

OBC QUALIFIED UNITS

| Model | Dimensions H x W x D (in.) | Airflow CFM (L/s) | | | Sensible Recovery Efficiency (SRE) @ 0°C | Sensible Recovery Efficiency (SRE) @ -25°C | Number of Ports (location) | Energy Star |
|--|--|-------------------|--------------|--------------|--|--|---|---|
| | | (50 PA) | (75 PA) | (100 PA) | | | | |
| MAX SERIES | | | | | | | | |
| 155 MAX 2019* | Recirculating Defrost 18.681 x 33.63 x 14.75 | 159 (75) | 148 (70) | 138 (65) | 85% 59 CFM (28 L/s) | 75% 64 CFM (30 L/s) | 6" round collars 2 top mounted 2 side mounted |  |
| 205 MAX | Recirculating Defrost 18.75 x 33.625 x 15 | 193 (91) | 182 (86) | 170 (80) | 85% 64 CFM (30 L/s) | 76% 64 CFM (30 L/s) | 5" oval collars 4 top mounted | NO |
| 267 MAX | Recirculating Defrost 18.75 x 33.625 x 15 | 271 (128) | 267 (126) | 261 (123) | 84% 64 CFM (30 L/s) | 75% 64 CFM (30 L/s) | 6" oval collars 4 top mounted | NO |
| 195 DCS | Damper Defrost 18.75 x 49 x 14.75 | 210 (99) | 193 (91) | 176 (83) | 91% 64 CFM (30 L/s) | 80% 64 CFM (30 L/s) | 6" round collars 4 side mounted | NO |
| RNC SERIES | | | | | | | | |
| RNC6-HEX-TPD | Recirculating Defrost 18.7 x 33.6 x 15.1 | 108 (51) | 104 (49) | 95 (45) | 85% 64 CFM (30 L/s) | 75% 64 CFM (30 L/s) | 5" oval collars 4 top mounted |  |
| RNC5-HEX-TPF | Fan Defrost 18.7 x 33.6 x 15.1 | 106 (50) | 97 (46) | 89 (42) | 82% 64 CFM (30 L/s) | 75% 64 CFM (30 L/s) | 5" oval collars 4 top mounted | NO |
| RNC 155 2019* | Recirculating Defrost 18.681 x 33.63 x 14.75 | 159 (75) | 148 (70) | 138 (65) | 85% 59 CFM (28 L/s) | 75% 64 CFM (30 L/s) | 6" round collars 2 top mounted 2 side mounted |  |
| RNC 205 | Recirculating Defrost 18.75 x 33.625 x 15 | 193 (91) | 182 (86) | 170 (80) | 85% 64 CFM (30 L/s) | 76% 64 CFM (30 L/s) | 6" oval collars 4 top mounted | NO |
|  ERV SERIES – Cold weather certified, no drains required. | | | | | | | | |
| 130 ERVD | Recirculating Defrost 17.25 x 22.75 x 14 | 161 (76) | 153 (72) | 144 (68) | 75% 89 CFM (42 L/s) | 65% (@ 37 L/s) | 5" oval collars 4 top mounted | NO |
| 170 ERVD | Recirculating Defrost 18.75 x 33.625 x 15 | 182 (86) | 172 (81) | 161 (76) | 75% 66 CFM (31 L/s) | 62% (@ 32 L/s) | 6" oval collars 4 top mounted |  |
| 180 ERVD | Recirculating Defrost 17.125 x 23.1 x 14.1 | 186 (88) | 178 (84) | 172 (81) | 77% 68 CFM (32 L/s) | 60% (@ 31 L/s) | 5" oval collars 4 top mounted |  |
| METRO XTR | Fan Defrost 22 x 26 x 10 | 150 (71) | 140 (66) | 127 (60) | 77% 64 CFM (30 L/s) | 63% (@ 33 L/s) | 6" round collars 4 side mounted | NO |
| MAX XTR | Fan Defrost 22 x 26 x 10 | 191 (90) | 184 (87) | 176 (83) | 84% 64 CFM (30 L/s) | 84% 64 CFM (30 L/s) | 6" round collars 4 side mounted | NO |
| 267 MAX ERV | Recirculating Defrost 18.75 x 33.625 x 15 | 286 (135) | 278 (131) | 271 (128) | 85% 64 CFM (30 L/s) | 77% 64 CFM (30 L/s) | 6" oval collars 4 top mounted | NO |

UNDERSTANDING THE DIFFERENCES

Heat Recovery Ventilators (HRV's) are designed to bring fresh outdoor air in while exhausting an equal amount of stale air to the outside. They feature a heat-exchange core that transfers heat from the outgoing stale air to the incoming fresh air in the winter and precools the incoming hot air in the summer. Your home receives a constant supply of fresh preconditioned air year-round.

Energy Recovery Ventilators (ERV's) possess the same heat transfer capabilities as HRVs and also have the ability to transfer moisture from one airstream to the other. In the summer a significant percentage of the incoming humidity is redirected back outside. This lowers the load on the A/C system. In the winter, the ERV controls the indoor humidity levels by exhausting a portion of the outgoing moisture. This can potentially lower the demand for humidification while maintaining a comfortable indoor environment. Lifebreath ERVs in this guide are cold weather certified for year-round use in Ontario. In most instances ERVs do not require a condensate drain.

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 efficiency.

Principal Ventilation Capacity

For simplified systems with bathroom fans.

Calculation method:

- Primary bedroom at 15 L/s (32 cfm)
- Add 7 ½ L/s (16 cfm) for each additional bedroom.

Total Ventilation Capacity

For a partially dedicated system with no bathroom fans

Calculation method:

- Add 5 L/s (10.6 cfm) per habitable room (do not count closets and mechanical rooms)
- Add 10 L/s (21.2 cfm) for primary bedroom and unfinished basement.

| TOTAL VENTILATION CAPACITY (TVC) | |
|---|--|
| F326 TVC | Minimum Ventilation Capacity L/s (CFM) |
| Primary bedroom | 10 L/s (21.2 cfm) |
| Basement | 10 L/s (21.2 cfm) |
| Single bedroom | 5 L/s (10.6 cfm) |
| Living room | 5 L/s (10.6 cfm) |
| Dining room | 5 L/s (10.6 cfm) |
| Family room | 5 L/s (10.6 cfm) |
| Recreation room | 5 L/s (10.6 cfm) |
| Other habitable rooms | 5 L/s (10.6 cfm) |
| Kitchen | 5 L/s (10.6 cfm) |
| Bathroom | 5 L/s (10.6 cfm) |
| Laundry room | 5 L/s (10.6 cfm) |
| Utility room | 5 L/s (10.6 cfm) |

