

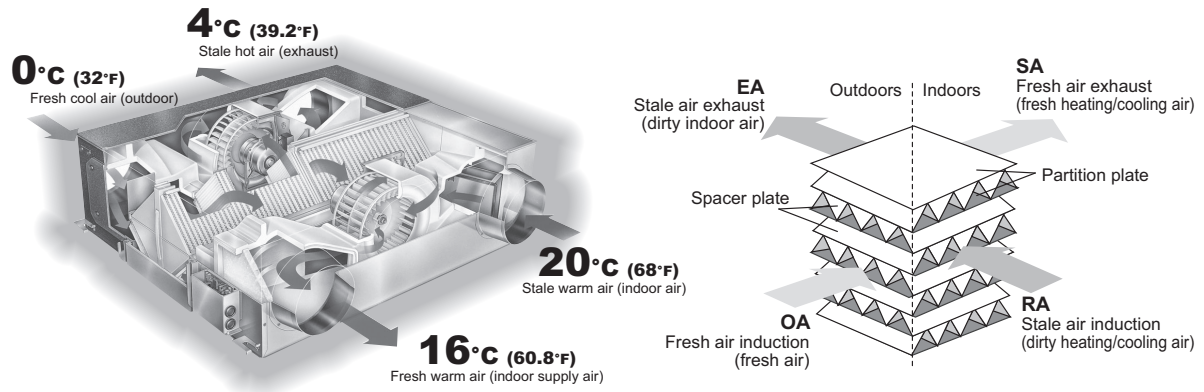
LGH-RVX-E

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Lossnay

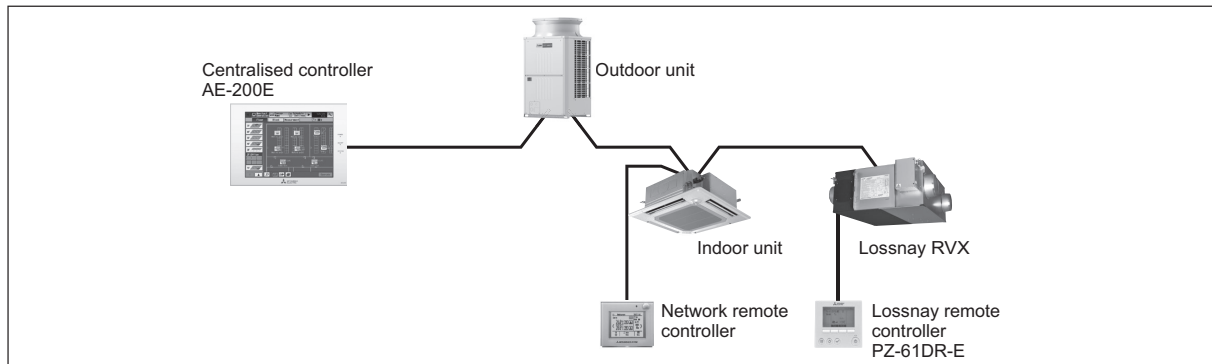
Lossnay is a perfect combination of heat recovery and ventilation, which is a leading edge product in the ventilation and air-conditioning field.

The Lossnay core is a special preserved paper made cross-flow and plate-fin structure, which is referable below.

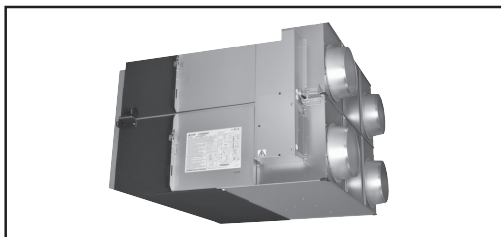
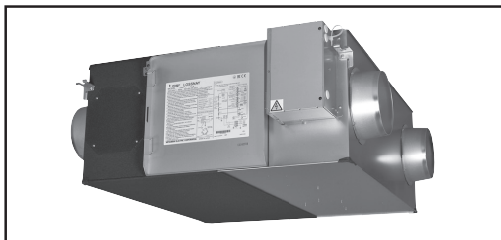


Lossnay

CITY MULTI can combine Lossnay into the air conditioning system, performing the best solution to ventilation and air-conditioning.



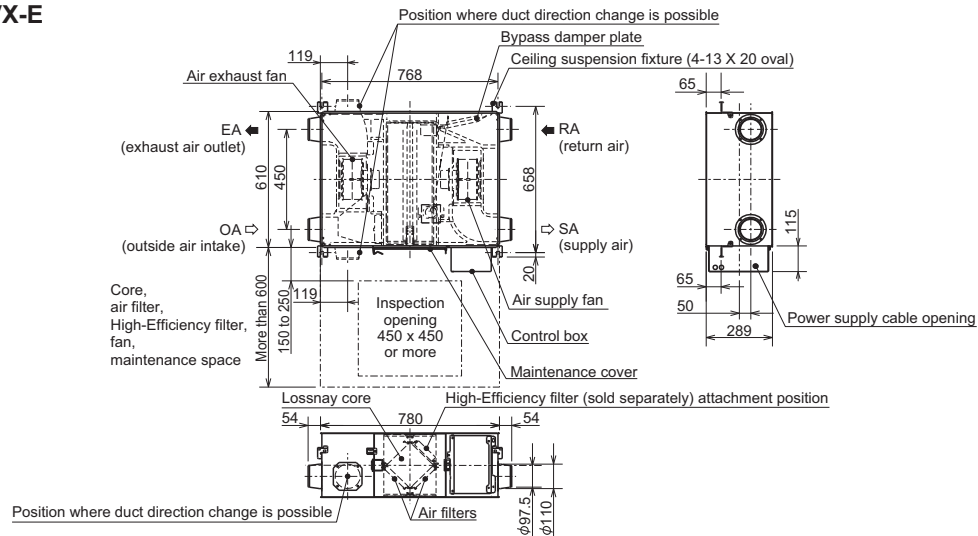
Line up of Lossnay units



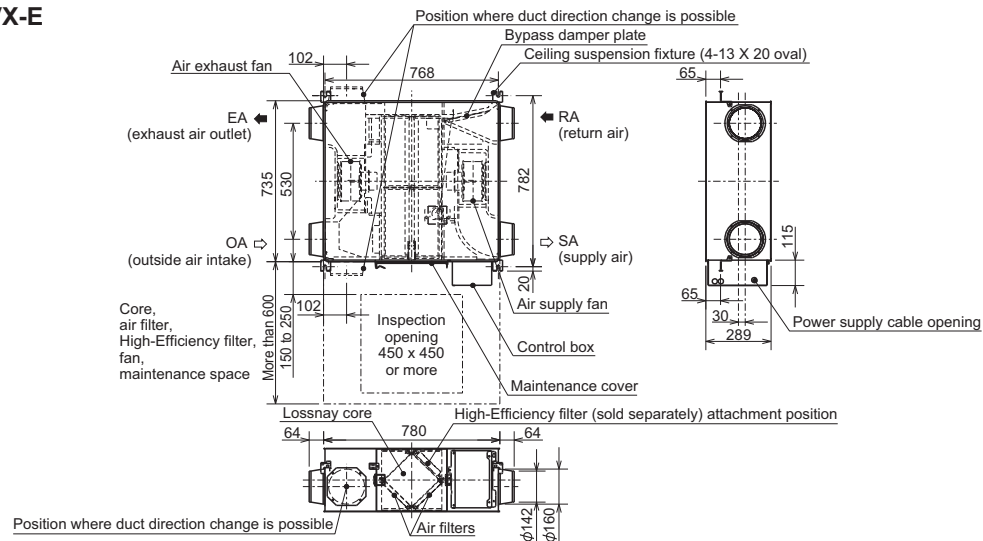
- LGH-15RVX-E [150m³/h Single phase 220-240V 50Hz/220V 60Hz]
- LGH-25RVX-E [250m³/h Single phase 220-240V 50Hz/220V 60Hz]
- LGH-35RVX-E [350m³/h Single phase 220-240V 50Hz/220V 60Hz]
- LGH-50RVX-E [500m³/h Single phase 220-240V 50Hz/220V 60Hz]
- LGH-65RVX-E [650m³/h Single phase 220-240V 50Hz/220V 60Hz]
- LGH-80RVX-E [800m³/h Single phase 220-240V 50Hz/220V 60Hz]
- LGH-100RVX-E [1000m³/h Single phase 220-240V 50Hz/220V 60Hz]
- LGH-150RVX-E [1500m³/h Single phase 220-240V 50Hz/220V 60Hz]
- LGH-200RVX-E [2000m³/h Single phase 220-240V 50Hz/220V 60Hz]

(Unit : mm)

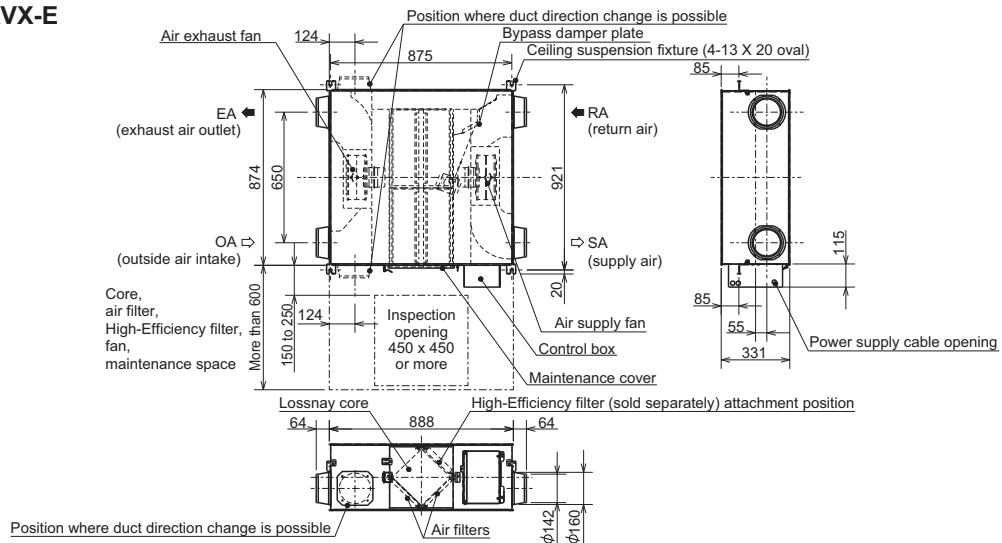
LGH-15RVX-E



LGH-25RVX-E



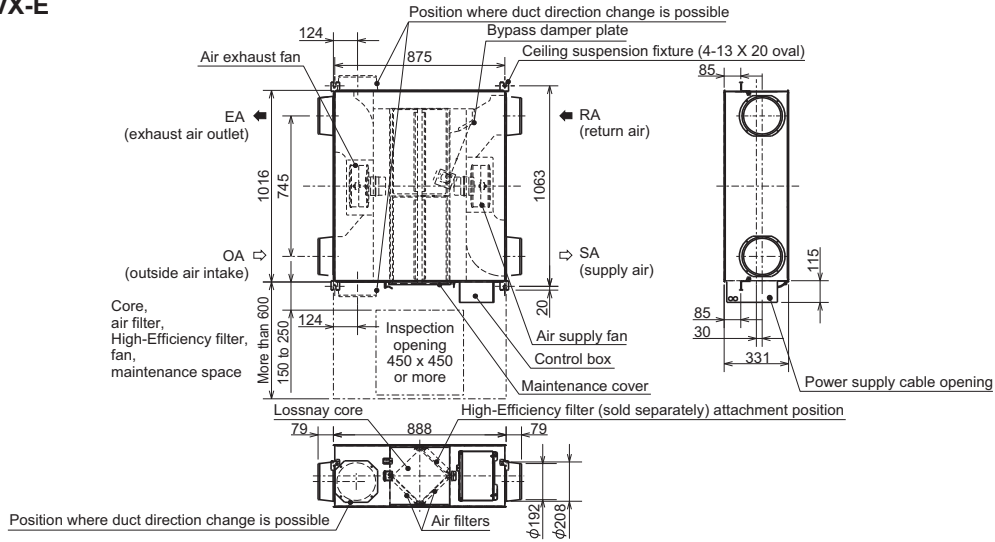
LGH-35RVX-E



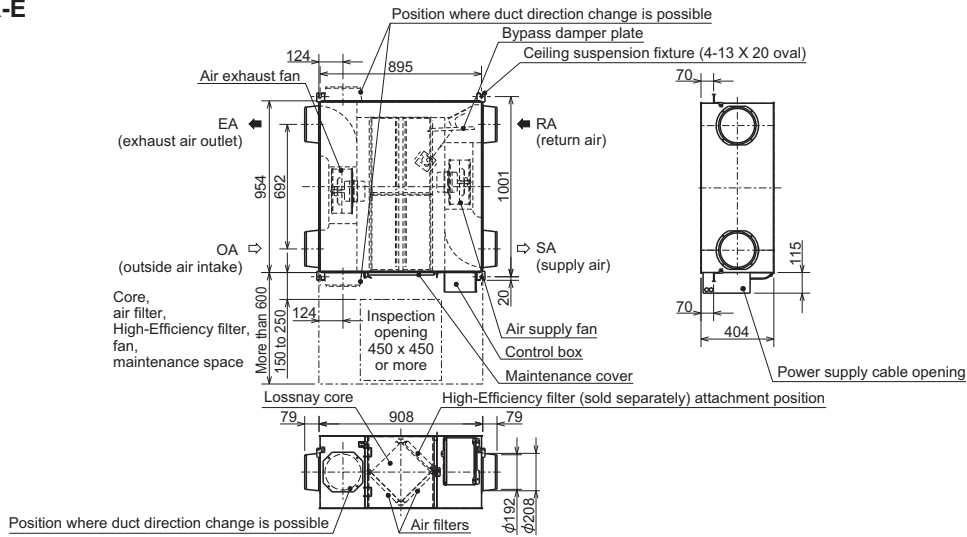
Lossnay

(Unit : mm)

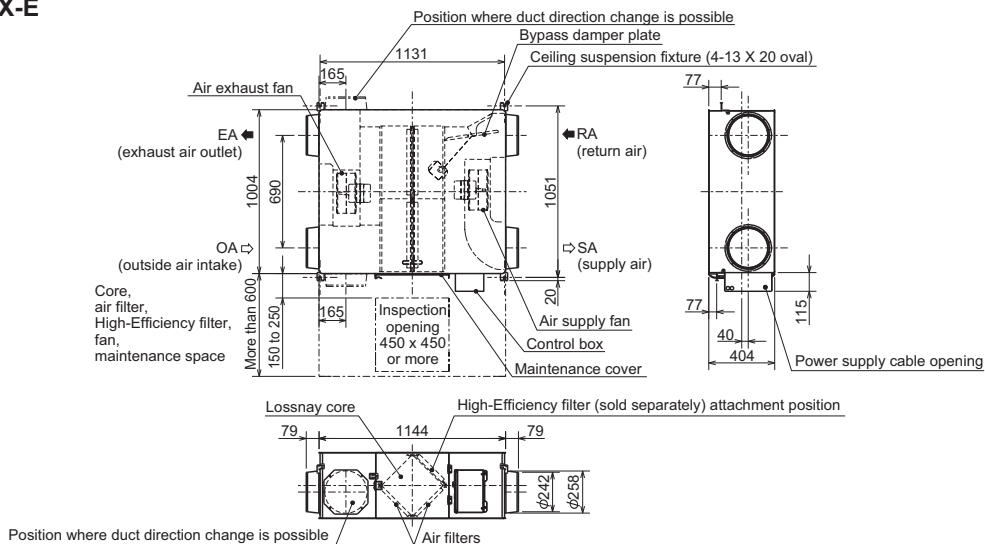
LGH-50RVX-E



LGH-65RVX-E



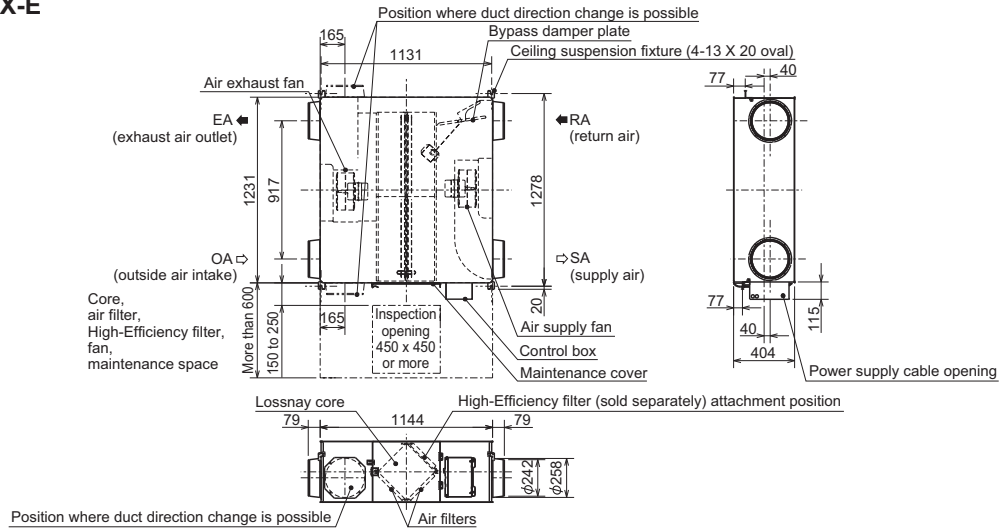
LGH-80RVX-E



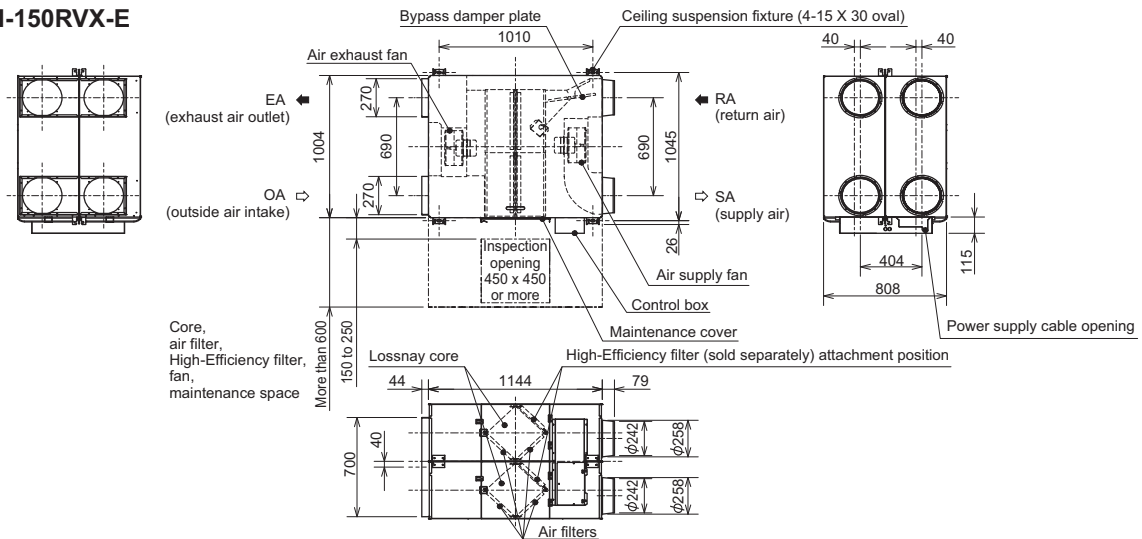
Lossnay

(Unit : mm)

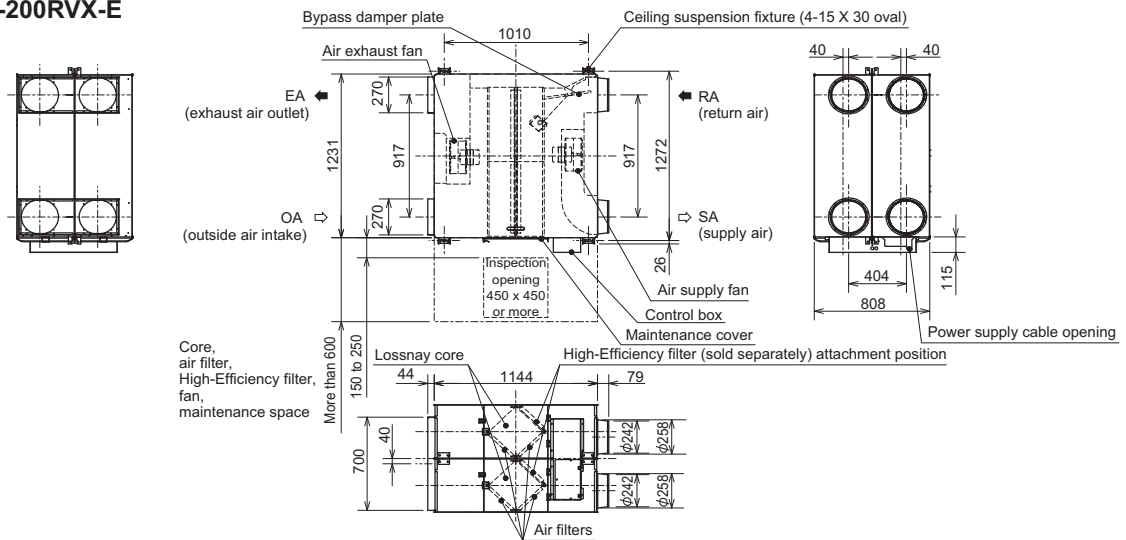
LGH-100RVX-E



LGH-150RVX-E

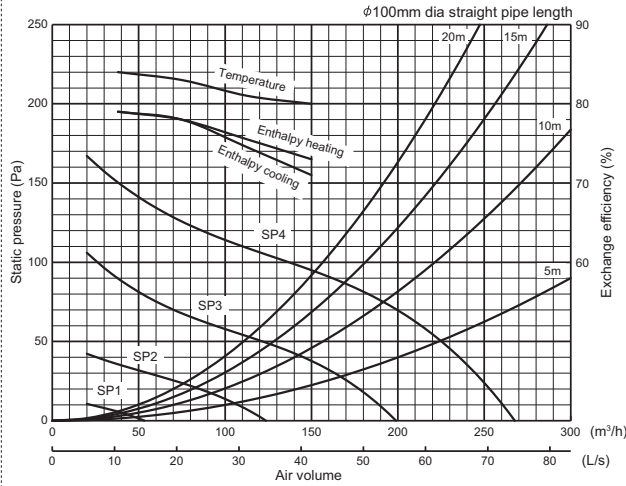


LGH-200RVX-E

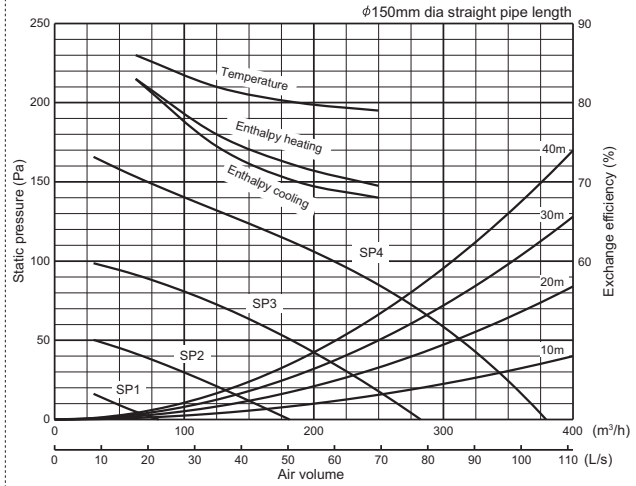


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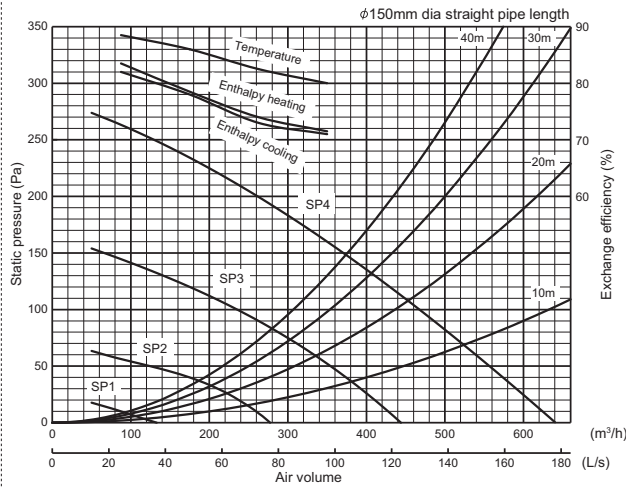
LGH-15RVX-E



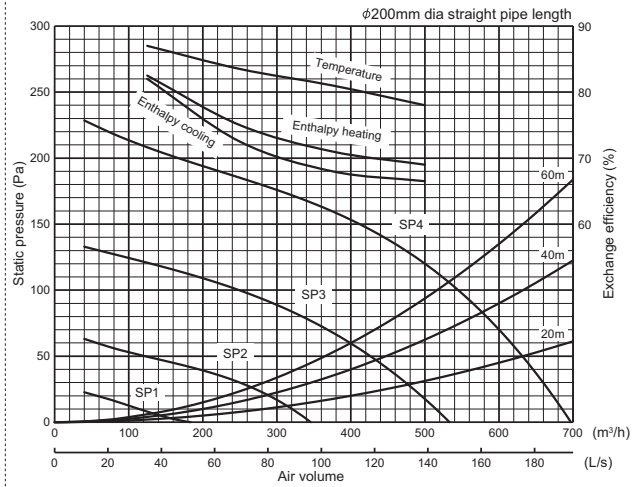
LGH-25RVX-E



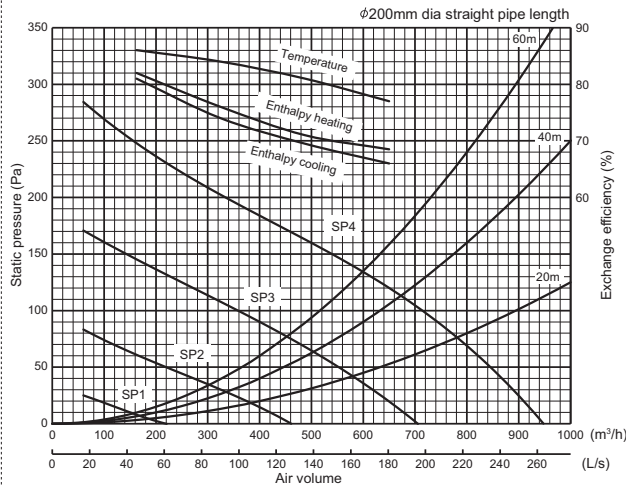
LGH-35RVX-E



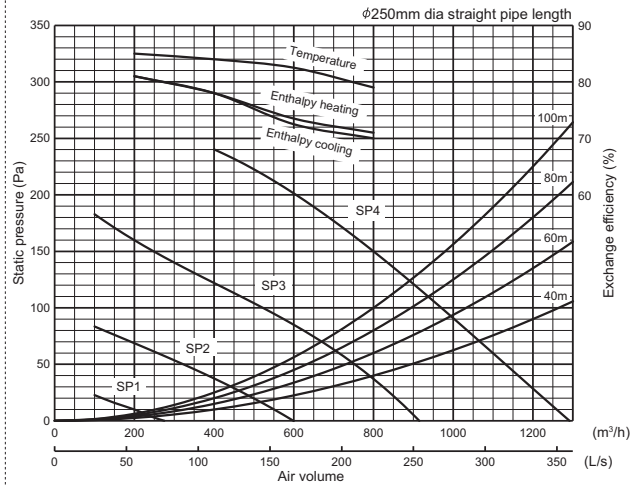
LGH-50RVX-E



LGH-65RVX-E

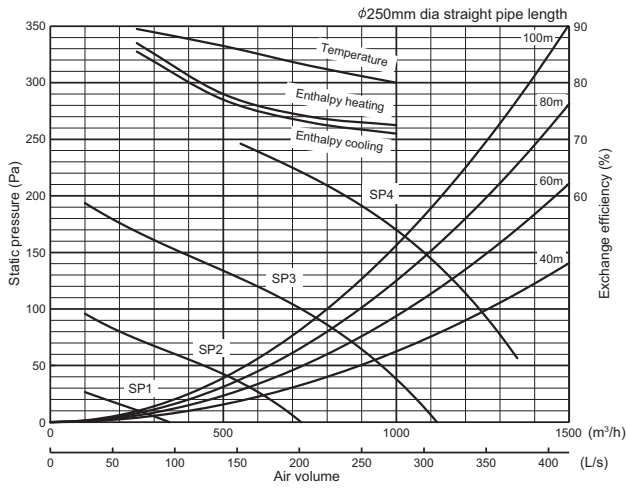


LGH-80RVX-E

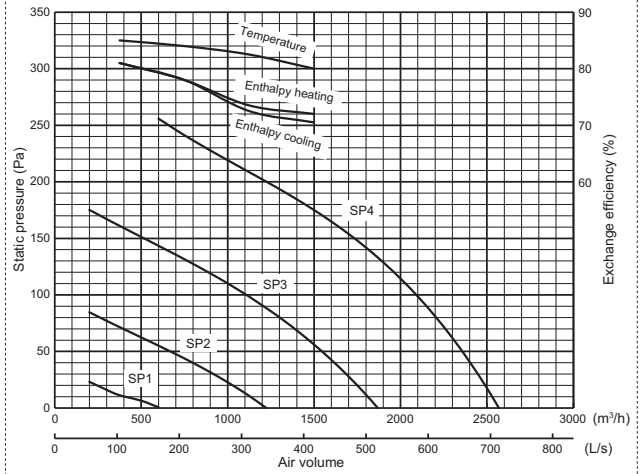


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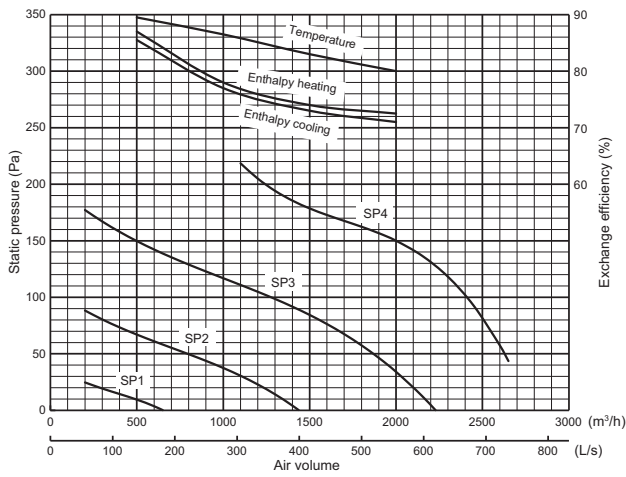
LGH-100RVX-E



LGH-150RVX-E



LGH-200RVX-E



LGH-15RVX-E

Model		LGH-15RVX-E								
Electrical power supply		220-240V/50Hz, 220V/60Hz								
Ventilation mode		Heat recovery mode				Bypass mode				
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running current (A)		0.40	0.24	0.15	0.10	0.41	0.25	0.15	0.10	
Input power (W)		49	28	14	7	52	28	14	8	
Air volume		(m ³ /h)	150	113	75	38	150	113	75	38
		(L/s)	42	31	21	10	42	31	21	10
External static pressure (Pa)		95	54	24	6	95	54	24	6	
Temperature exchange efficiency (%)		80.0	81.0	83.0	84.0	—	—	—	—	
Enthalpy exchange efficiency (%)		Heating	73.0	75.5	78.0	79.0	—	—	—	—
		Cooling	71.0	74.5	78.0	79.0	—	—	—	—
Noise (dB) (Measured at 1.5m under the center of unit in an anechoic chamber)		28.0	24.0	19.0	17.0	29.0	24.0	19.0	18.0	
Weight (kg)		20								

*The Air outlets noise (45° angle, 1.5meters in front of the unit) is about 13dB greater than the indicated value.(at Fan speed 4)

*The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.

*For the specification at the other frequency contact your dealer.

LGH-25RVX-E

Model		LGH-25RVX-E								
Electrical power supply		220-240V/50Hz, 220V/60Hz								
Ventilation mode		Heat recovery mode				Bypass mode				
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running current (A)		0.48	0.28	0.16	0.10	0.48	0.29	0.16	0.11	
Input power (W)		62	33	16	7.5	63	35	17	9	
Air volume		(m ³ /h)	250	188	125	63	250	188	125	63
		(L/s)	69	52	35	17	69	52	35	17
External static pressure (Pa)		85	48	21	5	85	48	21	5	
Temperature exchange efficiency (%)		79.0	80.0	82.0	86.0	—	—	—	—	
Enthalpy exchange efficiency (%)		Heating	69.5	72.0	76.0	83.0	—	—	—	—
		Cooling	68.0	70.0	74.5	83.0	—	—	—	—
Noise (dB) (Measured at 1.5m under the center of unit in an anechoic chamber)		27.0	22.0	20.0	17.0	27.5	23.0	20.0	17.0	
Weight (kg)		23								

*The Air outlets noise (45° angle, 1.5meters in front of the unit) is about 15dB greater than the indicated value.(at Fan speed 4)

*The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.

*For the specification at the other frequency contact your dealer.

LGH-35RVX-E

Model		LGH-35RVX-E								
Electrical power supply		220-240V/50Hz, 220V/60Hz								
Ventilation mode		Heat recovery mode				Bypass mode				
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running current (A)		0.98	0.54	0.26	0.12	0.98	0.56	0.28	0.13	
Input power (W)		140	70	31	11	145	72	35	13	
Air volume		(m ³ /h)	350	263	175	88	350	263	175	88
		(L/s)	97	73	49	24	97	73	49	24
External static pressure (Pa)		160	90	40	10	160	90	40	10	
Temperature exchange efficiency (%)		80.0	82.5	86.0	88.5	—	—	—	—	
Enthalpy exchange efficiency (%)		Heating	71.5	74.0	78.5	83.5	—	—	—	—
		Cooling	71.0	73.0	78.0	82.0	—	—	—	—
Noise (dB) (Measured at 1.5m under the center of unit in an anechoic chamber)		32.0	28.0	20.0	17.0	32.5	28.0	20.0	18.0	
Weight (kg)		30								

*The Air outlets noise (45° angle, 1.5meters in front of the unit) is about 12dB greater than the indicated value.(at Fan speed 4)

*The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.

*For the specification at the other frequency contact your dealer.

LGH-50RVX-E

Model		LGH-50RVX-E								
Electrical power supply		220-240V/50Hz, 220V/60Hz								
Ventilation mode		Heat recovery mode				Bypass mode				
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running current (A)		1.15	0.59	0.26	0.13	1.15	0.59	0.27	0.13	
Input power (W)		165	78	32	12	173	81	35	14	
Air volume		(m ³ /h)	500	375	250	125	500	375	250	125
		(L/s)	139	104	69	35	139	104	69	35
External static pressure (Pa)		120	68	30	8	120	68	30	8	
Temperature exchange efficiency (%)		78.0	81.0	83.5	87.0	—	—	—	—	
Enthalpy exchange efficiency (%)		Heating	69.0	71.0	75.0	82.5	—	—	—	—
		Cooling	66.5	68.0	72.5	82.0	—	—	—	—
Noise (dB) (Measured at 1.5m under the center of unit in an anechoic chamber)		34.0	28.0	19.0	18.0	35.0	29.0	20.0	18.0	
Weight (kg)		33								

*The Air outlets noise (45° angle, 1.5meters in front of the unit) is about 18dB greater than the indicated value.(at Fan speed 4)

*The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.

*For the specification at the other frequency contact your dealer.

LGH-65RVX-E

Model		LGH-65RVX-E								
Electrical power supply		220-240V/50Hz, 220V/60Hz								
Ventilation mode		Heat recovery mode				Bypass mode				
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running current (A)		1.65	0.90	0.39	0.15	1.72	0.86	0.38	0.16	
Input power (W)		252	131	49	15	262	131	47	17	
Air volume		(m ³ /h)	650	488	325	163	650	488	325	163
		(L/s)	181	135	90	45	181	135	90	45
External static pressure (Pa)		120	68	30	8	120	68	30	8	
Temperature exchange efficiency (%)		77.0	81.0	84.0	86.0	—	—	—	—	
Enthalpy exchange efficiency (%)		Heating	68.5	71.0	76.0	82.0	—	—	—	—
		Cooling	66.0	69.5	74.0	81.0	—	—	—	—
Noise (dB) (Measured at 1.5m under the center of unit in an anechoic chamber)		34.5	29.0	22.0	18.0	35.5	29.0	22.0	18.0	
Weight (kg)		38								

*The Air outlets noise (45° angle, 1.5meters in front of the unit) is about 16dB greater than the indicated value.(at Fan speed 4)

*The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.

*For the specification at the other frequency contact your dealer.

LGH-80RVX-E

Model		LGH-80RVX-E								
Electrical power supply		220-240V/50Hz, 220V/60Hz								
Ventilation mode		Heat recovery mode				Bypass mode				
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running current (A)		1.82	0.83	0.36	0.15	1.97	0.86	0.40	0.15	
Input power (W)		335	151	60	18	340	151	64	20	
Air volume		(m ³ /h)	800	600	400	200	800	600	400	200
		(L/s)	222	167	111	56	222	167	111	56
External static pressure (Pa)		150	85	38	10	150	85	38	10	
Temperature exchange efficiency (%)		79.0	82.5	84.0	85.0	—	—	—	—	
Enthalpy exchange efficiency (%)		Heating	71.0	73.5	78.0	81.0	—	—	—	—
		Cooling	70.0	72.5	78.0	81.0	—	—	—	—
Noise (dB) (Measured at 1.5m under the center of unit in an anechoic chamber)		34.5	30.0	23.0	18.0	36.0	30.0	23.0	18.0	
Weight (kg)		48								

*The Air outlets noise (45° angle, 1.5meters in front of the unit) is about 24dB greater than the indicated value.(at Fan speed 4)

*The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.

*For the specification at the other frequency contact your dealer.

*Use this unit with static pressure 240Pa or less at Fan speed4. Otherwise the noise level might be larger.

LGH-100RVX-E

Model		LGH-100RVX-E								
Electrical power supply		220-240V/50Hz, 220V/60Hz								
Ventilation mode		Heat recovery mode				Bypass mode				
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running current (A)		2.50	1.20	0.50	0.17	2.50	1.20	0.51	0.19	
Input power (W)		420	200	75	21	420	200	75	23	
Air volume		(m ³ /h)	1000	750	500	250	1000	750	500	250
		(L/s)	278	208	139	69	278	208	139	69
External static pressure (Pa)		170	96	43	11	170	96	43	11	
Temperature exchange efficiency (%)		80.0	83.0	86.5	89.5	—	—	—	—	
Enthalpy exchange efficiency (%)		Heating	72.5	74.0	78.0	87.0	—	—	—	—
		Cooling	71.0	73.0	77.0	85.5	—	—	—	—
Noise (dB) (Measured at 1.5m under the center of unit in an anechoic chamber)		37.0	31.0	23.0	18.0	38.0	32.0	24.0	18.0	
Weight (kg)		54								

*The Air outlets noise (45° angle, 1.5meters in front of the unit) is about 21dB greater than the indicated value.(at Fan speed 4)

*The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.

*For the specification at the other frequency contact your dealer.

*Use this unit between static pressure 60Pa and 240Pa at Fan speed4. Otherwise the motor protection may work and reduce its output or the noise level might be larger.

LGH-150RVX-E

Model		LGH-150RVX-E								
Electrical power supply		220-240V/50Hz, 220V/60Hz								
Ventilation mode		Heat recovery mode				Bypass mode				
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running current (A)		3.71	1.75	0.70	0.29	3.85	1.78	0.78	0.30	
Input power (W)		670	311	123	38	698	311	124	44	
Air volume		(m ³ /h)	1500	1125	750	375	1500	1125	750	375
		(L/s)	417	313	208	104	417	313	208	104
External static pressure (Pa)		175	98	44	11	175	98	44	11	
Temperature exchange efficiency (%)		80.0	82.5	84.0	85.0	—	—	—	—	
Enthalpy exchange efficiency (%)		Heating	72.0	73.5	78.0	81.0	—	—	—	—
		Cooling	70.5	72.5	78.0	81.0	—	—	—	—
Noise (dB) (Measured at 1.5m under the center of unit in an anechoic chamber)		39.0	32.0	24.0	18.0	40.5	33.0	26.0	18.0	
Weight (kg)		98								

*The Air outlets noise (45° angle, 1.5meters in front of the unit) is about 22dB greater than the indicated value.(at Fan speed 4)

*The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.

*For the specification at the other frequency contact your dealer.

*Use this unit with static pressure 250Pa or less at Fan speed4. Otherwise the noise level might be larger.

LGH-200RVX-E

Model		LGH-200RVX-E								
Electrical power supply		220-240V/50Hz, 220V/60Hz								
Ventilation mode		Heat recovery mode				Bypass mode				
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running current (A)		4.88	2.20	0.88	0.33	4.54	2.06	0.87	0.35	
Input power (W)		850	400	153	42	853	372	150	49	
Air volume		(m ³ /h)	2000	1500	1000	500	2000	1500	1000	500
		(L/s)	556	417	278	139	556	417	278	139
External static pressure (Pa)		150	84	38	10	150	84	38	10	
Temperature exchange efficiency (%)		80.0	83.0	86.5	89.5	—	—	—	—	
Enthalpy exchange efficiency (%)		Heating	72.5	74.0	78.0	87.0	—	—	—	—
		Cooling	71.0	73.0	77.0	85.5	—	—	—	—
Noise (dB) (Measured at 1.5m under the center of unit in an anechoic chamber)		40.0	36.0	28.0	18.0	41.0	36.0	27.0	19.0	
Weight (kg)		110								

*The Air outlets noise (45° angle, 1.5meters in front of the unit) is about 21dB greater than the indicated value.(at Fan speed 4)

*The running current, the input power, the efficiency and the noise are based on the rating air volume, and 230V/50Hz.

*For the specification at the other frequency contact your dealer.

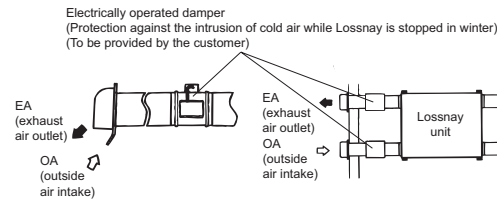
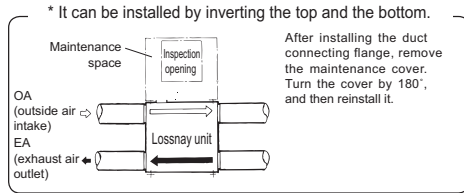
*Use this unit between static pressure 50Pa and 220Pa at Fan speed4. Otherwise the motor protection may work and reduce its output or the noise level might be larger.

Standard installation examples

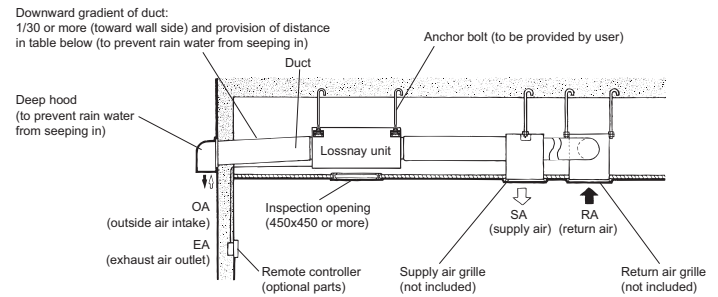
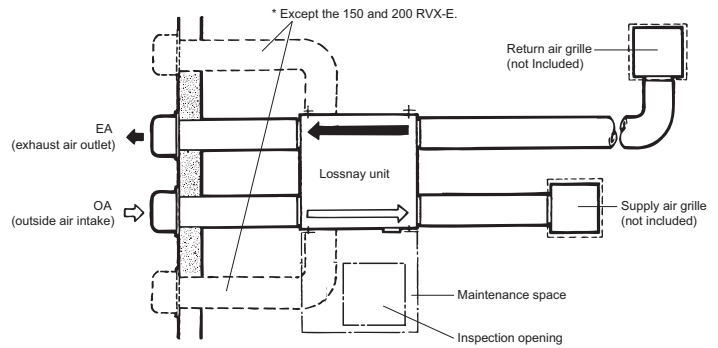
•Duct length

Model	Distance
LGH-15 to 65RVX-E	1 m or more
LGH-80 and 100RVX-E	2.5 m or more
LGH-150 and 200RVX-E	3 m or more

•The parts can also be installed upside down. Remove the maintenance cover, rotate the parts by 180°, and re-install.

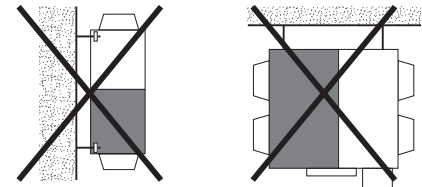


•In a region where there is risk of freezing in winter, it is recommended to install an Electrically operated damper, or the like, in order to prevent the intrusion of (cold) outdoor air while Lossnay is stopped.



CAUTION

•Do not install Lossnay unit vertically or on an incline.



Attention for specifications

1. Cold operation mode(*1) is to start repeating in the case that Lossnay's detected OA temperature is less than -10°C.
*1. Supply air(SA) in the operation for 60min. followed by stop operation for 10min.
2. The current, power consumption and efficiency are based on the air flow rate in the specification.
3. Fan speed is selectable by the remote controller from fan speed 1, 2, 3 and 4.
Multi Ventilation Mode should set on Lossnay unit or remote controller (PZ-61DR-E).
4. Lossnay ventilation mode is to start automatically in the case that Lossnay's detected OA temperature is less than +8°C, even if Bypass ventilation is set by remote controller.
Remote controller continue to show "Bypass ventilation" in this case.
5. Temperature Exchange efficiency(%) are based on winter condition.
6. Mitsubishi Electric measures the machine according to the Japan Industrial Standards(JIS B 8628)

Attention

1. When using the product where it is exposed to high temperatures and humidity (40°C or higher, RH 80% or higher), or where fog occurs frequently, moisture is likely to condense in the core, and may result in condensation build up in the unit. The product should not be used under such conditions.
2. Outdoor air may enter the Lossnay owing to the pressure difference between indoor and outdoor or external winds even when the product is not operated. It is recommended to install an Electrically operated damper to block the outdoor air.
3. In a cold weather area, an area with strong external winds or where fog occurs frequently, cold outdoor air, external winds or fog may be introduced into the product when its operation is stopped.
It is recommended to install an Electrically operated damper.
4. In a cold weather area, or others, dewing or freezing could occur on the main unit, where the duct is connected, or other sections, depending on the conditions of outdoor air and indoor temperature and moisture, even if they are within the range of operating conditions. Make sure to confirm the operating conditions and other precautions, and do not use the product if dewing or freezing is anticipated.
5. The outside ducts must be tilted at a gradient (1/30 or more) down toward the outdoor louvres from Lossnay, and properly insulated. (The entry of rain water may cause power leakage, fire, or damage to household property)
6. The two outdoor ducts must be covered with heat-insulating material in order to prevent condensation from forming.
If it is expected that the ambient temperature around the place where the Lossnay unit is installed will be high during the summer air conditioning season, it is recommended that the indoor ductwork be covered with insulation material.
7. Inspection opening (450 × 450 or more) must be installed on the filter and Lossnay core removing side.

Lossnay model selection advices

1. Operating environment
Install this product in an environment where the temperature ranges from -10°C to +40°C and the relative humidity is less than 80%RH. If condensation is expected to form, heat up the fresh outside air should be treated.
2. Do not use under high temperature and humidity condition
Condensation will occur and water will gather inside the Lossnay cores under high temperature and humidity condition, such as warm swimming pool, bathroom, greenhouse or foggy place.
3. Condition of outdoor, indoor and return air
Avoid using Lossnay under air condition with acid, alkalis, organic solvent, oil mist, paint, or harmful gas as pesticide, corrosive gas, etc.
4. Insulation failure caused by salt or sulphur air and hot spring steam, rust, fire or malfunction may occur.
Installing high quality filters inside outdoor air duct if the Lossnay operates in salt or sulphur air conditions.
5. Intake of mist or outdoor air during off-mode operation
Outdoor air or mist may flow through the duct into your room when Lossnay is in off-mode at windy and foggy area.
To prevent intake of outdoor air or fog, a damper is advised to be installed.
6. Entry of insects
When using the product in an environment where there is a window, or opening near the outdoor hood, so that insects are likely to gather around the interior or exterior light, take note that small insects may intrude into the Lossnay filters.
7. Bypass ventilation
In the case of "Bypass" ventilation, the supply air temperature slightly rises more than the outside air temperature because of the effect around the ducts or the unit motors.
8. Usage of M-NET.
When solely using Lossnay units, power supply unit is required to connect to centralized control.
Number of power supply units or the transmission boosters should correspond with the connected Lossnay units.

Caution for installation

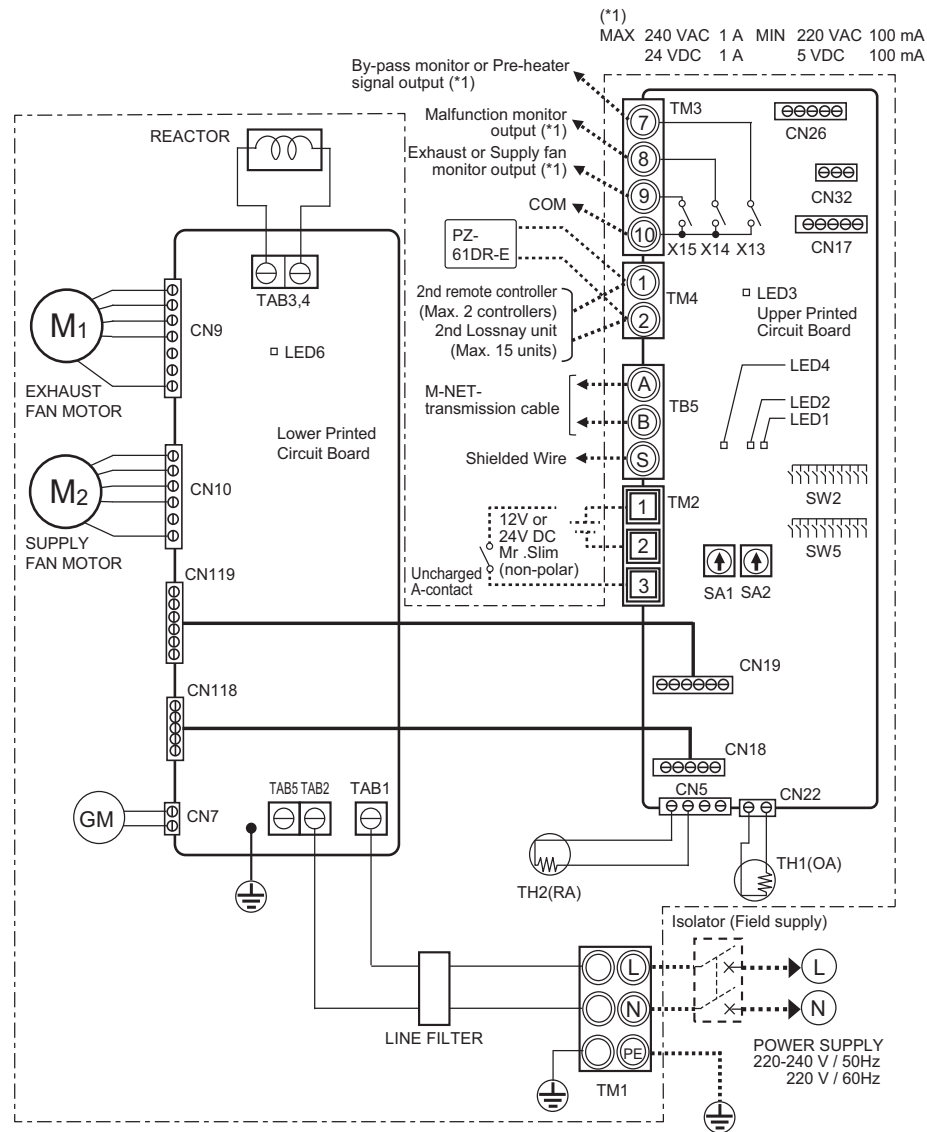
1. Do not modify the unit as it may cause malfunction.
2. Do not install Lossnay unit vertically or on an incline. It may cause malfunction or deterioration of performance.
3. Leaving sufficient space for maintenance purpose.
4. The location of the air inlet
Take care in locating air inlet to prevent intake of dirty air or disgusting smell from exhaust gas of factory, air from rubbish disposal, etc.
5. Take precautions when using the product in a quiet location.
6. Heat insulation foam for duct
Take care as below to prevent the contaminate ceiling by duct condensation.
 - 1) The two outdoor ducts (OA and EA) must be covered with heat-insulating material in order to prevent condensation.
 - 2) If it is expected that the ambient temperature around the place where the Lossnay unit is installed will be high during the summer air conditioning season, it is recommended that the indoor ductwork should be covered with insulation material.
 - 3) Outdoor air may come into unit during not operating unit by the pressure difference between indoor and outdoor or the outdoor wind.
In this case you should install a damper.
 - 4) It is possible for condensation and freezing to occur in the cold regions inside the unit because of the outdoor air condition or humidity condition above ceiling. Make sure to install supplemental insulation foam.
 - 5) In the case that air condition around Lossnay unit is high temperature in summer, it is recommended that there are heat insulation foam on indoor side duct to prevent heat recovery decreased by warming indoor duct. In winter, it is possible to cool indoor side duct without heat insulation foam on indoor side duct.
7. Prevent entry of rainwater into Lossnay unit
Install weather louver or "Weather cover" for OA inlet & EA outlet. This is to prevent rainwater entering the Lossnay unit. Ducts to outdoor (OA and EA) should decline by 1/30 or more.
8. Install the anchor bolts to ensure the product's weight or earthquake load. Correctly rated wire/chain may also be used.
9. Do not install this product in a place where it is exposed to ultraviolet light. UV may be damage covering insulation.
10. Electrical Work
A single pole isolator must be installed at the origins of mains power supply.
Use single flush box, to support remote controller.
Must connect ground wiring.
When connecting external devices (electrically operated damper, lamp, monitoring unit, etc.) using output signals of the Lossnay unit, make sure to install safety equipment for the external devices. (It could cause fire, damage, etc. without safety equipment)
11. Duct heater
In case of installing a duct heater interlock with Lossnay, be sure to observe followings.
 - 1) Select a duct heater in compliance with local and national laws, ordinances, and standards.
Select a duct heater that has obtained the CE mark.
 - 2) Always select a heater that is equipped with a non-self-resetting safety device. Do not directly supply power from the Lossnay unit to the duct heater. Doing so could cause fire.
 - 3) Install a circuit breaker for the duct heater in compliance with all applicable laws, ordinances, and standards.
 - 4) Install the duct heater separated from the product by a distance of 2 m or more.
Failure to do so may result in equipment damage due to the transmission of residual heat from the heater.
 - 5) When using a heater without a temperature control function, select a heater with a capacity that is matched to the air volume.
 - 6) Do not use the heater outside the set air volume.
If the heater's capacity is too larger, this may result in the heater frequently turning ON/OFF.
If the heater's capacity is too small, this may result an inability to heat.
 - 7) Ensure that the duct heater and Lossnay are wired and that the Lossnay function settings have been configured, and then always check operation by trial operation.

Maintenance and lifetime

Refer to each model's operation instructions for the suggested maintenance period and methods. General indication of lifetime of the main parts is as below. Time below is unrelated to guaranteed period for service. And parts exchange period varies with usage condition.

Lossnay cores	: Around 10 years with maintenance as stated periods
Air Filters	: Around 5 years with maintenance as stated periods
High efficiency filters	: 3000 hours
Motor	: 30000 hours

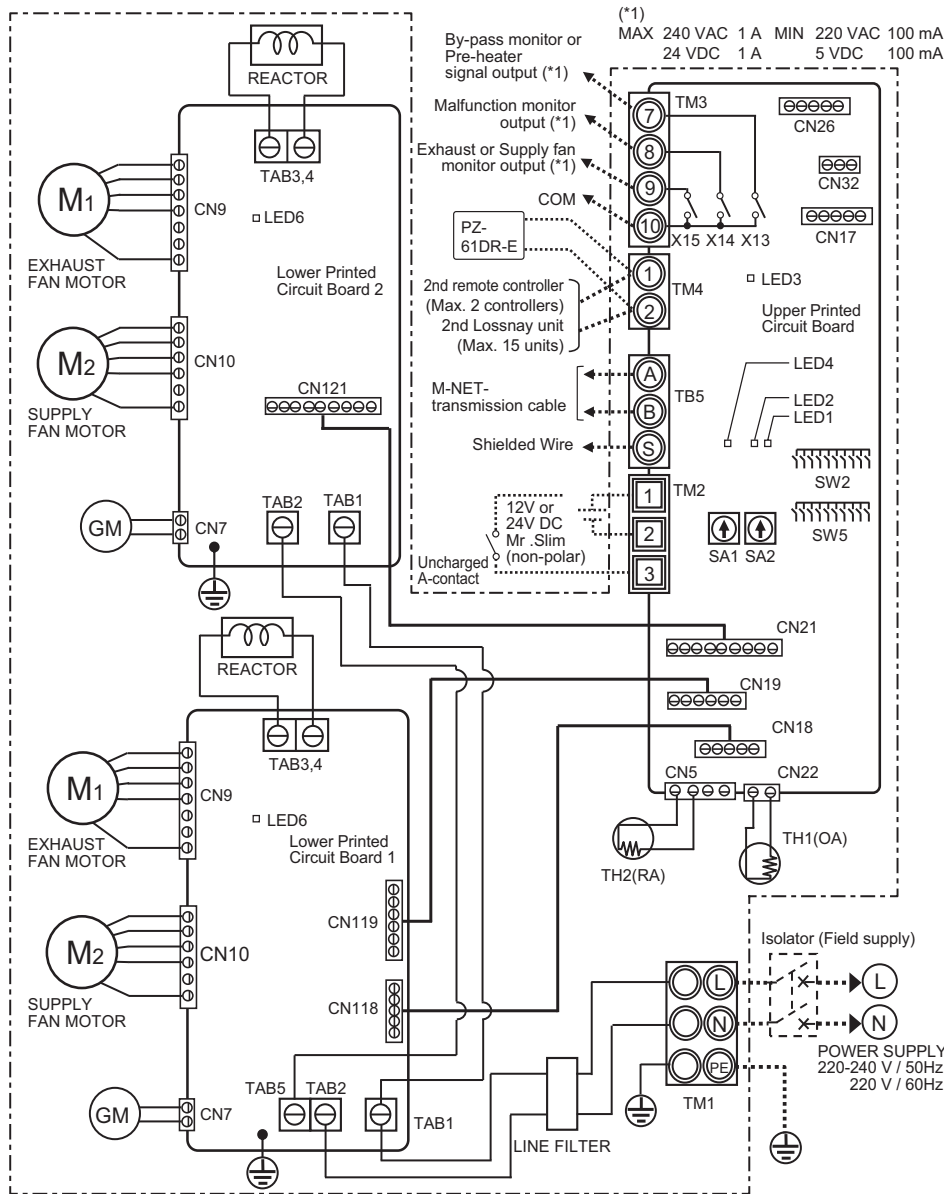
LGH-15 to 100RVX-E



- * TM1, TM2, TM3, TM4, TB5 shown in dotted lines are field work.
- * Be sure to connect the ground wire.
- * A power supply isolator must be installed.
- * Always use an isolator for the main switch power connection.
- * Specifications may be subject to change without notice.

Definition of Symbols		
M1: Motor for exhaust fan	X13: Relay contact	CN26: Connector (By-pass, 0 - 10 VDC Fan speed control)
M2: Motor for supply fan	X14: Relay contact	CN32: Connector (Remote control selection)
GM: Motor for By-pass damper	X15: Relay contact	SA1: Address setting rotary switch (tens digit)
TH1: Thermistor for outside air	CN5: Connector (Thermistor RA)	SA2: Address setting rotary switch (ones digit)
TH2: Thermistor for return air	CN7: Connector (Motor for By-pass damper)	LED1 to LED3: Inspection indicator lamp
SW2,5: Switch (Function selection)	CN9: Connector (Fan motor)	LED4, LED6: Power supply indicator lamp
TM1: Terminal block (Power supply)	CN10: Connector (Fan motor)	SYMBOL ○ □ : Terminal block
TM2: Terminal block (External control input)	CN17: Connector (Fan speed 1/2/3/4)	Ⓜ : Connector on PCB
TM3: Terminal block (Monitor output)	CN18: Connector	
TM4: Terminal block (Transmission cable)	CN118: Connector	
TB5: Terminal block (M-NET Transmission cable)	CN19: Connector	
TAB1, TAB2, (TAB5): Connector (Power supply)	CN119: Connector	
TAB3, TAB4: Connector (Reactor)	CN22: Connector (Thermistor OA)	

LGH-150 and 200RVX-E



- * TM1, TM2, TM3, TM4, TB5 shown in dotted lines are field work.
- * Be sure to connect the ground wire.
- * A power supply isolator must be installed.
- * Always use an isolator for the main switch power connection.
- * Specifications may be subject to change without notice.

Definition of Symbols		
M1: Motor for exhaust fan	X13: Relay contact	CN21: Connector
M2: Motor for supply fan	X14: Relay contact	CN121: Connector
GM: Motor for By-pass damper	X15: Relay contact	CN22: Connector (Thermistor OA)
TH1: Thermistor for outside air	CN5: Connector (Thermistor RA)	CN26: Connector (By-pass, 0 - 10 VDC Fan speed control)
TH2: Thermistor for return air	CN7: Connector (Motor for By-pass damper)	CN32: Connector (Remote control selection)
SW2, 5: Switch (Function selection)	CN9: Connector (Fan motor)	SA1: Address setting rotary switch (tens digit)
TM1: Terminal block (Power supply)	CN10: Connector (Fan motor)	SA2: Address setting rotary switch (ones digit)
TM2: Terminal block (External control input)	CN17: Connector (Fan speed 1/2/3/4)	LED1 to LED3: Inspection indicator lamp
TM3: Terminal block (Monitor output)	CN18: Connector	LED4, LED6: Power supply indicator lamp
TM4: Terminal block (Transmission cable)	CN118: Connector	SYMBOL ○ □ : Terminal block
TB5: Terminal block (M-NET Transmission cable)	CN19: Connector	Ⓜ : Connector on PCB
TAB1, TAB2, TAB5: Connector (Power supply)	CN119: Connector	
TAB3, TAB4: Connector (Reactor)		