

CASING

Steel casing is covered with high quality multilayer aluminium and zinc alloy to prevent corrosion. The casing is equipped with a switch to turn the ventilator off when the service panel is opened. Service access from both left and right side. For outdoor installation the roof is necessary (optional).

ENERGY RECOVERY CORE

Unique enthalpy heat exchanger provides high-efficient heat & humidity recovery. No drain pan required.

FANS

The unit is equipped with supply and exhaust centrifugal fans with backward curved blades and built-in thermal overheating protection with automatic restart. The electric motors and impellers are dynamically balanced.

DEFROST SYSTEM

Fan stop defrost system is activated when the outdoor temperature falls below 23° F (-5° C).

FILTER

Washable MERV 6 air filters in exhaust and supply air streams. Filters MERV 8, MERV 13 optional.

ERV 5

Additional Air Pressure Drop with optional filters		
Filter type	Airflow CFM	
	100	200
MERV 8	0.03	0.06
MERV 13	0.2	0.4

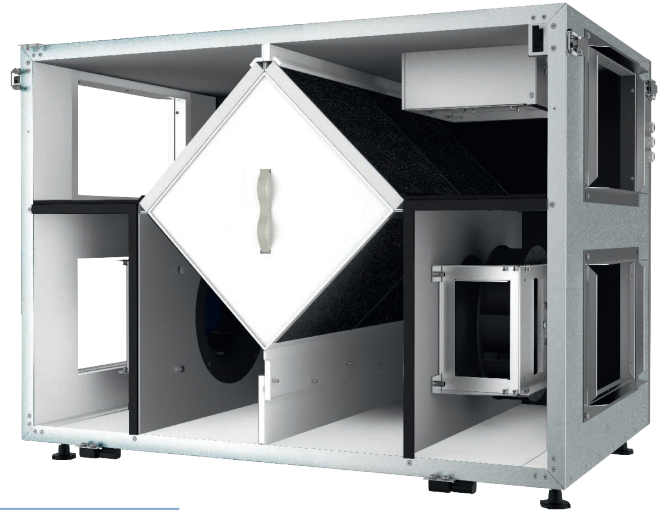
ERV 8

Additional Air Pressure Drop with optional filters		
Filter type	Airflow CFM	
	150	300
MERV 8	0.04	0.08
MERV 13	0.25	0.5

CONTROL

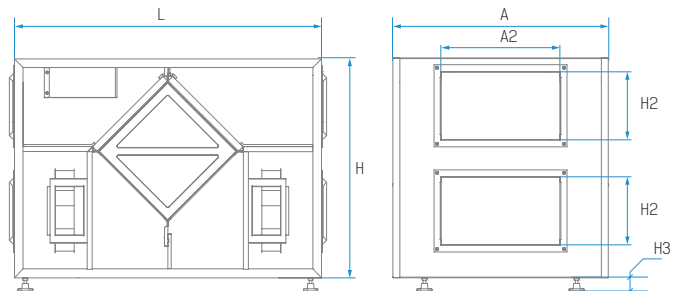
The unit incorporates an integrated automation and control system with following functions:

- Operation mode switch.
- Airflow balancing by supply and exhaust fan independent speed adjustment.
- Automatic recovery core frost protection.
- External control device connection.



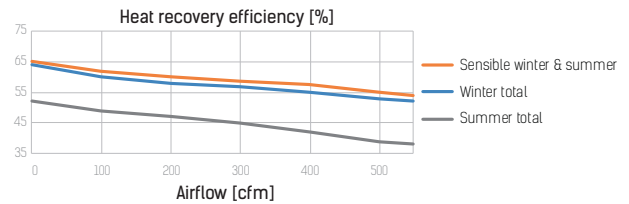
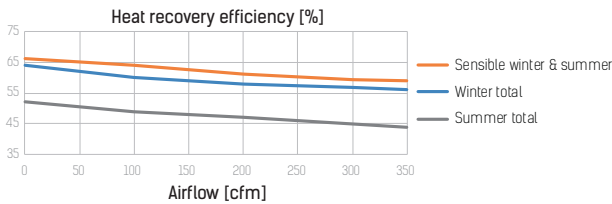
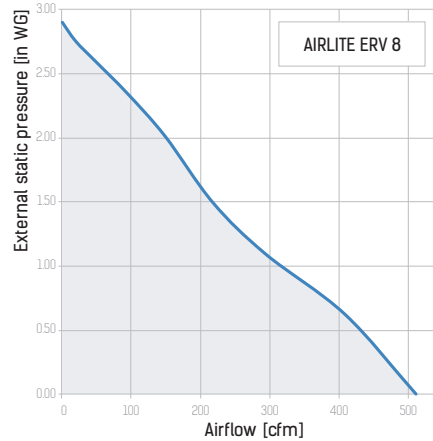
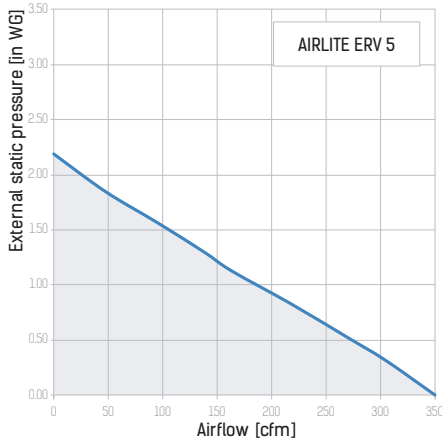
DIMENSIONS

Measurements [in]					
A	A2	H	H2	H3	L
25 1/2"	14"	26"	8"	4"	36 1/2"



TECHNICAL DATA

Parameters	AIRLITE ERV 5	AIRLITE ERV 8
Voltage [V / 60 Hz]	1 ~ 120	1 ~ 120
Unit power [W]	460	640
Unit current [A]	3.8	5.4
Minimum circuit Amps [MCA]	4.8	6.8
Maximum over current protection [MOP]	6.2	8.8
Sensible effectiveness @ max airflow [%]	66	54
Air flow @ ESP 0.4" WG [cfm]	300	450
Air flow max [cfm]	350	510
Transported air temperature [F]	-35 up to +140	-35 up to +140
Outer skin casing material	21 gauge galvanized steel	21 gauge galvanized steel
Insulation	1" mineral wool	1" mineral wool
Connected air duct size [in]	8x14	8x14



Acoustic Noise Power Chart (dBA) at unit ports		
Airflow	Fresh air to building port	Exhaust air from building port
300 CFM at 0.4 in. w.g.	69 dBA	69 dBA
120 CFM at 0.2 in. w.g.	51 dBA	51 dBA

Acoustic Noise Power Chart (dBA) at unit ports		
Airflow	Fresh air to building port	Exhaust air from building port
450 CFM at 0.4 in. w.g.	76 dBA	76 dBA
180 CFM at 0.2 in. w.g.	59 dBA	59 dBA

MODEL	QUANTITY	COMMENTS	PROJECT
			location:
			architect:
			engineer:
			contractor:
			submitted by: