

# AIR-1850-EF

## 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.

### 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	AIR-1850-EF-240SP*
240	1		18.2	22.8	30	

\* Dual voltage unit

### CONTROLS

#### 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: 20 gauge wire (minimum).

#### 99-500 - 3 Speed Control

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

### 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 - Wireless Airflow 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 - Wireless Airflow Repeater

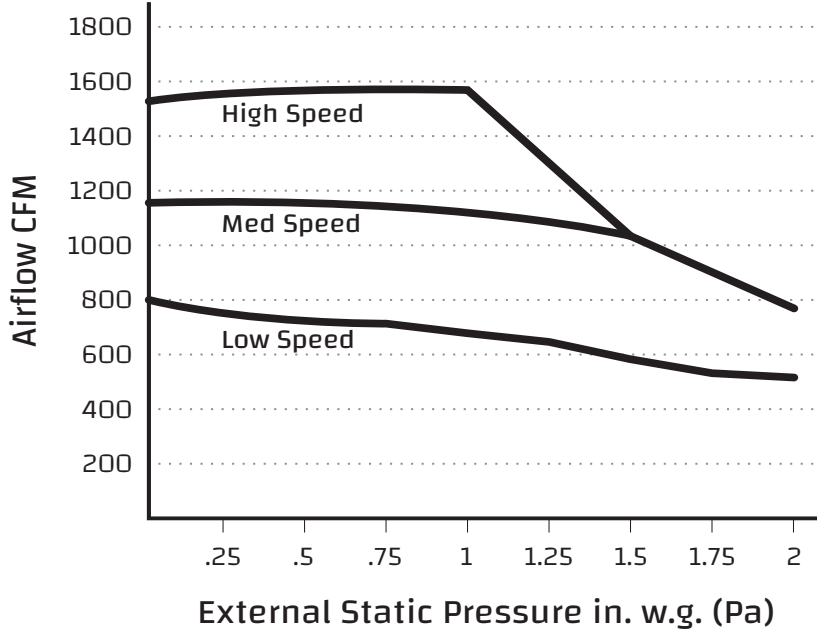
Extends range of 99-DET02 Wireless Timers. Plugs into 120V power outlet. Wirelessly connects to main control and 99-DET02. Install at halfway point between timer and main wall control if timer is out of range.

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### Airflow Performance



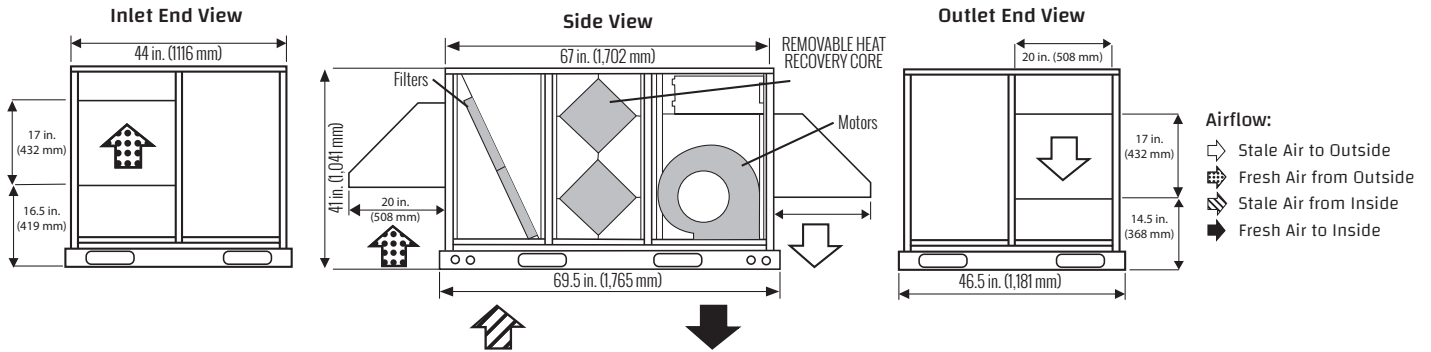
**ISO  
9001  
REGISTERED**

**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



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



airflowiaq.com