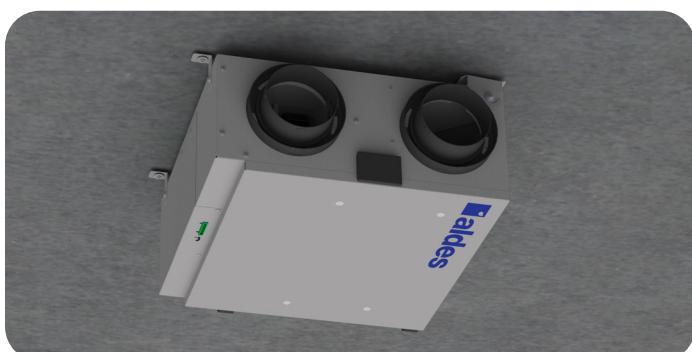
Easy-to-install unit

- 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-HR	EK80-HFX	EK80-HRX
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
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or find us on



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