

**Bringing Compact to a New Level,
The Lifebreath METRO 120ERV**



- Designed for high-rise condos, apartments and townhomes with limited mechanical space
- Low profile, fits in bulk head and drop ceilings, slim height 9.75"
- 50-130 CFM operational range
- 3 High speed selection
- Brackets included for easy install
- No drains required
- Removable motor and electronic panel for easy maintenance and servicing
- Swing open e-box cover for quick access to circuit board and dip switches
- Convenient hinged door – no screws
- Outside air connections on same side of unit
- Optional ceiling mounted access panel (trim kit) available in 26" x 26" size

ENGINEERING DATA

Total Recovery Core

Cross-flow energy recovery core transfers heat and water vapor between two airstreams. Easily removed for cleaning or service.

Motors and Blowers

Each airstream has an independent centrifugal blower with multiple fan speed operations.

Filters

Washable air filters in exhaust and supply airstreams.

Mounting the ERV

Mounting brackets supplied.

Frost Prevention

Temperature sensor activated, periodically shuts down supply motor. Drains not required.

Case

20 gauge prepainted galvanized steel for superior corrosion resistance, insulated to prevent exterior condensation.

Installer Selectable High Speed Settings

Adjustable DIP switches are located on the circuit board, Hi3 is the factory setting. Refer to the installation manual for the adjustment instructions.

Electronics

Main control can be wall mounted in a central location. 3 wire 20 gauge (min.) 100 ft. length (max.)

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) | | ✓ | | ✓ |
| Humidity control through adjustable Dehumidistat | ✓ | ✓ | ✓ | |
| Large digital LCD screen | ✓ | | | |
| LED status indicator lights | | ✓ | ✓ | ✓ |
| Continuous Ventilation | ✓ | ✓ | ✓ | ✓ |
| 20 ON/40 OFF | ✓ | | ✓ | ✓ |
| 10 ON/50 OFF | ✓ | | | |
| 20/40/60 min. High speed override button | ✓ | | | |
| Compatible with 99-DET02 Wireless Timer | ✓ | ✓ | ✓ | ✓ |
| 3 wire connection | ✓ | ✓ | ✓ | ✓ |

TIMER OPTIONS

99-DET01

Lifebreath 20/40/60 Minute Timer

Initiates high speed Ventilation for 20,40 or 60 minutes. 3 wire connection.

99-DET02

Wireless Lifebreath 20/40/60 Minute Timer

Initiates high speed Ventilation for 20,40 or 60 minutes. Wirelessly connects to main control for ease of installation. 40 ft. approximate range.

**** Exclusive to Lifebreath ****

99-RX02

Wireless Lifebreath Repeater

Extends range of 99-DET02 Wireless Timers. Plugs into 120V power outlet. Wirelessly connects to main control and 99-DET02. Install at halfway point between timer and main wall control if timer is out of range.

Accessory Options

99-163 Duct Heater w/ Electronic SCR Thermostat—1 kW, 6 in (152 mm).

99-185 Weatherhoods—Two 5 in (127 mm).

99-190 Dual Hood—One 6 in (152 mm) opening for supply and exhaust.

Tested by: National Research Council

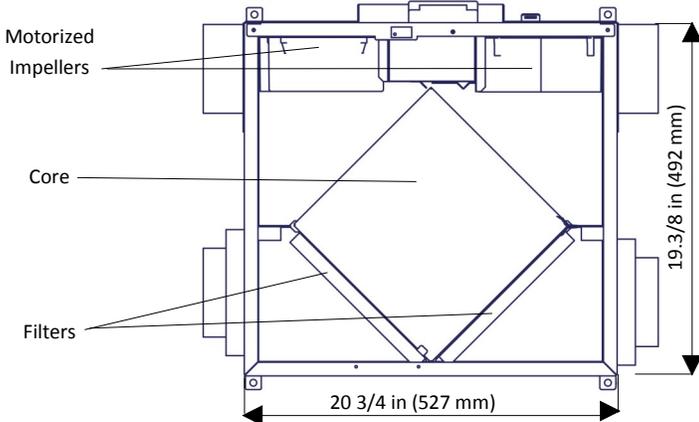
Program: Building Regulations for Market Access

Report Number: A1-007793, Report Date: 15 February 2016

Found to comply with requirement as set in the NBC

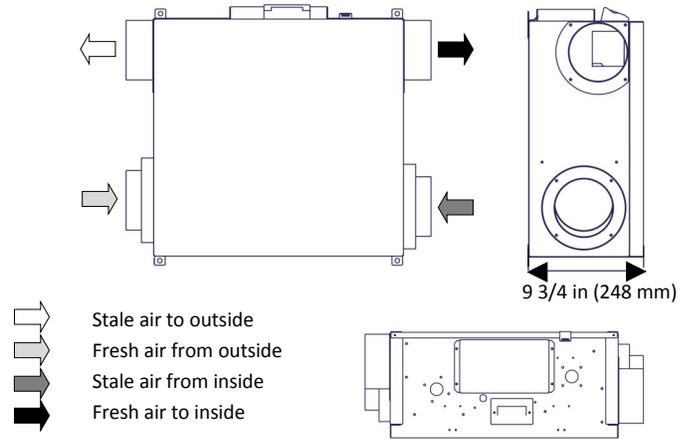
99-2626 Ceiling Mounted Access Panel For HRV and ERV with removable door. 26" x 26"

Dimensions



Note: Front clearance of 25 in (635 mm) is recommended for servicing unit. All ducts use 5 in (125 mm) round collars.

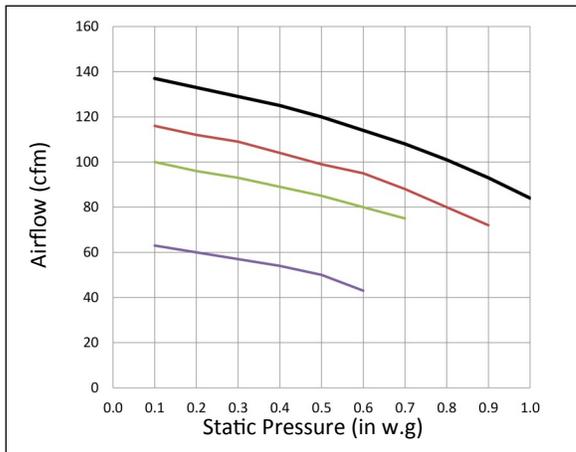
Weight: 34 lbs (15.5 kg) **Shipping Weight:** 36 lbs (16 kg)



Performance (HVI Certified)

| In. wg. (Pa) | 0.1 (25) | 0.2 (50) | 0.3 (75) | 0.4 (100) | 0.5 (125) | 0.6 (150) | 0.7 (175) | 0.8 (200) | 0.9 (225) |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | cfm (L/s) |
| Net Supply Airflow | 138 (65) | 133 (63) | 129 (61) | 125 (59) | 119 (56) | 114 (54) | 108 (51) | 102 (48) | 93 (44) |
| Gross Supply Airflow | 138 (65) | 136 (64) | 131 (62) | 127 (60) | 121 (57) | 117 (55) | 110 (52) | 102 (48) | 93 (44) |
| Gross Exhaust Airflow | 138 (65) | 133 (63) | 129 (61) | 125 (59) | 121 (57) | 114 (54) | 110 (52) | 104 (49) | 95 (45) |

| Electrical Specifications: | |
|----------------------------|-----|
| VAC @ 60Hz | 120 |
| Watts / Low Speed | 60 |
| Watts / High Speed | 154 |
| Amp Rating | 1.4 |



| | | |
|------------------------------------------------|-------------|-----|
| Sensible Effectiveness (ASE) @ 49 cfm (23 L/s) | 32°F (0°C) | 83% |
| Sensible Effectiveness (ASE) @ 64 cfm (30 L/s) | 32°F (0°C) | 79% |
| Sensible Efficiency (SRE) @ 49 cfm (23 L/s) | 32°F (0°C) | 72% |
| Sensible Efficiency (SRE) @ 64 cfm (30 L/s) | 32°F (0°C) | 71% |
| Total Efficiency (TRE) @ 64 cfm (30 L/s) | 95°F (35°C) | 45% |

Sensible Efficiency: Thermal
Total Efficiency: Moisture and Thermal @ 95°F (35°C)
Effectiveness: Based on temperature differential between the 2 airstreams
Efficiency: Takes into account all power inputs and leakage

WARRANTY Units carry a 5 year warranty on the ERV core and a 5 year replacement parts warranty.

Date: _____ Contractor: _____

Tag: _____ Qty: _____ Supplier: _____

Project: _____ Quote#: _____

Engineer: _____ Submitted By: _____

Control: _____ Timer: _____ Timer Qty: _____



All units conform to CSA and UL standards



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