



Light Commercial

Heat & Energy Recovery Ventilators

Why choose the Light Commercial product line?

Quiet, efficient, and easy to install, Light Commercial units are designed for a wide range of applications, including offices, restaurants, schools, and more. In addition to reducing energy costs and environmental impact, they enhance thermal comfort and deliver superior indoor air quality for occupants.

HIGH EFFICIENCY

Up to 80% ASRE
High efficiency HRV and ERV cores
EC motors (optional)
Low energy consumption
AHRI certified

RELIABILITY AND VERSITALITY

Robust design
Built-in defrost
Standard Aluminum Filtration
MERV 8 & 13 Filters (optional)
Quiet operation

SIMPLE INSTALLATION

Quick Calibration with FLEXControl
Superior Insulation
Front and rear access panels

Up to 80% Adjusted Sensible Recovery Efficiency

ALDES high-efficiency cores, featuring cross-flow or counterflow designs, guarantee an optimal heat and/or humidity level and a high recovery efficiency

Speed Options

Continuous variable speed with 0-10V inputs, or configurable (low, medium and high)

Access doors

Available at the front and rear for easy access and mirrored installation. (Not available on H280/E280)

EC motors available

For high efficiency and low energy consumption

Versatile Electronics

The circuit board is conveniently accessible, and the terminal block can be removed for easy wiring to controllers. Optional BACnet™ interface available

FLEXControl

is an exclusive electronic calibration that allows independant adjustment of the supply and the exhaust blowers for an improved overall efficiency

Free Maintenance

Backward-inclined impellers and high-efficiency enclosed motors are not susceptible to dust loading and do not need cleaning or maintenance

Built-In Defrost

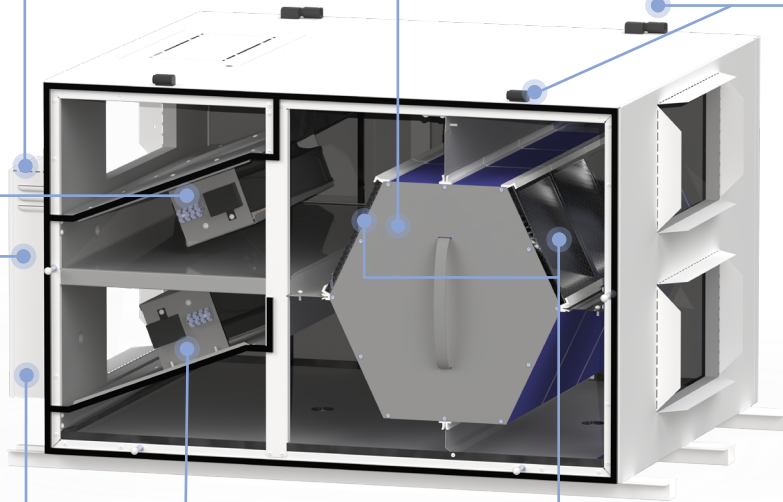
Fan exhaust or recirculation modes protect the core from freezing in cold climates recirculation can be selected initially, or added later using the retrofit kit

Standard Filters

providing high-quality filtration

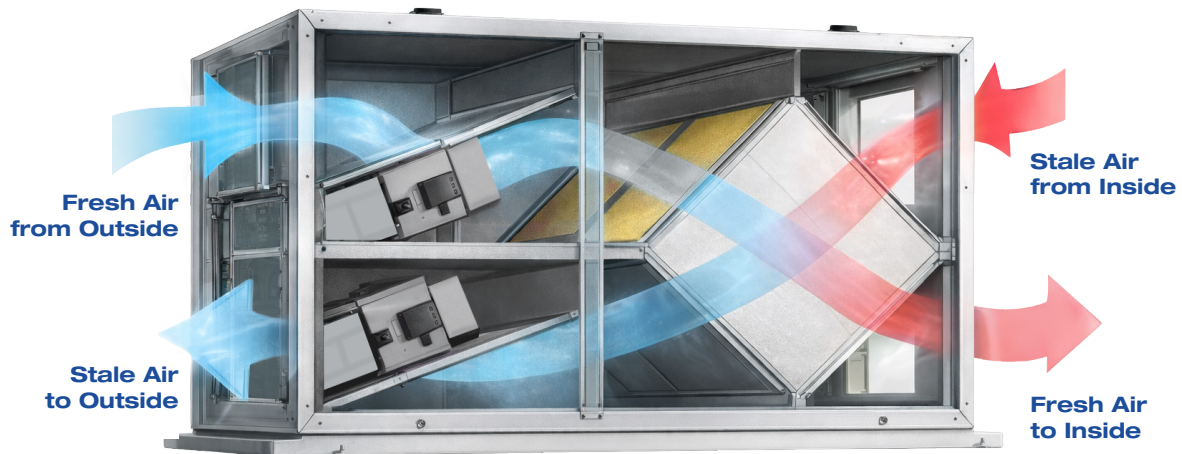
Up to MERV 13 Filters

available as an option for enhanced capture of particles and pollutants



UNIT OPERATION

In the heating season, Heat Recovery Ventilators (HRV) and Energy Recovery Ventilators (ERV) draw in fresh air from outside while stale, humid air is exhausted. As the fresh and stale airstreams pass through the unit's core, the fresh air is tempered with heat recovered from the exhaust air. In the cooling season, fresh outdoor air is cooled by the air-conditioned exhaust air. An ERV will also transfer moisture to improve comfort in buildings.



PRODUCT SELECTION

A perfect fit for every project. With a wide range of CFM available, we offer the ideal solution to meet all your requirements, no matter the project.



WALL CONTROLS

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



TECHNICAL SPECIFICATIONS

	Nominal Airflow Rate (CFM)	Recovery Type	ASRE at nominal CFM	Unit Dimensions (H x W x P)	Weight (lb.)	Motor Type	Standard Filters	Optional Filters (sold separately)	Warranty (unit/core)
H280-SRG	284	HRV	46%	21-3/4" x 31" x 15-15/16"	62	PSC	Aluminum	Charcoal, MERV 8 and MERV 13	5 years / 5 years
E280-SRG	269	ERV	68%		62	PSC	Aluminum		
E280-SRX	269	ERV	68%		62	EC	MERV 8		
H400-Fi-N	430	HRV	68%		103	PSC			
HK400-Fi-EC-N	395	HRV	82%	21-3/16" x 30-1/2" x 23"	106	EC	Aluminum	MERV 8 and MERV 13	2 years / 5 years
E400L-Fi-N	395	ERV	52%		103	PSC			
EK400L-Fi-EC-N	425	ERV	73%		115	EC			
H650-Fi-N	800	HRV	47%		147	PSC			
H650-Fi-P-N	800	HRV	47%		147	PSC			
H650A-Fi-N	800	HRV	54%	36-1/4" x 32-1/8" x 23-7/8"	147	PSC	Aluminum	MERV 8 and MERV 13	2 years / 5 years
H650A-Fi-EC-N	695	HRV	54%		147	EC			
HK650-Fi-EC-N	580	HRV	81%		159	EC			
E650L-Fi-N	700	ERV	52%		147	PSC			
EK650L-Fi-EC-N	600	ERV	62%		159	EC			
H1100-Fi-N	1350	HRV	41%		204	PSC			
H1100-Fi-P-N	1350	HRV	41%		204	PSC			
H1100A-Fi-N	1350	HRV	52%	36-1/4" x 47-1/4" x 23-7/8"	204	PSC	Aluminum	MERV 8 and MERV 13	2 years / 5 years
H1100-A-Fi-EC-N	1250	HRV	52%		204	EC			
HK1100-Fi-EC-N	1000	HRV	81%		219	EC			
E1100L-Fi-N	1180	ERV	47%		204	PSC			
EK1100L-Fi-EC-N	980	ERV	71%		239	EC			
H1800-Fi-N	1660	HRV	48%		245	PSC			
H1800-Fi-P-N	1660	HRV	48%		245	PSC			
H1800A-Fi-N	1690	HRV	55%	29-5/8" x 45-5/8" x 48-7/8"	245	PSC	Aluminum	MERV 8 and MERV 13	2 years / 5 years
H1800A-Fi-EC-N	2170	HRV	55%		245	EC			
E1800L-Fi-N	1460	ERV	57%		245	PSC			
EK1800L-Fi-EC-N	1880	ERV	63%		287	EC			

For more information, contact your Aldes sales advisor or visit aldes-na.com



aldes

Aldes North America
 100, Carter Street, Saint-Leonard d'Aston
 (Quebec) CANADA J0C 1M0
 USA 800.255.7749 | CAN 800.262.0916



Aldes reserves the right to make any modifications to its products in line with technological advancements. Images are for illustrative purposes only. Photo credits: Adobe Stock / Aldes Group.

©2026 Aldes North America - All rights reserved. Any reproduction or distribution of this document, in whole or in part, in any form or by any means, is prohibited without the prior written consent of Aldes North America. The information contained in this document is subject to change without notice.

March 2026