

Heat exchange system		Energy recovery ventilating system				
Heat exchanger (Lossnay core)		Special treated paper plate heat exchanger				
Cladding		Galvanized steel sheet				
Motor		EC motor				
Filter		Non-woven fabrics filter (ISO 16890 Coarse 60%)				
Surrounding air condition		0°C to 40 °C, 80%RH or less				
Suction air condition		Lower than 40°C, 80%RH.				
Supply fan operation under low outdoor temperature		-10°C to -15°C : Intermittent operation 60 min ON, 10 min OFF -15°C or less : Sensing operation 55 min OFF, 5 min ON				
Weight		20kg				
Electrical power supply		220-240V/50Hz, 220V/60Hz				
Fan speed		4	3	2	1	Test condition
Default Airflow setting		100%	75%	50%	25%	
Input power [W]		55	30	15	10	ISO 16494-1: 2022
Airflow	[m³/h]	150	113	75	38	
	[L/s]	42	31	21	10	
Specific fan power [W/(L/s)]		1.32	0.96	0.72	0.96	
External static pressure [Pa]		120	68	30	8	
Temp. exchange efficiency [%]	Heating	73.5	75.5	78.0	81.5	
	Cooling	65.5	70.5	73.5	78.0	
Enthalpy exchange efficiency [%]	Heating	70.5	73.5	76.5	80.5	
	Cooling	52.5	57.0	61.0	68.0	
Noise [dB]		27.0	22.0	18.0	17.0	A-weighted sound pressure level
Exhaust Air Transfer Ratio [%]		5.0				EN308: 2022 / FS3
External leakage [%]		5.0				EN13141-7: 2021 / reference flow rate
Specific energy consumption class		A				
Insulation resistance		10MΩ or more				
Dielectric strength		AC 1000V 1 minute				
Maximum current [A]		0.57				

1. The input power, the efficiency and the noise are based on the rating air volume, 230V/50Hz and horizontal installation. Noise (A-weighted sound pressure level) is measured 1.5m off from the center of the unit in an anechoic chamber.
2. Heat recovery ventilation mode starts automatically while detecting OA temperature lower than 8°C, even Bypass mode is selected. Remote controller continues to display "Bypass ventilation" in this case.
3. Do not use the booster fan to exceed airflow rate/pressure shown in Q-H diagram of the unit.
4. It is prohibited to use the unit where salt, sulphur or hot spring steam damage is expected.
5. Do not use with acid, alkalis, organic solvent, oil mist, paint, or harmful gas as pesticide, corrosive gas, etc.
6. In cold area or strong wind area, outdoor air may enter the unit because of the pressure difference or external wind even when the unit stops. It is recommended to install an electrically damper to block outdoor air in such cases.
7. Avoid to install air inlets and outlets where insects are likely to gather like a place near interior or exterior lights. In that case, select hoods or louvers which have repellent net.

SPECIFICATIONS	DATE	TYPE MODEL	CEILING RECESSED LOSSNAY	
	25-Jan-23		LGH-15RVX3-E	
MITSUBISHI ELECTRIC CORPORATION		NUMBER	N22HHGU0001	1/4