Submittal Sheet

Literature Item #: E400078
Rev Date: 2025-01-30

LCH-12E

Energy Recovery Ventilator

Item No. 463305

STANDARD FEATURES

- Energy recovery core
- Fans with backward curved blades
- Dual service doors & Reversible electrical box
- Push-pull configuration
- External electrical box
- Electrostatic filters
- Removable screw terminal for easy connection
- Full length drain pan
- Outdoor ducts on the same side

OPTIONS & CONTROLS

- MERV6 rated filters
- Compatible with all Greentek HRV/ERV controls
- CO2 sensor
- Shut off damper

AHRI CERTIFIED® www.ahridirectory.org Air-to-Air ERV AHRI Standard 1060 Energy Recovery COMPONENT is certified. Actual performance in packaged equipment may vary.

C SP® US

Job Name:		
Job Location:		
Job Reference Number:		
Unit Reference Number:		
Engineer:		
Distributor:		
Contractor:		
For Reference:	For Approval:	For Construction:
Submitted by:		Date:
Address:		
Tel:	Fax:	Email:
Notes:		

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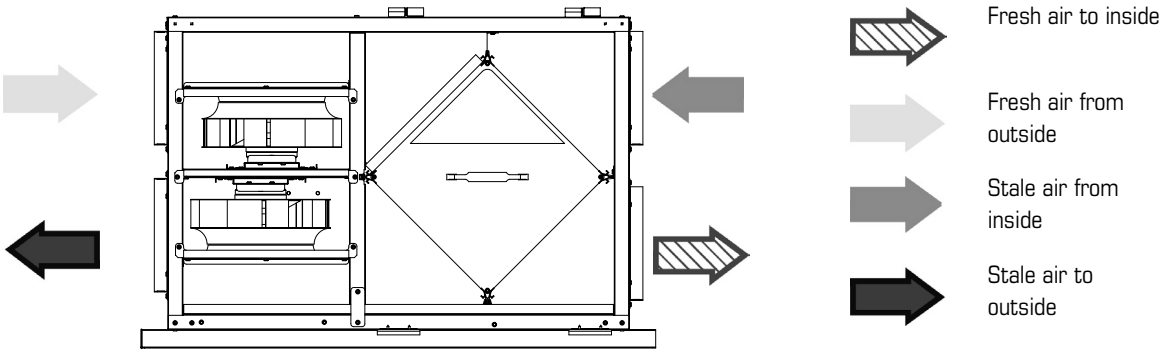
Greentek®

Descriptions

Cabinet:	22 gauge galvanized pre-painted steel corrosion resistant, insulated with 1 in. (25 mm) fiberglass with FSK facing for condensation control.
Blowers:	Four (4) maintenance-free Ebm-Papst™ backward inclined motorized impellers with permanently lubricated sealed ball bearings and (TOP) thermal overload protected.
Energy recovery core*:	Three (3) cores made from water vapor transport durable polymer membrane that is highly permeable to humidity. The ERV core is freeze tolerant and water washable. During winter, the core transfers heat and moisture from the outgoing air to the incoming fresh air and during summer the core transfers heat and moisture from the incoming air to the outgoing air to essentially reduce the latent load.
Filters:	The exhaust and fresh air streams are protected by MERV1 washable filters constructed to meet UL 900. Optional MERV6 filters are direct replacement to the MERV1. Use of MERV6 filters will add an additional system pressure of 0.64 in.wg (160 Pa) at 1100 cfm (519 l/s). Additional MERV Rated filters available upon request.
Controls:	External three (3) position (Low / Standby / High) rocker switch that will offer continuous ventilation. Compatible with all Greentek HRV/ERV controls.
Frost control:	A preset frost control sequence is initiated if the outdoor temperature falls below the set point of 23°F (-5°C). During the initial stage, the supply blower shuts down & the exhaust blower switches into high speed to eliminate frost build-up in the core. The unit then returns to normal operation for the final stage of the frost control sequence at which time the sequence is repeated if the outdoor air temperatures is still below the set point.
Serviceability:	Cores, filters and drain pan can be accessed easily from both sides of the ERV from hinged access panels. Cores conveniently slide out with only 15" (380 mm) clearance. Blowers can be accessed from both side of the ERV from fastened access panels. Blowers are easily removed by taking off the access panel and sliding the motor plates out of the ERV. A quick connect allows for fast inspection of blowers.
Mounting:	Unit may be suspended by using threaded rod, not supplied, or placed on a platform. Unit shall be adaptable for easy service of electrical components.
Warranty:	Greentek ERV's have a warranty that is limited to 3 years on all parts from the date of purchase, including parts replaced during this time period. If there is no proof of purchase available, the date associated with the serial number will be used for the beginning of the warranty period



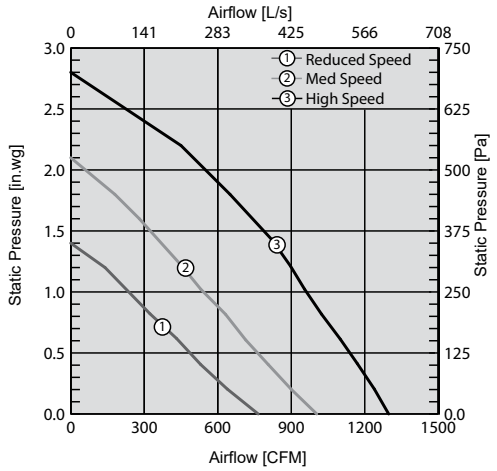
Factory Setting. Unit may be easily reversed in field.

*AHRI certifies the published performance ratings of the COMPONENT used in this product in accordance with AHRI 1060. AHRI Certified Reference Number: 202342544, model number EXR-290-380-250-CS-O. Note that only the COMPONENT is AHRI 1060 certified and not the product itself.

Specifications

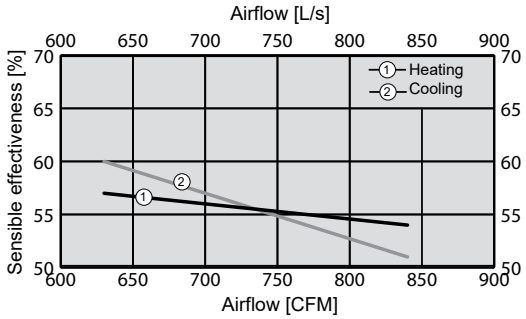
- Volts: 120V
- Phase: Single
- Amperage: 11.17 Amps Total
- Blowers (x4): 115V, 60Hz, 2.9 Amps
- Weight: 210 Lbs (95 Kg)
- Shipping Weight: 280 Lbs (127 Kg)
- Shipping Dim.: 38 x 53 x 27" (965 x 1346 x 686mm)

Ventilation Performance

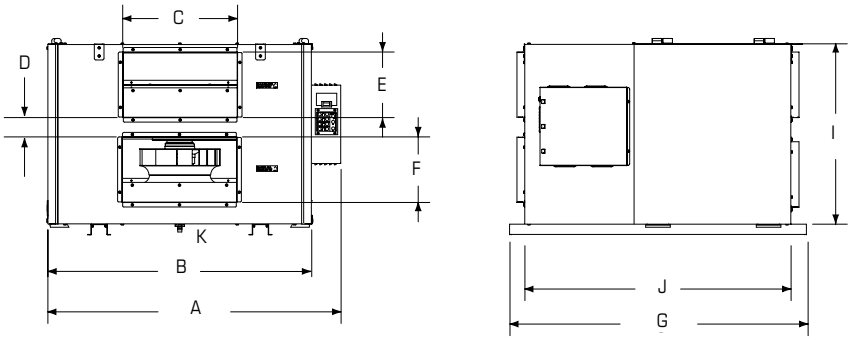


Energy Performance

	Supply temperature		Net airflow		Net Effectiveness		
					Sensible	Latent	Total
	°F	°C	cfm	L/s	%	%	%
Heating	35	1.7	840	396	54	35	50
	35	1.7	630	297	57	40	54
Cooling	95	35	840	396	51	32	49
	95	35	630	297	60	37	53



Dimensions



A		B		C		D		E		F		G		I		J		K	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
51 2/5	1306	47 1/5	1199	20	508	2 2/5	61	8	203	8	203	36 1/3	923	22	559	32 1/2	826	1/2	13

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