

LCH-12H

Heat Recovery Ventilator

Item No. 463302



STANDARD FEATURES

- Premium aluminum cell
- 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

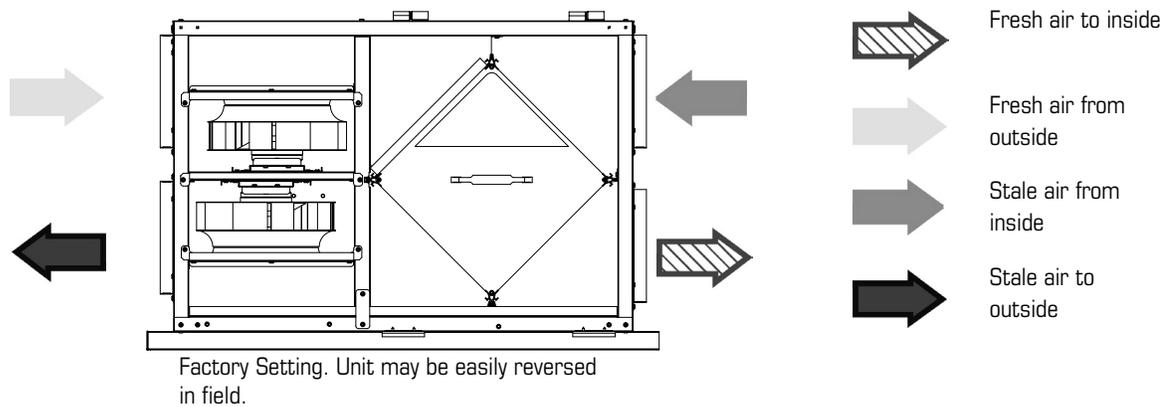
- MERV6 rated filters
- Compatible with all Greentek HRV controls
- CO2 sensor
- Shut off damper



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:		

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 maintenance-free Ebm-Papst™ backward inclined motorized impellers with permanently lubricated sealed ball bearings and (TOP) thermal overload protected.
Heat recovery core*:	Three heat recovery cores fixed plate cross-flow heat exchanger using 1100 alloy aluminum and capable of transferring sensible heat between air streams. The heat recovery cores are engineered with a turbulence inducing geometry in order to maximize heat transfer while allowing an effective evacuation of condensate. The plates are hemmed to avoid cross-contamination of airstreams.
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 0.76 in.wg (190 Pa) at 1200 cfm (566 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 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 HRV from hinged access panels. Cores conveniently slide out with only 15" (380 mm) clearance. Blowers can be accessed from both side of the HRV from fastened access panels. Blowers are easily removed by taking off the access panel and sliding the motor plates out of the HRV. 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:	The heat recovery ventilator is warranted to be free from defect in material, workmanship and all parts for a period of 3 years from the purchase date. The heat recovery core is warranted to be free from defects in material and workmanship for a lifetime period under circumstances of normal use.

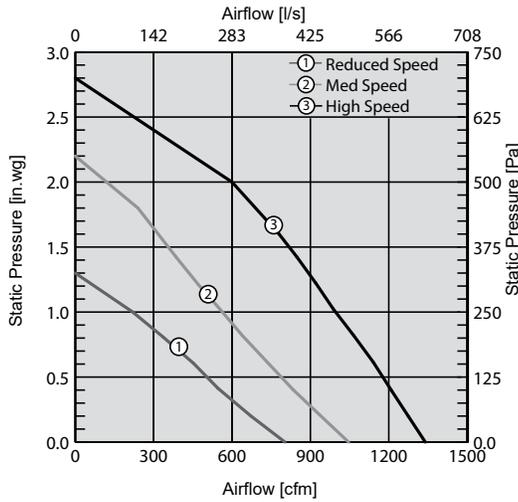


Specifications

- Volts: 120V
- Phase: Single
- Amperage: 11.17 Amps Total
- Blowers (x4): 115V, 60Hz, 2.92 Amps

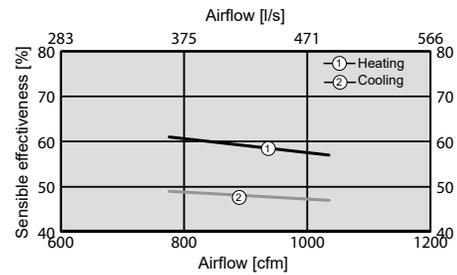
- Weight: 240 Lbs (109 Kg)
- Shipping Weight: 310 Lbs (141 Kg)
- Shipping Dim.: 38 x 53 x 27" (965 x 1346 x 686mm)

Ventilation Performance

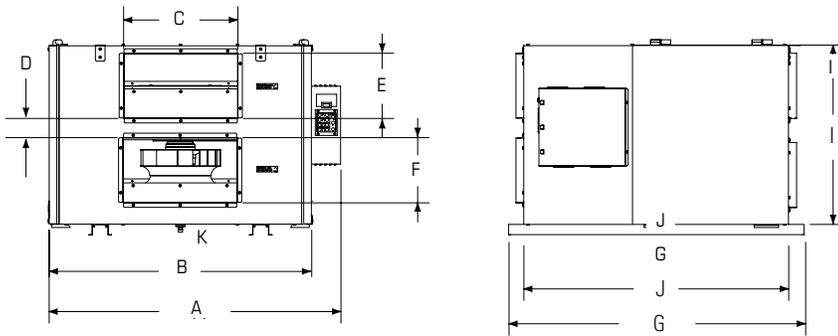


Energy Performance

	Supply temperature		Net airflow		Net Effectiveness	
	°F	°C	cfm	L/s	Sensible	Total
					%	%
Heating	35	1.7	1035	488	57	37
	35	1.7	776	366	61	40
Cooling	95	35	1035	488	47	18
	95	35	776	366	49	19



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	m	in	mm	in	mm
51 2/5	1306	47 1/5	1199	20	508	2 2/5	62	8	203	8	203	36 1/3	923	22	559	32 1/2	826	1 1/2	13