

Attention

- 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.
- 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 may be subject to change without notice.				
SPECIFICATIONS	DATE	TYPE	CEILING RECESSED LOSSNAY	
	24-Oct-23	MODEL	LGH-80RVX3-E	
MITSUBISHI ELECTRIC CORPORATION		NUMBER	N22HHGU0006A	1/4



11. When RA duct is not installed and RA is suctioned directly from the unit surrounding space, a repellent net is necessary for the RA inlet to prevent large size dust or something from intruding into the unit.

12. Take precautions when using the product in a quiet location.

13. Do not use under high temperature and humidity condition. Condensation will occur and water will gather inside

the Lossnay cores under high temperature and humidity condition, such as warm swimming pool, bathroom, greenhouse or foggy place.

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OUTLINE DRAWINGS	DATE		CEILING RECESSED LOSSNAY	
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■Caution for electrical work

- 1. Make sure to ground and install an all-pole electrical leakage isolator securely.
- Select proper circuit breaker according to the electrical current on the 1st page. Always use a current leakage breaker that is compatible with higher harmonics as this unit is equipped with an inverter. The use of an inadequate breaker can cause the incorrect operation of inverter.
- 3. Perform electrical installation to meet appropriate regulations and standards.
- 4. Always use double insulated cable for the transmission cables.
- 5. Wiring work must be performed by qualified professionals.
- 6. All supply circuits must be disconnected before obtaining access to the terminal devices.
- When only Lossnay units are used in M-NET, power supply unit is required to connect to centralized controller. Number of power supply units or the transmission boosters should correspond with the connected Lossnay units.
- In the case of installing a duct heater interlocked with Lossnay, be sure to observe the following:
 ①Choose a OA pre-heater which can control the heater outlet air temperature even both the air flow is maximum and minimum. Otherwise it could fall the supply fan into intermittent operation.
 - Select a duct heater in compliance with local and national laws, ordinances, and standards.
 - Select a duct heater that is tested by a certification body.
 - 3 Always select a heater that is equipped with a non-self-resetting safety device.
 - (4) Do not directly supply power from the Lossnay unit to the duct heater. Doing so could cause fire.
 - (5) Install a circuit breaker for the duct heater in compliance with all applicable laws, ordinances, and standards.
 - (6) Install the duct heater separated from the product by a distance of 2 m or more.
 - ⑦ Ensure that the duct heater and Lossnay are wired and that the Lossnay function settings have been configured, and then always check operation by trial operation.
- 9. With this product, the wiring installation method will vary according to the design of the system. Refer to the installation manual for more detail.

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Maintenance and lifetime

Remove all dust and dirt on air filters and Lossnay cores at regular intervals to prevent from a deterioration in the Lossnay function.

Refer to each model's operation instructions for the suggested maintenance period and methods. General indication of lifetime of the main parts is as below. Time below is unrelated to guaranteed period for service. And parts exchange period varies with usage condition.

Lossnay cores	: Around 10 years with maintenance at stated periods.
Air Filters	: Around 5 years with maintenance at stated periods
High efficiency filters	: 3,000 hours
Motor	: 30,000 hours
Circuit board	: 25,000 hours
Thermistor	: Around 5 years

■Other notes

Refer to each model's operation instructions for the suggested maintenance period and methods. General indication of lifetime

of the main parts is as below. Time below is unrelated to guaranteed period for service. And parts exchange period varies with usage condition.

Measurements by pitot tube on site could be as much 20% difference from JIS test room conditions. If the measuring point is

close to sources of turbulence like bends, contractions and dampers etc., it is difficult to measure air volume correctly. A straight duct length more than 10D (D=duct diameter) from the source of turbulence is recommended for correct measurement. On-site measurement should therefore be measured in accordance with BSRIA guideline (Commissioning Air

Systems. Application procedures for buildings AG3/89.3(2001)).

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SAFITINOTES	24-Oct-23	MODEL	LGH-80RVX3-E	
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