

ENGINEERING DATA

THERMALLY CONDUCTIVE, PATENTED 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 ECM motor. 5 speed fan operation. 120 VAC, 1.4 Amps.

FILTERS

Washable air filters in exhaust and supply air streams.

MOUNTING THE HRV

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

DEFROST

Damper defrost system.

DEHUMIDISTAT

Adjustable Internal Dehumidistat.

CASE

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

CONTROLS

ControlAir 15 - Standby/ON mode, 20 ON/ 40 OFF mode (each mode has 5 speeds). Control pad can be removed from HRV and remotely mounted.

Weight 106 lbs. (48 kg) **Shipping Weight** 108 lbs. (49 kg)

OPTIONAL MAIN CONTROLS

99-350 Lifestyle Ventilation Control 7/24 programmable ventilation, (3 wire) 20 gauge wire (min.) 100' length

99-109 Air Sentry Air Quality Monitor designed to accept remotely mounted Control Pad, (3 wire) 20 gauge wire (min.) 100' length

99-250 Ventilation Dehumidistat designed to accept remotely mounted Control Pad, (4 wire) 20 gauge wire (min.) 100' length

OPTIONAL TIMERS

99-104 Digital Electronic Timer - initiates high speed ventilation for 20, 40 or 60 minutes, (3 wire) 20 gauge wire (min.) 100' length

99-101 Crank Timer - Initiates high speed ventilation for up to 60 minutes, (2 wire) 20 gauge wire (min.) 100' length

OPTIONAL ACCESSORIES

99-163 Duct Heater w/ Electronic SCR Thermostat, 1 Kw, 6" (150 mm)

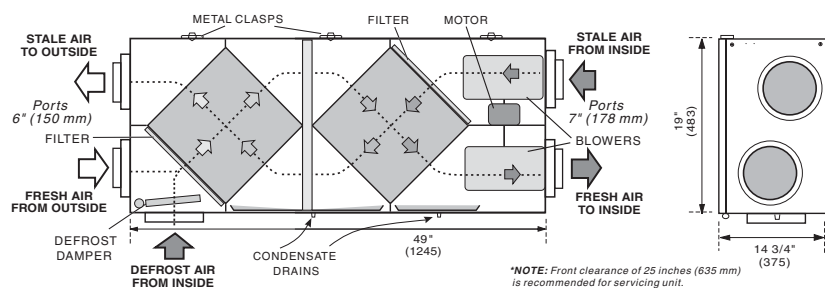
99-164 Duct Heater w/ Electronic SCR Thermostat, 2 Kw, 6" (150 mm)

99-185 Weatherhoods, Two - 6" (150 mm) c/w 1/4" (6 mm) mesh screen

WARRANTY

Units carry a LIFETIME warranty on the heat recovery core and a 5 year replacement parts warranty.

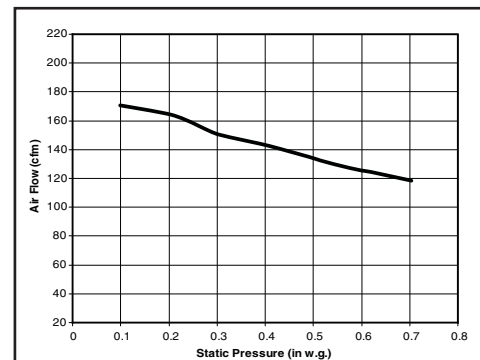
DIMENSIONS 195ECM inches (mm)



*NOTE: Front clearance of 25 inches (635 mm) is recommended for servicing unit.

Performance		
Net supply air flow in cfm (L/s) against external static pressure		
E.S.P (external static pressure)	[cfm (L/s)]	
@ 0.1" (25 Pa)	171 (81)	
@ 0.2" (50 Pa)	164 (77)	
@ 0.3" (75 Pa)	156 (74)	
@ 0.4" (100 Pa)	143 (67)	
@ 0.5" (125 Pa)	134 (63)	
@ 0.6" (150 Pa)	126 (59)	
@ 0.7" (175 Pa)	119 (56)	
Max. Temperature Recovery	88%	
Sensible Effectiveness		
@ 114 cfm (54 L/s)	32°F (0°C)	88%
*Sensible Efficiency		
@ 114 cfm (54 L/s)	32°F (0°C)	81%
*Sensible Efficiency		
@ 119 cfm (56 L/s)	-13°F (-25°C)	77%
VAC @ 60HZ	120	
WATTS / Low speed	34	
WATTS / High speed	95	
Amp rating	1.4	

*Sensible Efficiency – thermal **Latent Efficiency – moisture
Note: Effectiveness - based on temp. differential between the 2 airstreams
Efficiency – takes into account all power inputs



R2000 HRAI All units conform to CSA and UL standards.

ATTENTION

The ECM motor produces a tone that some may find objectionable. We recommend the installation of the optional 99-SILENCER6 on the 'Stale Air from Inside' and 'Fresh Air to Inside' ducts.

Date: _____
 Tag: _____ Qty: _____
 Project: _____
 Engineer: _____

Contractor: _____
 Supplier: _____
 Quote#: _____
 Submitted by: _____



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