# AIR-2850-IF HEAT RECOVERY VENTILATOR

# aflow in the second sec

# **ENGINEERING DATA:**

### **AIRFLOW**

2000 CFM (940 L/s) at 1.0 in. w.g. ESP.

### **PERFORMANCE**

65% effective at 2000 CFM (940 L/s).

### **CORES**

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

### **BLOWERS**

Two belt drive centrifugal blowers with adjustable pulleys, one per airstream.

### FII TFR9

Two 16 in.  $\times$  25 in.  $\times$  2 in. (406 mm  $\times$  635 mm  $\times$  50 mm) pleated filters in each airstream. MERV 8 efficiency.

### **CONNECTION DUCT SIZES**

Four 18 in. x 22 in. (457 mm x 558 mm).

# CABINET

20 gauge powder coated steel for superior corrosion resistance. Unit includes metal lined sides and roof panels with 1 in. fiberglass 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.

### **DEFROST**

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

# **VOLTAGE OPTIONS:**

VOLTAGE	PHASE	MOTOR	AMPS	MCA	МОР	SKU
208	1	Two ODP, 2.0 hp, single shaft, single speed	20.8	26	30	AIR-2850-IF-208SP
240	1	Two ODP, 2.0 hp, single shaft, single speed	18	22.5	30	AIR-2850-IF-240SP
208	3	Two ODP, 2.0 hp, single shaft, single speed	5.9	14.75	20	AIR-2850-IF-2083P
460	3	Two TEFC, 1.5 hp, single shaft, single speed	5.2	6.5	8	AIR-2850-IF-4603P
575	3	Two TEFC, 1.5 hp, single shaft, single speed	4	4.5	6	AIR-2850-IF-5753P

### CONTROLS

### 99-GBCO2 - Airflow Ventilation Control

Humidity control through adjustable Dehumidistat. Compatible with 99-DETO2 Wireless Timers. 3 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-DETO2 - 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-RXO2 - Wireless Airflow Repeater

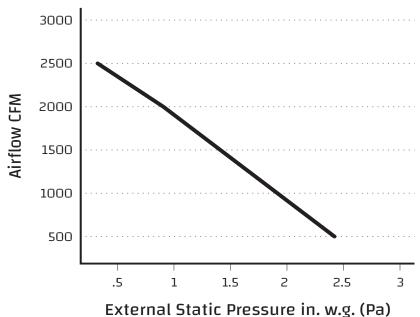
Extends range of 99-DET02 Wireless Timers. Plugs into 120V power outlet. Wirelessly connects to main control and 99-DET02. Install at halfway point between timer and main wall control if timer is out of range.



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**ISO** 9001

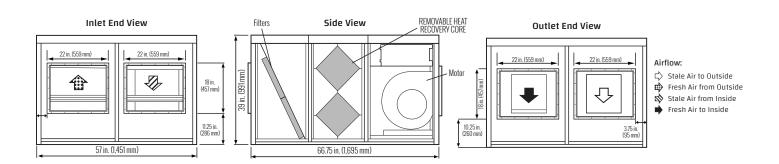
WEIGHT: **740 LBS (330 KG)** 

SHIPPING WEIGHT: 870 LBS (390 KG)

### **NOTE:**

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

## **DIMENSIONS**



Date:	Contractor:
ag:	Supplier:
Project: Qty:	Quote#:
Engineer:	Submitted By:
Control:	Timer: Timer Otv:

### 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

