

# ENGINEERING DATA

## LCH-4H

Heat Recovery Ventilator  
200 CFM (94 L/s) to 450 CFM (212 L/s)

Item No. 463300



### FEATURES

- Push-pull configuration
- 100% Variable speed
- 4 Operating modes\* (Intermittent; Continuous; High; \*Optional Recirculation)
- Advanced electronic balancing
- Dual service doors & reversible electrical box

### APPLICABLE REQUIREMENTS

- Technical data was obtained from published results of test relating to AHRI 1060 Standards
- CSA Standard CSA 22.2 N<sup>o</sup>.113-10 - Fans and ventilators
- UL Standard 1812 2<sup>nd</sup> Ed. Ducted heat/energy recovery ventilators (HRV/ERV)

### OPTIONS

- 463306 GTDMK14 Recirculation damper module kit
- 463308 GTPDK14 O/A motorized prevention damper kit



GTDMK14



GTPDK14

### CABINET

- 20 gauge galvanized pre-painted steel corrosion resistant

### ELECTRONIC COMPONENTS

- Electrical Input Voltage: 120 VAC/60Hz / 1-Phase
- Electrical Input Current: 3.92 Amps Max
- Integrated auxiliary furnace interlock relay
- Intergrated 24V connection (18VA)
- RoHs compliant

### MOTORS

- Two (2) factory balanced fans with backward curved blades.
- Motors come with permanently lubricated sealed ball bearings, maintenance free
- IP protection class 44 according to DIN 40 050
- 115V, 60Hz, 1.96 Amps
- Maximum RPM 2750 / Horsepower; 0.42 HP

### ALUMINUM HRV CORE

- Dimensions (2) 11.4" x 11.4" x 11.4" depth (290 mm x 290 mm x 290 mm)
- Corrugated cross-flow
- Transfers sensible heat
- Endure harsh temperatures; effective in cold climates
- Water washable

### ELECTRONIC BALANCING SYSTEM (DUOTROL)

- The system is balanced by adjusting each motor independently
- No balancing dampers required
- Connection terminals for optional wall controls
- Quiet and energy efficient

### DEFROST

- Advanced supply fan shut down defrost sequence
- Defrost type: Evacuation  
Activated automatically at -5°C (23°F)
- Optional defrost type: Recirculation  
(Requires GTDMK14 Damper module kit.)

### DUCT CONNECTIONS

- (4) 8" x 14" (203 mm x 355 mm)

### MOUNTING

- Saddle installation
- Suspended installation with threaded rod (not included)

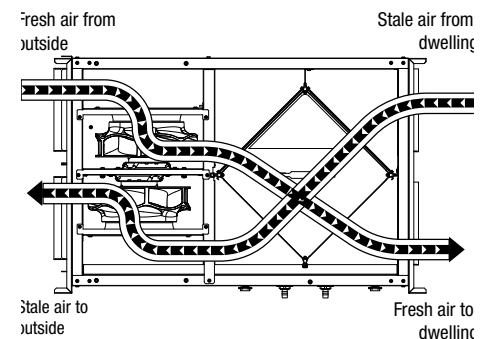
### FILTERS (MERV3)

- The FRESH/EXHAUST air streams are protected by MERV3 washable filters constructed to meet UL 900.

### WARRANTY

- 2 year limited warranty on motors
- 2 year limited warranty on parts
- 15 year limited warranty on Heat Recovery Core

### AIRFLOW



Greentek  
50 Kanalfakt Way,  
Bouctouche, NB Canada E4S 3M5

Toll free: 1 888 724-5211  
Fax: 1 (866) 426-7430

Visit us at: [www.greentek.ca](http://www.greentek.ca)

444886 / May 2022



Greentek reserves the right to modify a product, without prior notice, whether in design, colour or specifications, in order to offer at all times a quality product that is highly competitive. Please consult your national and local building codes to find out whether the installation of electrical products requires the services of a certified technician or electrician. Greentek™ is a registered Trademark used under license by Systemair Inc. All rights reserved.

# ENGINEERING DATA LCH-4H

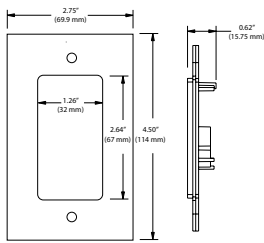
## SPECIFICATIONS LCH-4H

<b>Dimensions</b>	29.4" x 35.9" x 22.7" (747 mm x 911 mm x 577 mm)
<b>Duct Connections</b>	Four (4) 8" x 14" (203mm x 355mm)
<b>Airflow Rates</b>	200 CFM (94 L/s) to 450 CFM (212 L/s)
<b>Motor</b>	Two (2) factory balanced fans with backward curved blades
<b>Voltage</b>	120 VAC @ 60 Hz / 1 Phase
<b>Amperage</b>	3.92A / 470 Watts
<b>Type of Heat Exchanger</b>	(2) Aluminum Cross-flow
<b>Exchange Surface</b>	>260 in <sup>2</sup> (0.17m <sup>2</sup> )
<b>Standard Defrost Type</b>	Evacuation
<b>Optional Defrost Type</b>	Recirculation (with 463306 GTDMK14 Damper)
<b>Filters</b>	Four (4) MERV3 washable filters
<b>Drain Connection</b>	Two (2) 1/2" (12.7 mm)
<b>Actual Weight</b>	146 lbs (66 Kg)
<b>Shipping Weight</b>	181 lbs (82 Kg)
<b>Shipping Dimensions</b>	38" x 38" x 27" (965mm x 965mm x 686mm)
<b>Certification</b>	cCSAUS, CSA 22.2 N <sup>o</sup> .113 Complies with UL 1812

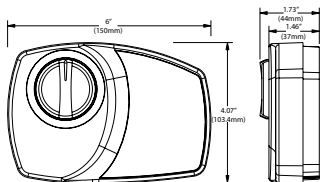
## OPTIONAL WALL CONTROLS

<b>Vectra Series</b>	EHC 1.5 and EHC 1.0
<b>RD Series</b>	RD-1, RD-2, RD-3P, RD-4P, RD-3D*, RD-4D*
* Recirculation	
<b>Timers</b>	T3 (20, 40, 60 minutes)

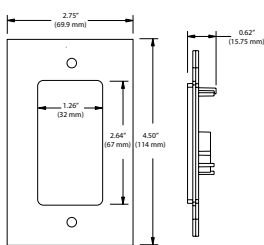
### Vectra Series



### RD Series

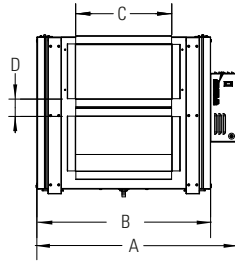


### T3 Timer

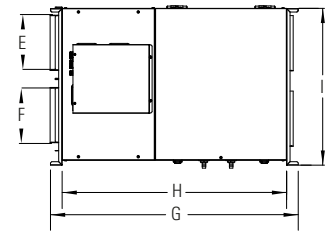


## DIMENSIONS DATA

Side View



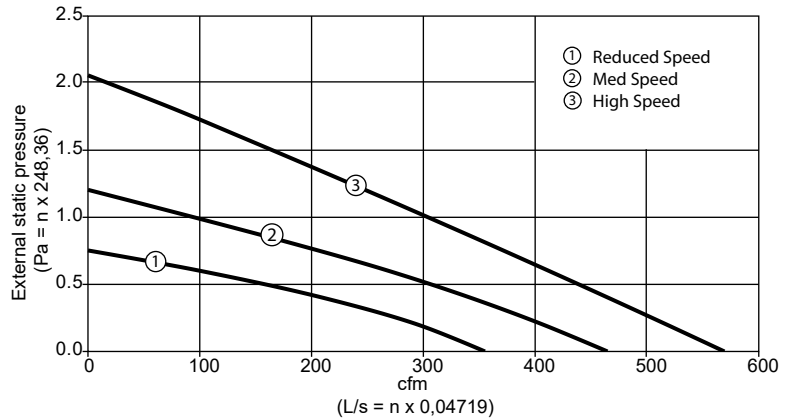
Front View



A	B	C	D	E	F	G	H	I
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
29.4 (747)	25.2 (639)	14 (355)	2.5 (63)	8 (203)	8 (203)	35.9 (911)	32.5 (826)	22.7 (577)

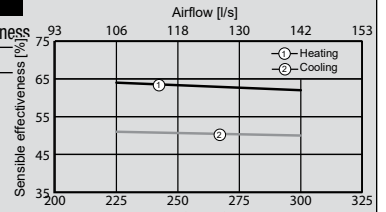
## VENTILATION PERFORMANCE

in. wg. (Pa)	0.2 (50)	0.4 (100)	0.6 (150)	0.8 (200)	1.0 (250)	1.2 (300)	1.4 (350)	1.6 (400)
	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)
Supply High	518 (244)	465 (219)	412 (194)	358 (169)	303 (143)	248 (117)	192 (91)	135 (68)
Supply Med	406 (192)	339 (160)	265 (125)	184 (87)	-	-	-	-
Supply Low	295 (139)	210 (99)	100 (47)	-	-	-	-	-



## ENERGY PERFORMANCE CORE\*

	Net Air Flow		Net Effectiveness	
	L/s	CFM	Sensible	Total
<b>HEATING</b>	142	300	62	41
	106	225	64	42
<b>COOLING</b>	142	300	50	19
	106	225	51	19



\*Actual performance may vary pending conditions

Quoted by:	Date:
Project:	Remarks:
Quantity:	
Model:	
Site:	
Architect:	
Engineer:	
Contractor:	