Ventilation | Product Information

LGH-RVS-E

Commercial Series

The **LGH-RVS-E** is designed to simultaneously extract stale air from a commercial building and supply fresh filtered air. Whilst doing this the Lossnay units also recover valuable heat energy for maximum efficiency.

Key Features & Benefits:

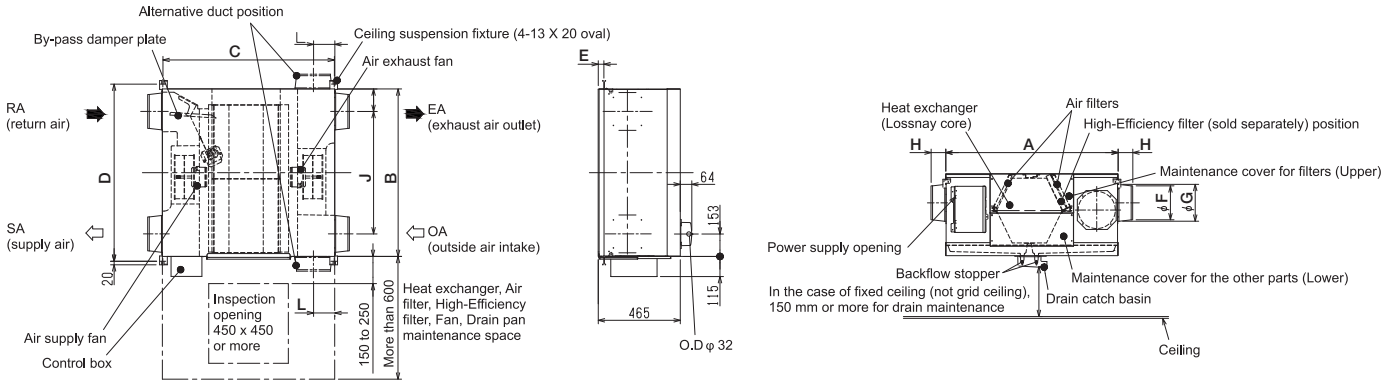
- Fresh air ventilation with energy efficient heat recovery
- Perfect for higher humidity environments
- Plug and play CO_2 sensor control including power
- Digital commissioning of fan speed increments
- Easy control interlock with Mr Slim and City Multi air conditioning systems
- M-NET connection for centralised control
- Integrated bypass damper for free cooling
- In-built condensate drainage traps

LGH-RVS-E
Commercial Series

MODEL			LGH-50RVS-E	LGH-80RVS-E	LGH-100RVS-E
25%	Air Volume	l/s	35	56	69
		m^3/hr	125	200	250
	External Static Pressure	Pa	9	11	12
	Temperature Exchange Efficiency	%	93	90	90
	Specific Fan Power	W/(l/s))	0.72	0.58	0.5
	Input Power	W	25	32	35
	Sound Pressure Level	dB(A)	18	18	18
50%	Air Volume	l/s	69	111	139
		m^3/hr	250	400	500
	External Static Pressure	Pa	38	43	48
	Temperature Exchange Efficiency	%	91	86	86
	Specific Fan Power	W/(l/s))	0.86	0.77	0.72
	Input Power	W	60	85	100
	Sound Pressure Level	dB(A)	22	25	24
75%	Air Volume	l/s	104	167	208
		m^3/hr	375	600	750
	External Static Pressure	Pa	84	96	107
	Temperature Exchange Efficiency	%	89	84	84
	Specific Fan Power	W/(l/s))	1.06	1.05	1.08
	Input Power	W	110	175	225
	Sound Pressure Level	dB(A)	27	30	32
100%	Air Volume	l/s	139	222	278
		m^3/hr	500	800	1000
	External Static Pressure	Pa	150	170	190
	Temperature Exchange Efficiency	%	87	82	82
	Specific Fan Power	W/(l/s))	1.37	1.46	1.6
	Input Power	W	190	325	445
	Sound Pressure Level	dB(A)	33	36	37
DUCT SIZE		mm	200	250	250
WEIGHT	(with full condensate drain)	kg	55 (67)	63 (77)	73 (89)
DIMENSIONS	Width x Depth x Height	mm	974 x 946 x 465	1185 x 997 x 465	1185 x 1224 x 465
ELECTRICAL POWER SUUPPLY			220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
MAXIMUM RUNNING CURRENT		A	2.2	3.7	4.2
FUSE RATING (BS88) - HRC (A)		A	6	6	6
HEAT EXCHANGER				Plastic Counter Flow	
CONDENSATE CONNECTION		mm	32	32	32
STANDARD FILTER		ISO 16890:2016 / EN779:2012		Coarse 35% / G3	
OPTIONAL FILTER(S)		ISO 16890:2016 / EN779:2012		ePM1 65%, ePM2.5 75%, ePM10 90% / F8 ePM10 80% / M6	

Notes: Airflow rate, static pressure, power input, running current, and heat exchange efficiency tested to ISO 16494 (winter condition), 230v 50Hz. A-Weighted Sound Pressure Level measured at 1.5m under the centre of the unit in an anechoic chamber.

LGH-50/80/100RVS-E DIMENSIONS



	A	B	C	D	E	F	G	H	J	L
LGH-50RVS-E	974	946	969	1001	32	192	208	83	692	120
LGH-80RVS-E	1185	997	1179	1051	55	242	258	82	683	161
LGH-100RVS-E	1185	1224	1179	1279	55	242	258	82	910	161

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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

Effective as of May 2021

Green Gateway greengateway.mitsubishielectric.co.uk