METRO 120ERV-ECM 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 independant centrifugal blower with ECM motor with multiple fan speed operations.

FILTERS

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

MOUNTING

Mounting brackets supplied

FROST PREVENTION

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

CASE

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

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 99-TM6



Wireless 20/40/60 **Min Timer** 99-DFT02



Dual Hood 99-190 99-194



Weather Hoods 99-185 99-186

99-187



LIFEBREATH CONTROL OPTIONS

FEATURES	99-DXPLO2	99-BCO2	99-BCO3	99-BCO4
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-DETO2 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.

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-RXO2 - Wireless Lifebreath Repeater

Extends range of 99-DETO2 Wireless Timers. Plugs into 120V power outlet. Wirelessly connects to main control and 99- DETO2. Install at halfway point between timer and main wall control if timer is out of range.





99-DXPLO2

99-DET02



METRO 120ERV-ECM ENERGY RECOVERY VENTILATOR



PERFORMANCE (HVI CERTIFIED)

IN. W.G. (PA)	0.1 (25) CFM (L/s)	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)
Net Supply Airflow	131 (62)	124 (58)	116 (55)	108 (51)	98 (46)	87 (41)	74 (35)	58 (27)
Gross Supply Airflow	132 (63)	125 (59)	118 (56)	109 (52)	100 (47)	88 (42)	75 (35)	59 (28)
Gross Exhaust Airflow	130 (61)	122 (57)	116 (55)	110 (52)	103 (49)	93 (44)	78 (37)	57 (27)

ELECTRICAL SPECIFICATIONS		
VAC @ 60Hz	120	
Watts / Low Speed	22	
Watts / High Speed	74	
Amp Rating	1.4	

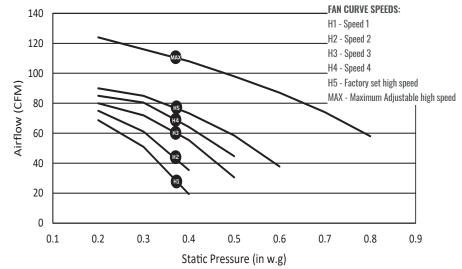
			WATTS/ CFM
Sensible Effectiveness (ASE) @ 50 CFM (23 L/s)	32°F (0°C)	80%	.440
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	71%	.406
Sensible Efficiency (SRE) @ 50 CFM (23 L/s)	32°F (0°C)	73%	.440
Total Efficiency (TRE) @ 50 CFM (23 L/s)	95°F (35°C)	52%	.440

WEIGHT: **57 LBS (25.8 KG)**

SHIPPING WEIGHT: **67 LBS (30 KG)**

NOTE:

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

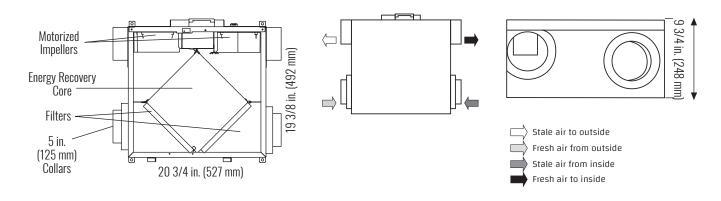








DIMENSIONS



Jate:	Contractor:
ag:	Supplier:
Project: Qty:	Quote#:
ingineer:	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

