

HRVs & ERVs

OBC QUALIFIED UNITS

| Model | Description H x W x D (in.) | Airflow CFM (L/s) | | | Sensible Recovery Efficiency (SRE) @ 0°C | Sensible Recovery Efficiency (SRE) @ -25°C | Zone | Compliance | Number of Bedrooms | Energy Star |
|----------------------|---|-------------------|---------------|----------------|--|--|--------|--|-----------------------|----------------|
| | | .2 (50 PA) | .3 (75 PA) | .4 (100 PA) | | | | | | |
| MAX SERIES | | | | | | | | | | |
| 95 MAX | Recirculating Defrost 25 x 18.5 x 16 | 66 (31) | 64 (30) | 59 (28) | 75% (@ 28 L/s) | 68% (@ 29 L/s) | 1 2 | A1, A2, A4, A5, A6 A2, A3, A4, A5, A6 | 2 2 | |
| 155 MAX | Recirculating Defrost 18.75 x 33.6 x 14.75 | 163 (77) | 146 (69) | 132 (62) | 75% (@ 30 L/s) | 71% (@ 30 L/s) | 1 2 | A1, A2, A4, A5, A6 A2, A3, A4, A5, A6 | 3+ 3+ | |
| 205 MAX | Recirculating Defrost 18.75 x 33.6 x 15 | 193 (91) | 182 (86) | 172 (81) | 76% (@ 30 L/s) | 70% (@ 48 L/s) | 1 2 | A5 A2, A3, A4, A5 | 3+ | |
| 267 MAX | Recirculating Defrost 18.75 x 33.6 x 15 | 273 (129) | 267 (126) | 261 (123) | 75% (@ 30 L/s) | 70% (@ 34 L/s) | 1 2 | A1, A2, A4, A5, A6 A2, A3, A4, A5, A6 | 3+ 3+ | |
| 195 DCS | Damper Defrost 18.75 x 49 x 14.75 | 195 (92) | 181 (85) | 158 (74) | 82% (@ 35 L/s) | 72% (@ 53 L/s) | 1 2 | A1, A2, A3, A4, A5, A6 A1, A2, A3, A4, A5, A6 | 3+ 3+ | |
| RNC SERIES | | | | | | | | | | |
| RNC 95 | Recirculating Defrost 25 x 18.5 x 16 | 66 (31) | 64 (30) | 59 (28) | 75% (@ 28 L/s) | 68% (@ 29 L/s) | 1 2 | A1, A2, A4, A5, A6 A2, A3, A4, A5, A6 | 2 2 | |
| RNC5- HEX- TPD | Recirculating Defrost 18.75 x 29.25 x 15 | 103 (49) | 96 (45) | 88 (42) | 75% (@ 30 L/s) | 69% (@ 32 L/s) | 1 2 | A1, A2, A4, A5, A6 A2, A3, A4, A5, A6 | 3+ 3+ | |
| RNC5- HEX- TPF | Fan Defrost 18.75 x 29.25 x 15 | 102 (48) | 98 (46) | 91 (43) | 76% (@ 30 L/s) | 66% (@ 32 L/s) | 1 2 | A1, A2, A4, A5, A6 A2, A3, A4, A5, A6 | 3+ 3+ | |
| RNC 155 | Recirculating Defrost 18.75 x 33.6 x 14.75 | 163 (77) | 146 (69) | 132 (62) | 75% (@ 30 L/s) | 71% (@ 30 L/s) | 1 2 | A1, A2, A4, A5, A6 A2, A3, A4, A5, A6 | 3+ 3+ | |
| RNC 205 | Recirculating Defrost 18.75 x 33.6 x 15 | 193 (91) | 182 (86) | 172 (81) | 76% (@ 30 L/s) | 70% (@ 48 L/s) | 1 2 | A5 A2, A3, A4, A5 | 3+ | |
| ERV SERIES | | | | | | | | | | |
| 130 ERV D | Recirculating Defrost 17.25 x 22.75 x 14 | 155 (73) | 147 (69) | 137 (65) | 75% (@ 30 L/s) | 60% (@ 31 L/s) | 1 2 | A1, A2, A4, A5, A6 A2, A3, A4, A5, A6 | 3+ 3+ | |
| 170 ERV D | Recirculating Defrost 18.75 x 33.6 x 15 | 184 (87) | 172 (81) | 161 (76) | 75% (@ 31 L/s) | 58% (@ 32 L/s) | 1 2 | A1, A2, A4, A5, A6 A2, A3, A4, A5, A6 | 3+ 3+ | |

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This product earned the ENERGY STAR by meeting set by Natural Resources Canada and the US EPA. This meets ENERGY STAR requirements only when used in Canada.



UNDERSTANDING THE DIFFERENCES

Heat recovery ventilators (HRV) are designed to keep heat in while moving stale air out. They feature a heat-exchange core that transfers heat from the outgoing stream of stale air to the incoming stream of fresh air. Heat recovery ventilators are ideal for:

- Reducing demand on HVAC systems and associated natural gas consumption and costs
- Improving ventilation which significantly enhances indoor air quality while reducing buildup of moisture, mildew, fungi and bacteria

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.

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.

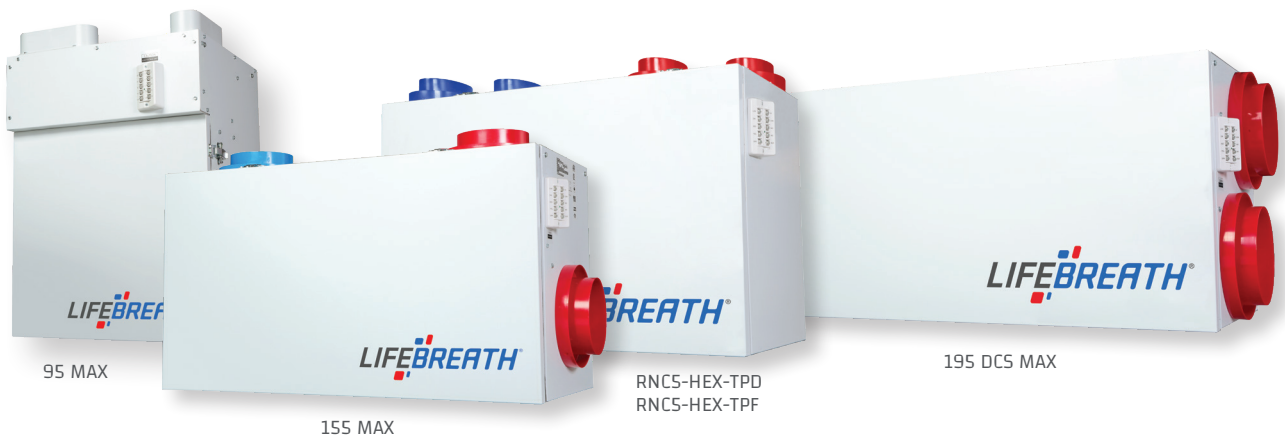
ONTARIO BUILDING CODE (OBC)

The new OBC for mechanical ventilation (section 9.32.3) requires the installation of and 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.

| 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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