

METRO 120F-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 bulkhead and drop ceilings, slim height 9.75 in. (plus 1 in. drain cup)
- 50-130 CFM operational range
- 3 High speed selections
- Brackets included for easy install
- Aluminum HEX Core for superior heat transfer
- Fan Defrost
- Multi-positional drain
- Removable motor and electronic assembly for easy maintenance and service
- 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
Supply air shuts off to defrost core with warm exhaust air at high speed.

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 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	✓	✓	✓	✓

*Recirculation features not available on fan defrost models.

TIMER OPTIONS

99-DET01 - 20/40/60 Minute Timer
Initiates high speed ventilation for 20, 40 or 60 minutes. 3 wire connection.

99-DET02 - 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 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



METRO 120F-ECM

HEAT RECOVERY VENTILATOR

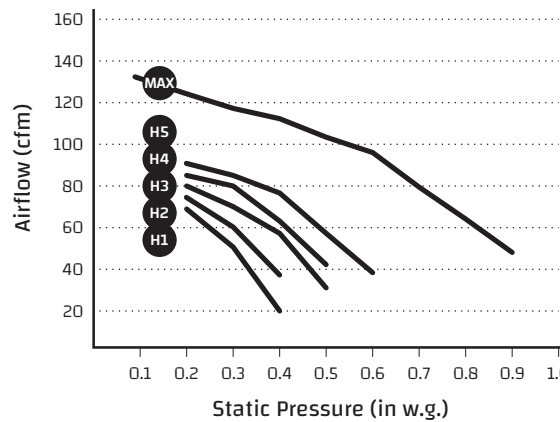


PERFORMANCE (HVI CERTIFIED)

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	123 (58)	117 (55)	110 (52)	102 (48)	93 (44)	81 (38)	68 (32)	51 (24)
Gross Supply Airflow	125 (59)	119 (56)	110 (52)	104 (49)	93 (44)	83 (39)	68 (32)	53 (25)
Gross Exhaust Airflow	112 (53)	106 (50)	100 (47)	93 (44)	85 (40)	74 (35)	61 (29)	47 (22)

ELECTRICAL SPECIFICATIONS	
VAC @ 60Hz	120
Watts / Low Speed	18
Watts / High Speed	40
Amp Rating	1.4

Sensible Effectiveness (ASE) @ 49 CFM (23 L/s)	32°F (0°C)	78%
Sensible Efficiency (SRE) @ 49 CFM (23 L/s)	32°F (0°C)	71%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	69%



WEIGHT:
34 LBS (15.5 KG)

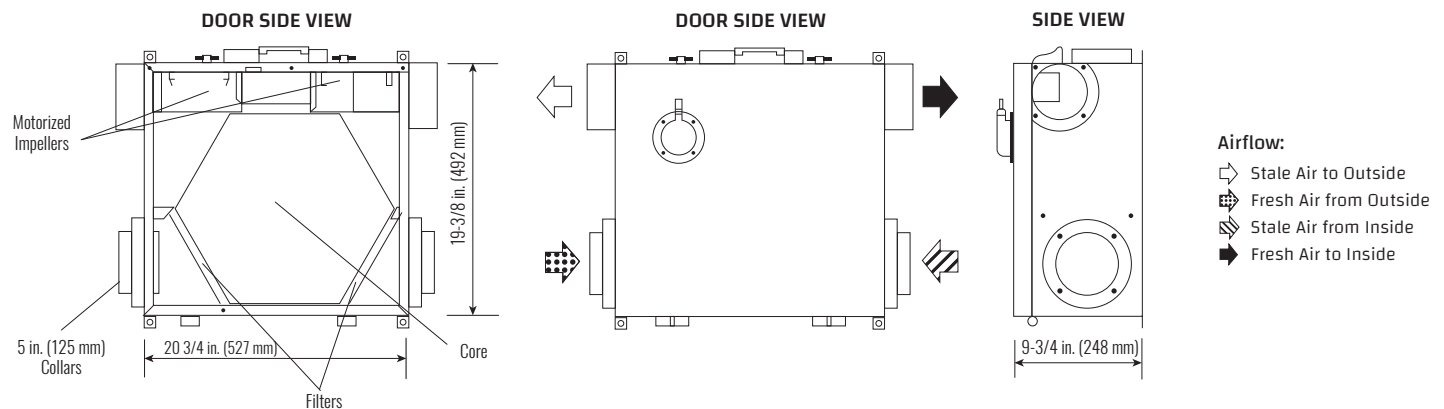
SHIPPING WEIGHT:
36 LBS (16 KG)

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

MERV 13 Upgrade: 65-195-6R



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