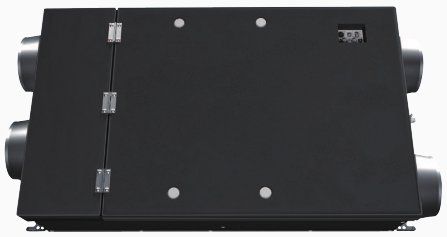
# LGH-F110MXR-E
# LOSSNAY® ENERGY RECOVERY INDOOR UNIT

| | | | |
|---|---|---|---|
| **Job Name:** | | | |
| **System Reference:** | | **Date:** | |



## GENERAL FEATURES

- HVI certification: Ducted residential Lossnay units are listed in the Home Ventilating Institute (HVI) Certified Ratings Program, providing independent verification of performance metrics for the units, such as air flow performance and effectiveness in transferring heat or energy.
- Control method variety: Flexible control options include Mitsubishi Electric controls, M-NET compatibility, third-party thermostats, air handler interlocking, and dry contact and wet contact control options. This variety of control options allows for a customizable and user-friendly experience.
- Flexible installation: Residential ducted Lossnay is lightweight and compact to offer flexible installation, transportation, and storage. They can be mounted between joists, fixed to ceiling, suspended from ceiling, or horizontally wall mounted.
- Constant airflow: Residential ducted Lossany units provide constant airflow by automatically adjusting the fan rotational speed to maintain the selected airflow when static pressure changes occur. This simplifies ventilation installation, servicing and design work.
- Optional $CO_2$ sensor control: Optional $CO_2$ sensor control allows ducted residential Lossnay units to automatically adjust airflow based on indoor $CO_2$ levels. The fan speed is adjustable between 25% and 100% and can be set to boost or linearly correlate with the $CO_2$ concentration.
- Advanced filter options: Residential ducted Lossnay has a MERV 10 filter included and MERV 14 filter optional accessory.
- Independent airflow control: The airflow of the supply and exhaust fan can be independently set enabling the Lossnay to provide balanced ventilation or positive/negative pressurization.

| SPECIFICATIONS | | | SYSTEM |
|---|---|---|---|
| UNIT TYPE | | | LGH-F110MXR-E |
| Indoor Unit | Capacity | CFM | 110 |
| | Heat Exchange System | | Air-to-Air Energy Recovery Ventilator |
| | Energy Transfer Mechanism | | Lossnay Core |
| | Heat Exchange Material | | Special Treated Paper Cross-Flow Core |
| | Entering Air Temperature Operation Range | °F | -13 to 104 |
| | External Finish | | Galvanized Steel and Insulation |
| | Unit Dimensions (W x D x H) | inch x inch x inch [ mm x mm x mm ] | 19-13/16 x 39-1/16 x 9-1/2 [ 503 x 991 x 241 ] |
| | Package Dimensions (W x D x H) | inch x inch x inch [ mm x mm x mm ] | 22-3/16 x 42-11/16 x 10-7/8 [ 563 x 1084 x 276 ] |
| | Unit Weight | lbs [ kg ] | 40 [ 18 ] |
| | Package Weight | lbs [ kg ] | 49 [ 22.1 ] |
| | Included Filter Type | | MERV 10 |
| | Sound Pressure Level | dB(A) | 23.50 - 24.50 - 25 |
| Electrical | Power Source | V AC / V AC , ø , Hz | 120V / 120V , 1 , 60 |
| | Power Consumption | W | 25 - 33 - 50 |
| | Maximum Current | A | 1.1 |
| Fan | Fan Motor Type | | EC Motor |
| | Airflow Rate[1] | CFM | 40 - 70 - 110 |
| | External Static Pressure[2] | in.WG | 0.4 |
| | Specific Fan Power | W/CFM | 0.63 - 0.47 - 0.45 |
| Exchange Efficiency[3] | Temperature Exchange Efficiency - Heating | % | 90 - 80 - 75 |
| | Temperature Exchange Efficiency - Cooling | % | 80 - 71 - 67 |
| | Enthalpy Exchange Efficiency - Heating | % | 84 - 70 - 64 |
| | Enthalpy Exchange Efficiency - Cooling | % | 71 - 60 - 53 |
| HVI (32°F OA, 51 CFM)[4] | Sensible Recovery Efficiency | % | 78 |
| | Adjusted Sensible Recovery Efficiency | % | 81 |
| | Average Power | W | 19 |
| | Net Moisture Transfer | | 0.75 |
| HVI (32°F OA, 74 CFM)[4] | Sensible Recovery Efficiency | % | 72 |
| | Adjusted Sensible Recovery Efficiency | % | 74 |
| | Average Power | W | 24 |
| | Net Moisture Transfer | | 0.58 |
| HVI (32°F OA, 102 CFM)[4] | Sensible Recovery Efficiency | % | 68 |
| | Adjusted Sensible Recovery Efficiency | % | 70 |
| | Average Power | W | 34 |
| | Net Moisture Transfer | | 0.54 |

**Notes**

[1]Airflow is selectable between 40-110 CFM in increments of 10CFM.
[2]This value is measured at 110 CFM. Maximum static pressure varies based on the selected airflow. Please refer to the product specification sheet for the fan curve.
[3]These specifications were measured using ISO 16494-1 testing standards. Heating: OA 35.6/33.8°F (DB/WB), RA 69.8/57.2°F (DB/WB); Cooling: OA 95/75.2°F (DB/WB), RA 77/64.4°F (DB /WB).
[4]These specifications are certified and tested by HVI.

# INDOOR UNIT SPECIFICATIONS: LGH-F110MXR-E

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|---|---|---|---|
| HVI (-13°F OA, 72 CFM)[4] | Sensible Recovery Efficiency | % | 56 |
| | Adjusted Sensible Recovery Efficiency | % | 57 |
| | Average Power | W | 22 |
| | Net Moisture Transfer | | 0.42 |
| HVI (-13°F OA, 49 CFM)[4] | Sensible Recovery Efficiency | % | 62 |
| | Adjusted Sensible Recovery Efficiency | % | 63 |
| | Average Power | W | 16 |
| | Net Moisture Transfer | | 0.55 |
| HVI (95°F OA, 51 CFM)[4] | Sensible Recovery Efficiency | % | 70 |
| | Adjusted Sensible Recovery Efficiency | % | 72 |
| | Average Power | W | 20 |
| | Net Moisture Transfer | | 0.71 |

**Notes**

[1]Airflow is selectable between 40-110 CFM in increments of 10CFM.
[2]This value is measured at 110 CFM. Maximum static pressure varies based on the selected airflow. Please refer to the product specification sheet for the fan curve.
[3]These specifications were measured using ISO 16494-1 testing standards. Heating: OA 35.6/33.8°F (DB/WB), RA 69.8/57.2°F (DB/WB); Cooling: OA 95/75.2°F (DB/WB), RA 77/64.4°F (DB/WB).
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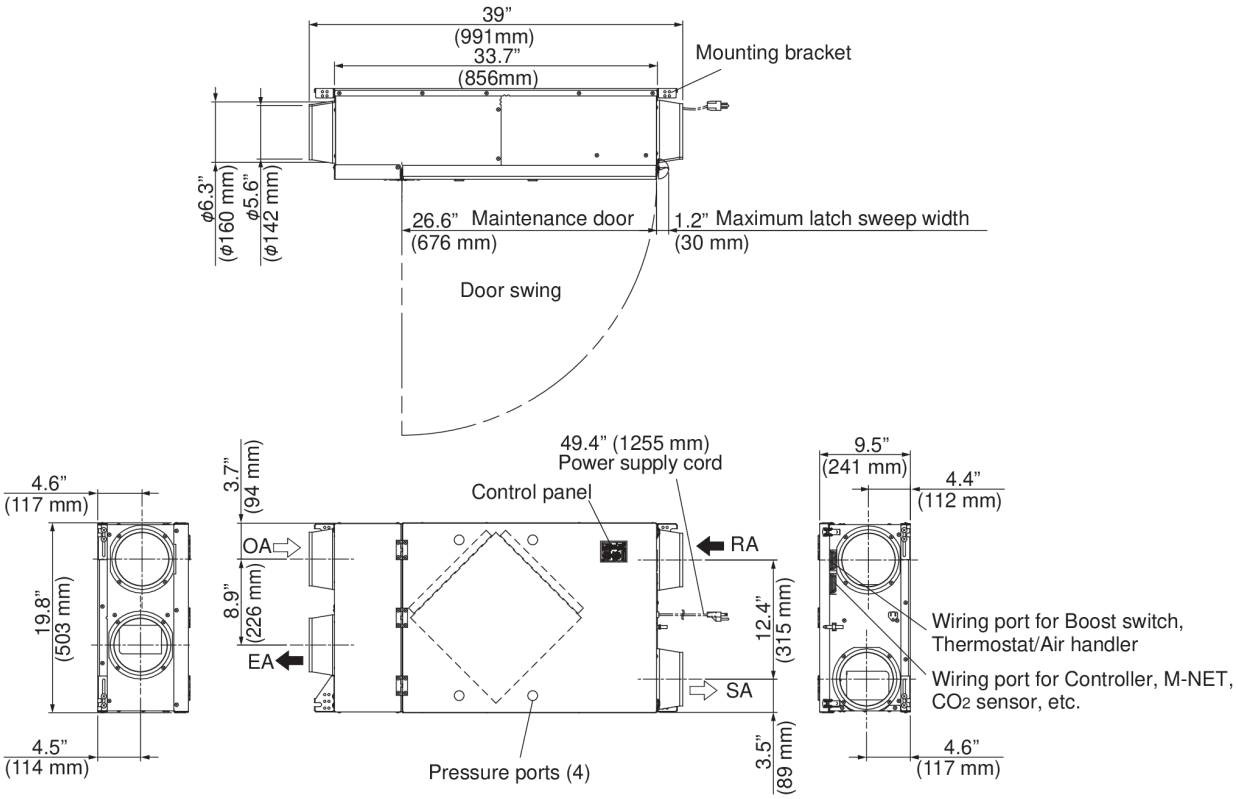
# INDOOR UNIT ACCESSORIES: LGH-F110MXR-E

| | | |
|---|---|---|
| Filter | MERV 14 Filter | ☐ PZ-F110MF-E |
| | Standard MERV 10 Filter | ☐ PZ-F110RF-E |
| Remote Sensor | CO2 Sensor, Wall Mount | ☐ PZ-70CSW-E2 |
| | CO2 Sensor, Duct Mount | ☐ PZ-70CSD-E2 |
| Wired Remote Controller | Lossnay ERV Remote Controller | ☐ PZ-62DR-EA |
| **Notes** | | |


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# INDOOR UNIT DIMENSIONS: LGH-F110MXR-E

## LGH-F110MXR-E




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