

HRV 300DDD PREMIUM SERIES HEAT RECOVERY VENTILATOR

PRODUCT SPECIFICATIONS and TECHNICAL DATA

0810

THERMALLY CONDUCTIVE ALUMINUM CORE

The cross-flow heat recovery core transfers heat between the two airstreams. The two cores are arranged for highly efficient counter current airflow.

MOTORS and BLOWERS

Each air stream has one centrifugal blower driven by a common PSC motor. 5 speed fan operation.

FILTERS

Washable air filters in exhaust and supply air streams.

MOUNTING

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

DEFROST

Damper defrost system.

CASE

Twenty gauge prepainted galvanized steel (G60) for superior corrosion resistance. Insulated to prevent exterior condensation. Drain connections 2 - 1/2" (12 mm) OD.

WEIGHT 106 lbs. SHIPPING WEIGHT 108 lbs.

PREMIUM SERIES ELECTRONICS

- · Built-in Dehumidistat disable feature
- · Built-in Relay for interfacing with furnace

CONTROLS and ELECTRONICS

The **Premium Series Digital Control** (Model ADXC-II) is included with the unit and can be wall mounted in a central location of the home.

- · 2 Speed Operation on each mode.
- 4 user selectable operation modes: Continuous Ventilation, 20 ON/40 OFF, 20 ON/40 Recirculation, Continuous Recirculation
- · Adjustable Dehumidistat function built into the main wall control.
- · Connected to 3 wire 20 gauge low voltage wire.

OPTIONAL CONTROLS

Premium Series Digital Control (Model APVC)

Contains all the features of the premium series digital control ADXC-II plus 5 speeds and 7/24 programmable ventilation, (3 wire) min 20 gauge wire max 100' length.

DH-II Humidistat

- · Initiates high speed ventilation when the indoor humidity level is above set point.
- · Connects to 3 wire 20 gauge wire (min.) 100' length

DET-II 20/40/60 Minute Timer

- · Initiates high speed ventilation for up to 20/40/60 minutes
- · Connects to 3 wire 20 gauge wire (min.) 100' length

28998-WHITE or 29008-IVORY Mechanical Timer

- · Initiates high speed ventilation for up to 60 minutes
- · Connects to 3 wire 20 gauge wire (min.) 100' length

OPTIONAL ACCESSORIES

22026 Weatherhoods

 \cdot Two - 6" (150mm) c/w 1/4" (6mm) mesh screen

ZRT-1 Zone Register Terminal

 Permits intermittent ventilation control at any exhaust terminal, controlled by local timer switch, turns HRV/ERV on high speed. Suggested use: bathrooms and shower areas.

ZRT-2 Zone Register Terminal

Permits constant low airflow with boost exhaust, controlled by local timer switch,
 simultaneously turns HRV/ERV on high speed. Suggested use: bathroom and shower areas.

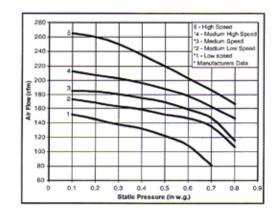
Constant Exhaust Registers

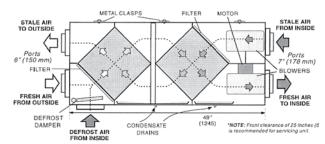
· Airflows remain constant while other zones are turned on and HRV/ERV runas at high speed. Suggested use: laundry areas and pet rooms.

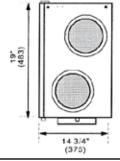
Warranty - 15 year warranty on Heat Recovery Core · 2 year Parts Warranty

PERFORMANCE

E.S.P. (in.wg.)	CFM	L/S
0.1	265	125
0.2	260	123
0.3	250	118
0.4	235	111
0.5	220	104
0.6	203	96
0.7	186	88
0.8	167	79
Maximum Temperature Recovery		90%
Sensible Effectiveness @119 CFM (32°F):		90%
Sensible Efficiency @119 CFM (32°F):		79%
Sensible Efficiency @125 CFM (-13°F):		75%
VAC @ 60 Hz:		120
Watts / Low Speed:		150
Watts / High Speed:		333
Amp Rating		2.9











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