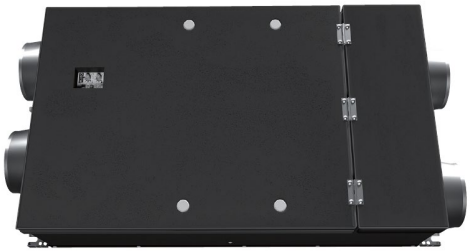
Submittal Data: LGH-F110MXL-E

MITSUBISHI ELECTRIC
Heating and Cooling

Job Name:		Location:	
Purchaser:		Submitted By:	
Submitted To:		Engineer:	
Date:		Application:	

☐ Reference ☐ Approval ☐ Construction



Reference Image
Please be sure to review the drawing

General Features:

- Slim and compact design
- Airflow range from 40 to 110 CFM (10 cfm increments) via dials with boost control
- Independent airflow setting for supply air and room air
- Self air-balancing feature ensuring precise airflow settings
- Efficient power consumption: 50 W at 110 CFM
- Compatible with Mitsubishi M-Net control (PAR Controller, Centralized Controllers), A-Control, and other flexible 3rd party control options
- 24VAC/DC or 12VDC external input to ON/OFF control
- Standard MERV 10 filter; optional MERV 14 filter available
- Compatible with Mitsubishi CO_2 sensors
- Horizontal or wall-mounted installation options

Model	LGH-F100MXL-E
Heat exchange system	Energy recovery ventilating system
Heat exchanger	Special treated paper plate heat exchanger
External finish	Galvanized sheet metal and insulation
Motor	EC motors
Filter	Standard MERV 10 filter and optional MERV 14 filter
Surrounding air condition	Between 32°F (0°C) and 104°F (40°C), 80%RH or less
Suction air condition	Lower than 104°F (40°C), 80%RH; Avoid direct vapor intake (ie. bathroom)
Electrical power supply	3-prong power supply cable
Electrical input	120V / 60Hz 1 minute
Maximum current	1.1 A
Weight	39 lbs (18 kg)
Dimension	241 mm x 503 mm x 991 mm (9.5" x 19.8" x 39")
Remote Controller	PZ-62DR-EA
Standard MERV10 Filter	PZ-F110RF-E
Optional MERV14 Filter	PZ-F110MF-E
Wall Mounted CO_2 Sensor	PZ-70CSW-E2
Duct Mounted CO_2 Sensor	PZ-70CSD-E2

Airflow	CFM (L/s)	110 (52)	70 (33)	40 (19)
External static pressure	in.w.g. (Pa)	0.4 (100)	0.4 (100)	0.4 (100)
Input power	W	50	33	25
Specific fan power	W/cfm	0.45	0.47	0.63
Temp exchange efficiency (Heating)	%	75	80	90
Temp exchange efficiency (Cooling)	%	67	71	80
Enthalpy exchange efficiency (Heating)	%	64	70	84
Enthalpy exchange efficiency (Cooling)	%	53	60	71
Noise (Sound pressure level) measured 1.5 meter from unit	dB(A)	25	24.5	23.5

*reference ISO 16494-1; Heating 2/1 °C (DB/WB) OA ,21/14 °C (DB/WB) RA; Cooling 35/24 °C (DB/WB) OA, 25/18 °C (DB/WB) RA
** not HVI Rating

Notes:

1. Please be sure to confirm airflow direction
2. All electrical work shall comply with National (CEC) and local codes and regulations
3. Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases.
4. Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved accessories. Use of non-MESCA supported accessories will affect warranty coverage.

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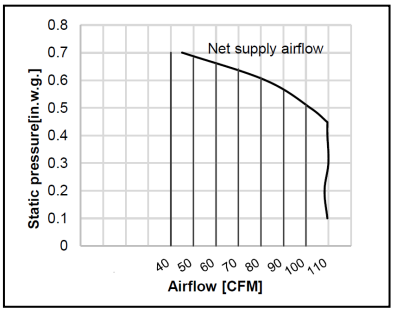
	Supply Temp (°F/°C)	Net Outdoor Airflow (cfm/ L/s)	Average Power (W)	Sensible Recovery Efficiency (%)	Adjusted SRE (%)	Net Moisture Transfer
Heating	32 (0)	51 (24)	19	78	81	0.75
Heating	32 (0)	74 (35)	24	72	74	0.58
Heating	32 (0)	102 (48)	34	68	70	0.54
Heating	-13 (-25)	72 (34)	22	56	57	0.42
Heating	-13 (-25)	49 (23)	16	62	63	0.55
	Supply Temp (°F/°C)	Net Outdoor Airflow (cfm/ L/s)	Average Power (W)	Total Recovery Efficiency (%)	Adjusted SRE (%)	Net Moisture Transfer
Cooling	95 (35)	51 (24)	20	70	72	0.71

External Static Pressure		0.1 (25 Pa)	0.2 (50 Pa)	0.3 (75 Pa)	0.4 (100 Pa)	0.5 (125 Pa)	0.6 (150 Pa)	0.7 (175 Pa)
Net supply airflow	CFM	110	108	110	110	102	83	44
Net supply airflow	L/s	52	51	52	52	48	39	21
Gross supply airflow	CFM	110	110	110	110	104	83	47
Gross supply airflow	L/s	52	52	52	52	49	39	22
Gross exhaust airflow	CFM	110	108	110	112	108	89	49
Gross exhaust airflow	L/s	52	51	52	53	51	42	23

*reference CAN/CSA-C439-18



HVI 2100 CERTIFIED

Intertek

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