

AIR-1850-IF

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

Four 18 in. x 18 in. (457 mm x 457 mm).

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

Unit can be set on floor or on support brackets hung by threaded rod type apparatus. Brackets and rod not included.

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	AIR-1850-IF*
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

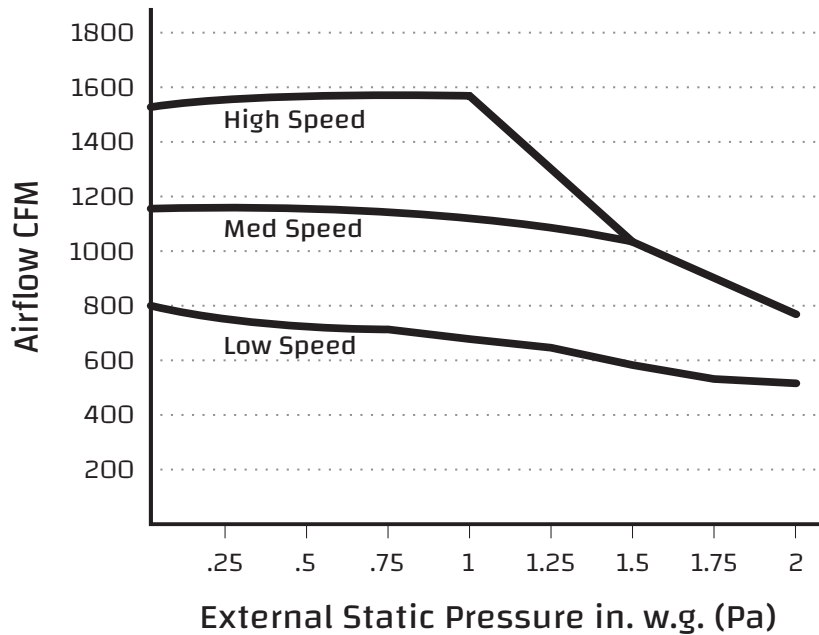
Extends range of 99-DET02 Wireless Timers. Plugs into 120V power outlet. Wirelessly connects to main control and 99-DET02. Install at halfway point between timer and main wall control if timer is out of range.

AIR-1850-IF

HEAT RECOVERY VENTILATOR



Airflow Performance



**ISO
9001
REGISTERED**

WEIGHT:
460 LBS (210 KG)

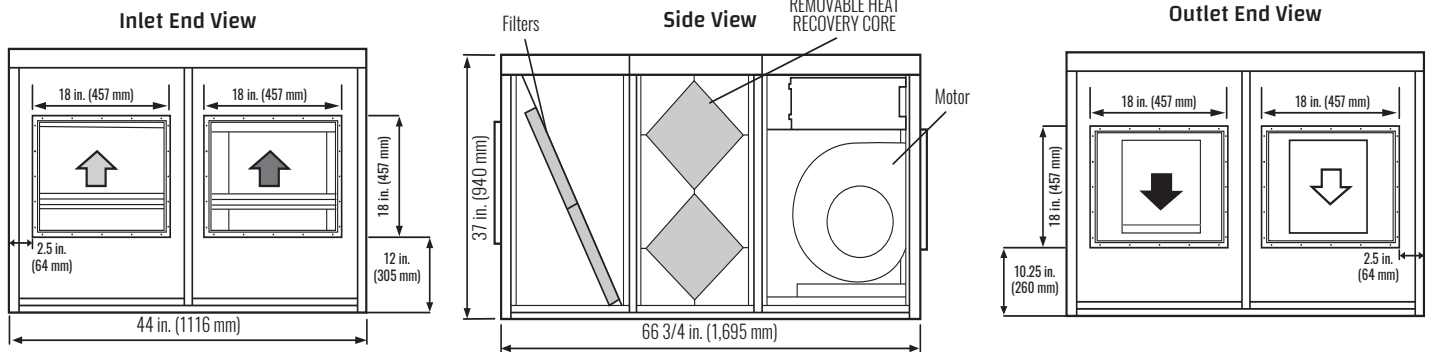
SHIPPING WEIGHT:
580 LBS (260 KG)

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



airflowiaq.com