

LOSSNAY SYSTEM

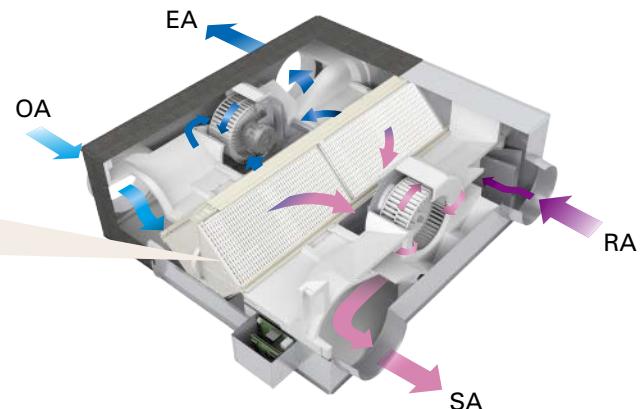
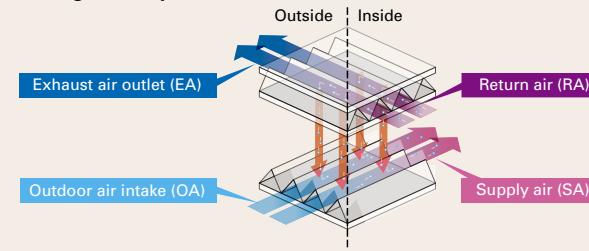
Lossnay ventilation systems are renowned industry-wide for their efficiency. They offer environment-friendly energy recovery and humidity control, and enable air conditioning systems to simultaneously provide optimum room comfort and energy savings.



Indoor Air Quality Inside a Building is Optimised Through Temperature and Humidity Exchange by Lossnay

Lossnay is a total heat exchange ventilation system that uses paper characteristics to perform temperature (sensible heat) and humidity (latent heat) exchange.

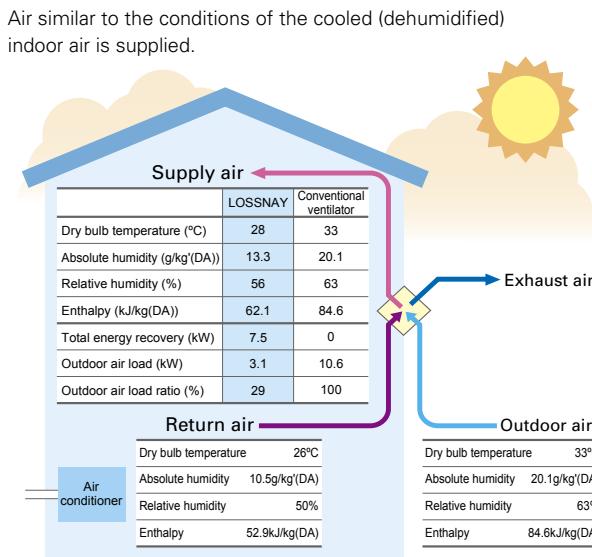
The concept of sensible heat and latent heat exchange using Lossnay core



What can be Improved by Introducing Lossnay?

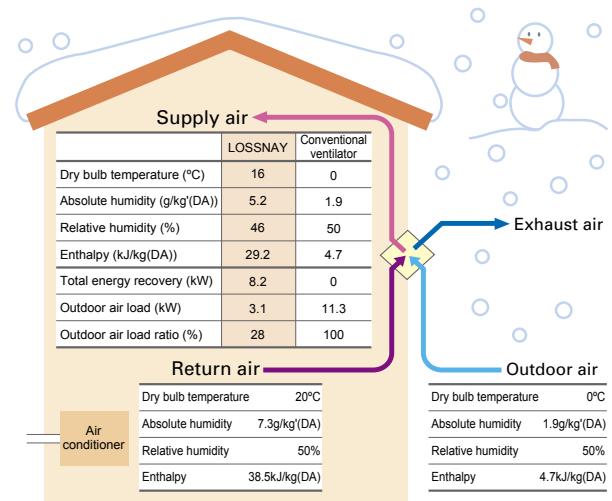
Ventilation with maximised comfort

In summer



In winter

Air similar to the conditions of the heated (humidified) indoor air is supplied.



Heat recovery calculation

$$\text{Indoor supply-air} = \frac{\text{Outdoor temperature (°C)} - \text{Outdoor temperature (°C)}}{\text{Indoor temperature (°C)} - \text{Indoor temperature (°C)}} \times \text{Temp recovery efficiency (\%)} + \text{Outdoor temperature (°C)}$$

Calculation example: $28^\circ\text{C} = 33^\circ\text{C} - (33^\circ\text{C} - 26^\circ\text{C}) \times 72\%$

*The above applies to the case of LGH-100RVX (fan speed 4).

Heat recovery calculation

$$\text{Indoor supply-air} = \frac{\text{Indoor temperature (°C)} - \text{Outdoor temperature (°C)}}{\text{Indoor temperature (°C)} - \text{Outdoor temperature (°C)}} \times \text{Temp recovery efficiency (\%)} + \text{Outdoor temperature (°C)}$$

Calculation example: $16^\circ\text{C} = (20^\circ\text{C} - 0^\circ\text{C}) \times 80\% + 0^\circ\text{C}$

*The above applies to the case of LGH-100RVX (fan speed 4).

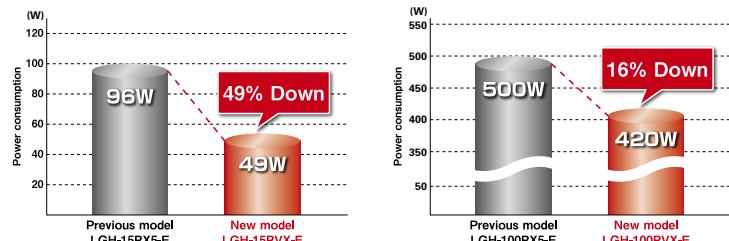
Commercial Use Lossnay

LGH-RVX (Standard model)

Power consumption reduced further with introduction of a DC motor

Realized low power consumption with introduction of a high efficiency brushless DC motor. Compared to models with an AC motor, power consumption is reduced.

Comparison between new and previous power consumption
(New model: Fan speed 4 at 230V 50Hz, Previous model: Extra-High at 220V 50Hz)



Improved Air Volume Range

Wide range air volume

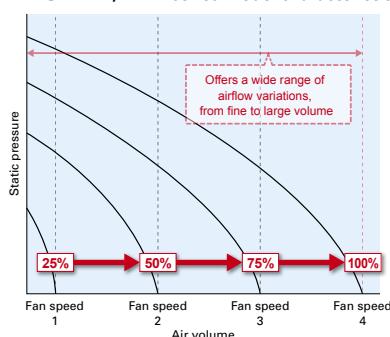
Each fan speed has a range setting of 25, 50, 75 and 100%, allowing much finer air volume control. When used in combination with the CO₂ sensor or timer function, the air volume can be controlled according to conditions that realize better performance and reduce power consumption.

Fan speed adjustment function

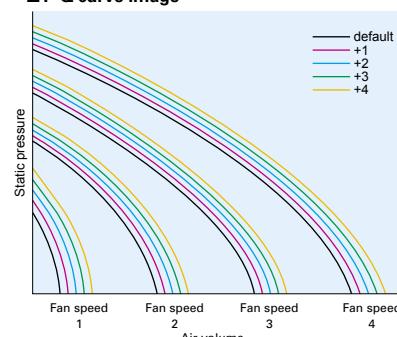
The default fan speed value can be adjusted slightly. Use the PZ-61DR-E remote controller to reset the speed.

- Considering the total hours of Lossnay operation (filter clogging), the fan power can be adjusted automatically after a given period of time.
- After the unit is installed, when if the air volume is slightly lower than the desired airflow, it is possible to make fine adjustments.

■ LGH-RVX/RVXT series model characteristic curves



■ P-Q curve image



LGH-RVXT (Thinner body type)

The LGH-RVXT series have a large air volume of 1500 - 2500 CMH, but has a thin body @500mm. Installing the unit behind the ceiling is easy.

■ LGH-150/200RVX-E



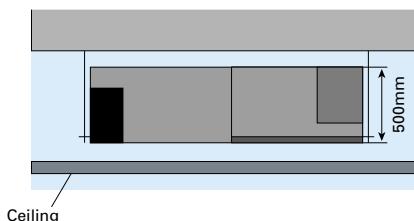
Height: 808mm

■ LGH-150/200/250RVXT-E



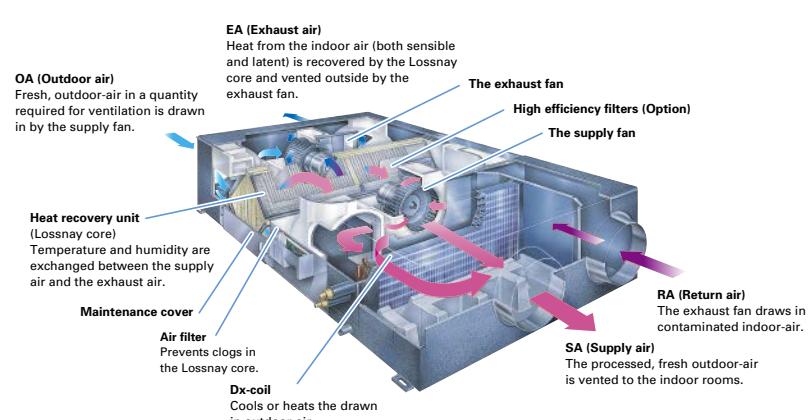
Height: 500mm

■ LGH-RVXT Installation image



GUF Series (Lossnay with Dx-coil unit)

Along with Lossnay ventilation, the OA Processing Unit is really two units in one, functioning as the main air conditioner when the load is light and adding supplemental air conditioning when the load is heavy.



Commercial Use Lossnay Specifications

LGH-RVX Series

Model	LGH-15RVX-E								LGH-25RVX-E								LGH-35RVX-E											
Electrical power supply	220-240V/50Hz, 220V/60Hz								220-240V/50Hz, 220V/60Hz								220-240V/50Hz, 220V/60Hz											
Ventilation mode	Heat recovery mode								Bypass mode								Heat recovery mode								Bypass mode			
Fan speed	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP1			
Running current (A)	0.40	0.24	0.15	0.10	0.41	0.25	0.15	0.10	0.48	0.28	0.16	0.10	0.48	0.29	0.16	0.11	0.98	0.54	0.26	0.12	0.98	0.56	0.28	0.13				
Input power (W)	49	28	14	7	52	28	14	8	62	33	16	7.5	63	35	17	9	140	70	31	11	145	72	35	13				
Air volume	(m³/h) (L/s)	150	113	75	38	150	113	75	38	250	188	125	63	250	188	125	63	350	263	175	88	350	263	175	88			
External static pressure (Pa)		95	54	24	6	95	54	24	6	85	48	21	5	85	48	21	5	160	90	40	10	160	90	40	10			
Temperature exchange efficiency (%)	80	81	83	84	—	—	—	—	79	80	82	86	—	—	—	—	80	82.5	86	88.5	—	—	—	—				
Enthalpy exchange efficiency (%)	Heating Cooling	73	75.5	78	79	—	—	—	—	69.5	72	76	83	—	—	—	—	71.5	74	78.5	83.5	—	—	—	—			
Noise (dB) (Measured at 1.5m under the center of unit in an anechoic chamber)		71	74.5	78	79	—	—	—	—	68	70	74.5	83	—	—	—	—	71	73	78	82	—	—	—	—			
Weight (kg)	(Measured at 1.5m under the center of unit in an anechoic chamber)								28	24	19	17	29	24	19	18	27	22	20	17	32	28	20	17	32.5	28	20	18
Specific energy consumption class	20								23								30								—			

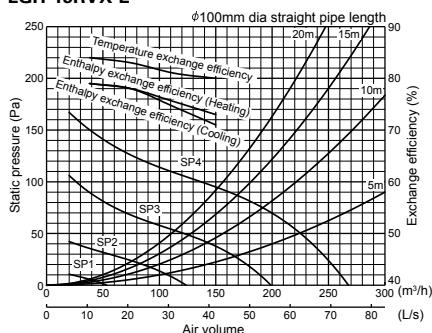
Model	LGH-50RVX-E								LGH-65RVX-E								LGH-80RVX-E											
Electrical power supply	220-240V/50Hz, 220V/60Hz								220-240V/50Hz, 220V/60Hz								220-240V/50Hz, 220V/60Hz											
Ventilation mode	Heat recovery mode								Bypass mode								Heat recovery mode								Bypass mode			
Fan speed	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP1			
Running current (A)	1.15	0.59	0.26	0.13	1.15	0.59	0.27	0.13	1.65	0.90	0.39	0.15	1.72	0.86	0.38	0.16	1.82	0.83	0.36	0.15	1.97	0.86	0.40	0.15				
Input power (W)	165	78	32	12	173	81	35	14	252	131	49	15	262	131	47	17	335	151	60	18	340	151	64	20				
Air volume	(m³/h) (L/s)	500	375	250	125	500	375	250	125	650	488	325	163	650	488	325	163	800	600	400	200	800	600	400	200			
External static pressure (Pa)		139	104	69	35	139	104	69	35	181	135	90	45	181	135	90	45	222	167	111	56	222	167	111	56			
Temperature exchange efficiency (%)	78	81	83.5	87	—	—	—	—	77	81	84	86	—	—	—	—	79	82.5	84	85	—	—	—	—				
Enthalpy exchange efficiency (%)	Heating Cooling	69	71	75	82.5	—	—	—	68.5	71	76	82	—	—	—	—	71	73.5	78	81	—	—	—	—				
Noise (dB) (Measured at 1.5m under the center of unit in an anechoic chamber)		66.5	68	72.5	82	—	—	—	66	69.5	74	81	—	—	—	—	70	72.5	78	81	—	—	—	—				
Weight (kg)	(Measured at 1.5m under the center of unit in an anechoic chamber)								34	28	19	18	35	29	20	18	34.5	29	22	18	34.5	30	23	18	36	30	23	18
	33								38								48											

Model	LGH-100RVX-E								LGH-150RVX-E								LGH-200RVX-E									
Electrical power supply	220-240V/50Hz, 220V/60Hz								220-240V/50Hz, 220V/60Hz								220-240V/50Hz, 220V/60Hz									
Ventilation mode	Heat recovery mode								Bypass mode								Heat recovery mode								Bypass mode	
Fan speed	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP1	
Running current (A)	2.50	1.20	0.50	0.17	2.50	1.20	0.51	0.19	3.71	1.75	0.70	0.29	3.85	1.78	0.78	0.30	4.88	2.20	0.88	0.33	4.54	2.06	0.87	0.35		
Input power (W)	420	200	75	21	420	200	75	23	670	311	123	38	698	311	124	44	850	400	153	42	853	372	150	49		
Air volume	(m³/h) (L/s)	1000	750	500	250	1000	750	500	250	1500	1125	750	375	1500	1125	750	375	2000	1500	1000	500	2000	1500	1000	500	
External static pressure (Pa)		278	208	139	69	278	208	139	69	417	313	208	104	417	313	208	104	417	313	208	104	556	417	278	139	
Temperature exchange efficiency (%)	80	83	86.5	89.5	—	—	—	—	80	82.5	84	85	—	—	—	—	80	83	86.5	89.5	—	—	—	—		
Enthalpy exchange efficiency (%)	Heating Cooling	72.5	74	78	87	—	—	—	72	73.5	78	81	—	—	—	—	72.5	74	78	87	—	—	—	—		
Noise (dB) (Measured at 1.5m under the center of unit in an anechoic chamber)		71	73	77	85.5	—	—	—	70.5	72.5	78	81	—	—	—	—	71	73	77	85.5	—	—	—	—		
Weight (kg)	(Measured at 1.5m under the center of unit in an anechoic chamber)								54	98								110								
	156								159								198									

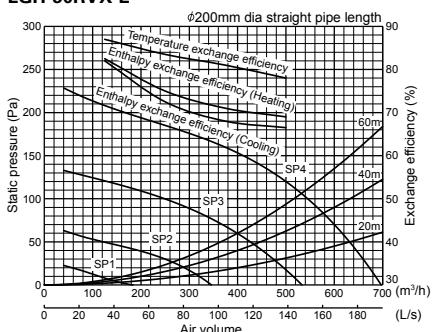
Model	GUF-50RD4								GUF-100RD4								GUF-50RDH4								GUF-100RDH4							
Electrical power supply	220-240V/50Hz								220-240V/50Hz								220-240V/50Hz								220-240V/50Hz							
Ventilation mode	Heat recovery mode								Bypass mode								Heat recovery mode								Bypass mode							
Fan speed	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low		
Running current (A)	1.15	0.70	1.15	0.70	2.20	1.73																										

Characteristic Curves

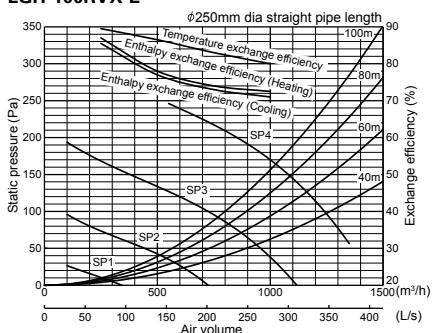
LGH-15RVX-E



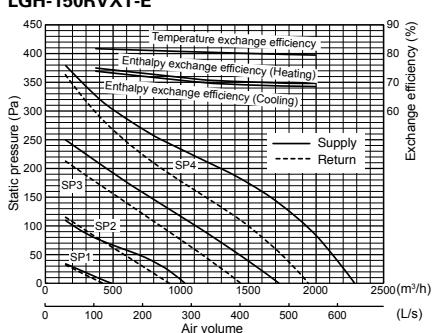
LGH-50RVX-E



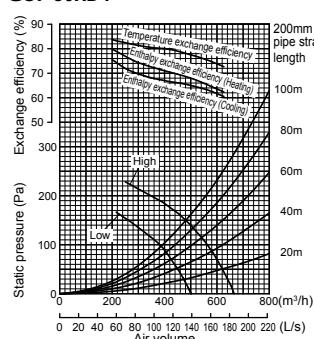
LGH-100RVX-E



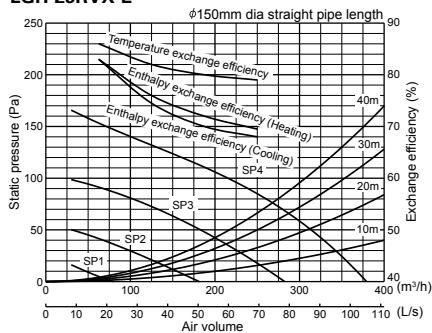
LGH-150BVXT-E



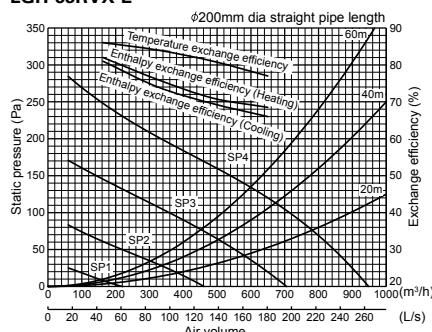
GUF-50RD4



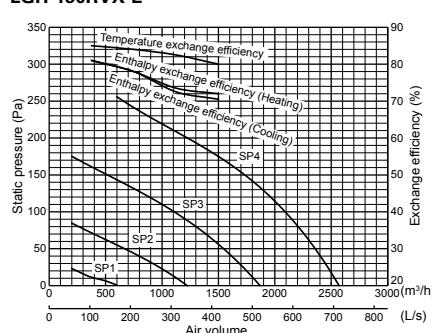
LGH-25RVX-E



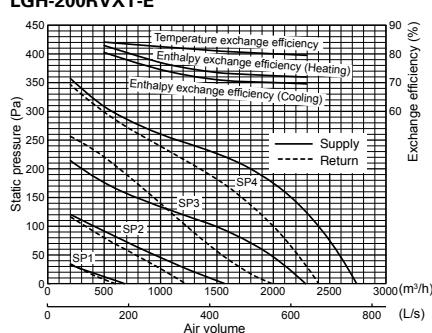
LGH-65RVX-E



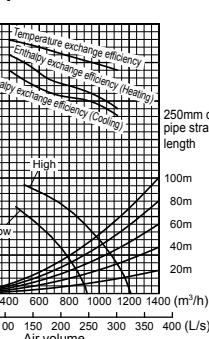
LGH-150RVX-E



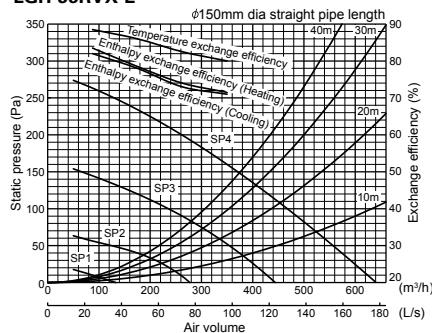
LGH-200BVXT-E



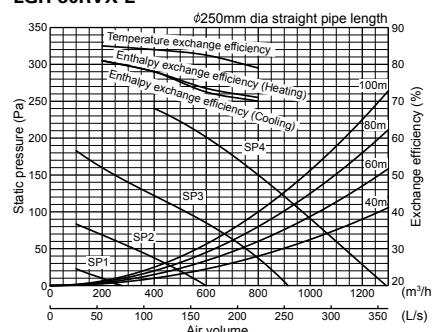
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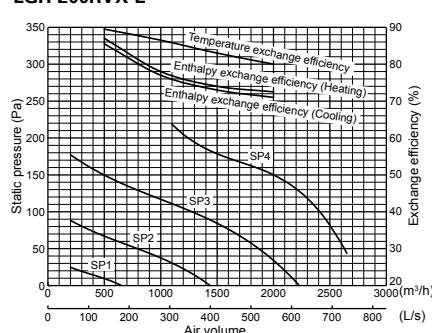
LGH-35RVX-E



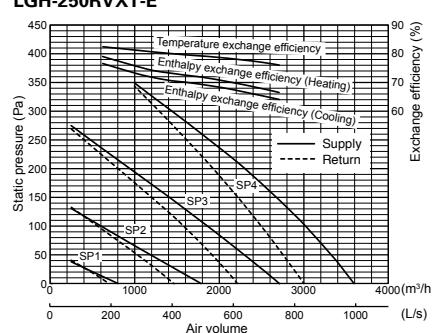
LGH-80RVX-E



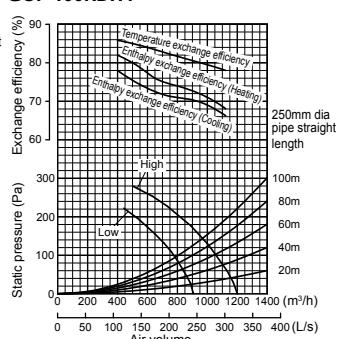
LGH-200RVX-E



LGH-250RVXT-E



GUF-100RDH4

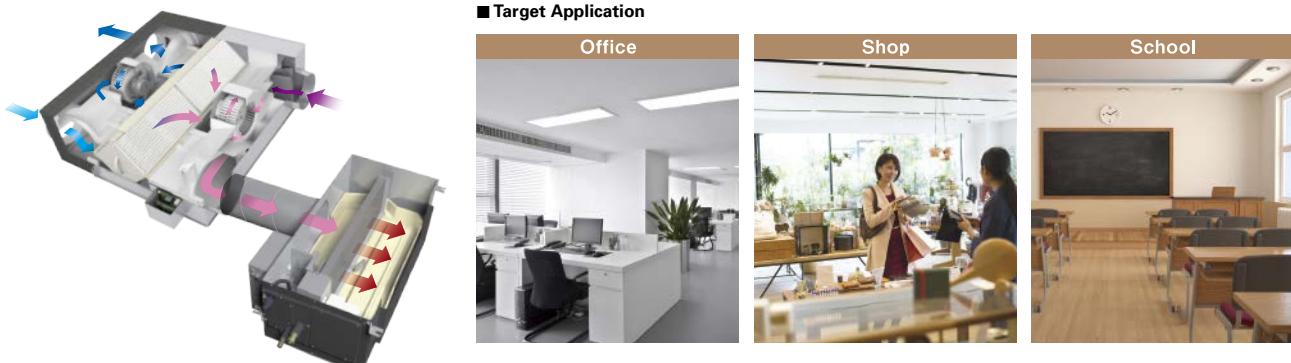


Optional Dx-coil Unit for Lossnay

Supply Comfortable Control

Product Features

- Lossnay return air and supply air temperature control are possible with Dx-coil unit which is connectable with Mr. Slim (Power inverter series)
- Expand the product line-up of Lossnay with temperature control (500-2,500CMH) by the connection of Dx-coil unit.
- Suitable for various applications such as offices, shops and schools etc.



Application Examples

Supplemental Air-conditioning System (Return Air Temperature Control) There may be the possibility of reducing 1 air-conditioning system by using return air temperature control as air-conditioning system.

Setting Temp.
Dx-coil unit RC

A/C outdoor unit

EA ← OA → Lossnay
Dx-coil unit
RA Temperature Control
Temperatures setting range
Heating: 17-28°C / Cooling: 19-30°C / Auto: 19-28°C

Target Temp.
SA RA

A/C Indoor unit
Good for: Offices, Small shops, Hotels

Main Air-conditioning System (Return Air Temperature Control) Possible to use Lossnay + Dx-coil unit as main air-conditioning and ventilation system for lower air-conditioning load application.

Setting Temp.
Dx-coil unit RC

A/C outdoor unit

EA ← OA → Lossnay
Dx-coil unit
RA Temperature Control
Temperatures setting range
Heating: 17-28°C / Cooling: 19-30°C / Auto: 19-28°C

Target Temp.
SA RA

Good for: Schools, Factories, Restaurants

Outdoor Air Treatment System (Supply Air Temperature Control) Controlling the temperature of outdoor air simplifies air-conditioning design and control.

Setting Temp.
Dx-coil unit RC

A/C outdoor unit

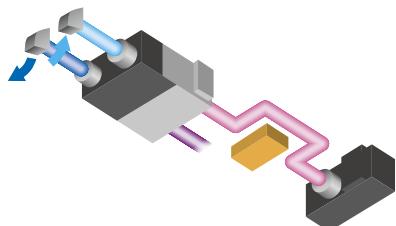
EA ← OA → Lossnay
Dx-coil unit
SA Temperature Control
Temperatures setting range
Heating: 17-28°C / Cooling: 12-30°C

Target Temp.
SA RA

A/C Indoor unit
Good for: Offices, Small shops, Hotels

*Example images of using LGH-RVXT series for reference only.

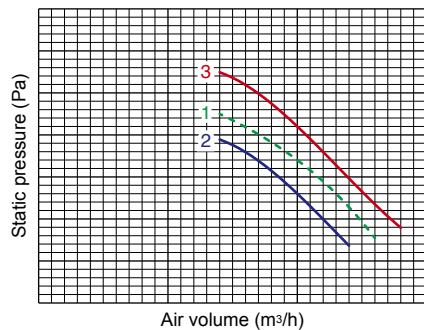
Flexible Installation



Flexible Connection to Lossnay

The length of the connection cable (accessory) between the Lossnay and Dx-coil unit is about 6m, so flexible installation is possible (two units can be installed close together or far apart with straight or bent ducting).

To Keep High Static Pressure



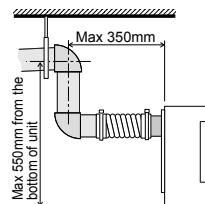
P-Q curve image

1. Lossnay unit
2. Lossnay unit + Dx-coil unit
3. Lossnay unit (fan power up +4) + Dx-coil unit

Dx-coil unit static pressure loss is kept to minimum, making it possible to maintain high static pressure using the fan power up function of the Lossnay. The fan power up function is only available when used with the PZ-61DR-E Lossnay remote controller.

Drain Pump Equipment

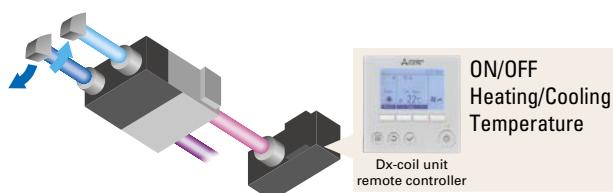
A built-in drain pump makes attaching the drain hose in the ceiling cavity easy, resulting in simple and fast installation.



User-friendly System Control

Flexible Remote Controller Selection

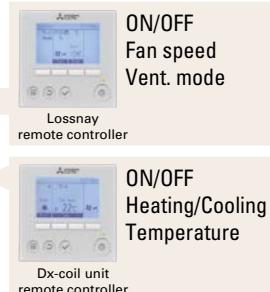
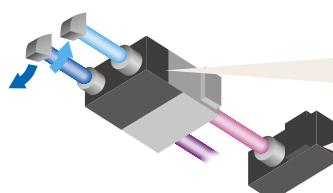
(A) One remote controller



ON/OFF
Heating/Cooling
Temperature

Dx-coil unit
remote controller

(B) Two remote controllers



When using only one remote controller, the Lossnay fan speed is fixed at fan speed 3 or 4.

When using two remote controllers, all of Lossnay function is available.

*1: Both of Lossnay unit and Dx-coil unit will synchronously switch to ON and OFF.

*2: When one of the two remote controllers is turned ON, the other remote controller turns ON synchronously.

Priority Mode Selection

Temperature priority mode (factory setting) or Fan speed priority mode are selectable when Lossnay unit fan speed is controlled by a CO₂-sensor or a BMS (analogue input (0-10VDC) or a volt-free input).

*During fan speed 1 or 2, the Dx-coil unit is always thermo-OFF

Operation mode	Fan speed order from external input	Actual fan speed	
		Temp. priority	Fan speed priority
Heating or Cooling	FS4	FS4	FS4
	FS3	FS3	FS3
	FS2	FS3	FS2
	FS1	FS3	FS1
Fan	FS4	FS4	FS4
	FS3	FS3	FS3
	FS2	FS2	FS2
	FS1	FS1	FS1

Specifications

GUG Series



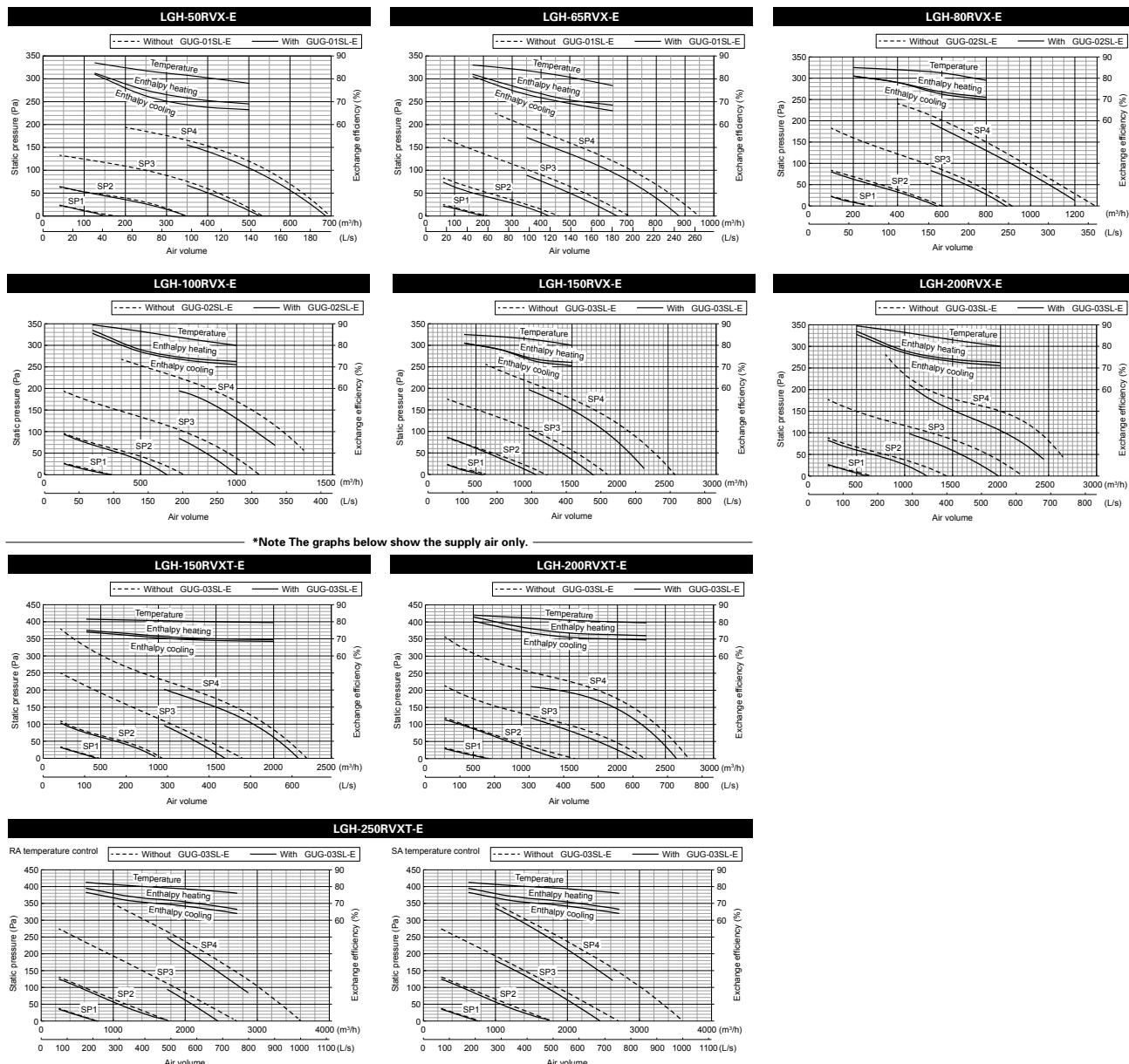
GUG-01SL-E

GUG-02SL-E

GUG-03SL-E

Model	GUG-01SL-E (Connection to LGH-50RVX-E or LGH-65RVX-E)							GUG-02SL-E (Connection to LGH-80RVX-E or LGH-100RVX-E)													
Refrigerant	R410A							R410A													
Electrical power supply	220-240V / 50Hz, 220V / 60Hz (Supplied from outdoor unit)							220-240V / 50Hz, 220V / 60Hz (Supplied from outdoor unit)													
Input power	Heating / Fan: 2.5W, Cooling: 12.4W							Heating / Fan: 2.5W, Cooling: 12.4W													
Running current	Less than 0.1A							Less than 0.1A													
Weight	21kg *Accessories: Approx. 1kg							26kg *Accessories: Approx. 1kg													
Function	Heating / Cooling / Auto / Fan *Auto is only available for RA temperature control							Heating / Cooling / Auto / Fan *Auto is only available for RA temperature control													
	RA (Return Air) temperature control							RA (Return Air) temperature control / SA (Supply Air) temperature control [Must be set at initial setting and not possible to change from remote controller]													
Connectable Lossnay unit	LGH-50RVX-E			LGH-65RVX-E			LGH-80RVX-E			LGH-100RVX-E											
Capacity [kW]	Heating	6.5 (2.4 + 4.1)			7.7 (3.2 + 4.5)			10.0 (4.0 + 6.0)			13.2 (5.1 + 8.1)										
	Cooling	5.6 (2.0 + 3.6)			6.6 (2.6 + 4.0)			8.3 (3.3 + 5.0)			11.3 (4.2 + 7.1)										
SHF	0.66							0.69							0.66						
Performance index	Heating	4.09			4.72			4.62			4.42										
	Cooling	4.69			5.03			4.76			4.98										
Air flow range at SP3 and SP4	350 - 695 m³/h			350 - 900 m³/h			560 - 1200 m³/h			700 - 1200 m³/h											
Connectable outdoor unit	PUHZ-ZRP35							PUHZ-ZRP50							PUHZ-ZRP71						
Ext. piping	Diameter	Liquid / Gas: 6.35 / 12.7			Diameter	Liquid / Gas: 6.35 / 12.7			Diameter	Liquid / Gas: 6.35 / 12.7			Diameter	Liquid / Gas: 9.52 / 15.88							
	Maximum length: 50m, Maximum height: 30m	Maximum length: 50m, Maximum height: 30m			Maximum length: 50m, Maximum height: 30m	Maximum length: 50m, Maximum height: 30m			Maximum length: 50m, Maximum height: 30m	Maximum length: 50m, Maximum height: 30m			Maximum length: 50m, Maximum height: 30m								
Required optional parts	-							PAC-SH30RJ-E and PAC-SH50RJ-E							-						
SA (Supply Air) temperature control																					
Connectable Lossnay unit	-			-			LGH-80RVX-E			LGH-100RVX-E											
Capacity [kW]	Heating	-			-			10.0 (4.0 + 6.0)			11.4 (5.1 + 6.3)										
	Cooling	-			-			8.3 (3.3 + 5.0)			9.5 (4.2 + 5.3)										
SHF	-							0.69							0.73						
Performance index	Heating	-			-			4.62			5.09										
	Cooling	-			-			4.76			5.43										
Air flow range at SP3 and SP4	-							560 - 1200 m³/h							700 - 1200 m³/h						
Connectable outdoor unit	-			-			PUHZ-ZRP50			PUHZ-ZRP71											
Ext. piping	Diameter	Liquid / Gas: 6.35 / 12.7			Diameter	Liquid / Gas: 6.35 / 12.7			Diameter	Liquid / Gas: 6.35 / 12.7			Diameter	Liquid / Gas: 6.35 / 12.7							
	Maximum length: 50m, Maximum height: 30m	Maximum length: 50m, Maximum height: 30m			Maximum length: 50m, Maximum height: 30m	Maximum length: 50m, Maximum height: 30m			Maximum length: 50m, Maximum height: 30m	Maximum length: 50m, Maximum height: 30m			Maximum length: 50m, Maximum height: 30m								
Required optional parts	-							PAC-SH30RJ-E and PAC-SH50RJ-E							-						
Ventilation specifications																					
Connectable Lossnay unit	LGH-50RVX-E			LGH-65RVX-E			LGH-80RVX-E			LGH-100RVX-E											
Fan speed	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1					
Air Volume	[m³/h] (L/s)	500 139	375 104	250 69	125 35	650 181	488 135	325 90	163 45	800 222	600 167	400 111	200 56	1,000 278	750 208	500 139	250 69				
External static pressure [Pa]	105							59							130 8	73 33	8				
RA (Return Air) temperature control																					
Connectable Lossnay unit	LGH-150RVX-E			LGH-200RVX-E			LGH-150RVXT-E			LGH-200RVXT-E											
Capacity [kW]	Heating	20.7 (7.7 + 13.0)			23.8 (10.3 + 13.5)			20.4 (7.4 + 13.0)			23.8 (10.3 + 13.5)										
	Cooling	15.8 (6.3 + 9.5)			18.4 (8.4 + 10.0)			15.7 (6.2 + 9.5)			18.4 (8.4 + 10.0)										
SHF	0.68							0.76							0.76						
Performance index	Heating	4.24			5.02			4.07			4.86										
	Cooling	5.27			5.86			5.03			5.59										
Air flow range at SP3 and SP4	1050 - 2250 m³/h			1050 - 2600 m³/h			1050 - 2250 m³/h			1050 - 2600 m³/h											
Connectable outdoor unit	PUHZ-ZRP100			PUHZ-ZRP100			PUHZ-ZRP100			PUHZ-ZRP100											
Ext. piping	Diameter	Liquid / Gas: 9.52 / 15.88			Diameter	Liquid / Gas: 9.52 / 15.88			Diameter	Liquid / Gas: 9.52 / 15.88			Diameter	Liquid / Gas: 9.52 / 15.88							
	Maximum length: 75m, Maximum height: 30m	Maximum length: 75m, Maximum height: 30m			Maximum length: 75m, Maximum height: 30m	Maximum length: 75m, Maximum height: 30m			Maximum length: 75m, Maximum height: 30m	Maximum length: 75m, Maximum height: 30m			Maximum length: 75m, Maximum height: 30m								
SA (Supply Air) temperature control															LGH-250RVXT-E						
Connectable Lossnay unit	LGH-150RVX-E			LGH-200RVX-E			LGH-150RVXT-E			LGH-200RVXT-E											
Capacity [kW]	Heating	16.6 (7.7 + 8.9)			19.5 (10.3 + 9.2)			16.3 (7.4 + 8.9)			19.5 (10.3 + 9.2)										
	Cooling	13.4 (6.3 + 7.1)			15.9 (8.5 + 7.4)			13.3 (6.2 + 7.1)			15.9 (8.5 + 7.4)										
SHF	0.85							0.90							0.86						
Performance index	Heating	5.46			6.30			5.16			6.01										
	Cooling	5.32			5.85			5.03			5.54										
Air flow range at SP3 and SP4	1050 - 2250 m³/h			1050 - 2600 m³/h			1050 - 2250 m³/h			1050 - 2600 m³/h											
Connectable outdoor unit	PUHZ-ZRP71			PUHZ-ZRP71			PUHZ-ZRP71			PUHZ-ZRP71											
Ext. piping	Diameter	Liquid / Gas: 9.52 / 15.88			Diameter	Liquid / Gas: 9.52 / 15.88			Diameter	Liquid / Gas: 9.52 / 15.88			Diameter	Liquid / Gas: 9.52 / 15.88							
	Maximum length: 50m, Maximum height: 30m																				

Characteristic Curves



Attention

- The running current and input power are based on 230V/50Hz.
- The cooling and heating capacities are based on the air conditions listed below and the rated airflow of fan speed 4.
Cooling Indoor: 27°CDB/19°CWB Outdoor: 35°CDB/24°CWB
Heating Indoor: 20°CDB/15°CWB Outdoor: 7°CDB/6°CWB
- The first figure in () of the capacity specification is the heat recovery energy of the Lossnay unit. The second figure is the capacity specification for the Dx-coil connected to the outdoor unit.
- "Performance index" is the calculated value at the temperature conditions above and is reference purpose only.
Performance index = Total capacity ÷ total power consumption of outdoor unit and Lossnay unit
- The external static pressure listed in the tables includes the static pressure loss of the Dx-coil unit when using a 50cm straight duct between the Lossnay and Dx-coil units. When the duct work between the Lossnay and Dx-coil units is longer and/or bent, the pressure loss of the duct work should be included in the pressure loss calculation.
- The designed airflow of the system (Lossnay, Dx-coil and duct work) at fan speed 3 and 4 should be kept within "Airflow range at SP3 and SP4" listed in the tables. This range is shown as the solid line in graphs of the characteristics curve. If the Lossnay airflow is out of this range, the compressor of the outdoor unit may stop for self-protection purposes.
- By installing the Dx-coil unit with a Lossnay unit, the air blow noise level is quieter at fan speed 4.
Please refer to the "Direct Expansion coil unit for Lossnay" catalogue.
- Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere.
This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.