AIR-2850-IF HEAT RECOVERY VENTILATOR

affew

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 |
| 208 | 3 | Two ODP, 2.0 hp, single shaft, single speed | 5.9 | 14.75 | 20 | AIR-2850-IF-208 |
| 460 | 3 | Two TEFC, 1.5 hp, single shaft, single speed | 5.2 | 6.5 | 8 | AIR-2850-IF-460 |
| 575 | 3 | Two TEFC, 1.5 hp, single shaft, single speed | 4 | 4.5 | 6 | AIR-2850-IF-575 |

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

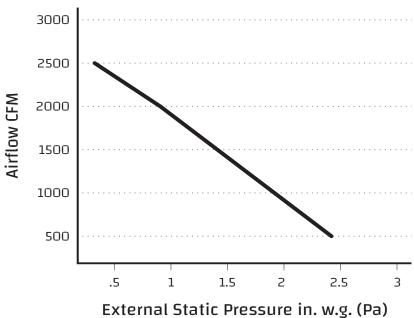
Extends range of 99-DETO2 Wireless Timers. Plugs into 120V power outlet. Wirelessly connects to main control and 99-DETO2. Install at halfway point between timer and main wall control if timer is out of range.



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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

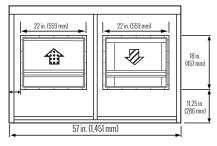
Airflow:

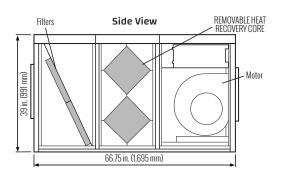
Fresh Air from Outside

Stale Air from Inside

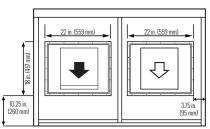
Fresh Air to Inside

Inlet End View





Outlet End View



Date:

roject:______ Qty: _____

Engineer:_____

Control: ____

Contractor:

Supplier:

Quote #: _____

Timer: ______ Timer Qty: _____

Submitted By: ___

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



AIR-2850-IF 0623

Tag: _