

#### **ENGINEERING DATA**

#### **TOTAL RECOVERY CORES**

The cross-flow energy recovery cores transfer heat and water vapor between the two air streams. They are easily removed for cleaning or service.

#### **MOTORS**

Two PSC, 3 speed single shafted, 120 VAC, 4.5 Amps each (9 total on high speed). HP- 1/4, 1450 RPM. MCA: 11.3 MOP: 15 Watts - total on high speed - 1032.

#### **FILTERS**

2" pleated MERV 8 filters in supply and exhaust air streams.

#### **BLOWERS**

Slide easily in / out of unit. Centrifugal type rated at 700 CFM (329 L/s) free air delivery. Each air stream has one single shafted motor driving a centrifugal blower.

# CONNECTION DUCT SIZES - Four - 14" x 8" (356 mm x 200 mm). MOUNTING

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

#### **CABINET**

Unit has front and back access doors and electrical panel can be switched to either side giving installer flexibility in duct direction. 20 gauge pre-painted 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. Automatic Self Test. Optional remote speed control.

#### **FROST PREVENTION**

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

## **WEIGHT**

## **SHIPPING WEIGHT**

# OPTIONAL CONTROLS

99-500 3 Speed Control - 3 Speed Fan setting (Low/Medium/High) (4 wire) 20 gauge wire (minimum)

99-BC-01 Ventilation Control - 2 Speed Fan setting (Low/High) - Dehumidistat (3 wire) 20 gauge wire (minimum)

# **OPTIONAL TIMERS**

99-DET01 20/40/60 Minute Timer - Initiates high speed ventilation for 20, 40, 60 minutes. (3 wire) 20 gauge wire (minimum)

# **PERFORMANCE** AIRFLOWS (Each Air Stream) 900 (425) 800 (378 700 (330) 600 (283) 500 (236) **AIRFLOW** 400 (189 300 (142 200 (94) 100 (47 0,2 0,3 0,4 0,5 0,6 0,7 0,8 0,9 (50) (75) (100) (125) (150) (175) (200) (225) EXTERNAL STATIC PRESSURE IN. W.C. (PASCALS) **TOTAL EFFECTIVENENSS** 80% Sensible 70% **EFFECTIVENESS** 60% 50% 400 (189) 500 (236) 600 (283) AIRFLOW IN CFM (L/s) CERTIFIED AHRI 1060 Certified Core: Contains two 68-280

# WARRANTY

All units carry a 10 year warranty on the heat recovery cores and a 5 year replacement parts warranty.

NOTE: All specifications are subject to change without notice

DIMENSIONS ind	ches (mm)	
NOTE: The 730ERV model may easily be reversed in the field. Refer to page 18 for installation intructions .	SUPPLY AIR FROM OUTSIDE   EXHAUST AIR FROM BUILDING   NOTE: Service clearance is 30 in. (760 mm) from front access doors   35.5 in [902 mm)	EXHAUST AIR TO OUTSIDE    Supply Air
Date:		Contractor:
Tag:	Qty:	Supplier:
Project:		Quote#:
Engineer:		Submitted by: