

## ENGINEERING DATA

### THERMALLY CONDUCTIVE, PATENTED ALUMINUM CORE

The counter-flow heat recovery core transfers heat between the two airstreams. It is easily removed for cleaning or service.

### MOTORS AND BLOWERS

High efficiency electronic commutate ECM motor, for maximum energy savings. Each airstream has one centrifugal blower, with multiple fanspeed operations driven by one double shaft motor.

### FILTERS

Washable air filters in exhaust and supply airstreams.

### MOUNTING THE HRV

Threaded inserts at corners of the cabinet designed to accept the "S" hooks and hanging straps supplied with the unit.

### DEFROST

Recirculating damper defrost system.

### CASE

20 gauge prepainted galvanized steel for superior corrosion resistance, insulated to prevent exterior condensation. Drain connections: Two 1/2 in (12 mm) OD. Balancing ports are located on unit.

### ELECTRONICS

Control included with the unit can be wall mounted in a central location of the home. 3 wire 20 gauge (min.) 100 ft length (max.).

### CONTROLS

#### 99-DXPL01 Lifestyle MAX Digital Control

- 5 speed operation on each mode
- 4 user selectable operational modes: Continuous Ventilation, 20 ON/40 OFF, 20 ON/40 Recirculation, Continuous Recirculation
- Humidity control through dehumidistat
- Adjustable dehumidistat function built into main wall control
- Built in relay for interfacing to furnace

### OPTIONAL CONTROLS

**99-LS01 Lifestyle MAX Programmable Control** - Contains all the features of the Lifestyle MAX Digital Control with 24/7 programmable ventilation, 3 wire connection.

### OPTIONAL TIMERS

**99-DET01 Lifestyle 20/40/60 Minute Timer** - Initiates high speed ventilation for 20, 40, or 60 minutes, 3 wire connection.

**99-20M01 Lifestyle 20 Minute Timer** - Initiates high speed ventilation for 20 minutes, 3 wire connection.

**99-101 Mechanical Timer** - Initiates high speed ventilation for up to 60 minutes, 2 wire connection.

### OPTIONAL ACCESSORIES

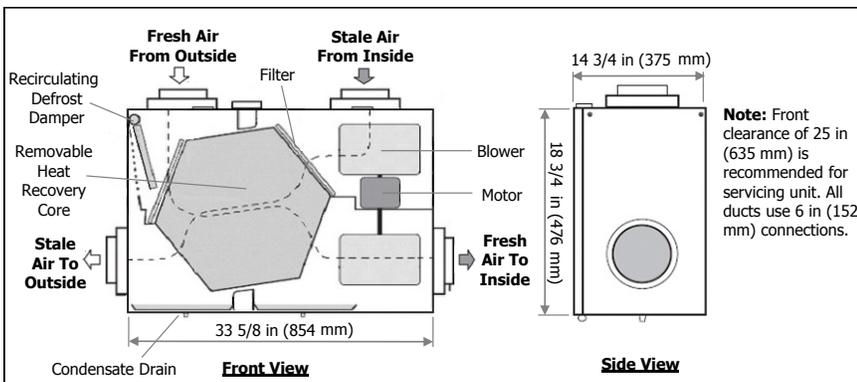
**99-DH01 Lifestyle Dehumidistat** - Initiates high speed ventilation when the indoor humidity level is above the set point. 3 wire connection.

**99-163 Duct Heater w/Electronic SCR Thermostat** - 1 kW, 6 in (152 mm)

**99-186 Weatherhoods** - Two 6 in (152 mm)

**WEIGHT** 71 lbs (32.5 kg) **SHIPPING WEIGHT** 73 lbs (33.2 kg)

## DIMENSIONS 100ECM

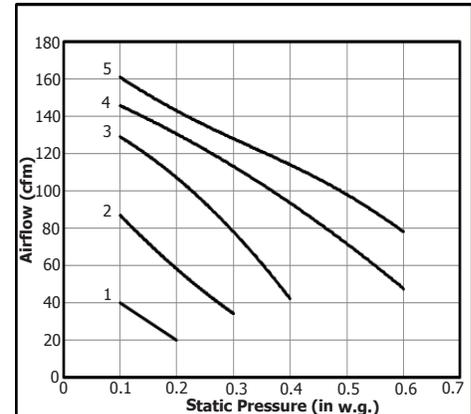


Performance (HVI certified) Net supply air flow in cfm (L/s) against external static pressure		
External Static Pressure	Airflow	
@ 0.1 in (25 Pa)	161 cfm (76 L/s)	
@ 0.2 in (50 Pa)	143 cfm (68 L/s)	
@ 0.3 in (75 Pa)	128 cfm (61 L/s)	
@ 0.4 in (100 Pa)	114 cfm (54 L/s)	
@ 0.5 in (125 Pa)	98 cfm (46 L/s)	
@ 0.6 in (150 Pa)	78 cfm (37 L/s)	
Max. Temperature Recovery 79%		
Sensible Effectiveness		
@ 64 cfm (30 L/s)	32°F (0°C)	78%
Sensible E efficiency		
@ 64 cfm (30 L/s)	32°F (0°C)	71%
Sensible Efficiency		
@ 68 cfm (32 L/s)	-13°F (-25°C)	64%
VAC @ 60Hz	120	
Watts / Low speed	40	
Watts / High speed	115	
Amp rating	1.4	

**Sensible Efficiency:** Thermal

**Effectiveness:** Based on temperature differential between the 2 airstreams

**Efficiency:** Takes into account all power inputs



### WARRANTY

Units carry a lifetime warranty on the HRV core and a 5 year replacement parts warranty.

NOTE: All specifications are subject to change without notice.

All units conform to CSA and UL standards



Date: \_\_\_\_\_  
 Tag: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Engineer: \_\_\_\_\_

Contractor: \_\_\_\_\_  
 Supplier: \_\_\_\_\_  
 Quote #: \_\_\_\_\_  
 Submitted By: \_\_\_\_\_