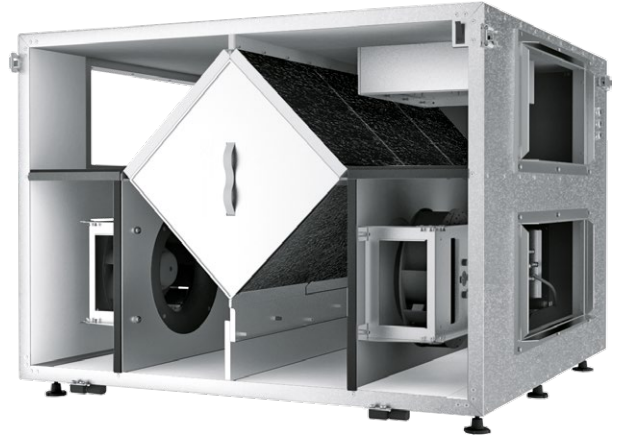


# BLAULITE ERV 13, ERV 17

## Energy recovery ventilators for commercial applications



### 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 13

Filter type	Additional Air Pressure Drop with optional filters	
	Air flow [CFM]	
	300	500
MERV 8	0.03	0.05
MERV 13	0.2	0.33

#### ERV 17

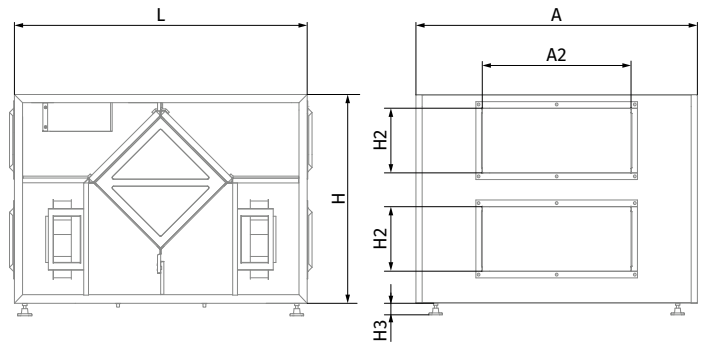
Filter type	Additional Air Pressure Drop with optional filters	
	Air flow [CFM]	
	500	800
MERV 8	0.04	0.06
MERV 13	0.25	0.40

### Control

- The unit incorporates an integrated automation and control system with following functions:
  - Operation mode switch.
  - Air flow balancing by supply and exhaust fan independent speed adjustment.
  - Automatic recovery core frost protection.
  - External control device connection.

### Overall dimensions [in]

Model	A	A2	H	H2	H3	L
Blaulite ERV 13 US	37 1/4	20	26	8	4	36 1/2
Blaulite ERV 17 US	37 1/4	20	26	8	4	36 1/2

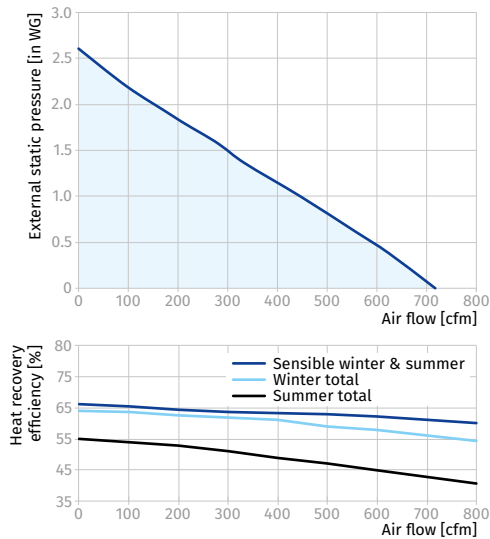


MODEL	QUANTITY	COMMENTS	PROJECT
			location:
			architect:
			engineer:
			contractor:
			submitted by:

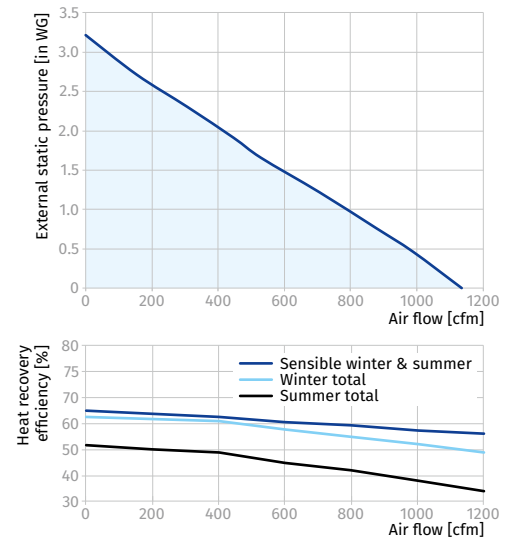
**Technical data**

Parameters	Blaulite ERV 13	Blaulite ERV 17
Voltage [V / 60 Hz]	1 ~ 120	1 ~ 120
Unit power [W]	880	1330
Unit current [A]	7.4	11.1
Minimum circuit Amps [MCA]	9.3	13.9
Maximum over current protection [MOP]	9.8	14.6
Sensible effectiveness @ max air flow [%]	63	56
Air flow @ ESP 0.4" WG [CFM]	610	1000
Air flow max [CFM]	700	1135
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]	8x20	8x20

**BLAULITE ERV 13**



**BLAULITE ERV 17**



Acoustic Noise Power Chart (dBA) at unit ports		
Air flow	Fresh air to building port	Exhaust air from building port
610 CFM at 0.4 in. w.g.	74 dBA	74 dBA
240 CFM at 0.2 in. w.g.	61 dBA	61 dBA

Acoustic Noise Power Chart (dBA) at unit ports		
Air flow	Fresh air to building port	Exhaust air from building port
1000 CFM at 0.4 in. w.g.	78 dBA	78 dBA
400 CFM at 0.2 in. w.g.	61 dBA	61 dBA