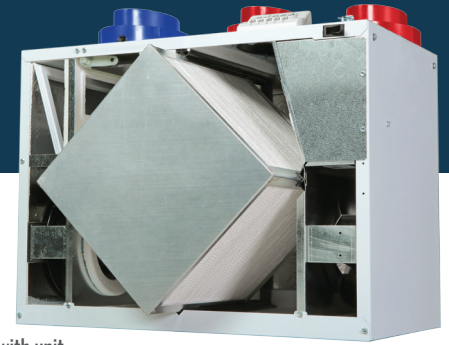


# 130 ERVD

## ENERGY RECOVERY VENTILATOR



### ENGINEERING DATA:

#### TOTAL RECOVERY CORE

Cross-flow energy recovery core transfers heat and water vapor between two air streams. Easily removed for cleaning or service.

#### MOTORS AND BLOWERS

Each air stream has an independent motorized impeller with multiple fan speed operation.

#### INTELLIGENT DEFROST DAMPER MOTOR – 130 ERVD ONLY

- Smart damper motor with integrated circuit board
- Energy efficient DC motor
- Power saving standby mode when not cycling
- Integrated ice breaker technology
- Temperature compensated torque for reliable operation in any application
- Auto-sensed memory storage of opened and closed positions
- Soft sealing for extended part life

#### FILTERS

Washable pre-filters in exhaust and supply air streams.

#### MOUNTING THE ERV

Adjustable hanging straps supplied with unit.

#### FROST PREVENTION

Temperature sensor activated, recirculating damper defrost. Drains required.

#### CASE

Twenty gauge pre-painted galvanized steel for superior corrosion resistance. Insulated to prevent exterior condensation.

#### INSTALLER SELECTABLE HIGH SPEED SETTINGS

Highest speed, "H3" is the factory setting. Installers may select a lower high speed on set up.

### CONTROLS

FEATURES	99-DXPL02	99-BC02	99-BC03	99-BC04
5 speed fan operation on each mode	✓			
2 speed fan operation (Low/High)		✓		✓
Continuous low speed fan operation	✓	✓	✓	✓
Humidity control through adjustable Dehumidistat	✓	✓	✓	
Large digital LCD screen	✓			
LED status indicator lights		✓	✓	✓
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 Timer	✓	✓	✓	✓
3 wire connection	✓	✓	✓	✓

### ACCESSORIES

#### 99 DH-01

Dehumidistat - Initiates high speed ventilation when the indoor humidity level is above the set point. (3 wire) 20 gauge wire (min.) 100 ft. length.

#### 99-194 DUAL HOOD (4 IN.)

Suitable for 4 in. connections.

#### 99-190 DUAL HOOD (5 IN.)

Suitable for 5 in. connections.

#### 99-184 WEATHERHOODS

Two - 4 in. (102 mm) c/w 1/4 in. (6 mm) mesh screen.

#### 99-185 WEATHERHOODS

Two - 5 in. (125 mm) c/w 1/4 in. (6 mm) mesh screen.

#### 99-186 WEATHERHOODS

Two - 6 in. (150 mm) c/w 1/4 in. (6mm) mesh screen.

### TIMERS

#### 99-DET01

##### LIFEBREATH 20/40/60 MINUTE TIMER

Initiates high speed Ventilation for 20, 40 or 60 minutes. 3 wire connection.

#### 99-DET02 Exclusive to Lifebreath

##### WIRELESS LIFEBREATH 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 ft. approximate range.

#### 99-RX02

##### WIRELESS LIFEBREATH REPEATER

Extends 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.



99-DET02

99-BC04



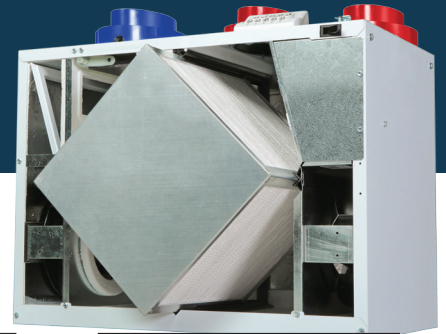
### WARRANTY

Units carry a 5 year warranty on the enthalpic (ERV) core and a 5 year replacement parts warranty.

All units conform to CSA and UL standards

# 130 ERVD

## ENERGY RECOVERY VENTILATOR

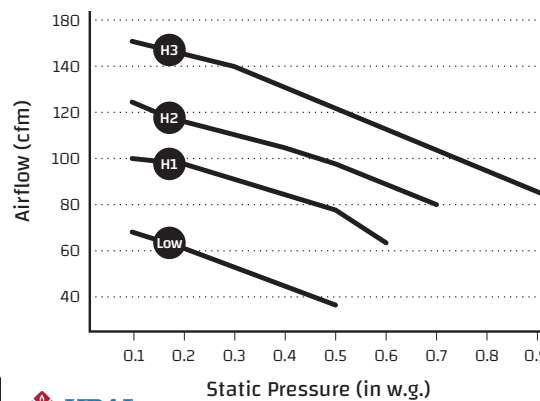


### PERFORMANCE (HVI CERTIFIED)

IN. W.G. (PA)	0.2 (50) CFM (L/s)	0.3 (75) CFM (L/s)	0.4 (100) CFM (L/s)	0.5 (125) CFM (L/s)	0.6 (150) CFM (L/s)	0.7 (175) CFM (L/s)	0.8 (200) CFM (L/s)	0.9 (225) CFM (L/s)
Net Supply Airflow	155 (73)	146 (69)	138 (65)	127 (60)	117 (55)	104 (49)	93 (44)	83 (39)
Gross Supply Airflow	157 (74)	148 (70)	140 (66)	128 (61)	117 (55)	106 (50)	95 (45)	85 (40)
Gross Exhaust Airflow	140 (66)	131 (62)	123 (58)	114 (54)	106 (50)	97 (46)	89 (42)	81 (38)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	66
Watts / High Speed	102
Amp Rating	1.7

Sensible Effectiveness (ASE) @ 64 CFM (30 L/s)	32°F (0°C)	86%
Sensible Efficiency (SRE) @ 48 CFM (23 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	75%
Sensible Efficiency (SRE) @ 65 CFM (31 L/s)	-13°F (-25°C)	60%
Total Efficiency (TRE) @ 66 CFM (31 L/s)	65°F (35°C)	48%



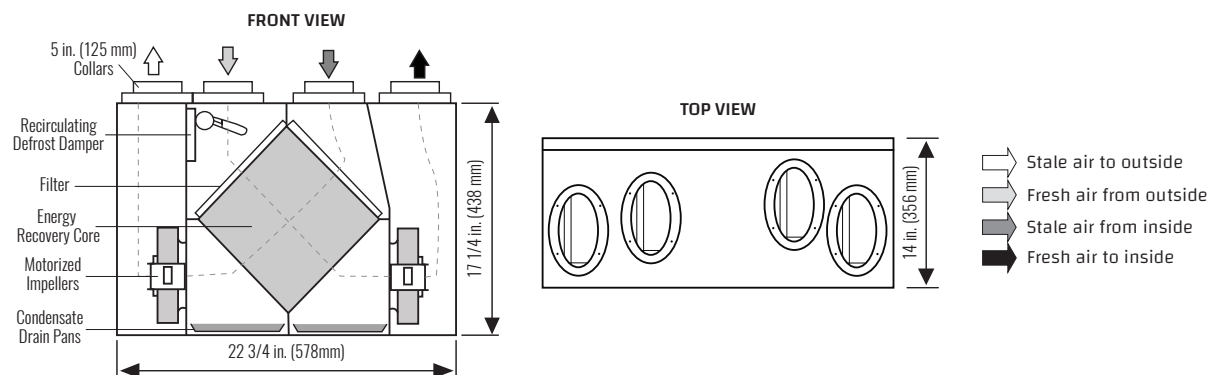
WEIGHT:  
**51 LBS (23 KG)**

SHIPPING WEIGHT:  
**54 LBS (25 KG)**

**NOTE:**  
Front clearance of 25 in. (635 mm) is recommended for servicing unit.  
All ducts use 5 in. (125 mm) round collars. Balancing dampers are located on all collars.



### DIMENSIONS



### OPTIONAL ACCESSORIES:

**Dual Hood**  
99-190  
99-194



**Weather Hoods**  
99-185  
99-186  
99-187



**TechGrille**  
99-EAG4  
99-EAG5  
99-EAG6  
99-EAG8



**Terminator Fitting**  
99-TM4  
99-TM5  
99-TM6



**Kitchen Grille**  
10-002



**MERV8 Filter upgrade**  
99-MERV8-6

**Wireless 20/40/60 Min Timer**  
99-DET02



**20/40/60 Min Timers**  
99-DET01

