

METRO 120D-ECM

HEAT RECOVERY VENTILATOR



BRINGING COMPACT TO A WHOLE NEW LEVEL

- Designed for high-rise condos, apartments and townhomes with limited mechanical space
- Low profile, fits in bulkheads and drop ceilings, slim height 9.75 in. (plus 1 in. drain cup)
- 50-130 CFM operational range
- 5 High speed selections
- Brackets included for easy install
- Aluminum HEX Core for superior heat transfer
- Damper Defrost with intelligent features and ice breaker technology
- Multi-positional drain
- Removable motor and electronic assembly for easy maintenance and servicing
- Swing open e-box cover for quick access to circuit board and DIP switches
- Convenient hinged door – no screws

ENGINEERING DATA:

THERMALLY CONDUCTIVE, PATENTED ALUMINUM HEX CORE

Counter-flow heat recovery core transfers heat between two airstreams. It is easily removed for cleaning or service.

MOTORS AND BLOWERS

Each airstream has an independent centrifugal high efficiency ECM blower with multiple fan speed operation.

FILTERS

Washable MERV-6 air filters in exhaust and supply airstreams. Upgrade to MERV-13 option available.

MOUNTING

Mounting brackets supplied.

DEFROST

Intelligent defrost damper motor.

CASE

20 gauge pre-painted 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.)

OPTIONAL ACCESSORIES:

Dual Hood
99-190
99-194



Weather Hood
99-185
99-186
99-187



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



Terminator Fitting
99-TM4
99-TM5
99-TM6



LIFEBREATH CONTROL OPTIONS

FEATURES	99-DXPLO2	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 ft approximate range.

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-BC02



99-BC03



99-BC04



99-DET02



99-DET01



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HEAT RECOVERY VENTILATOR

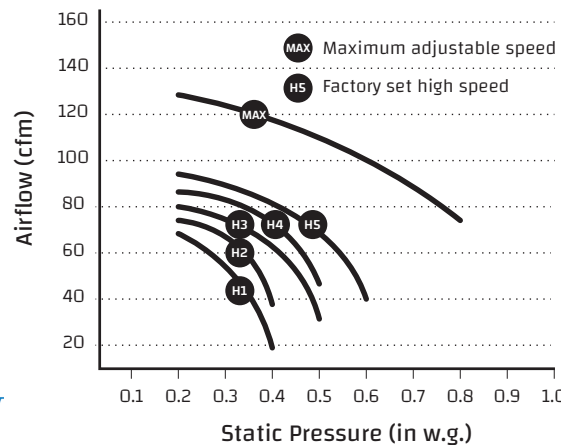


PERFORMANCE (HVI CERTIFIED)

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	127 (60)	121 (57)	114 (54)	108 (51)	100 (47)	89 (42)	76 (36)	59 (28)
Gross Supply Airflow	129 (61)	123 (58)	117 (55)	110 (52)	100 (47)	89 (42)	76 (36)	59 (28)
Gross Exhaust Airflow	123 (58)	117 (55)	112 (53)	108 (51)	100 (47)	89 (42)	74 (35)	53 (25)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	18
Watts / High Speed	42
Amp Rating	1.4

Sensible Effectiveness (ASE) @ 49 CFM (23 L/s)	32°F (0°C)	77%
Sensible Efficiency (SRE) @ 49 CFM (23 L/s)	32°F (0°C)	71%
Sensible Efficiency (SRE) @ 55 CFM (26 L/s)	32°F (0°C)	70%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	68%
Sensible Efficiency (SRE) @ 55 CFM (26 L/s)	-13°F (-25°C)	60%



WEIGHT:
40 LBS (18.7 KG)

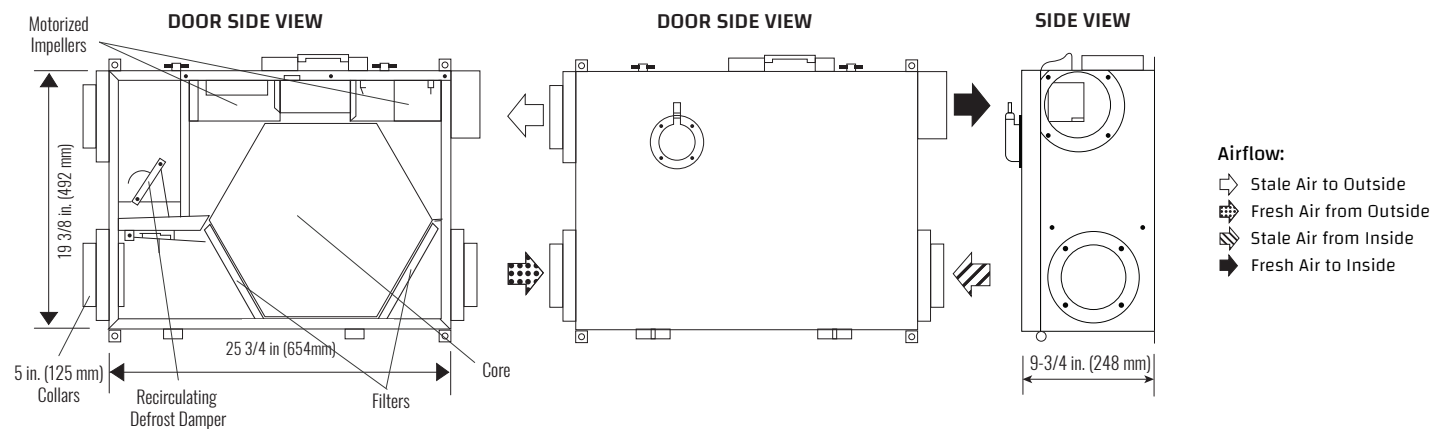
SHIPPING WEIGHT:
44 LBS (19.9 KG)

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



This product earned the ENERGY STAR® by meeting strict energy efficiency guidelines set by Natural Resources Canada and the US EPA. It meets ENERGY STAR® requirements only when used in Canada.

DIMENSIONS



Date: _____ Contractor: _____

Tag: _____ Supplier: _____

Project: _____ Qty: _____ Quote #: _____

Engineer: _____ Submitted By: _____

Control: _____ Timer: _____ Timer Qty: _____

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

All units conform to CSA and UL standards