

MODEL		LGH-50RVX3-E				SIGN	
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		33kg					
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]		185	81	34	15	ISO 16494-1: 2022	
Airflow	[m³/h]	500	375	250	125		
	[L/s]	139	104	69	35		
Specific fan power [W/(L/s)]		1.33	0.78	0.49	0.43		
External static pressure [Pa]		150	85	38	10		
Temp. exchange efficiency [%]	Heating	70.5	71.5	73.5	75.0		
	Cooling	63.5	67.0	71.0	73.0		
Enthalpy exchange efficiency [%]	Heating	68.5	69.5	72.0	73.0		
	Cooling	51.5	55.0	60.0	65.0		
Noise [dB]		35.0	27.0	21.0	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]		1.86					

■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.
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 may be subject to change without notice.

SPECIFICATIONS	DATE	TYPE	CEILING RECESSED LOSSNAY	
	25-Jan-23	MODEL	LGH-50RVX3-E	
MITSUBISHI ELECTRIC CORPORATION		NUMBER	N22HHGU0004	1/4