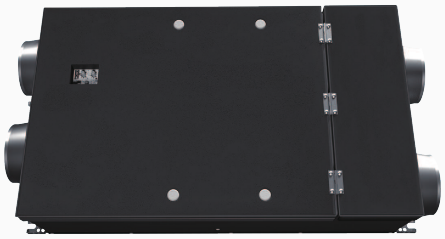
LGH-F110MXL-E
LOSSNAY® ENERGY RECOVERY INDOOR UNIT

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-F110MXL-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 39-8/16 x 9-8/16 [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 10-14/16 [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-F110MXL-E

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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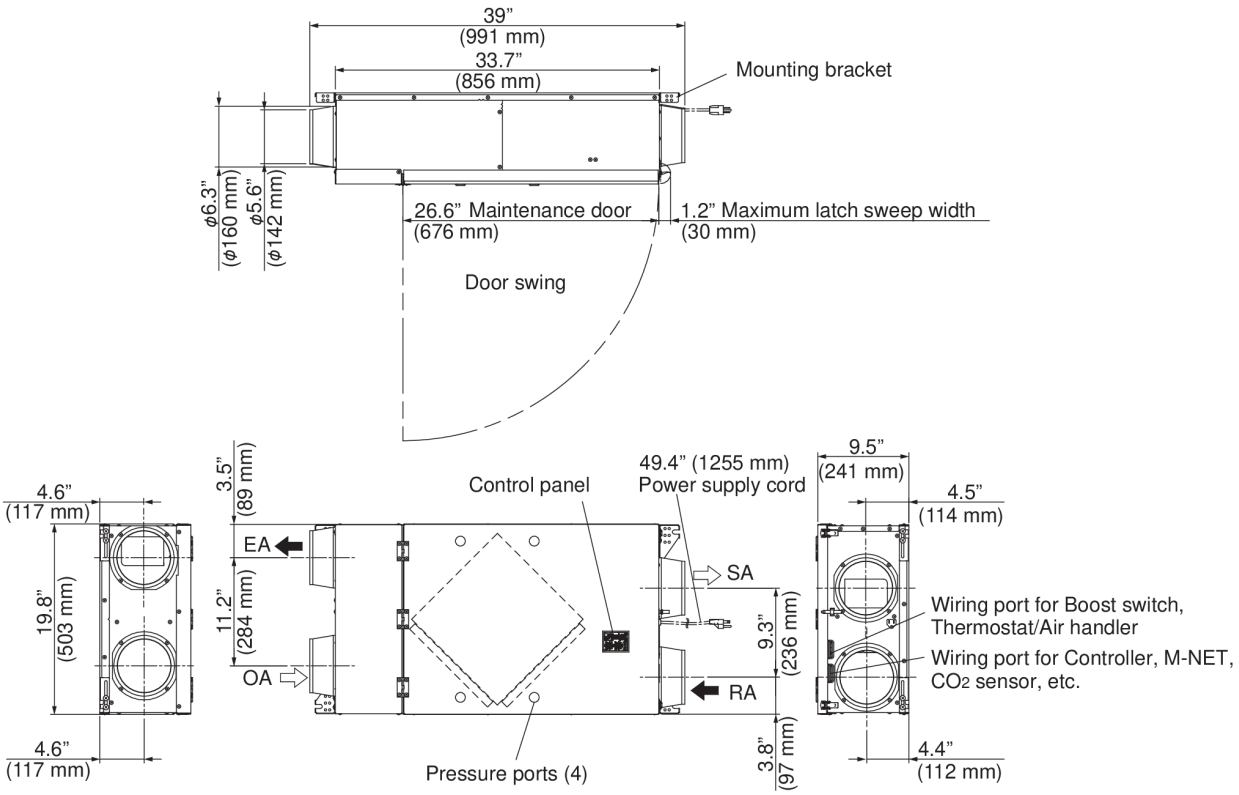
INDOOR UNIT ACCESSORIES: LGH-F110MXL-E

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-F110MXL-E

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1340 Satellite Boulevard Suwanee, GA 30024
Toll Free: 800-433-4822 · mitsubishicomfort.com

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Specifications are subject to change without notice.

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