



# ERV 120S

## ENERGY RECOVERY VENTILATOR

PRODUCT SPECIFICATIONS AND ENGINEERING INFORMATION SUBMITTAL DATA



### THERMALLY CONDUCTIVE ENTHALPY CORE

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

### MOTORS AND BLOWERS

Each air stream has an independent motorized impeller. 3 speed operation 120VAC

### FILTERS

Washable air filters in exhaust and supply air streams.

PERFORMANCE		
E.S.P. (in.wg.)	CFM	L/S
0.2	110	52
0.3	103	49
0.4	99	47
0.5	96	46
0.6	89	42
0.7	86	41
0.8	81	39
Sensible Effectiveness @50 CFM (32°F):		65%
Sensible Effectiveness @50 CFM (95°F):		62%
Latent Transfer @50 CFM (32°F):		38%
Latent Transfer @50 CFM (95°F):		35%
Total Efficiency @50 CFM (32°F):		56%
Total Efficiency @50 CFM (95°F):		44%
VAC @ 60 Hz:		120
Watts @ Low/High Speed:		63/150

### MOUNTING THE ERV

Four threaded inserts at corners of case designed to accept four reinforced polyester straps that are supplied with the unit.

### CASE

Twenty gauge prepainted galvanized steel (G60) for superior corrosion resistance. Insulated to prevent exterior condensation.

### CONTROLS

Unit is supplied with a remote ERV control box that can be conveniently located near the ERV.

### ERV System Control

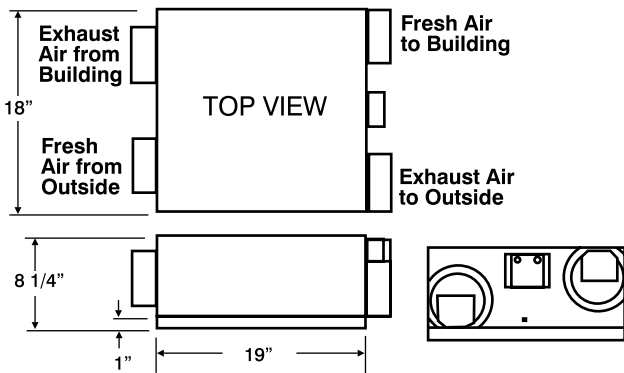
ERV defaults to LOW SPEED when plugged in. HIGH SPEED option is accessible by connecting remote controls to designated terminals inside electrical box of ERV.

Standard LOW SPEED SETTING can be increased by manipulating switches in electrical box. OFF(Standby)/LOW or OFF/HIGH speed operation also available by manipulating switches.

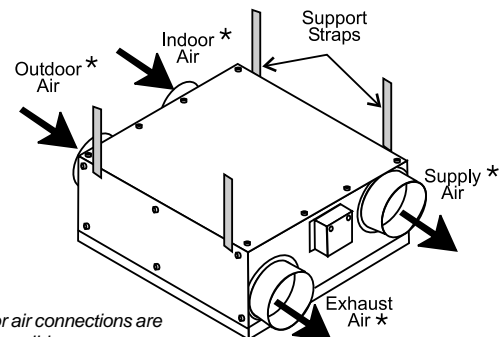
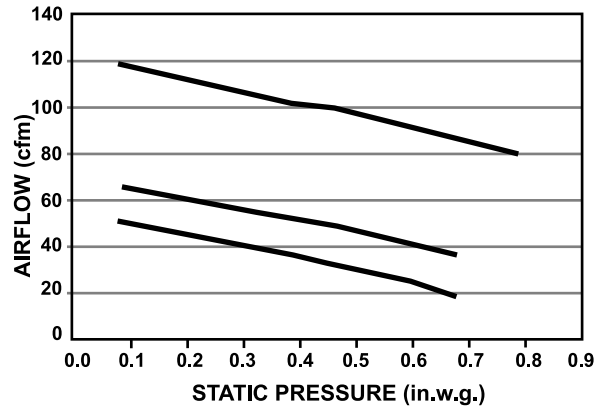
### OPTIONAL ACCESSORIES

- 28 884 20 Minute Fan timer** — White, Decora style (3 wire)  
20 gauge wire (min.) 100' length (max.)
  - 28 998 60 min. Twist Timer** with hold, white Decora style
  - 22 025 Weather Hoods, 2 - 5"** (125mm) c/w 1/4" (6mm) screen
  - 28 883 Dehumidistat Ventilation Control** - Dehumidistat with ON/OFF
  - 28 882 Dehumidistat Control** - Dehumidistat
- All units conform to CSA and UL standards.

### DIMENSIONS inches



### AIR FLOW PERFORMANCE



\*Indoor and outdoor air connections are electrically field reversible. See installation instructions for details.



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