METRO 120ERVD
ENERGY RECOVERY VENTILATOR

ENGINEERING DATA

TOTAL RECOVERY CORE
Cross-flow energy recovery core transfers heat and water vapor between two air-streams. Easily removed for cleaning or service.

MOTORS AND BLOWERS
Each airstream has an independent motorized impeller with multiple fan speed operation.

INTELLIGENT DEFROST DAMPER MOTOR
- Smart damper motor with integrated circuit board
- Energy efficient DC motor
- Power saving standby mode when not cycling
- Integrated ice breaker technology
- Temperature compensated torque for reliable operation in any application
- Auto-sensed memory storage of opened and closed positions
- Soft sealing for extended part life

FILTERS
Washable antimicrobial MERV 6 air filters in exhaust and supply air streams.

MOUNTING
Mounting brackets supplied

DEFROST
Temperature sensor activated, recirculating damper defrost.

CASE
Twenty gauge prepainted galvanized steel for superior corrosion resistance. Insulated to prevent exterior condensation.

INSTALLER SELECTABLE HIGH SPEED SETTINGS
Highest speed, "H3" is the factory setting. Installers may select a lower high speed on set up. See chart for airflows H1, H2, and H3.

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

OPTIONAL ACCESSORIES:

TechGrille
99-EAG4
99-EAG5
99-EAG6
99-EAG8

Terminator Fitting
99-TM4
99-TM5

Wireless 20/40/60 Min Timer
99-DET02

Dual Hood
99-190

Weather Hoods
99-185

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	✓	✓	✓	✓

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' approximate range. Excusive 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.

99-DXPL02

99-DET02

LIFEBREATH® Indoor Air Systems

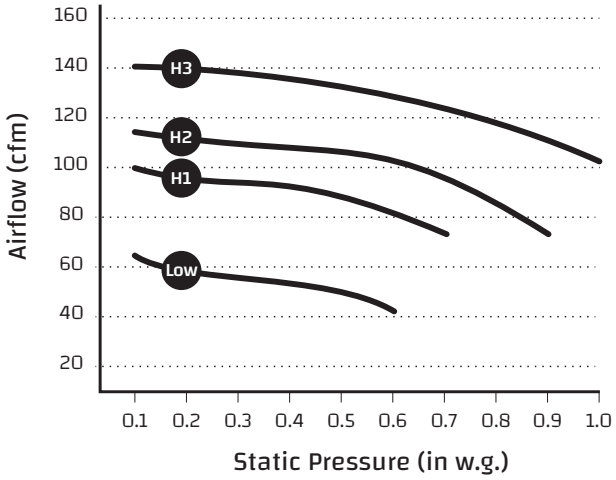
METRO 120ERVD
ENERGY RECOVERY VENTILATOR

PERFORMANCE (HVI CERTIFIED)

IN. W.G. (PA)	0.2 (50) CFM (L/s)	0.3 (75) CFM (L/s)	0.4 (100) CFM (L/s)	0.5 (125) CFM (L/s)	0.6 (150) CFM (L/s)	0.7 (175) CFM (L/s)	0.8 (200) CFM (L/s)	0.9 (225) CFM (L/s)
Net Supply Airflow	129 (61)	125 (59)	123 (58)	119 (56)	112 (53)	108 (51)	102 (48)	95 (45)
Gross Supply Airflow	131 (62)	127 (60)	123 (58)	119 (56)	114 (54)	108 (51)	104 (49)	95 (45)
Gross Exhaust Airflow	131 (62)	127 (60)	123 (58)	119 (56)	114 (54)	108 (51)	102 (48)	95 (45)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	62
Watts / High Speed	158
Amp Rating	1.4

Sensible Effectiveness (ASE) @ 49 CFM (23 L/s)	32°F (0°C)	83%
Sensible Efficiency (SRE) @ 49 CFM (23 L/s)	32°F (0°C)	73%
Sensible Efficiency (SRE) @ 64 CFM (23 L/s)	32°F (0°C)	72%
Sensible Efficiency (SRE) @ 53 CFM (25 L/s)	-13°F (-25°C)	54%
Total Efficiency (TRE) @ 64 CFM (30 L/s)	95°F (35°C)	44%

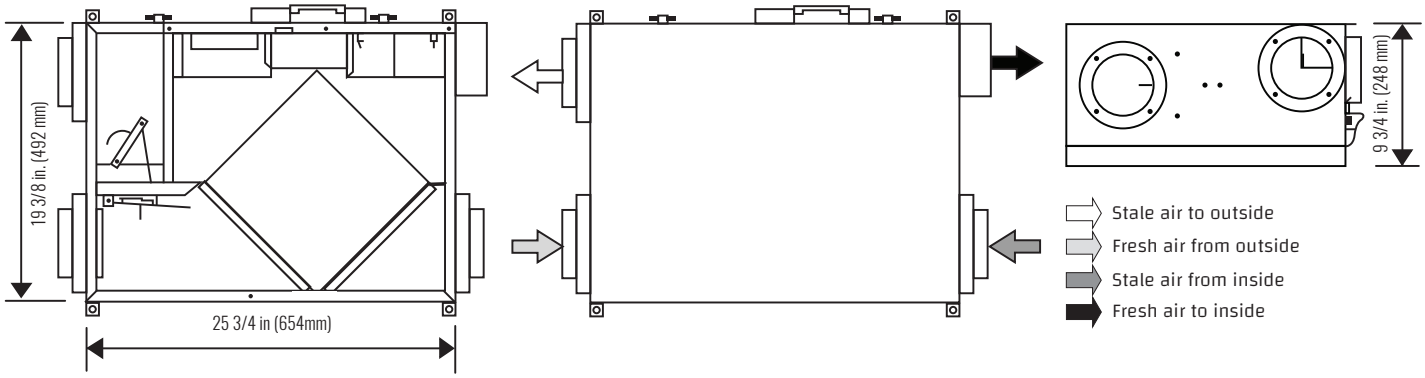


WEIGHT:
37 LBS (16.8 KG)

SHIPPING WEIGHT:
39 LBS (17.7 KG)

NOTE:
Front clearance of 25 in. (635 mm) is recommended for servicing unit.

DIMENSIONS



Date: _____ Contractor: _____

Tag: _____ Supplier: _____

Project: _____ Qty: _____ Quote #: _____

Engineer: _____ Submitted By: _____

Control: _____ Timer: _____ Timer Qty: _____

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

All units conform to CSA and UL standards

LIFEBREATH Indoor Air Systems