

HRVs & ERVs



MAX SERIES				
Model	Unit Dimensions H x W x D (in)	Airflow up to (CFM)	Sensible Recovery Efficiency (SRE) @ 0°C	Energy Star
155 MAX 2019*	18.75 x 33.6 x 14.75	159	75% (@ 30 L/s)	
205 MAX	18.75 x 33.6 x 15	203	76% (@ 30 L/s)	
267 MAX	18.75 x 33.6 x 15	273	75% (@ 30 L/s)	
195DCS	18.75 x 49 x 14.75	210	81% (@ 30 L/s)	

*2019 denotes Energy Star certification, not manufacture date.



RNC SERIES				
Model	Unit Dimensions H x W x D (in)	Airflow up to (CFM)	Sensible Recovery Efficiency (SRE) @ 0°C	Energy Star
RNC6-HEX-TPD	18.75 x 29.25 x 15	110	75% (@ 30 L/s)	
RNC5-HEX-TPF	18.75 x 29.25 x 15	114	76% (@ 30 L/s)	
RNC 155 2019*	18.75 x 33.625 x 14.75	159	75% (@ 30 L/s)	
RNC 205	18.75 x 33.625 x 15	193	76% (@ 30 L/s)	

* Compliance Packages A1-A6 efficiencies for HRV or ERV's is between 70% and 81% SRE @ 0°C, and 55% SRE @ -25°C.



ERV SERIES				
Model	Unit Dimensions H x W x D (in)	Airflow up to (CFM)	Sensible Recovery Efficiency (SRE) @ 0°C	Energy Star
130ERVD	17.75 x 22.75 x 14	155	75% (@ 30 L/s)	
170ERVD	18.75 x 33.6 x 15	182	75% (@ 31 L/s)	

LIFEBREATH CONTROL OPTIONS

FEATURES	99-DXPL02*	99-BC02	99-BC03	99-BC04
5 speed fan operation on each mode	✓			
2 speed fan operation (Low/High)		✓		✓
Continuous low speed fan operation	✓	✓	✓	✓
Humidity control through adjustable Dehumidistat	✓	✓	✓	
Large digital LCD screen	✓			
LED status indicator lights		✓	✓	✓
Continuous Ventilation	✓	✓	✓	✓
Continuous Recirculation*	✓		✓	
20 ON/40 OFF	✓		✓	✓
10 ON/50 OFF	✓			
20 ON/40 Recirculation**	✓		✓	✓
20/40/60 min. High speed override button	✓			
Compatible with 99-DET02 Wireless Timer	✓	✓	✓	✓
3 wire connection	✓	✓	✓	✓

* Controller with 5-speed, 4-mode operation, included with MAX Series.

**Recirculation features not available on fan defrost models.

ONTARIO BUILDING CODE (OBC)

The new OBC for mechanical ventilation (section 9.32.3) requires the installation of an HRV or ERV in Ontario. The mandatory installation of one of these units must meet specific requirements. This reference guide can help you make the right choice for specific projects depending on zone, size, performance and efficiencies.

Principal Ventilation Rate based on 15 L/s master bedroom, plus 7.5 L/s each additional bedroom. Efficiency required is between 70% and 81% SRE @ 0°C, and 55% SRE @ -25°C.

Required SRE is at the Principal Ventilation Capacity (PVC). If the PVC is over 30 L/s, the SRE requirement needs to only meet at 30 L/s.

UNDERSTANDING THE DIFFERENCES

An Energy Recovery Ventilator (ERV) or Heat Recovery Ventilator (HRV) is an air to air energy exchanger found in modern, energy efficient homes. Due to the tight construction of new homes, your home can no longer “breathe” on its own. An ERV or HRV allows for fresh air exchange by exhausting stale indoor air and supplying an equal volume of fresh air from outside, ensuring high quality indoor air year-round.

Heat recovery ventilators (HRV) are designed to keep heat in while moving stale air out. Your home was built to be energy efficient, and Lifebreath’s HRV helps it stay that way. In winter, the HRV’s patented aluminum core transfers heat from outgoing, stale air to incoming fresh air so that it doesn’t need to be fully reheated.

In summer, the HRV works in reverse, removing heat from incoming air, helping your home stay cool. Lifebreath HRVs give you fresher, cleaner air without adding load to your heating and air conditioning.

Energy Recovery Ventilators (ERV) possess the same heat transfer capabilities as HRVs however they also take advantage of the humidity levels in the airflow. In addition to heating and cooling air, HVAC systems force water out of the air in the humid summer and into the air in the dry winter.

Energy including moisture is transferred between the airstreams reducing the loads on the heating and cooling equipment while delivering the air comfortably and quietly into the space. ERVs are able to capture not only the energy savings of the heat exchange but also the energy associated with humidity levels in the air.

TOTAL VENTILATION CAPACITY (TVC)	
F326 TVC	Minimum Ventilation Capacity CFM (L/s)
Master bedroom	20 (10)
Basement	20 (10)
Single bedroom	10 (5)
Living room	10 (5)
Dining room	10 (5)
Family room	10 (5)
Recreation room	10 (5)
Other habitable rooms	10 (5)
Kitchen	10 (5)
Bathroom	10 (5)
Laundry room	10 (5)
Utility room	10 (5)



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Manufacturer reserves the right to change specifications without notice.
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