

LGH-RVX-E

Commercial Series



The Commercial Lossnay (LGH) Mechanical Ventilation Heat Recovery (MVHR) systems are designed to supply clean, fresh air into commercial buildings, whilst simultaneously extracting stale air.

The **RVX** units recover valuable latent energy, as well as the sensible heat energy. This maximises the available energy recovered and further reduces building running costs.

Key Features & Benefits:

- Fresh air ventilation for improved air quality
- Mitsubishi Electric pioneered heat exchanger enables maximised latent heat exchange, resulting in cost and carbon savings
- Low specific fan powers for improved energy efficiency
- Lightweight structure ideal for ceiling installation
- No condensate drain requirement
- Compatible with Mr Slim and City Multi air conditioning systems for a complete and highly effective system operation
- Optional high efficiency filters available



Ventilation Product Information

LGH-RVX-E Commercial Series

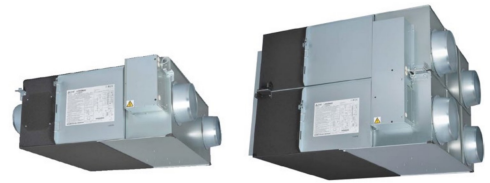


MODEL		LGH-15RVX-E	LGH-25RVX-E	LGH-35RVX-E	LGH-50RVX-E	LGH-65RVX-E	LGH-80RVX-E	LGH-100RVX-E	LGH-150RVX-E	LGH-200RVX-E
Electrical Power Supply		220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
Running Current (A)	SP1	0.10	0.10	0.12	0.13	0.15	0.15	0.17	0.29	0.33
	SP2	0.15	0.16	0.26	0.26	0.39	0.36	0.50	0.70	0.88
	SP3	0.24	0.28	0.54	0.59	0.90	0.83	1.20	1.75	2.20
	SP4	0.40	0.48	0.98	1.15	1.65	1.82	2.50	3.71	4.88
Input Power (W)	SP1	7	8	11	12	15	18	21	38	42
	SP2	14	16	31	32	49	60	75	123	153
	SP3	28	33	70	78	131	151	200	311	400
	SP4	49	62	140	165	252	335	420	670	850
Airflow (m3/h)*2	SP1	38	63	88	125	163	200	250	375	500
	SP2	75	125	175	250	325	400	500	750	1000
	SP3	113	188	263	375	488	600	750	1125	1500
	SP4	150	250	350	500	650	800	1000	1500	2000
Airflow (l/s)*2	SP1	10	17	24	35	45	56	69	104	139
	SP2	21	35	49	69	90	111	139	208	278
	SP3	31	52	73	104	135	167	208	313	417
	SP4	42	69	97	139	181	222	278	417	556
Specific Fan power (W/(l/s))	SP1	0.70	0.47	0.46	0.34	0.33	0.32	0.30	0.37	0.30
	SP2	0.67	0.46	0.63	0.46	0.54	0.54	0.54	0.59	0.55
	SP3	0.90	0.63	0.96	0.75	0.97	0.90	0.96	0.99	0.96
	SP4	1.17	0.90	1.44	1.19	1.39	1.51	1.51	1.61	1.53
External Static Pressure (Pa)	SP1	6	5	10	8	8	10	11	11	10
	SP2	24	21	40	30	30	38	43	44	38
	SP3	54	48	90	68	68	85	96	98	84
	SP4	95	85	160	120	120	150	170	175	150
Sound Pressure Level (dBA)	SP1	17	17	17	18	18	18	18	18	18
	SP2	19	20	20	19	22	23	23	24	28
	SP3	24	22	28	28	29	30	31	32	36
	SP4	28	27	32	34	34.5	34.5	37	39	40
Temperature Exchange	SP1	84	86	88.5	87	86	85	89.5	85	89.5
Efficiency (%)	SP2	83	82	86	83.5	84	84	86.5	84	86.5
Enthalpy Exchange Efficiency (%)	SP3	81	80	82.5	81	81	82.5	83	82.5	83
	SP4	80	79	80	78	77	79	80	80	80
	Heating	SP1	79	83	83.5	82.5	82	81	87	81
		SP2	78	76	78.5	75	76	78	78	78
		SP3	75.5	72	74	71	71	73.5	74	73.5
		SP4	73	69.5	71.5	69	68.5	71	72.5	72.5
Cooling	SP1	79	83	82	82	81	81	85.5	81	85.5
	SP2	78	74.5	78	72.5	74	78	77	78	77
	SP3	74.5	70	73	68	69.5	72.5	73	72.5	73
	SP4	71	68	71	66.5	66	70	71	70.5	71
Weight (kg)		20	23	30	33	38	48	54	98	110
Dimensions (mm)	Width x Depth x Height	780 x 610 x 289	780 x 735 x 289	888 x 874 x 331	888 x 1016 x 331	908 x 954 x 404	1144 x 1004 x 404	1144 x 1231 x 404	1144 x 1004 x 808	1144 x 1231 x 808
Duct Size (mm)		100	150	150	200	200	250	250	(SA,RA)250 (OA,EA)270 x 700	(SA,RA)250 (OA,EA)270 x 700
Standard Filter*1		EU-G3	EU-G3	EU-G3	EU-G3	EU-G3	EU-G3	EU-G3	EU-G3	EU-G3
Fuse Rating (BS88) – HRC (A)		6	6	6	6	6	6	6	10	10

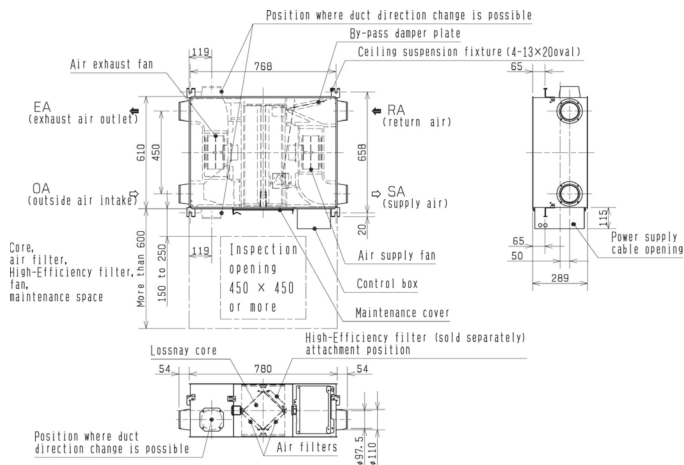
Notes: Running Current, Input Power and Recovery Efficiency are based on the above airflow rate, power supply 240v, 50Hz. Sound Pressure Level measured at 1.5m under the centre of panel.

*1: ISO 16890-2016 ePM1 75% filter available as optional parts. *2: Airflow tested to Japan industrial standard JIS B 8628. SP1, SP2, SP3 & SP4 relate to the fan speeds of the Lossnay RVX units i.e. fanspeed 1, 2, 3 & 4.

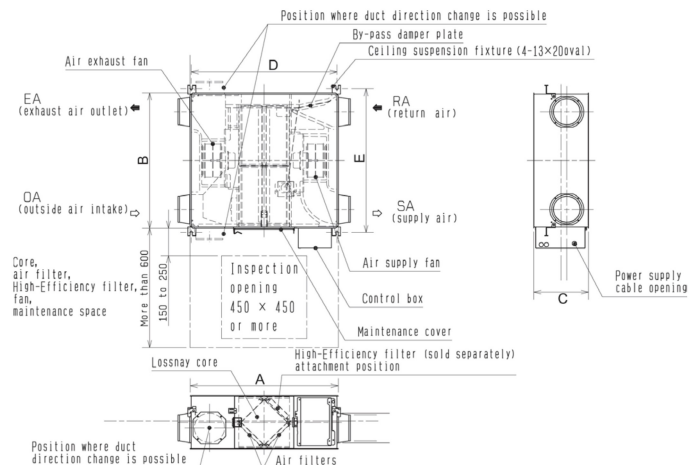
ACCESSORIES		LGH-15RVX-E	LGH-25RVX-E	LGH-35RVX-E	LGH-50RVX-E	LGH-65RVX-E	LGH-80RVX-E	LGH-100RVX-E	LGH-150RVX-E	LGH-200RVX-E
Remote Controller		PZ-62DR-EB								
Filters	Replacement Course 35% / G3 filter	PZ-15RF8-E	PZ-25RF8-E	PZ-35RF8-E	PZ-50RF8-E	PZ-65RF8-E	PZ-80RF8-E	PZ-100RF8-E	PZ-80RF8-E (2 sets)	PZ-100RF8-E (2 sets)
	ePM ₁ 75%	PZ-15RFP2-E	PZ-25RFP2-E	PZ-35RFP2-E	PZ-50RFP2-E	PZ-65RFP2-E	PZ-80RFP2-E	PZ-100RFP2-E	PZ-80RFP2-E (2 sets)	PZ-100RFP2-E (2 sets)
Weather-proof Housings		-	KS4-KWH25RVX	KS4-KWH35RVX	KS4-KWH50RVX	KS4-KWH65RVX	KS4-KWH80RVX	KS4-KWH100RVX	KS4-KWH150RVX	KS4-KWH200RVX



LGH-15RVX-E DIMENSIONS

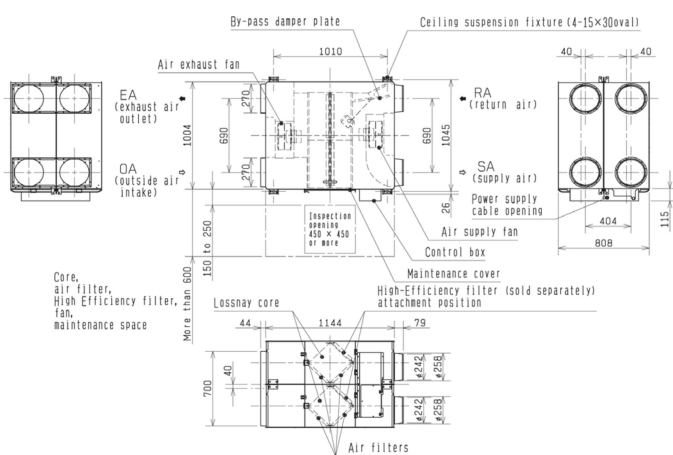


LGH-25-100RVX-E DIMENSIONS

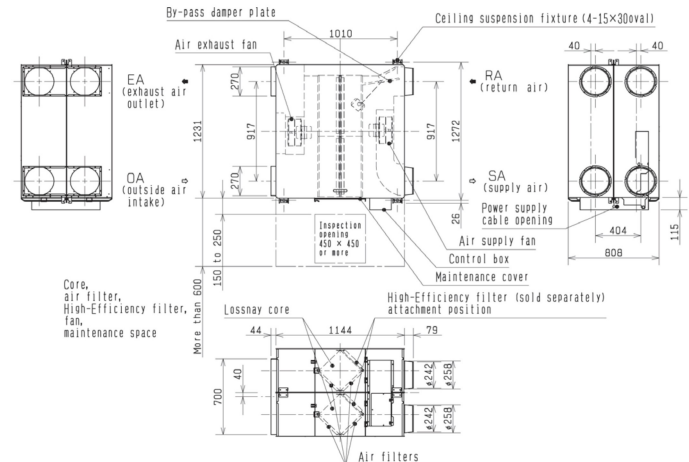


MODEL	DIMENSIONS			CEILING SUSPENSION FIXTURE PITCH		NOMINAL DUCT DIAMETER
	A	B	C	D	E	
LGH-25RVX-E	780	735	289	768	782	150
LGH-35RVX-E	888	874	331	875	921	150
LGH-50RVX-E	888	1016	331	875	1063	200
LGH-65RVX-E	908	954	404	895	1001	200
LGH-80RVX-E	1144	1004	404	1131	1051	250
LGH-100RVX-E	1144	1231	404	1131	1278	250

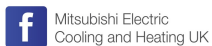
LGH-150RVX-E DIMENSIONS



LGH-200RVX-E DIMENSIONS



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Note: Refer to 'Installation Manual' and 'Instruction Book' for further 'Technical Information'. The fuse rating is for guidance only and 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 August 2022

