AIR-530 ERV-ECM
ENERGY RECOVERY VENTILATOR



ENGINEERING DATA:

TOTAL RECOVERY CORE
The cross-flow energy recovery core transfers heat and water vapor between the two air streams. It is easily removed for cleaning or service.

MOTORS
Two ECM, 3 speed single shafted, 120 VAC, 3.8A each (7.6A total on maximum speed). 1/3 HP, 2000 RPM Max. MCA: 9.5A, MOP: 15A. Total on high speed: 240 watts @ 0.5 in H20.

FILTERS
2 in. pleated MERV8 filters in supply and exhaust air streams.
MERV 13 Upgrade: 65-194R.

BLOWERS
Slide easily in / out of unit. Centrifugal type rated at 550 CFM (260 L/s) free air delivery. Each air stream has one single shafted motor driving a centrifugal blower.

CONNECTION DUCT SIZES
Four 14 in. x 8 in. (356 mm x 200 mm).

MOUNTING
Unit to be set on support brackets hung by threaded rod type apparatus (brackets and rod not provided).

CABINET
Unit has front and back access doors and electrical panel can be switched to either side giving installer flexibility in duct connection. 20 gauge prepainted galvanized steel (G60) for superior corrosion resistance. Insulated with foil faced insulation where required to prevent exterior condensation.

ELECTRONICS
Integrated microprocessor circuit board. Built-in interlock contacts. Optional remote speed control.

FROST PREVENTION
Temperature sensor activated, periodically shuts down supply motor. Drains not required.

CONTROLS

99-GBC04 - Airflow Ventilation Control
2 speed fan setting (Low/High). 2 modes of operation: Ventilation, 20/40. Compatible with 99-DET02 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-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.

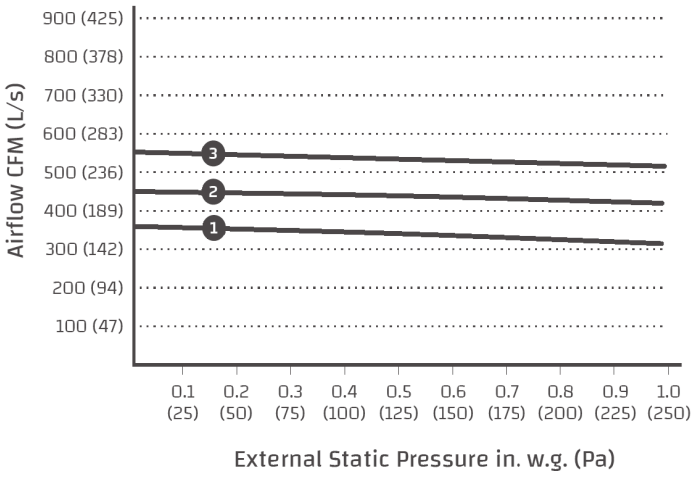
99-RX02 - Wireless Airflow Repeater
Extends range of 99-DET02 Wireless Timers. Plugs into 120V power outlet. Wirelessly connects to main control and 99-DET02. Install at halfway point between timer and main wall control if timer is out of range.

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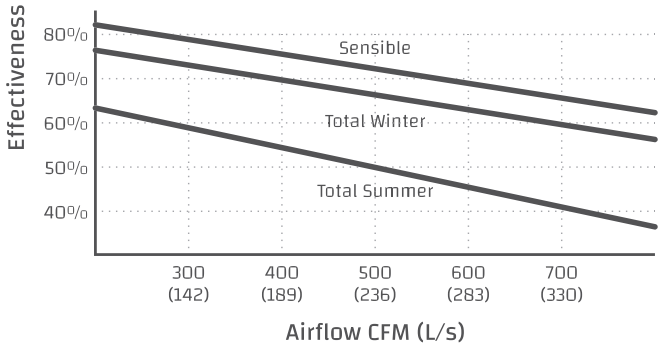
AIR-530 ERV-ECM
ENERGY RECOVERY VENTILATOR



Airflows (Each Air Stream)



Total Effectiveness



AHRI 1060 Certified Core:
Contains one 68-280

AHRI CERTIFIED® www.ahridirectory.org
Globally Recognized. Industry Respect

ISO 9001 REGISTERED

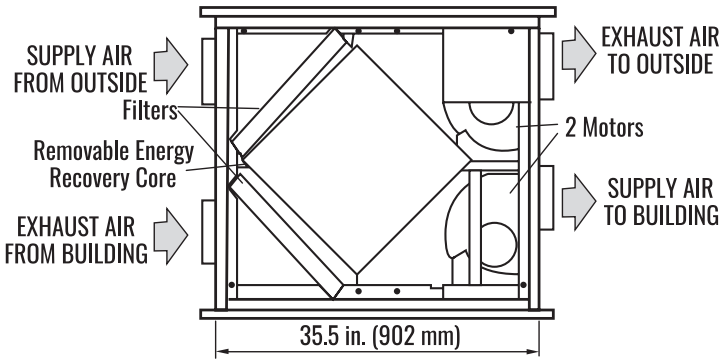
NOTE:
The 530ERV-ECM model may easily be reversed in the field. Service clearance is 30 in. (760 mm) from front access doors.

WEIGHT:
260 LBS (118 KG)

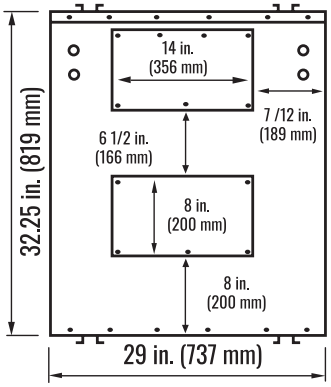
SHIPPING WEIGHT:
310 LBS (141 KG)

DIMENSIONS

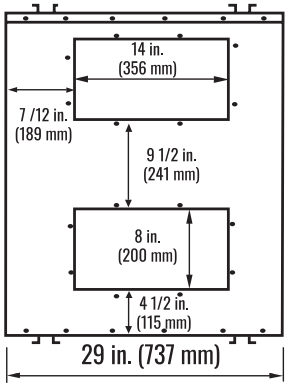
FRONT VIEW



Discharge Side



Inlet Side



Weight: 260 lbs (118 KG) · Shipping Weight: 310 lbs (141 KG)

Date: _____ Contractor: _____

Tag: _____ Supplier: _____

Project: _____ Qty: _____ Quote #: _____

Engineer: _____ Submitted By: _____

Control: _____ Timer: _____ Timer Qty: _____

WARRANTY
Units carry a 10 year warranty on the ERV core and a 2 year replacement parts warranty.

All units conform to CSA and UL standards

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