LOSSNAY SYSTEM

SELECTION

LOSSNAY lineup consists of two types of ventilation: Energy Recovery Ventilation (ERV) and Heat Recovery Ventilation (HRV). Choose the model that best matches your building layout and indoor environment.

LOSSNAY LINEUP

Type	Core	Model / Airflow		150 CMH	250 CMH	350 CMH	500 CMH	650 CMH	800 CMH	1000 CMH	1600 CMH	2000 CMH	2500 CMH
LOSSNAY	ERV	LGH-RVX3 Series	Single decker 	●	●	●	●	●	●	●			
			Double decker 								●	●	
	ERV	LGH-RVXT3 Series 									●	●	●

*ERV = Energy recovery ventilator *HRV = Heat recovery ventilator

PRODUCT LINEUP

Commercial		Residential	
Ceiling Concealed Type		Vertical Type	Wall mounted Type
LGH-RVX3 Series ERV A commercially oriented system that can be used to deliver high performance and functions virtually anywhere. 	LGH-RVXT3 Series ERV Thin, large airflow models of the LGH series that deliver high performance and functions. 	VL-CZPVU Series HRV Vertical type for residential use. Centralized ventilation with sensible heat exchange. 	VL-50(E)S2-E ERV VL-50SR2-E Wall mounted models for smaller air volumes. They may be installed both horizontally and vertically. 

*ERV: Enegy recovery ventilator *HRV: Heat recovery ventilator

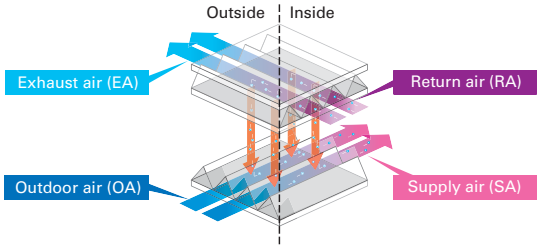
Commercial Use LOSSNAY

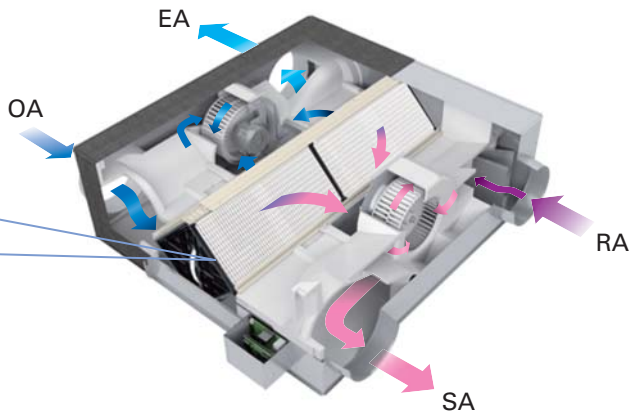
LGH SERIES

Optimized Indoor Air Quality 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**



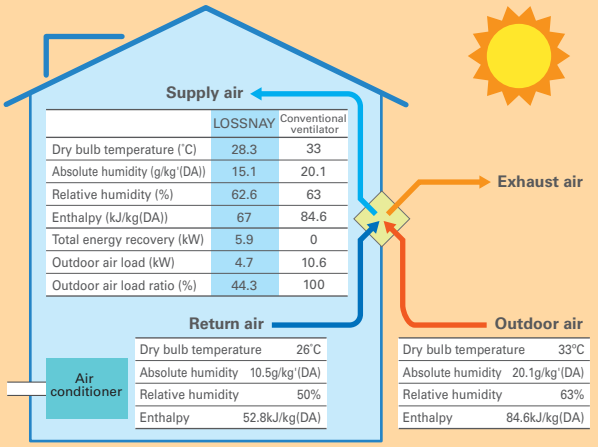


What is Improved by Introducing LOSSNAY?

● **Ventilation with maximized comfort**

In summer

Air that is similar to the conditions of cooled (dehumidified) indoor air is supplied.



	LOSSNAY	Conventional ventilator
Dry bulb temperature (°C)	28.3	33
Absolute humidity (g/kg'(DA))	15.1	20.1
Relative humidity (%)	62.6	63
Enthalpy (kJ/kg(DA))	67	84.6
Total energy recovery (kW)	5.9	0
Outdoor air load (kW)	4.7	10.6
Outdoor air load ratio (%)	44.3	100

Return air	
Dry bulb temperature	26°C
Absolute humidity	10.5g/kg'(DA)
Relative humidity	50%
Enthalpy	52.8kJ/kg(DA)

Outdoor air	
Dry bulb temperature	33°C
Absolute humidity	20.1g/kg'(DA)
Relative humidity	63%
Enthalpy	84.6kJ/kg(DA)

Heat recovery calculation

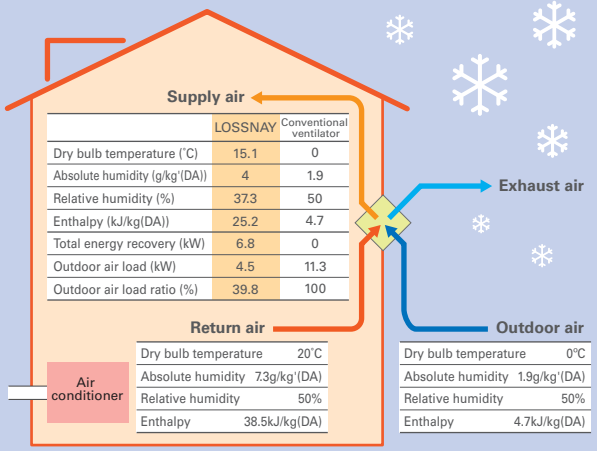
Indoor supply air temperature (°C) = Outdoor temperature (°C) − { Outdoor temperature (°C) − Indoor temperature (°C) } × Temp. recovery efficiency (%)

Calculation example: 28.3°C = 33°C - (33°C - 26°C) × 67.5%

*The above applies to the case of LGH-100RVX3-E. (1000m³/h)

In winter

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



	LOSSNAY	Conventional ventilator
Dry bulb temperature (°C)	15.1	0
Absolute humidity (g/kg'(DA))	4	1.9
Relative humidity (%)	37.3	50
Enthalpy (kJ/kg(DA))	25.2	4.7
Total energy recovery (kW)	6.8	0
Outdoor air load (kW)	4.5	11.3
Outdoor air load ratio (%)	39.8	100

Return air	
Dry bulb temperature	20°C
Absolute humidity	7.3g/kg'(DA)
Relative humidity	50%
Enthalpy	38.5kJ/kg(DA)

Outdoor air	
Dry bulb temperature	0°C
Absolute humidity	1.9g/kg'(DA)
Relative humidity	50%
Enthalpy	4.7kJ/kg(DA)

Heat recovery calculation

Indoor supply air temperature (°C) = { Indoor temperature (°C) − Outdoor temperature (°C) } × Temp. recovery efficiency (%) + Outdoor temperature (°C)

Calculation example: 15°C = (20°C - 0°C) × 75.5% + 0°C

*The above applies to the case of LGH-100RVX3-E. (1000m³/h)

Installation Image

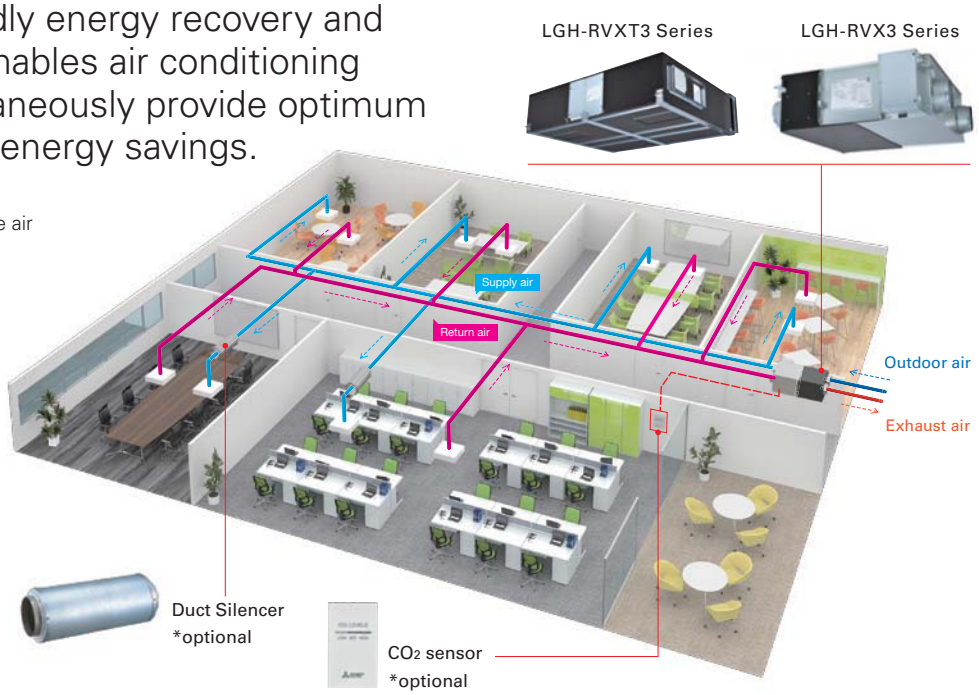
Mitsubishi Electric offers Energy Recovery Ventilation and Heat Recovery Ventilation solutions for optimizing building air quality by using LOSSNAY.

Energy Recovery Ventilation

A total heat exchange ventilation system that uses paper characteristics (LOSSNAY core) to perform temperature (sensible heat) and humidity (latent heat) exchange.

Environment friendly energy recovery and humidity control enables air conditioning systems to simultaneously provide optimum room comfort and energy savings.

- ✓ Total heat exchanger
- ✓ Eliminates excess humidity in the air
- ✓ Wide airflow lineup

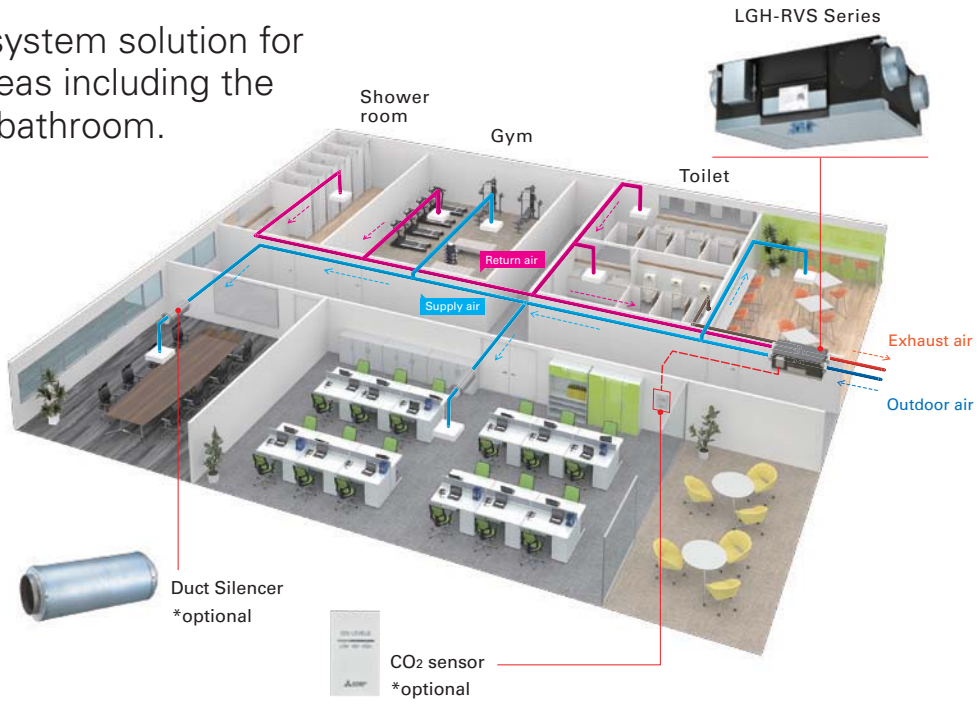


Heat Recovery Ventilation

A heat exchange ventilation system that uses a heat exchanger (LOSSNAY core) to perform temperature (sensible heat) exchange.

Offering the best system solution for ventilation of all areas including the shower room and bathroom.

- ✓ Heat exchanger
- ✓ Installation in sanitary areas
- ✓ CO_2 sensor control

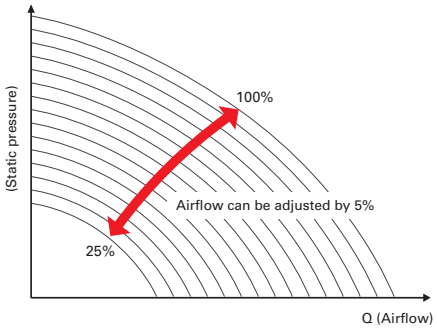


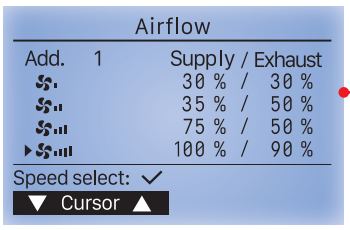
Features of LGH Series

Controllability

Flexible airflow setting

The default fan speed value (Fan speed 1: 25%, Fan speed 2: 50%, Fan speed 3: 75%, and Fan speed 4: 100%) of both supply air and exhaust air can be adjusted flexibly. Within the range between 25% and 100%, airflow can be adjusted by 5% increments to satisfactorily meet the designed airflow rate.

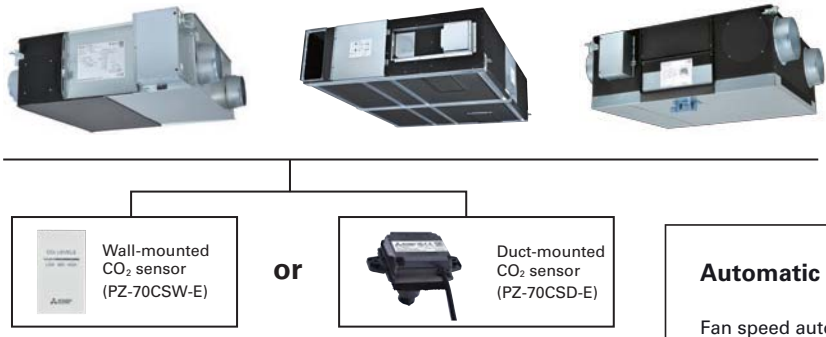




PZ-62DR-EA/EB

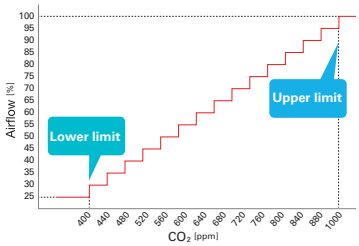
CO_2 sensor

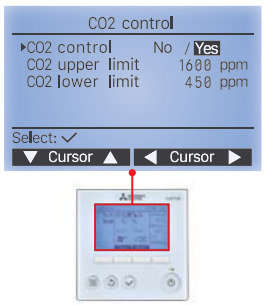
A CO_2 sensor connected directly to a LOSSNAY RVX3 unit optimizes the fan speed according to the detected CO_2 level.
It improves total heat exchange efficiency and contributes to energy savings.



Two types of CO_2 sensors are available: wall-mounted and duct-mounted types.
Power is supplied to the CO_2 sensor from the LOSSNAY board.

Fan speed automatically changes from 25% to 100% (16 steps) depending on the CO_2 concentration level.





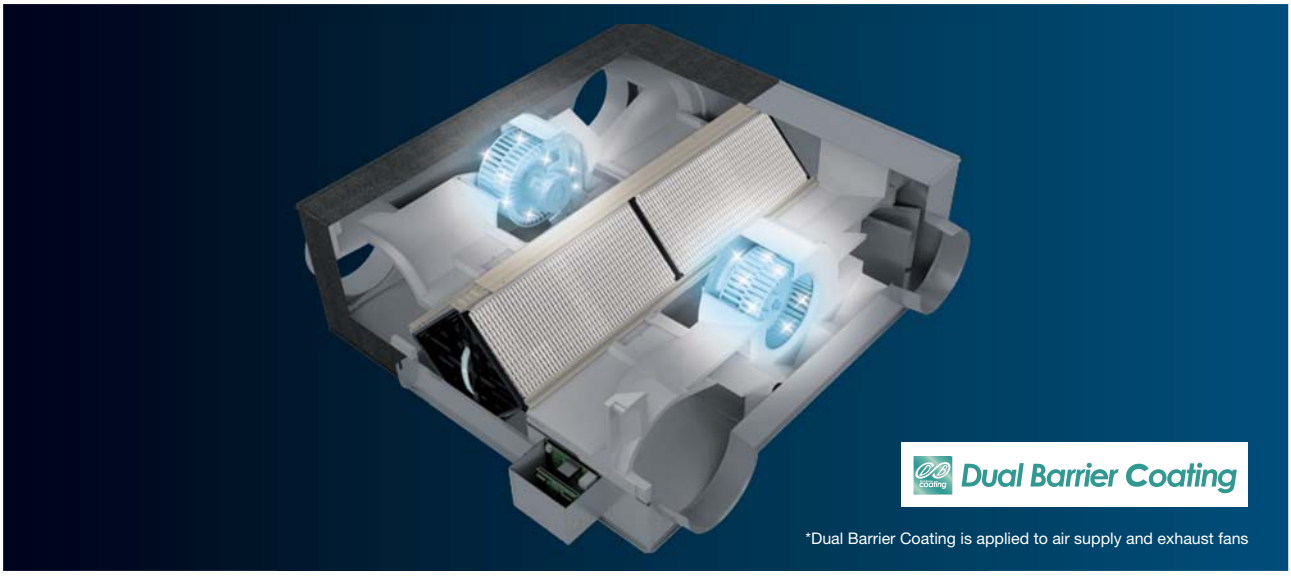
PZ-62DR-EA/EB

Both upper and lower limits can be adjusted.
Upper limit: from 600 to 2000 ppm.
Lower limit: from 300 to (upper limit –300) ppm.
50 ppm increments.

Automatic operation with CO_2 sensor

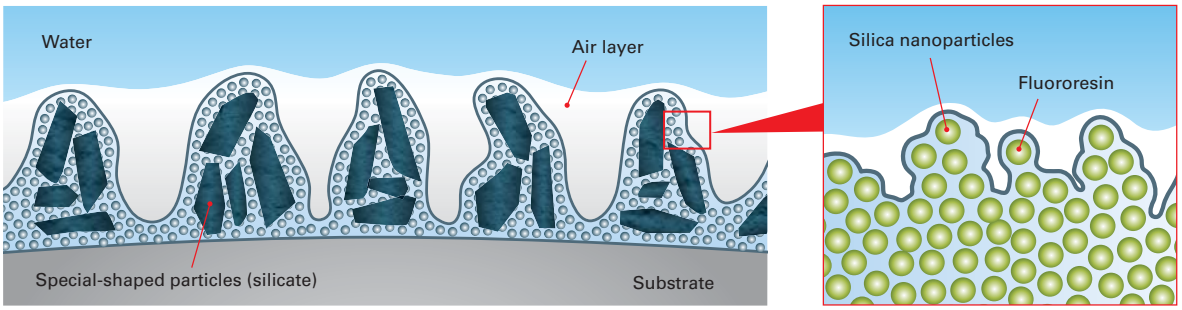
Fan speed automatically changes depending on CO_2 concentration.

Dual Barrier Coating



A water-repellent effect is achieved by a coating film that has nano-sized concave-convex structures formed by silica nanoparticles made of water-repellent fluororesin, in addition to micron-sized concave-convex structures formed by combining micron-sized special-shaped particles (silicate) with the silica nanoparticles. The uneven structure forms an air layer that suppresses the adhesion of dust and sand that contain a lot of humidity, and reduces the amount of dirt that adheres to the substrate.

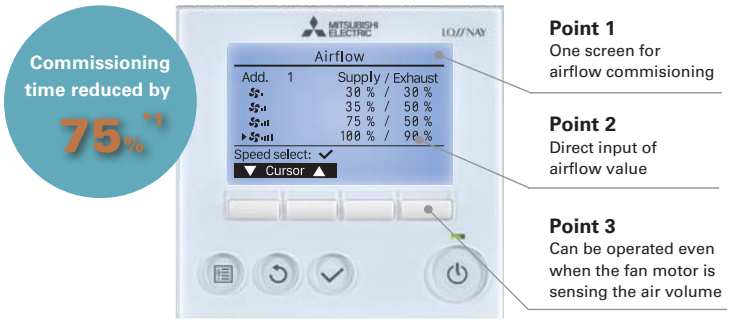
■ Conceptual image of dual barrier coating



Installation Work

Short Commissioning Time with the New Remote Controller

New Remote Controller PZ-62DR-EA/EB, Supply and Exhaust air volume from FS1 to FS4 directly on one screen. It can also be operated while the fan motor is sensing the air volume.
By using PZ-62DR-EA/EB, the commissioning time for LGH-RVX3 is reduced by 75%*1 compared to the previous RVX series.



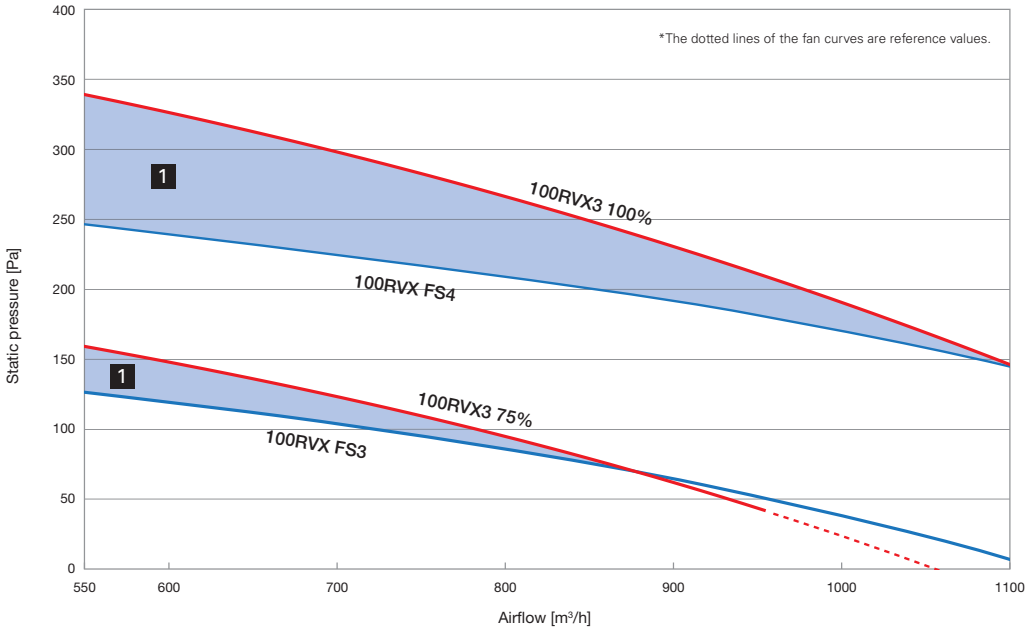
PZ-62DR-EA/EB

*1: The average reduction rate when installing LGH-100RVX-E with PZ-61DR-E and LGH-100RVX3-E with PZ-62DR-EA/EB.
Setting work involves changing the supply/exhaust air volume. The time that can be reduced varies depending on the operator and work conditions.

RVX3 SERIES

High Static Pressure

External static pressure has been improved compared to previous models. Accompanying this increase in external static pressure, the selection range of models and filters has also expanded. Furthermore, flexible duct work has become possible.



1 Increased static pressure.

Flexible Vertical and Horizonal Installation

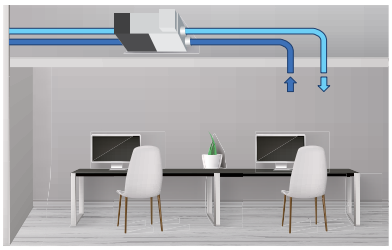
For RVX3 series, vertical installation has become possible for greater flexibility of installation locations. By using optional parts, the unit can be installed in places such as the machine room where only vertical installation is possible.

■Vertical Installation Plates

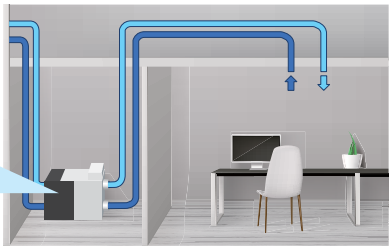
Model name	LOSSNAY
PZ-1VS-E	LGH-15RVX3-E
	LGH-25RVX3-E
	LGH-35RVX3-E
	LGH-50RVX3-E
PZ-2VS-E	LGH-65RVX3-E
	LGH-80RVX3-E
	LGH-100RVX3-E

*Not applicable to LGH-160RVX3-E and LGH-200RVX3-E.
*Please follow the installation manual when you install RVX3 series vertically.

Horizontal installation



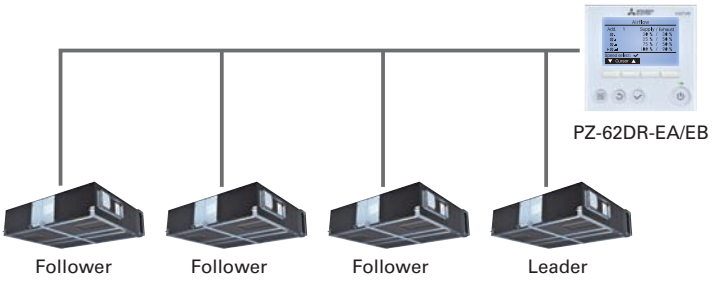
Vertical installation



RVXT3 SERIES

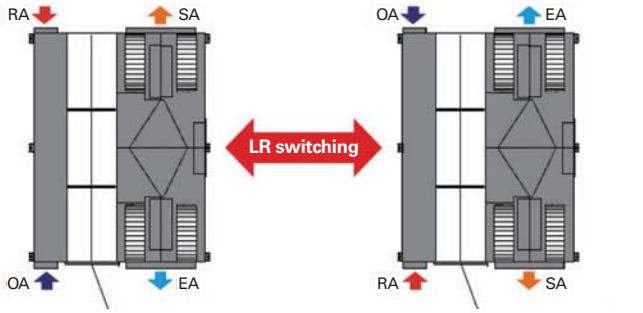
Large Airflow as One Unit: Leader-follower Function

- Multiple LOSSNAY units can be operated in synchronization as a single large airflow unit.
- A maximum of four units can be connected.
  In the case of four LGH-250RVXT3-E units, total air volume is approx. 10,000m³/h.*
  *Actual aiflow depends on system design and site condition.
- Only same model can be in one group.
- PZ-62DR-EA/EB connection is required for this control.
- The maximum number of LOSSNAY units that can be connected in one group is four (one leader unit and three follower units).



Adaptable Installation: LR Switching

- Airflow direction can be changed using DIP switches.
- The indoor (SA/RA) and outdoor (OA/EA) sides can be switched depending on installation space.
- This facilitates ductwork and allows enough space for maintenance.
  *The unit cannot be flipped upside down.



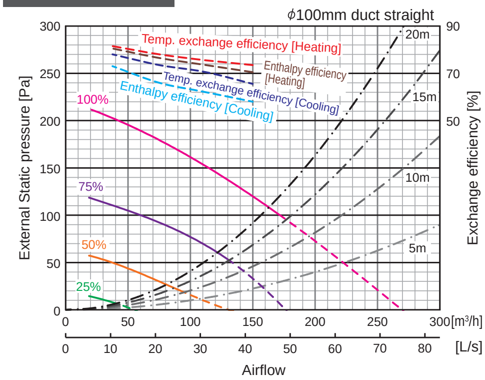
Specifications
RVX3 SERIES

Model		LGH-15RVX3-E				LGH-25RVX3-E				LGH-35RVX3-E			
Electrical power supply		220-240V/50Hz, 220V/60Hz				220-240V/50Hz, 220V/60Hz				220-240V/50Hz, 220V/60Hz			
Fan speed		4	3	2	1	4	3	2	1	4	3	2	1
Default Airflow setting		100%	75%	50%	25%	100%	75%	50%	25%	100%	75%	50%	25%
Input power (W)*1		55	30	15	10	75	42	21	11	120	61	29	15
Airflow*1	(m^3/h)	150	113	75	38	250	188	125	63	350	263	175	88
	(L/s)	42	31	21	10	69	52	35	17	97	73	49	24
Specific fan power [W/(L/s)]*1		1.32	0.96	0.72	0.96	1.08	0.81	0.60	0.63	1.23	0.84	0.60	0.62
External static pressure (Pa)*1		120	68	30	8	120	68	30	8	160	90	40	10
Temperature exchange efficiency (%)*1	Heating	73.5	75.5	78.0	81.5	75.5	78.5	81.0	88.0	75.0	77.0	79.0	82.0
	Cooling	65.5	70.5	73.5	78.0	70.5	76.5	79.0	85.0	66.5	71.0	74.0	79.0
Enthalpy exchange efficiency (%)*1	Heating	70.5	73.5	76.5	80.5	69.0	72.0	75.5	84.0	72.0	74.5	77.5	80.0
	Cooling	58.0	62.0	66.0	73.0	59.0	63.5	68.0	75.0	60.0	64.5	68.5	74.5
Noise (dB)*2		27.0	22.0	18.0	17.0	30.5	25.0	19.5	17.0	30.5	24.5	19.0	17.0
Exhaust air transfer ratio (%)*3		5				5				5			
Weight (kg)		20				22				30			
Maximum input power (W)		74				119				196			

*Input power, efficiency, and noise are based on rated air volume, 230V/50Hz and horizontal installation. *1 : Measured according to ISO 16494-1: 2022
*2 : A-weighted sound pressure level measured at 1.5m under the center of the unit in an anechoic chamber. *3 : Measured according to EN308: 2022 / FS3

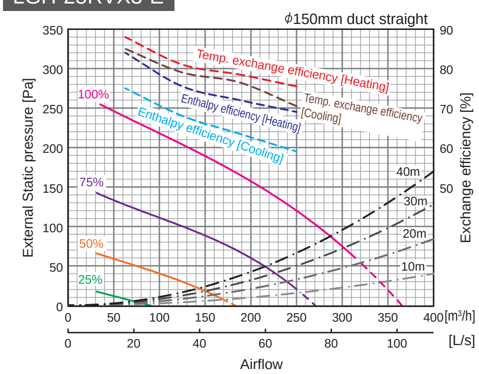
Characteristic curve

LGH-15RVX3-E



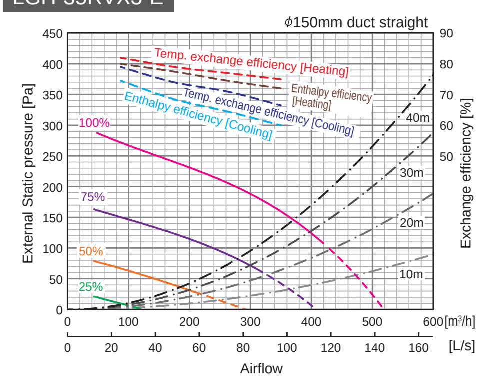
*The dotted lines of the fan curves are reference values.

LGH-25RVX3-E



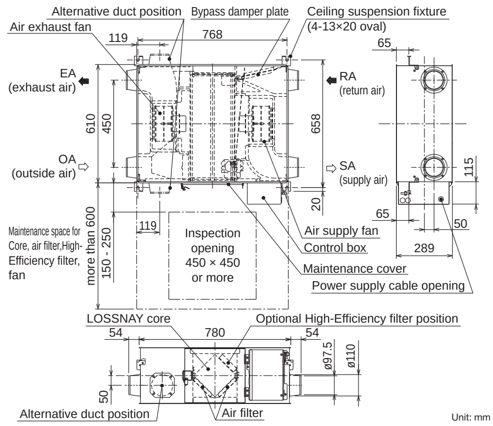
*The dotted lines of the fan curves are reference values.

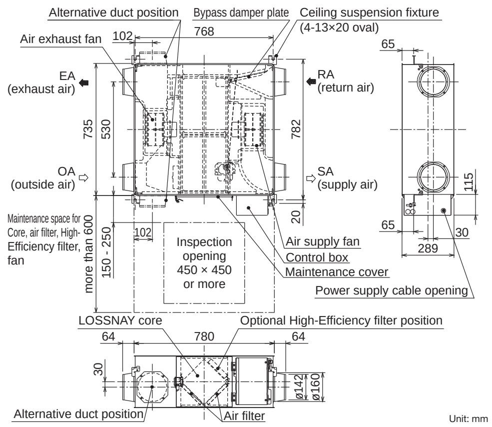
LGH-35RVX3-E

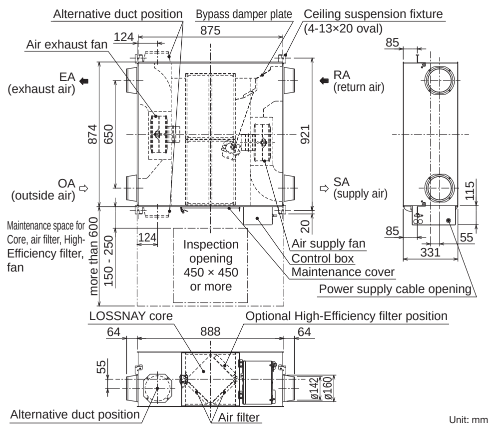


*The dotted lines of the fan curves are reference values.

Outline drawings







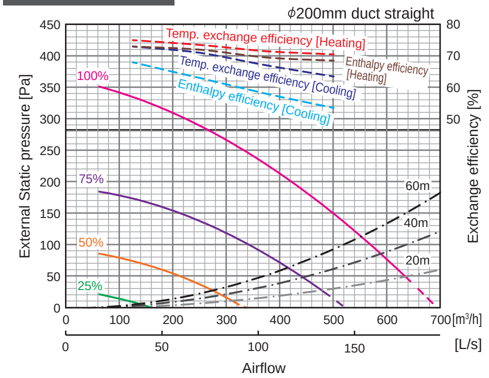
*Specifications may be subject to change without notice.

Model		LGH-50RVX3-E				LGH-65RVX3-E				LGH-80RVX3-E			
Electrical power supply		220-240V/50Hz, 220V/60Hz				220-240V/50Hz, 220V/60Hz				220-240V/50Hz, 220V/60Hz			
Fan speed		4	3	2	1	4	3	2	1	4	3	2	1
Default Airflow setting		100%	75%	50%	25%	100%	75%	50%	25%	100%	75%	50%	25%
Input power (W)*1		185	81	34	15	245	120	51	20	343	160	64	23
Airflow*1	(m^3/h)	500	375	250	125	650	488	325	163	800	600	400	200
	(L/s)	139	104	69	35	181	135	90	45	222	167	111	56
Specific fan power [W/(L/s)]*1		1.33	0.78	0.49	0.43	1.36	0.89	0.56	0.44	1.54	0.96	0.58	0.41
External static pressure (Pa)*1		150	85	38	10	150	85	38	10	170	96	43	11
Temperature exchange efficiency (%)*2	Heating	70.5	71.5	73.5	75.0	72.5	75.0	78.5	82.0	75.0	76.5	78.0	80.0
	Cooling	63.5	67.0	71.0	73.0	65.0	70.0	74.5	80.0	65.0	70.0	75.5	78.0
Enthalpy exchange efficiency (%)*2	Heating	68.5	69.5	72.0	73.0	69.5	72.0	76.5	80.0	62.0	65.0	70.5	73.5
	Cooling	53.5	58.0	63.0	68.0	55.5	60.0	66.5	74.0	54.5	58.5	65.0	70.5
Noise (dB)*3		35.0	27.0	21.0	17.0	37.5	31.5	24.0	17.5	39.0	33.5	25.0	18.0
Exhaust air transfer ratio (%)*4		5				5				5			
Weight (kg)		33				41				47			
Maximum input power (W)		277				360				503			

*Input power, efficiency, and noise are based on rated air volume, 230V/50Hz and horizontal installation.
*1 : Measured according to (LGH-50RVX3-E) ISO 16494-1: 2022, (LGH-65/80RVX3-E) EN13053: 2019
*2 : Measured according to (LGH-50RVX3-E) ISO 16494-1: 2022, (LGH-65/80RVX3-E) EN308: 2022
*3 : A-weighted sound pressure level measured at 1.5m under the center of the unit in an anechoic chamber. *4 : Measured according to EN308: 2022 / FS3

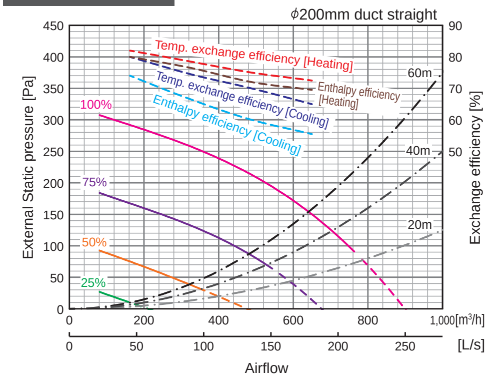
Characteristic curve

LGH-50RVX3-E



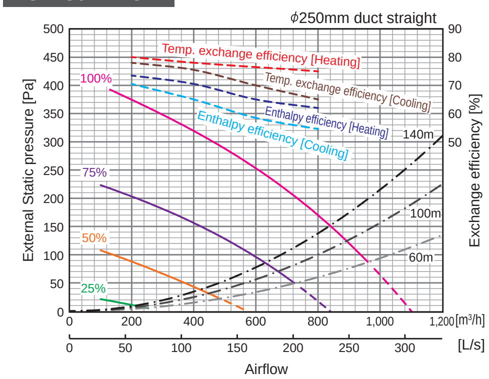
*The dotted lines of the fan curves are reference values.

LGH-65RVX3-E



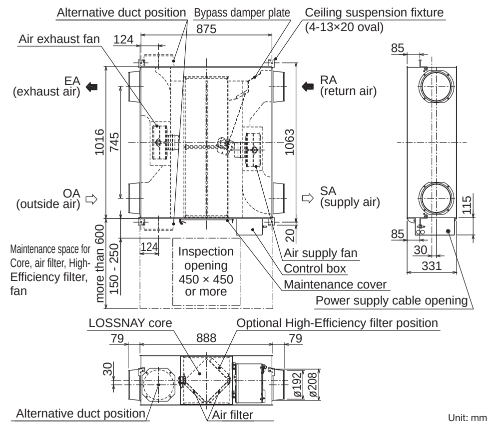
*The dotted lines of the fan curves are reference values.

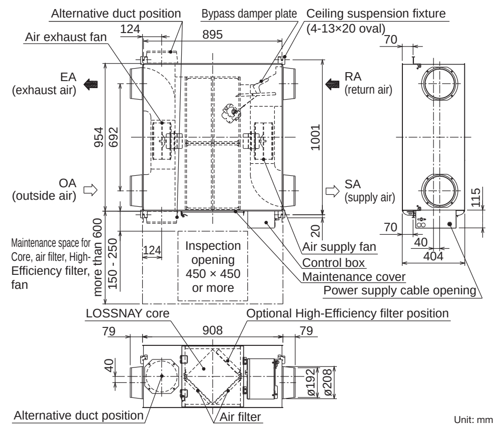
LGH-80RVX3-E

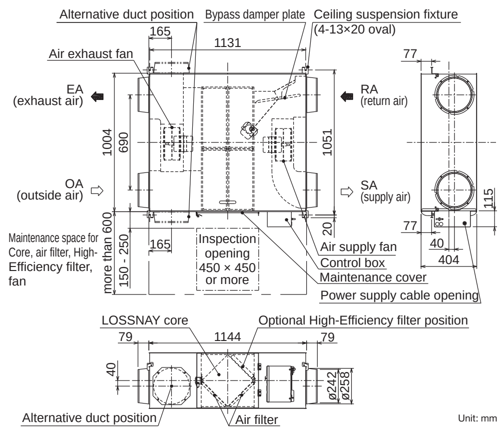


*The dotted lines of the fan curves are reference values.

Outline drawings







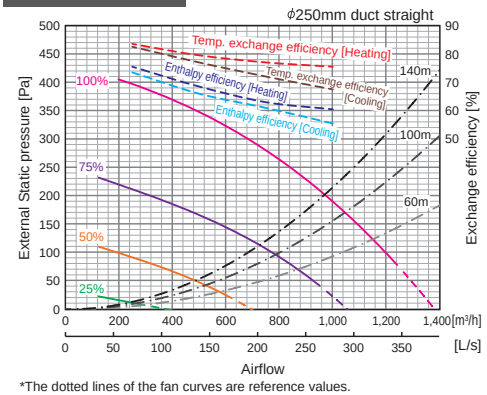
*Specifications may be subject to change without notice.

Model		LGH-100RVX3-E				LGH-160RVX3-E				LGH-200RVX3-E			
Electrical power supply		220-240V/50Hz, 220V/60Hz				220-240V/50Hz, 220V/60Hz				220-240V/50Hz, 220V/60Hz			
Fan speed		4	3	2	1	4	3	2	1	4	3	2	1
Default Airflow setting		100%	75%	50%	25%	100%	75%	50%	25%	100%	75%	50%	25%
Input power (W)*1		438	210	83	27	687	324	128	45	855	416	163	57
Airflow*1	(m^3/h)	1000	750	500	250	1600	1200	800	400	2000	1500	1000	500
	(L/s)	278	208	139	69	444	333	222	111	556	417	278	139
Specific fan power [W/(L/s)]*1		1.58	1.01	0.60	0.39	1.55	0.97	0.58	0.41	1.54	1.00	0.59	0.41
External static pressure (Pa)*1		190	107	48	12	170	96	43	11	170	96	43	11
Temperature exchange efficiency (%)*2	Heating	75.5	77.0	79.5	83.5	75.0	76.5	78.0	80.0	76.5	77.5	79.5	83.5
	Cooling	67.5	72.0	77.0	82.5	65.0	70.0	75.5	78.0	66.5	71.5	76.0	82.5
Enthalpy exchange efficiency (%)*2	Heating	60.5	63.0	68.5	75.5	62.0	65.0	70.5	73.5	60.5	64.0	67.5	76.0
	Cooling	55.5	61.0	66.0	73.5	54.5	58.5	65.0	70.5	57.0	60.0	65.0	71.0
Noise (dB)*3		40.0	35.0	27.0	18.5	41.0	35.0	26.0	18.0	41.5	36.0	27.5	18.0
Exhaust air transfer ratio (%)*4		5				5				5			
Weight (kg)		53				96				108			
Maximum input power (W)		646				798				915			

*Input power, efficiency, and noise are based on rated air volume, 230V/50Hz and horizontal installation.
*1 : Measured according to EN13053: 2019 *2 : Measured according to EN308: 2022
*3 : A-weighted sound pressure level measured at 1.5m under the center of the unit in an anechoic chamber. *4 : Measured according to EN308: 2022 / FS3

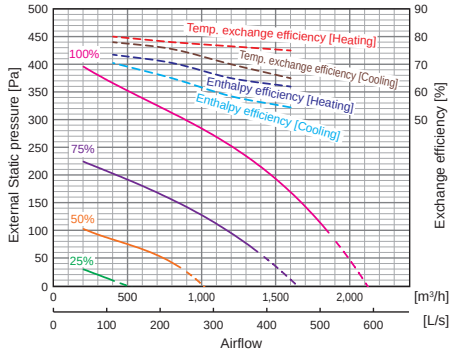
Characteristic curve

LGH-100RVX3-E



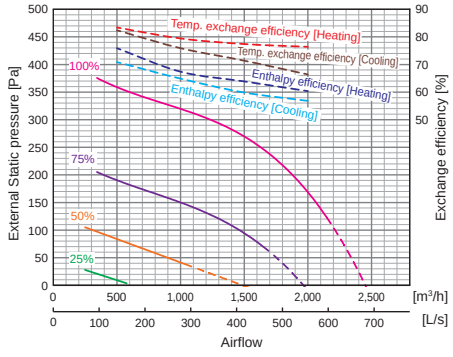
*The dotted lines of the fan curves are reference values.

LGH-160RVX3-E



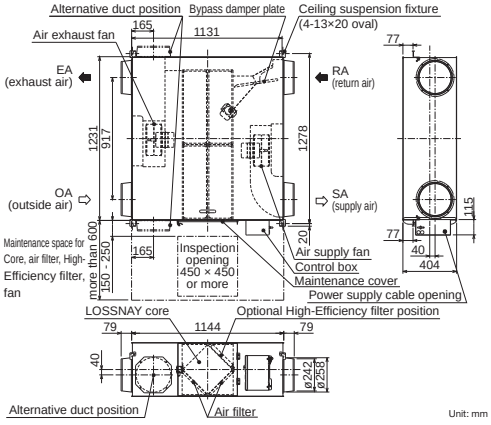
*The dotted lines of the fan curves are reference values.

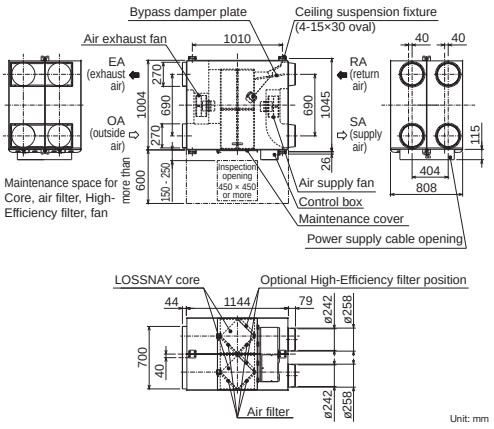
LGH-200RVX3-E

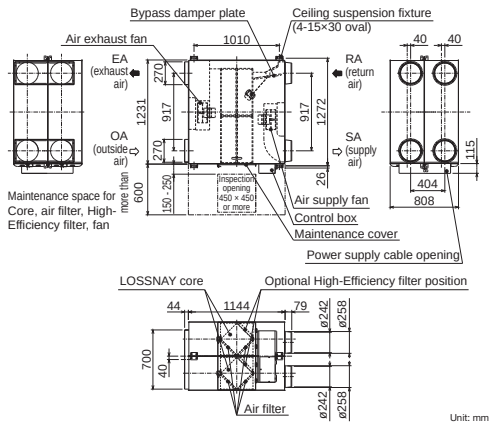


*The dotted lines of the fan curves are reference values.

Outline drawings







*Specifications may be subject to change without notice.

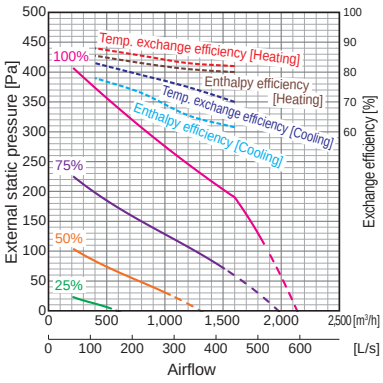
RVXT3 SERIES

Model		LGH-160RVXT3-E				LGH-200RVXT3-E				LGH-250RVXT3-E			
Electrical power supply		380-415V/3N~ 50Hz, 380V/3N~ 60Hz				380-415V/3N~ 50Hz, 380V/3N~ 60Hz				380-415V/3N~ 50Hz, 380V/3N~ 60Hz			
Fan speed		4	3	2	1	4	3	2	1	4	3	2	1
Default airflow setting		100%	75%	50%	25%	100%	75%	50%	25%	100%	75%	50%	25%
Input power (W)*1	L1-N	0	0	0	0	0	0	0	0	0	0	0	0
	L2-N	354	184	72	23	522	249	96	28	724	348	142	43
	L3-N	354	184	72	23	522	249	96	28	724	348	142	43
	Total	708	368	144	46	1044	498	192	56	1448	696	284	86
Airflow*1	(m^3/h)	1600	1200	800	400	2000	1500	1000	500	2500	1875	1250	625
	(L/s)	444	333	222	111	556	417	278	139	694	521	347	174
Specific fan power (W/(L/s))*1		1.59	1.10	0.65	0.41	1.88	1.20	0.69	0.40	2.09	1.34	0.82	0.50
External static pressure (Pa)*1		190	107	48	12	190	107	48	12	190	107	48	12
Temperature exchange efficiency (%)*2	Heating	82.0	83.0	85.5	88.0	80.0	81.0	83.0	86.0	77.0	78.0	80.0	84.0
	Cooling	70.0	75.0	79.0	83.0	67.5	73.0	78.0	82.0	65.0	70.5	76.5	81.0
Enthalpy exchange efficiency (%)*2	Heating	80.0	81.0	83.0	85.5	78.5	79.5	81.5	84.5	75.0	76.0	78.0	81.5
	Cooling	61.5	65.5	73.0	78.0	56.5	61.0	67.5	75.0	54.0	59.0	66.0	73.0
Noise (dB)*3		38.0	33.0	26.0	19.5	40.0	35.0	28.0	21.0	44.0	38.0	31.5	23.0
Exhaust air transfer ratio (%)*4		5.0				5.0				5.0			
Weight (kg)		172				172				172			
Maximum input power (W) (380-415V 3N~ 50Hz/380V 3N~ 60Hz)	Total	740-720/740				1060-1040/1060				1480-1460/1500			

* Input power, efficiency, and noise are based on rated airflow, 400V/50Hz. ** In bypass mode, the maximum airflow is 70% of heat recovery mode. The same applies to the Night-purge function.
*1 : Measured according to EN13053: 2019 *2 : Measured according to EN308: 2022
*3 : A-weighted sound pressure level measured at 1.5m under the center of the unit in an anechoic chamber. *4 : Measured according to EN308: 2022 / 75% fan speed

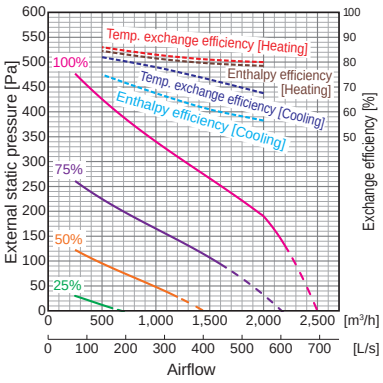
Characteristic curve

LGH-160RVXT3-E



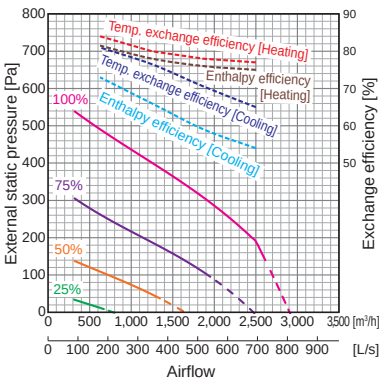
*The dotted lines of the fan curves are reference values.

LGH-200RVXT3-E



*The dotted lines of the fan curves are reference values.
*Leader-follower function is not available when external static pressure is more than 460Pa.

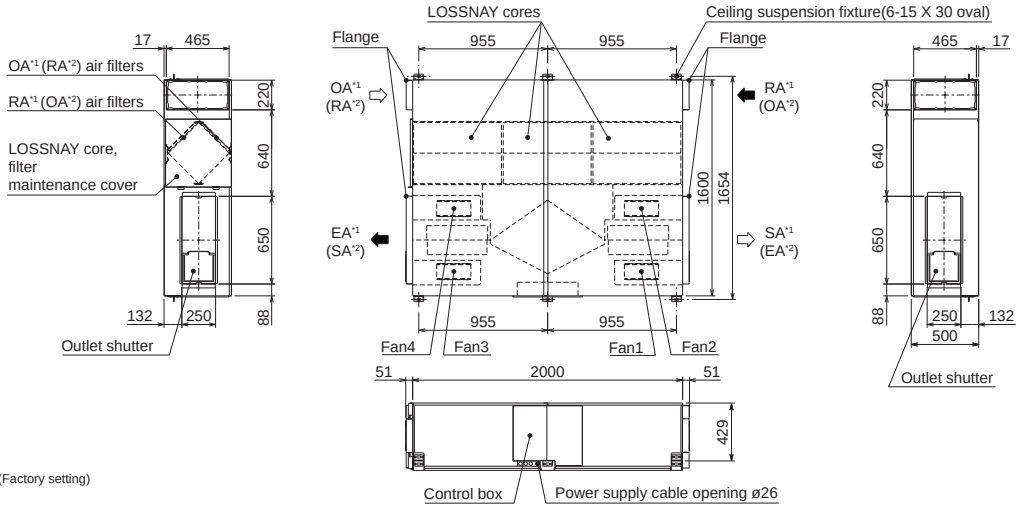
LGH-250RVXT3-E



*The dotted lines of the fan curves are reference values.
*Leader-follower function is not available when external static pressure is more than 460Pa.

Outline drawings

LGH-160RVXT3-E LGH-200RVXT3-E LGH-250RVXT3-E



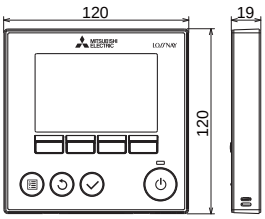
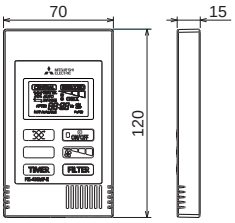
SA [supply air]
EA [exhaust air outlet]
RA [return air]
OA [outside air intake]
*1 : LR switching is OFF (Factory setting)
*2 : LR switching is ON

Unit (mm)

*Specifications may be subject to change without notice.

CONTROL TECHNOLOGIES

Compatibility Table

Model	PZ-62DR-EA/EB	PZ-43SMF-E
Image		
Dimension	 Unit (mm)	 Unit (mm)
Remote Controller Compatibility Table		
Model name	PZ-62DR-EA/EB	PZ-43SMF-E
Compatible series	LGH-RVX3/RVXT3/RVS	LGH-RVX3/RVXT3/RVS
Fan speed selection	4 fan speeds and Auto (Auto is available when using a CO_2 sensor)	2 of 4 fan speeds
Control with a CO_2 sensor (Mitsubishi Electric and field supply)	Yes (Fan speed automatically changes from 25% to 100% depending on the CO_2 concentration*)	No
Ventilation mode selection	Energy recovery/Bypass/Auto	Energy recovery/Bypass/Auto
Night purge	Yes	No
Function setting with remote controller	Yes	No
Bypass temp. free setting	Yes	No
Flexible airflow setting	Yes (Both supply and exhaust fan speeds can be set separately from 25% to 100% in 5% pitches)	No
ON/OFF timer	Yes	Yes
Auto-off timer	Yes	No
Weekly timer	Yes	No
Fan speed timer	Yes	No
Operation restrictions (ON/OFF, ventilation mode, fan speed)	Yes	No
Operation restrictions (fan speed skip setting)	Yes	No
Screen contrast adjustment	Yes	No
Language selection	Yes (17 languages)	No (English only)
CO_2 concentration indication (Mitsubishi Electric and field supply)	Yes	No
Filter cleaning sign	Yes (Maintenance interval can be changed)	Yes
LOSSNAY core cleaning sign	Yes/No (RVS Series)	No
Error indication	Yes (Displays model name, serial number, contact information)	Yes
Error history	Yes	No
OA/RA/SA temp. display	Yes	No

*When using a CO_2 sensor. Upper and lower limits may differ.

Remote Control Language Table

Language	English	German	Spanish	French	Italian	Russian	Portuguese	Swedish	Dutch	Turkish	Polish	Greek	Czech	Hungarian	Slovenian	Bulgarian	Danish
-EA	●	●	●	●		●			●	●	●		●	●		●	
-EB	●	●	●	●	●		●	●				●			●		●

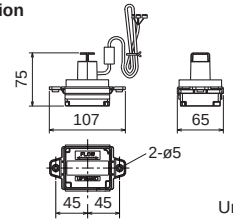
CO_2 Sensors

Connecting a CO_2 sensor directly to the LOSSNAY unit will optimize fan speed according to the level of CO_2 detected.

PZ-70CSD-E (Duct-mounted type)

Mounted in the duct with all the wiring hidden in the ceiling.

Dimension

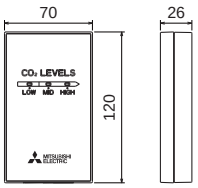


Unit (mm)

PZ-70CSW-E (Wall-mounted type)

Mounted on the wall. CO_2 is monitored in 3 levels.

Dimension



*A 10m cable is included as a connection accessory.

Unit (mm)

Vertical Installation Plates

PZ-1VS-E, PZ-2VS-E

EA side plate RA side plate

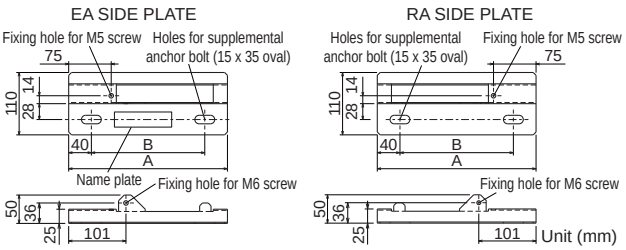
Parts used to install RVX3 vertically.

Change dimension table (Unit: mm)

Model	A	B	Weight (kg)	Applicable model
PZ-1VS-E	280	200	1.2	LGH-15 to 50RVX3-E
PZ-2VS-E	380	300	1.6	LGH-65 to 100RVX3-E

*Not applicable to LGH-160/200RVX3-E

Dimension



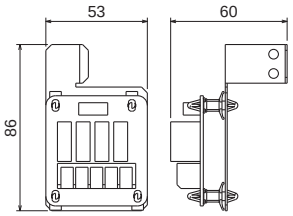
Unit (mm)

Signal Output Terminal

PZ-4GS-E

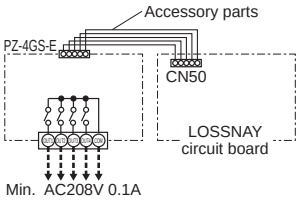
The PCBs of RVX3, RVXT3, RVS have only one output terminal. By using PZ-4GS-E, four more output terminals can be added to the units.

Dimension



Unit (mm)

Wiring diagram



Min. AC208V 0.1A
DC5V 0.1A
Max. AC240V 1A
DC24V 1A
(Up to 1.5A for common terminals)

*Wiring work must be performed by a qualified professional

Duct Silencer

The duct silencer connects to the LOSSNAY unit to reduce airflow noise.

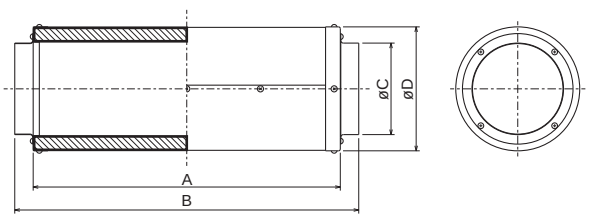
Specifications

Model	Airflow (m^3/h)	Attenuation of sound power level [dB] at center frequency (discharge)							
		62.5Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz
PZ-100SS-E	50	0	3	5	7	6	6	6	8
	150	0	3	6	7	7	7	7	9
PZ-150SS-E	250	0	1	5	8	15	21	20	14
	350	0	1	4	8	14	21	21	16
PZ-200SS-E	500	0	1	4	7	13	18	16	9
	650	0	1	3	8	12	17	14	6
PZ-250SS-E	800	0	2	4	12	22	21	14	13
	1000	0	1	4	12	22	20	14	13

1. Figures in the chart above are based on a comparison with a general steel duct of the same length.
2. The silencer is placed just before the outlet during the measurement.
3. When the airflow rate differs, attenuation will also differ from the chart above.
4. Figures in the chart above are flat (not-weighted) values.

● Some ratings and specifications may change due to product improvements or modifications.

Dimension



Unit (mm)

Change dimension table (Unit: mm)

Model	A	B	C	D	Connectable Duct	Weight (kg)
PZ-100SS-E	400	450	99	152	ø100	1.9
PZ-150SS-E	500	560	149	202	ø150	3.5
PZ-200SS-E	600	660	199	252	ø200	5.3
PZ-250SS-E	600	660	249	332	ø250	8.9

Filters

Lineup and Classification

LOSSNAY			Filter				
Model	Filter		Name	Model	Material	Classification	
	Standard Setting	Optional Setting				ISO 16890: 2016	EN779: 2012
 LGH-RVX3 Series	●		Replacement filter (Coarse 60% filter)	PZ-**RF3-E	Non-woven fabric	Coarse 60%	–
		●	Advanced high-efficiency filter (ePM1 75% filter)	PZ-**RFP3-E	Synthetic fiber	ePM1 75%, ePM2.5 80%, ePM10 95%	–
		●*1	High-efficiency filter (M6 filter)	PZ-**RFM3-E	Synthetic fiber	–	M6
		●*1	Advanced high-efficiency filter (F8 filter)	PZ-**RFH3-E	Synthetic fiber	–	F8
 LGH-RVXT3 Series	●		Replacement filter (Coarse 60% filter)	PZ-250TRF-E	Non-woven fabric	Coarse 60%	-
		●	Advanced high-efficiency filter (ePM1 75%)	PZ-250TPF-E	Synthetic fiber	ePM1 75%, ePM2.5 80%, ePM10 95%	-
		●*1	High-efficiency filter (M6 filter)	PZ-250TMFR-E	Synthetic fiber	-	M6
		●*1	Advanced high-efficiency filter (F8 filter)	PZ-250THFR-E	Synthetic fiber	-	F8

*1: Designed for the Spanish market to comply with RITE (Regulation of Thermal Installations of Buildings)

For LGH-RVX3 SERIES

Filter							Package number for replacement	Installation location			
Image	Model		Dimension (mm)			Pieces per package		Numbers of filters			
		Applicable model	L	W	H				OA	RA	SA
Replacement filter (Coarse 60% filter) 	PZ-15RF3-E	LGH-15RVX3-E	549	125	20	2	1	2	1	1	–
	PZ-25RF3-E	LGH-25RVX3-E	654	151	15	2	1	2	1	1	–
	PZ-35RF3-E	LGH-35RVX3-E	784	178	15	2	1	2	1	1	–
	PZ-50RF3-E	LGH-50RVX3-E	926	178	15	2	1	2	1	1	–
	PZ-65RF3-E	LGH-65RVX3-E	852	213	15	2	1	2	1	1	–
	PZ-80RF3-E	LGH-80RVX3-E	890	238	15	2	1	2	1	1	–
		LGH-160RVX3-E					2	4	2	2	–
	PZ-100RF3-E	LGH-100RVX3-E	1117	238	15	2	1	2	1	1	–
		LGH-200RVX3-E					2	4	2	2	–
Advanced high-efficiency filter (ePM1 75% filter) 	PZ-15RFP3-E	LGH-15RVX3-E	542	104.5	25	1	1	1	–	–	1
	PZ-25RFP3-E	LGH-25RVX3-E	322	128.5	25	2	1	2	–	–	2
	PZ-35RFP3-E	LGH-35RVX3-E	390	158.5	25	2	1	2	–	–	2
	PZ-50RFP3-E	LGH-50RVX3-E	461	158.5	25	2	1	2	–	–	2
	PZ-65RFP3-E	LGH-65RVX3-E	423	197.5	25	2	1	2	–	–	2
	PZ-80RFP3-E	LGH-80RVX3-E	442	215.5	25	2	1	2	–	–	2
		LGH-160RVX3-E					2	4	–	–	4
	PZ-100RFP3-E	LGH-100RVX3-E	554	215.5	25	2	1	2	–	–	2
		LGH-200RVX3-E					2	4	–	–	4
High-efficiency filter*2 (M6 filter) 	PZ-15RFM3-E	LGH-15RVX3-E	542	125	13	1	1	1	1	–	–
	PZ-25RFM3-E	LGH-25RVX3-E	322	151	13	2	1	2	2	–	–
	PZ-35RFM3-E	LGH-35RVX3-E	390	178	13	2	1	2	2	–	–
	PZ-50RFM3-E	LGH-50RVX3-E	461	178	13	2	1	2	2	–	–
	PZ-65RFM3-E	LGH-65RVX3-E	423	213	13	2	1	2	2	–	–
	PZ-80RFM3-E	LGH-80RVX3-E	442	238	13	2	1	2	2	–	–
		LGH-160RVX3-E					2	4	4	–	–
	PZ-100RFM3-E	LGH-100RVX3-E	554	238	13	2	1	2	2	–	–
		LGH-200RVX3-E					2	4	4	–	–
Advanced high-efficiency filter*2 (F8 filter) 	PZ-15RFH3-E	LGH-15RVX3-E	542	104.5	25	1	1	1	–	–	1
	PZ-25RFH3-E	LGH-25RVX3-E	322	128.5	25	2	1	2	–	–	2
	PZ-35RFH3-E	LGH-35RVX3-E	390	158.5	25	2	1	2	–	–	2
	PZ-50RFH3-E	LGH-50RVX3-E	461	158.5	25	2	1	2	–	–	2
	PZ-65RFH3-E	LGH-65RVX3-E	423	197.5	25	2	1	2	–	–	2
	PZ-80RFH3-E	LGH-80RVX3-E	442	215.5	25	2	1	2	–	–	2
		LGH-160RVX3-E					2	4	–	–	4
	PZ-100RFH3-E	LGH-100RVX3-E	554	215.5	25	2	1	2	–	–	2
		LGH-200RVX3-E					2	4	–	–	4

*2: Designed for the Spanish market to comply with RITE (Regulation of Thermal Installations of Buildings)

For LGH-RVXT3 SERIES

Filter										Package number for replacement	Installation location				
Image	Model	Applicable model	Dimension (mm)						Pieces per package		Numbers of filters				
			Short			Long						OA	RA	SA	
			L	W	H	L	W	H				Long	Long	Short	Long
Replacement filter (Coarse 60% filter) 	PZ-250TRF-E	LGH-160RVXT3-E LGH-200RVXT3-E LGH-250RVXT3-E	-	-	-	995	285	15	Long : 4	1	4	2	2	-	-
Advanced high-efficiency filter (ePM1 75% filter) 	PZ-250TPF-E		663	286	25	1327	286	25	Short : 1 Long : 1	1	2	-	-	1	1
High-efficiency filter (M6 filter)[3*] 	PZ-250TMFR-E		-	-	-	1003	283	13	Long : 2	1	2	2	-	-	-
Advanced high-efficiency filter (F8 filter)[*3] 	PZ-250THFR-E		663	286	25	1327	286	25	Short : 1 Long : 1	1	2	-	-	1	1

*3: Designed for the Spanish market to comply with RITE (Regulation of Thermal Installations of Buildings)

*Specifications may be subject to change without notice.