

## ENGINEERING DATA

### THERMALLY CONDUCTIVE, PATENTED ALUMINUM CORE

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

### MOTORS AND BLOWERS

Each airstream has an independent motorized impeller with multiple fan speed operations.

### 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.

### INSTALLER SELECTABLE HIGH SPEED SETTINGS

Adjustable DIP switches are located on the circuit board, Hi3 is the factory setting. Refer to the Installation manual for the adjustment instructions.

### ELECTRONICS

The optional controls can be wall mounted in a central location of the home. 3 wire 20 gauge (min.) 100 ft length (max.).

### CONTROL OPTIONS

#### 99-GDXPL02 Airflow Digital Control

- 5 speed operation on each mode
- Humidity control through adjustable Dehumidistat
- 5 user selectable operational modes: Continuous Ventilation, Continuous Recirculation, 20 ON/40 OFF, 10 ON/50 OFF, 20 ON/40 Recirculation
- 20/40/60 min. High speed override button
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection

#### 99-GBC02 Airflow Ventilation Control

- 2 speed fan setting (Low/High)
- Humidity control through adjustable Dehumidistat
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection

#### 99-GBC03 Airflow Ventilation Control

- Continuous Low fan speed
- Humidity control through adjustable Dehumidistat
- 3 modes of operation: Ventilation, Recirculation, 20/40
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection

#### 99-GBC04 Airflow Ventilation Control

- 2 speed fan setting (Low/High)
- 2 modes of operation: Ventilation, 20/40
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection

#### 99-GDH01 Airflow Dehumidistat

- Humidity control through adjustable Dehumidistat
- 3 wire connection

### TIMER OPTIONS

**99-DET01 Airflow 20/40/60 Minute Timer** - Initiates High speed Ventilation for 20, 40 or 60 minutes. 3 wire connection.

**99-DET02 Airflow WIRELESS 20/40/60 Minute Timer** - Initiates High speed Ventilation for 20, 40 or 60 minutes. Wirelessly connects to main control for ease of installation. 40' approximate range.

**99-RX02 Airflow WIRELESS Repeater** - Used to extend range of 99-DET02 Wireless Timers. Plugs into 120V power outlet. Wirelessly connects to main control and 99-DET02. Install at halfway point between timer and main wall control if timer is out of range.

### ACCESSORY OPTIONS

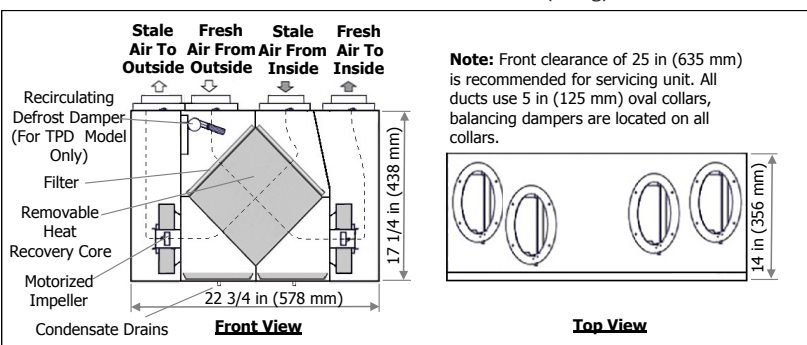
**99-163 Duct Heater w/Electronic SCR Thermostat** - 1 kW, 6 in (152 mm)

**99-185 Weatherhoods** - Two 5 in (127 mm)

**99-190 Dual Hood** - One 6 in (152 mm) opening for supply and exhaust.

## DIMENSIONS AIR130-ES

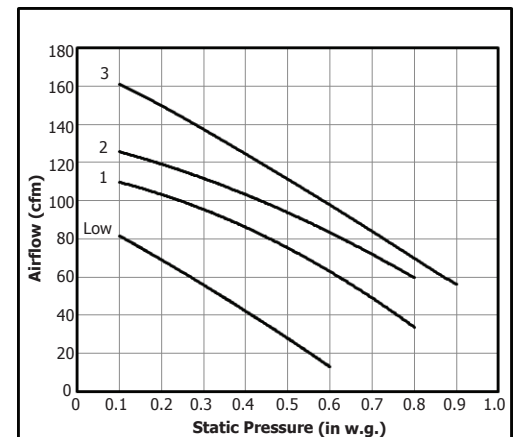
**WEIGHT** 51 lbs (23 kg) **SHIPPING WEIGHT** 54 lbs (25 kg)



Performance (HVI certified) Net supply airflow 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)	150 cfm (71 L/s)	
@ 0.3 in (75 Pa)	137 cfm (65 L/s)	
@ 0.4 in (100 Pa)	125 cfm (59 L/s)	
@ 0.5 in (125 Pa)	111 cfm (52 L/s)	
@ 0.6 in (150 Pa)	98 cfm (46 L/s)	
@ 0.7 in (175 Pa)	84 cfm (40 L/s)	
@ 0.8 in (200 Pa)	70 cfm (33 L/s)	
@ 0.9 in (225 Pa)	56 cfm (27 L/s)	
Max. Temperature Recovery		
Sensible Effectiveness @ 65 cfm (31 L/s)		77%
Sensible Efficiency @ 65 cfm (31 L/s)		32°F (0°C) 74%
Sensible Efficiency @ 70 cfm (33 L/s)		32°F (0°C) 65%
Sensible Efficiency @ 70 cfm (33 L/s)		-13°F (-25°C) 65%
VAC @ 60Hz		120
Watts / Low speed		48
Watts / High speed		110
Amp rating		1.25

**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, a 7 year warranty on the motors, and a 5 year replacement parts warranty.

All units conform to CSA and UL standards

NOTE: All specifications are subject to change without notice.



Date: \_\_\_\_\_

Tag: \_\_\_\_\_ Qty: \_\_\_\_\_

Project: \_\_\_\_\_

Engineer: \_\_\_\_\_

Contractor: \_\_\_\_\_

Supplier: \_\_\_\_\_

Quote #: \_\_\_\_\_

Submitted By: \_\_\_\_\_