

METRO 120 ERV-ECM-FID  
117 CFM @ 0.3 (75) IN. W.G. (PA)

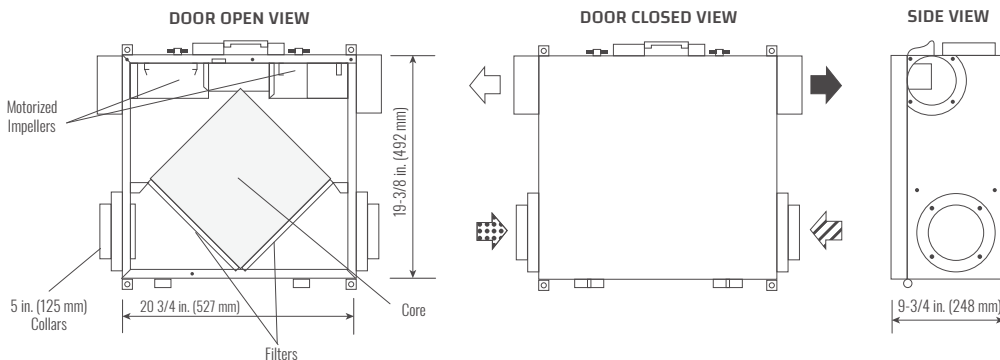


**BRINGING COMPACT  
TO A WHOLE NEW LEVEL**

- Designed for high-rise condos, apartments and townhomes with limited mechanical space
- Low profile, fits in bulkhead and drop ceilings, slim height 9.75"
- Flexible CFM operational range
- Brackets included for easy installation
- No drains required
- Removable motor and electronic assembly for easy maintenance and service
- Convenient hinged door – no screws

NOTE: Front clearance of 25 in. (635 mm) is recommended for servicing unit.  
All ducts use 5 in. (125 mm) round collars.  
All units conform to CSA and UL standards.

**DIMENSIONS**



**FEATURES**

**AUTO BALANCE**

DXPL03 control allows airflow to be selected for both supply and exhaust air streams. Live air pressure measurements enable automatic and continuous adjustment of fan speeds to ensure constant user selected airflow.

**FAULT INDICATION DISPLAY (FID)**

Title 24 Compliant. A FID enabled HRV or ERV is capable of displaying error codes for certain types of faults which impact operation of the system.

**TOTAL RECOVERY CORE**

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

**MOTORS AND BLOWERS**

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

**MERV 6 FILTERS**

Washable air filters in exhaust and supply airstreams.  
MERV 13 Upgrade: 65-195-6R.

**MOUNTING**

Mounting brackets supplied for ceiling installation.

**DEFROST**

Supply air shuts off to defrost core with warm exhaust air at high speed. Drains not required.

**CASE**

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

**ELECTRONICS**

The optional control can be wall mounted in a central location of the home. 3 wire 20 gauge (min.) 100 ft length (max.).

**OPTIONAL FEATURES**

Hardwired and mirrored configurations are available.

**Standard Airflow:**

- ⇨ Stale Air to Outside
- ⇦ Fresh Air from Outside
- ⇨ Stale Air from Inside
- ⇦ Fresh Air to Inside

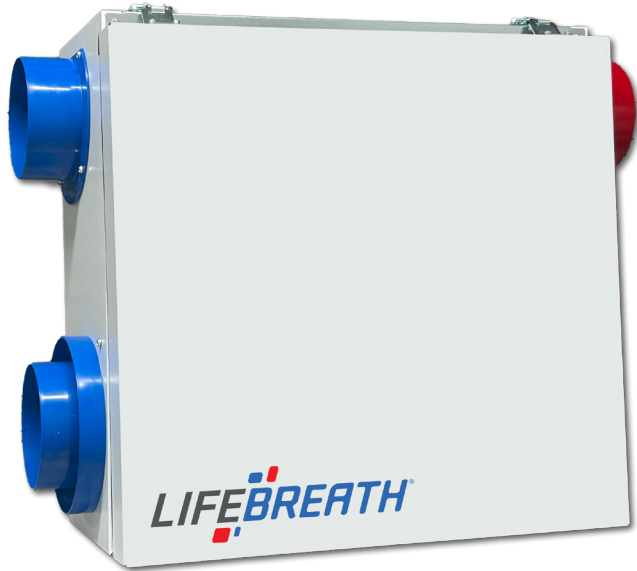
**Mirrored Airflow:**

- ⇨ Fresh Air to Inside
- ⇦ Stale Air from Inside
- ⇨ Fresh Air from Outside
- ⇦ Stale Air to Outside

**Weight: 34 lbs (15.5 KG) • Shipping Weight: 36 lbs (16 KG)**

# LIFEBREATH<sup>®</sup> METRO 120 ERV-ECM-FID

Indoor Air Systems ENERGY RECOVERY VENTILATOR



## SPECIFICATIONS

<b>MODEL:</b>	<b>METRO 120 ERV-ECM-FID</b>
<b>VOLTAGE:</b>	120 V
<b>FREQUENCY:</b>	60 Hz
<b>WATTS @ 49 CFM (23 L/S):</b>	22 W
<b>CURRENT:</b>	1.4 A
<b>AIRFLOW @ 0.3:</b>	117 CFM
<b>WEIGHT:</b>	34 lbs / 15.5 kg
<b>DRAIN:</b>	No
<b>MCA:</b>	2.0 A
<b>MOP:</b>	15 A
<b>WARRANTY:</b>	Units carry a 5 year warranty on the ERV core and a 5 year replacement parts warranty.



## PERFORMANCE

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)
<b>Net Supply Airflow</b>	123 (58)	117 (55)	108 (51)	97 (46)	87 (41)	74 (35)	57 (27)	40 (19)
<b>Gross Supply Airflow</b>	125 (59)	119 (56)	110 (52)	100 (47)	89 (42)	74 (35)	59 (28)	40 (19)
<b>Gross Exhaust Airflow</b>	121 (57)	117 (55)	110 (52)	104 (49)	93 (44)	78 (37)	57 (27)	28 (13)

**Sensible Effectiveness (ASE)  
@ 49 CFM (23 L/s)**      32°F (0°C)      79%

**Sensible Efficiency (SRE)  
@ 49 CFM (23 L/s)**      32°F (0°C)      72%

**Total Efficiency (TRE)  
@ 49 CFM (23 L/s)**      95°F (35°C)      51%

