LIFEBREATH®
INDOOR AIR SYSTEMS

Every Home

deserves our best...

an ECM motor upgrade ensures maximum energy savings

QUIET, EFFICIENT
ECM
SAVES ENERGY

MAX 155ECM

Setting a new standard
for energy efficient, clean air homes

AIRIA BRANDS INC.

Visit us at www.lifebreath.com

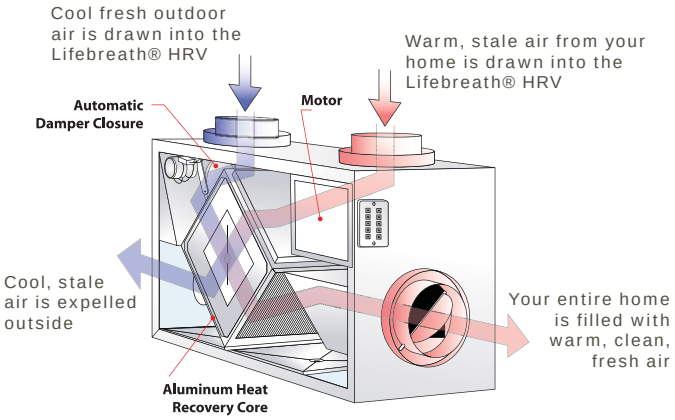
Energy efficiency starts with the ECM motor

Since 1985, ECM technology has been a versatile tool for improving HVAC system performance, and is becoming a standard product in residential and non-residential buildings.

A high efficiency brushless motor is electronically commutated. This results in better performance, greater reliability and a quieter operation.

At low speed, the 155 ECM uses just 33 watts at 66 cfm. That's 51% more efficient than a conventional 155 MAX. And the 155 ECM exceeds the requirements to be Energy Star certified.

Replace Stale Indoor Air With Fresh Outdoor Air – 8 Times a Day!



The unique dual-stream airflow design keeps outgoing stale air separate from incoming fresh air and completely rejuvenates the air throughout your entire home up to eight times a day.

Lifebreath's balanced ventilation technology replaces indoor stale air with an identical amount of fresh air. This balanced ventilation is critical to prevent moisture build-up in your home during the heating season which can lead to expensive rot damage and hazardous mold.

In the summertime, the HRV works in reverse, transferring cool energy to the incoming air supply before stale air is exhausted.

Controls and Electronics

The Lifestyle MAX Digital Control is standard with both the 155 and 195 ECM.

Features include:

- 5 speed, 4 mode operation
- Humidity Control through dehumidistat
- Adjustable dehumidistat function built into the main wall control
- Built-in Relay for Interfacing to furnace
- Wall-mount for a central location in the home.

Optional Programmable Control (99-LS-01)

Lifestyle MAX Programmable Control:
All features of the Digital control PLUS 4-event feature provides 7/24 customization according to Lifestyle.

ECM equipped units carry a LIFETIME warranty on the heat recovery core

and a 5 year replacement parts warranty

LIFEBREATH INDOOR AIR SYSTEMS

LIFEBREATH INDOOR AIR SYSTEMS

2100 HVI CERTIFIED R2000 HRAI MEMBER COMPANY

All units conform to CSA and UL standards.

Additional Engineering Data *(see Specification Catalogue for complete details)*

- ECM motor, provides maximum energy efficiency and resulting homeowner utility savings
- Thermally conductive, patented aluminum core
- Motors and blowers: Each air stream has one centrifugal blower driven by a common ECM motor. 5 speed fan operation. 120 VAC, 1.7 Amps.
- Washable air filters in exhaust and supply air streams.
- Easily mounted by four threaded corner inserts that accept reinforced polyester straps (included)
- Damper defrost system.
- Case: Twenty gauge pre-painted galvanized steel (G60) for superior corrosion resistance. Insulated to prevent exterior condensation. Drain connections 2 - 1/2" (12 mm) OD.

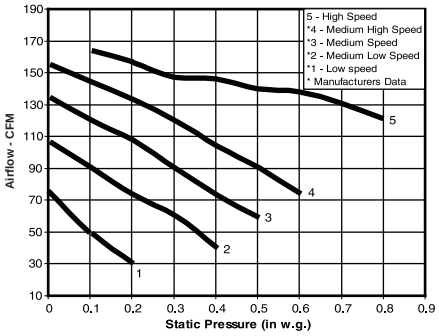
HVI CERTIFIED

Net supply air flow in cfm (L/s) against external static pressure

155 ECM

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		34
WATTS / High speed		95
Amp rating		1.4

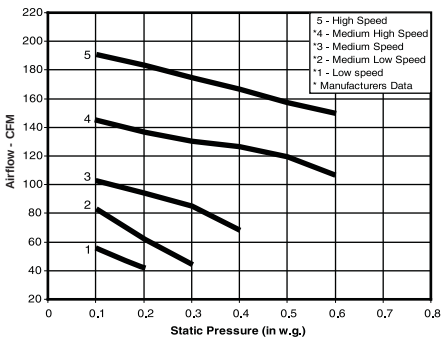
**Sensible Efficiency - thermal **Latent Efficiency - moisture*
Effectiveness based on temperature differential between the 2 airstreams.
Efficiency takes into account all power inputs.



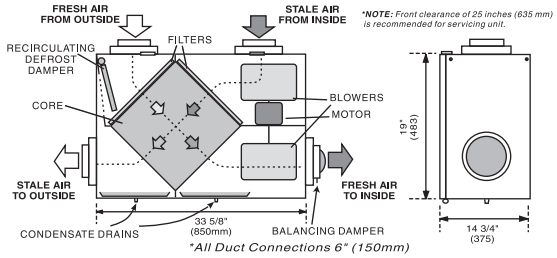
195 ECM

E.S.P (external static pressure)		*[cfm (L/s)]*
@ 0.1" (25 Pa)		191 (90)
@ 0.2" (50 Pa)		184 (86)
@ 0.3" (75 Pa)		177 (83)
@ 0.4" (100 Pa)		169 (80)
@ 0.5" (125 Pa)		159 (75)
@ 0.6" (150 Pa)		152 (71)
Max. Temperature Recovery		88%
Sensible Effectiveness @ 114 cfm (54 L/s)	32°F (0°C)	85%
*Sensible Efficiency @ 114 cfm (54 L/s)	32°F (0°C)	78%
*Sensible Efficiency @ 119 cfm (56 L/s)	-13°F (-25°C)	69%
VAC @ 60HZ		120
WATTS / Low speed		34
WATTS / High speed		129
Amp rating		1.7

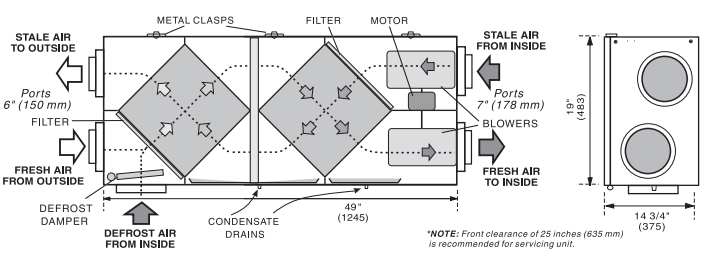
**Sensible Efficiency - thermal **Latent Efficiency - moisture*
Effectiveness based on temperature differential between the 2 airstreams.
Efficiency takes into account all power inputs.



Dimensions: *155 ECM inches (mm)*



Dimensions: *195 ECM inches (mm)*



Fresh ECM Concepts in Indoor Air Quality and High Efficiency Heating

Lifebreath® Clean Air Furnace

The Lifebreath® Clean Air Furnace is an integrated air handling system that combines a hydronic air handler and heat recovery ventilator in one, providing exceptional health benefits for everyone in your home.

The patented aluminum heat recovery core efficiently transfers the heat from the stale indoor air to the incoming air, resulting in warm, fresh air for every room of your home.

All Lifebreath® Clean Air Furnaces are available with an optional ECM motor for maximum energy savings.

Lifebreath® Hydronic Air Handlers

- Significant energy savings:
  - ECM motor available on all models
- Heating Capacity: 25,000 to 110,000 BTU.
- Add on air conditioning capacity: 2 to 4 tons.
- Compatible with a hot water heater or boiler.
- Simple, straightforward installation. Saves time.
- May qualify for energy efficiency programs or rebates in your area.

Energy Star Certified

Early in 2010 a new Energy Star Certification program was introduced for Heat Recovery Ventilators (HRV). We are a proud participant in this program. For a complete listing of Energy Star Certified Lifebreath products please visit www.lifebreath.com.

Setting a new standard
for energy efficient, clean air homes

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