



Air Conditioning



RVX3-E Series
PRODUCT FLYER



RVX3-E Series

HEAT RECOVERY VENTILATION



The Lossnay LGH-RVX3-E Heat recovery ventilation (HRV) systems are designed to supply clean, fresh air into any commercial building, whilst simultaneously extracting stale air, ensuring good indoor air quality for occupant wellbeing.

These units are also able to recover valuable heat and latent energy from inside the building, maximising energy efficiency and reducing running costs.

Experience a new level of air quality with Lossnay.



Enhanced Controllability with CO2 Sensors (Optional)

The LGH-RVX3 series features advanced controllability with optional CO2 sensors. These sensors directly connect to the unit, optimising fan speed according to detected CO2 levels which helps improve total heat exchange efficiency and contributes to significant energy savings.

Fan speed can be adjusted in 5% increments within the 25% to 100% range from the PZ-62DR-EA controller.



Built-In Full Bypass Mode

This function allows the unit to bring in fresh air from outside without recovering the heat. This can be ideal for cooling down a dwelling that's overheated during the day when the outside temperature has dropped in the evening. Using temperature sensors, the unit can automatically enter bypass mode when it detects the space is hotter than desired and the outside air is cool enough.



Upgraded Filters

The standard filter has been improved from Coarse 35% to Coarse 60% which means that, as well as pollen and dust, the RVX3-E can also remove finer particles, bacteria and dusts from the air.



Space Saving Installation

With a lightweight structure that is ideal for easy ceiling installation. Vertical installation is also available for flexibility of application or retrofitting existing installations.*



Dual Barrier Coating

A feature unique to Mitsubishi Electric, the Dual Barrier Coating prevents dust and oil build-up, helping to keep the unit clean for optimal performance, and helping ensure the longevity of the product.

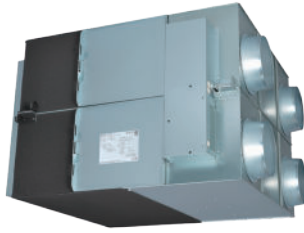


Control Compatibility

Control compatibility with Mr Slim and City Multi air conditioning systems for a complete and highly effective system operation.

* LGH-160/200RVX3 are unable to be installed vertically.

PRODUCT SPECIFICATIONS



RVX3-E Series			LGH-15RVX3-E	LGH-25RVX3-E	LGH-35RVX3-E	LGH-50RVX3-E	LGH-65RVX3-E
25% (Default speed 1)	Air Volume	l/s	10	17	24	35	45
	External Static Pressure	Pa	8	8	10	10	10
	Temperature Exchange Efficiency	Heating %	81.5	88	82	75	82
		Cooling %	78	85	79	73	80
	Enthalpy Exchange Efficiency	Heating %	80.5	84	80	73	80
		Cooling %	73	75	74.5	68	74
	Specific Fan Power	W/(l/s)	0.96	0.63	0.62	0.43	0.44
	Input Power	W	10	11	15	15	20
Sound Pressure Level	dB(A)	17	17	17	17	17.5	
50% (Default speed 2)	Air Volume	l/s	21	35	49	69	90
	External Static Pressure	Pa	30	30	40	38	38
	Temperature Exchange Efficiency	Heating %	78	81	79	73.5	78.5
		Cooling %	73.5	79	74	71	74.5
	Enthalpy Exchange Efficiency	Heating %	76.5	75.5	77.5	72	76.5
		Cooling %	66	68	68.5	63	66.5
	Specific Fan Power	W/(l/s)	0.72	0.6	0.6	0.49	0.56
	Input Power	W	15	21	29	34	51
Sound Pressure Level	dB(A)	18	19.5	19	21	24	
75% (Default speed 3)	Air Volume	l/s	31	52	73	104	135
	External Static Pressure	Pa	68	68	90	85	85
	Temperature Exchange Efficiency	Heating %	75.5	78.5	77	71.5	75
		Cooling %	70.5	76.5	71	67	70
	Enthalpy Exchange Efficiency	Heating %	73.5	72	74.5	69.5	72
		Cooling %	62	63.5	64.5	58	60
	Specific Fan Power	W/(l/s)	0.96	0.81	0.84	0.78	0.89
	Input Power	W	30	42	61	81	120
Sound Pressure Level	dB(A)	22	25	24.5	27	31.5	
100% (Default speed 4)	Air Volume	l/s	42	69	97	139	181
	External Static Pressure	Pa	120	120	160	150	150
	Temperature Exchange Efficiency	Heating %	73.5	75.5	75	70.5	72.5
		Cooling %	65.5	70.5	66.5	63.5	65
	Enthalpy Exchange Efficiency	Heating %	70.5	69	72	68.5	69.5
		Cooling %	58	59	60	53.5	55.5
	Specific Fan Power	W/(l/s)	1.32	1.08	1.23	1.33	1.36
	Input Power	W	55	75	120	185	245
Sound Pressure Level	dB(A)	27	30.5	30.5	35	37.5	
Duct Size	mm	ø100	ø150	ø150	ø200	ø200	
Weight	kg	20	22	30	33	41	
Dimensions	Width x Depth x Height	mm	888 x 769 x 289	908 x 894 x 289	1016 x 1033 x 331	1046 x 1175 x 331	1066 x 1113 x 404
Electrical Power Supply			220-240V, 50Hz				
MCA	A		0.57	0.88	1.37	1.86	2.37
Heat Exchanger			Paper with specially treated Cellulose Membrane				
Standard Filter			ISO 16890 Coarse 60%				
Exhaust Air Transfer Ratio			5%				
Accessories							
Controller			PZ-62DR-EB				
Filters	Standard Replacement Filter (Coarse 60%)		PZ-15RF3-E	PZ-25RF3-E	PZ-35RF3-E	PZ-50RF3-E	PZ-65RF3-E
	ePM ₁ 75%		PZ-15RFP3-E	PZ-25RFP3-E	PZ-35RFP3-E	PZ-50RFP3-E	PZ-65RFP3-E
	M6 Filter		PZ-15RFM3-E	PZ-25RFM3-E	PZ-35RFM3-E	PZ-50RFM3-E	PZ-65RFM3-E
	F8 Filter		PZ-15RFH3-E	PZ-25RFH3-E	PZ-35RFH3-E	PZ-50RFH3-E	PZ-65RFH3-E
CO2 Sensors			PZ-70CSW-E (Wall mounted) / PZ-70CSD-E (Duct mounted)				
Vertical Mounting Brackets			PZ-1VS-E	PZ-1VS-E	PZ-1VS-E	PZ-1VS-E	PZ-2VS-E
Signal output terminal			PZ-4GS-E				

PRODUCT SPECIFICATIONS

RVX3-E Series			LGH-80RVX3-E	LGH-100RVX3-E	LGH-160RVX3-E	LGH-200RVX3-E
25% (Default speed 1)	Air Volume	l/s	56	69	111	139
	External Static Pressure	Pa	11	12	11	11
	Temperature Exchange Efficiency	Heating %	80	83.5	80	83.5
		Cooling %	78	82.5	78	82.5
	Enthalpy Exchange Efficiency	Heating %	73.5	75.5	73.5	76
		Cooling %	70.5	73.5	70.5	71
	Specific Fan Power	W/(l/s)	0.41	0.39	0.41	0.41
Input Power	W	23	27	45	57	
Sound Pressure Level	dB(A)	18	18.5	18	18	
50% (Default speed 2)	Air Volume	l/s	111	139	222	278
	External Static Pressure	Pa	43	48	43	43
	Temperature Exchange Efficiency	Heating %	78	79.5	78	79.5
		Cooling %	75.5	77	75.5	76
	Enthalpy Exchange Efficiency	Heating %	70.5	68.5	70.5	67.5
		Cooling %	65	66	65	65
	Specific Fan Power	W/(l/s)	0.58	0.6	0.58	0.59
Input Power	W	64	83	128	163	
Sound Pressure Level	dB(A)	25	27	26	27.5	
75% (Default speed 3)	Air Volume	l/s	167	208	333	417
	External Static Pressure	Pa	96	107	96	96
	Temperature Exchange Efficiency	Heating %	76.5	77	76.5	77.5
		Cooling %	70	72	70	71.5
	Enthalpy Exchange Efficiency	Heating %	65	63	65	64
		Cooling %	58.5	61	58.5	60
	Specific Fan Power	W/(l/s)	0.96	1.01	0.97	1
Input Power	W	160	210	324	416	
Sound Pressure Level	dB(A)	33.5	35	35	36	
100% (Default speed 4)	Air Volume	l/s	222	278	444	556
	External Static Pressure	Pa	170	190	170	170
	Temperature Exchange Efficiency	Heating %	75	75.5	75	76.5
		Cooling %	65	67.5	65	66.5
	Enthalpy Exchange Efficiency	Heating %	62	60.5	62	60.5
		Cooling %	54.5	55.5	54.5	57
	Specific Fan Power	W/(l/s)	1.54	1.58	1.55	1.54
Input Power	W	343	438	687	855	
Sound Pressure Level	dB(A)	39	40	41	41.5	
Duct Size	mm	ø250	ø250	(SA,RA) 2 x ø250 (OA,EA) 270 x 700	(SA,RA) 2 x ø250 (OA,EA) 270 x 700	
Weight	kg	47	53	96	108	
Dimensions	Width x Depth x Height	mm	1302 x 1163 x 404	1302 x 1390 x 404	1267 x 1165 x 808	1267 x 1392 x 808
Electrical Power Supply	220-240V, 50Hz					
MCA	A	3.23	3.77	4.74	5.4	
Heat Exchanger	Paper with specially treated Cellulose Membrane					
Standard Filter	ISO 16890 Coarse 60%					
Exhaust Air Transfer Ratio	5%					
Accessories						
Controller	PZ-62DR-EB					
Filters	Standard Replacement Filter (Coarse 60%)	PZ-80RF3-E	PZ-100RF3-E	PZ-80RF3-E (2 sets)	PZ-100RF3-E (2 sets)	
	ePM ₁ 75%	PZ-80RFP3-E	PZ-100RFP3-E	PZ-80RFP3-E (2 sets)	PZ-100RFP3-E (2 sets)	
	M6 Filter	PZ-80RFM3-E	PZ-100RFM3-E	PZ-80RFM3-E (2 sets)	PZ-100RFM3-E (2 sets)	
	F8 Filter	PZ-80RFH3-E	PZ-100RFH3-E	PZ-80RFH3-E (2 sets)	PZ-100RFH3-E (2 sets)	
CO2 Sensors	PZ-70CSW-E (Wall mounted) / PZ-70CSD-E (Duct mounted)					
Vertical Mounting Brackets	PZ-2VS-E	PZ-2VS-E	-	-		
Signal output terminal	PZ-4GS-E					



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