



C22.2 no113
UL 1812

LIGHT COMMERCIAL SERIES

ERV

E1800L-Fi-N

Energy Recovery Ventilator
1450 CFM at 0.2 in.w.g (ESP)

Made in
Canada

5 YEAR
WARRANTY

2 YEAR
WARRANTY

CORE

OTHER PARTS



Plate Exchanger

Material: Polymeric Membrane (sensible & latent heat transfer)

Casing

Material: Painted galvanized steel 22GA

Insulation: 1"(25 mm) Fiberglass with FSK

Drain Connection: 1/2" (13 mm)

Duct Connections: 24" x 8" (610mm x 203mm)

Width: 45-5/8 (1158mm)

Height: 29-5/8 (753mm)

Depth: 48-7/8 (1242mm)

Unit Weight: 230 lb (105 kg); 243 lb (110 kg) with
recirculation



Mounting

Supplied with base rails. Support rods by others.



Electrical Requirements

120V/1p/60 Hz: FLA 13.8A, MCA 14.7A, MOP 20A

Terminal block for direct wiring to the building's electrical system.

Fused disconnect not included.



Frost Control

Cycles controlled by a temperature sensor when outdoor temperatures fall below 14°F (-10°C).

- Standard: Exhaust Defrost
- Optional: Recirculation Defrost (P/N 683960)



Blowers

Backward-inclined motorized impeller, direct-drive PSC, variable speed, external rotor



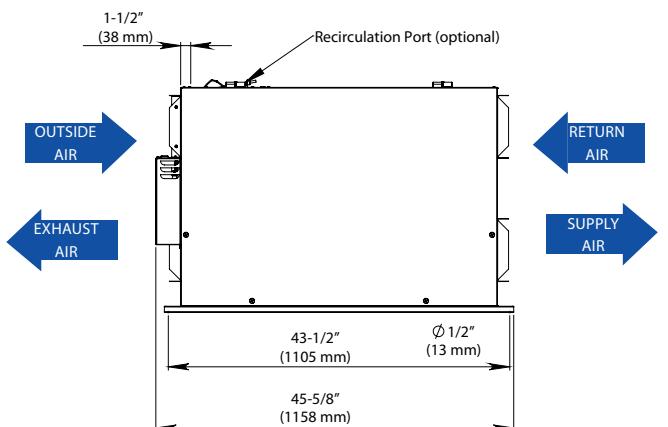
Filters

Additional Air Pressure Drop with Optional Filters			Filter type	P/N	#Filters in pack
Filter Type	Airflow CFM (L/S)		Aluminum	612414	3
	1000 (472)	1400 (661)	MERV 8	612411	3
MERV 8	0.08	0.15	High Efficiency	612412	3
High Efficiency	0.35	0.48			

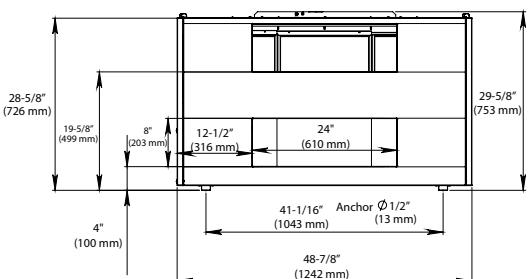
Note: This model requires a total of 6 filters. Make sure to get enough packs to meet the required amount.

Dimensions

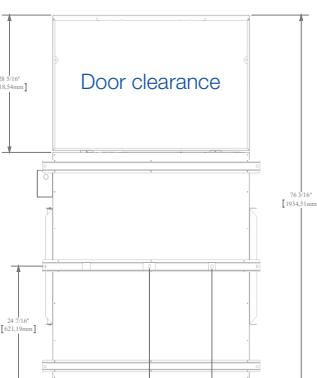
FRONT VIEW



SIDE VIEW



BOTTOM VIEW



Controls

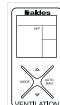
0-10 VDC inputs (for supply and exhaust) or multiple fixed speed options

Low-voltage dry contact (24 VAC, 20 VA) for:

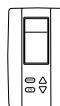
Occupancy Control (On/Off)
Interlock contacts
Optional Recirculation Mode

24 VAC, 10 VA output for supply and exhaust dampers (by others)

Compatible with :



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)



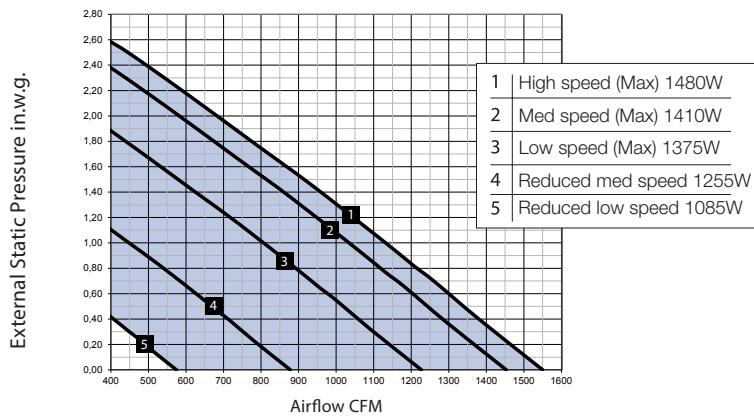
Mode Control (exchange or
recirculation) (P/N 611230)



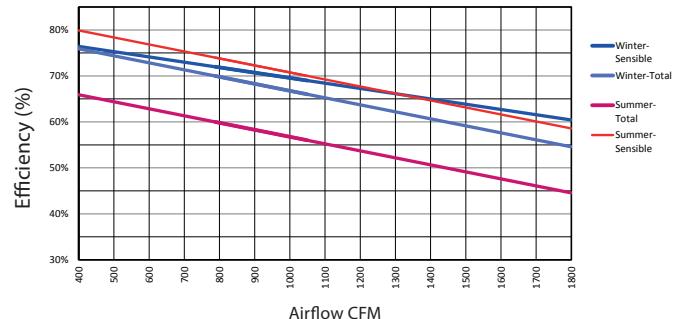
BACnet™ interface (P/N 611235)

Performance

E1800L-Fi-N Ventilation Performance



E1800L-Fi-N Core Efficiency



Project:	Architect:
Location:	Engineer:
Model #:	Contractor:
Quantity:	Comments:
Submitted By:	
Date:	

For more information, contact your Aldes sales advisor, visit aldes-na.com, call 1.800.255.7749, or find us on

