

LIFEBREATH[®]

INDOOR AIR SYSTEMS



Breathe easy

155ECM Heat Recovery Ventilator

Lifebreath 155 with ECM improves indoor air quality and gives homeowners even more energy savings. An HRV transfers heat from the stale exhausting air to the fresh incoming air, producing the ultimate clean air home.

The high efficiency aluminum heat exchange core has a temperature recovery of 79% and provides 147 CFM at 0.3" of external static pressure. With the ECM operating at low speed, the unit only uses 17 watts.

Part # 94-155ECM



Features

- Aluminum core
- Built in dehumidistat
- Low speed - 17 watts
- Recirculating damper defrost
- 5 fan speed control
- *Smart ControlAir-15* electronics



ENGINEERING DATA

THERMALLY CONDUCTIVE, PATENTED ALUMINUM CORE

The cross-flow heat recovery core transfers heat between the two airstreams. It is easily removed for cleaning or service.

MOTORS AND BLOWERS

High efficiency electronic commutated ECM motor for maximum energy savings. Each air stream has one centrifugal blower. 5 speed fan operation driven by one double shaft motor. 120 VAC, 1.0 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

Recirculating 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

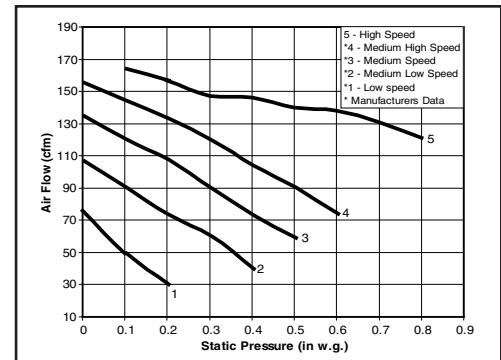
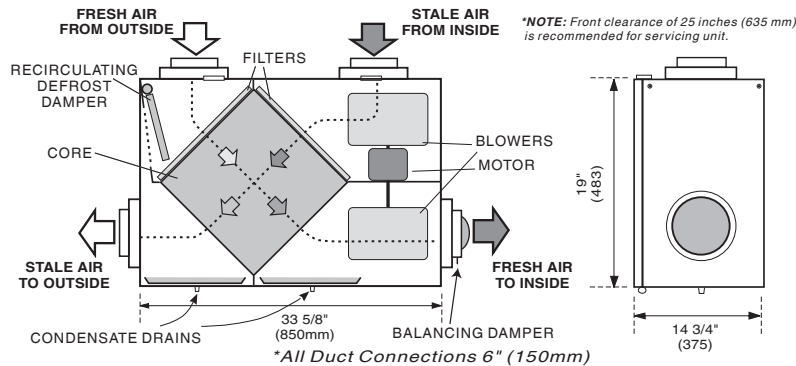
ControlAir 15 - Standby/ON mode, 20 ON/ 40 OFF mode, 20 ON/40 Recirculation mode, Recirculation mode (each mode has 5 speeds). Control pad can be removed from HRV and remotely mounted.

Weight 71 lbs. (32.5 kg) **Shipping Weight** 73 lbs. (33.5 kg)

Performance (HVI certified) <i>Net supply air flow in cfm (L/s) against external static pressure</i>		
E.S.P (external static pressure)	[cfm (L/s)]	
@ 0.1" (25 Pa)	164 (77)	
@ 0.2" (50 Pa)	157 (74)	
@ 0.3" (75 Pa)	147 (69)	
@ 0.4" (100 Pa)	146 (69)	
@ 0.5" (125 Pa)	140 (66)	
@ 0.6" (150 Pa)	138 (65)	
@ 0.7" (175 Pa)	131 (62)	
@ 0.8" (200 Pa)	121 (57)	
Max. Temperature Recovery	79%	
Sensible Effectiveness		
@ 66 cfm (31 L/s) 32°F (0°C)	72%	
*Sensible Efficiency		
@ 66 cfm (31 L/s) 32°F (0°C)	66%	
*Sensible Efficiency		
@ 66 cfm (31 L/s) -13°F (-25°C)	67%	
VAC @ 60HZ	120	
WATTS / Low speed.	17	
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

DIMENSIONS 155ECM inches (mm)



OPTIONS

- 99-104 **Digital Electronic Timer** - 20/40/60 min.
- 99-109 **Air Sentry™ Air Quality Monitor** designed to accept remotely mounted Control Pad
- 99-250 **Ventilation Dehumidistat** - Dehumidistat designed to accept remotely mounted Control Pad.
- 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)
- 99-186 **Weatherhoods, Two - 6"** (150 mm) c/w 1/4" (6 mm) mesh screen
- 99-SILENCER6 6" dia. 16" long

WARRANTY

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



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.



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