

# 1500E-ECM

## HEAT RECOVERY VENTILATOR



### ENGINEERING DATA:

#### AIRFLOW

1500 CFM (705 L/s) at 1.0 in. w.g. ESP.

#### PERFORMANCE

65% effective at 1500 CFM (705 L/s).

#### CORES

Six patented aluminum heat recovery cores arranged for efficient cross-flow ventilation..

#### BLOWERS

Two direct-drive centrifugal blowers, one per air stream.

#### FILTERS

Two 20 in. x 16 in. x 2 in. (508 mm x 406 mm x 50 mm) pleated filters in each air stream. MERV 8 efficiency.

#### CONNECTION DUCT SIZES

Two 19 in. x 16 in. (482 mm x 406 mm) to and from building under cabinet. Two 18 in. x

17 in. (457 mm x 431 mm) hoods included on side of cabinet with washable screens.

#### CABINET

20 gauge powder coated steel 1 in. (25 mm) thick Elastomeric insulation.

#### DRAIN

Two powder coated galvanized steel drain pans with 1/2 in. (12 mm) O.D. drain connections.

#### MOUNTING

Rooftop mounted on optional curb (Part No. 53-1500)

#### ELECTRONICS

Integrated microprocessor board. Three independently adjustable motor speeds.

#### DEFROST

Factory set defrost time. Supply motor is shut off while exhaust air defrosts core.

### VOLTAGE OPTIONS:

| VOLTAGE | PHASE | MOTOR                                         | AMPS | MCA  | MOP | SKU            |
|---------|-------|-----------------------------------------------|------|------|-----|----------------|
| 208     | 1     | Two ECM, 1.0 hp, single shaft, variable speed | 20.6 | 25.8 | 30  | 100-1500E-ECM* |
| 240     | 1     |                                               | 18.2 | 22.8 | 30  |                |

\* Dual voltage unit

### CONTROLS

#### 99-BC02 - Lifebreath Ventilation Control

2 speed fan setting (Low/High). Humidity control through adjustable Dehumidistat. Compatible with 99-DET02 Wireless Timers. 3 wire connection: 20 gauge wire (minimum).

#### 99-500 - 3 Speed Control

3 speed fan setting (Low/Medium/High). 4 wire connection: 20 gauge wire (minimum).

#### 99-DH01 - Lifebreath Dehumidistat

Humidity control through adjustable Dehumidistat. 3 wire connection: 20 gauge wire (minimum).

### TIMER OPTIONS

#### 99-DET01 - Lifebreath 20/40/60 Minute Timer

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

#### 99-DET02 - 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' approximate range. **Exclusive to Lifebreath.**

#### 99-RX02 - Wireless Lifebreath Repeater

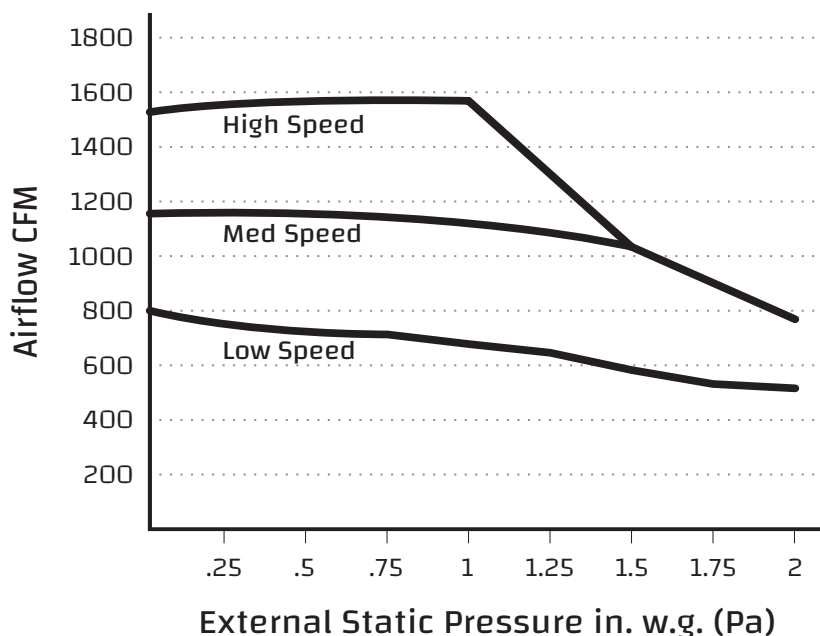
Extends range of 99-DET02 Wireless Timers. Plugs into 120V power outlet. Wirelessly connects to main control and 99-DET02. Install at halfway point between timer and main wall control if timer is out of range.

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### Airflow Performance



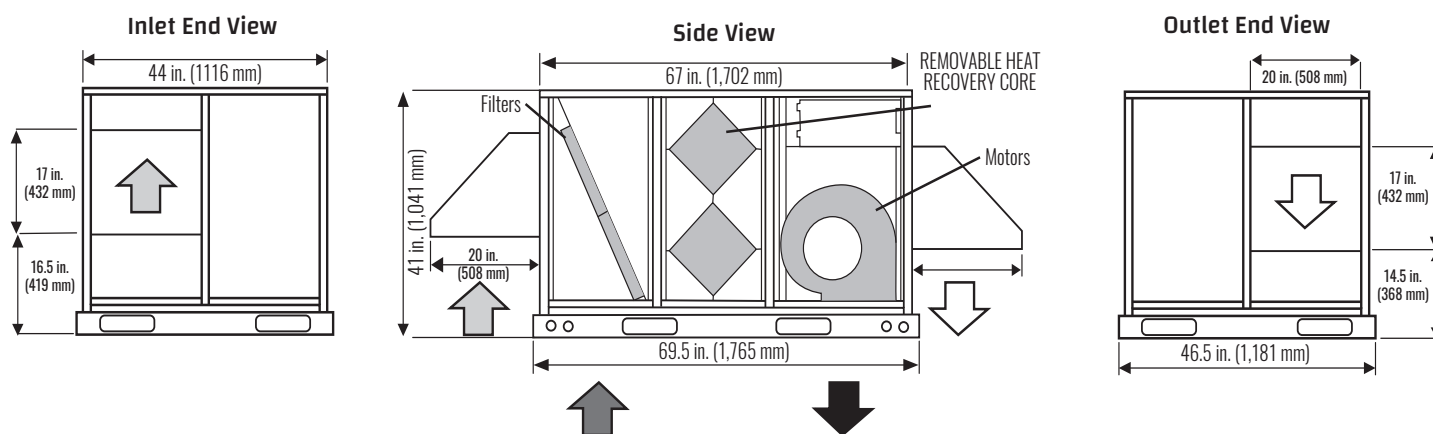
**ISO  
9001  
REGISTERED**

**WEIGHT:**  
**530 LBS (240 KG)**

**SHIPPING WEIGHT:**  
**650 LBS (290 KG)**

**NOTE:**  
Service clearance is 30 in. All specifications are subject to change without notice.

### DIMENSIONS



### Airflow:

- ➡ Stale Air to Outside
- ➡ Fresh Air from Outside
- ➡ Stale Air from Inside
- ➡ Fresh Air to Inside

Date: \_\_\_\_\_ Contractor: \_\_\_\_\_  
 Tag: \_\_\_\_\_ Supplier: \_\_\_\_\_  
 Project: \_\_\_\_\_ Qty: \_\_\_\_\_ Quote #: \_\_\_\_\_  
 Engineer: \_\_\_\_\_ Submitted By: \_\_\_\_\_  
 Control: \_\_\_\_\_ Timer: \_\_\_\_\_ Timer Qty: \_\_\_\_\_

### WARRANTY

Units carry a 15 year warranty on the HRV core and a 2 year replacement parts warranty.

All units conform to CSA and UL standards

**LIFEBREATH**  
Indoor Air Systems

www.lifebreath.com