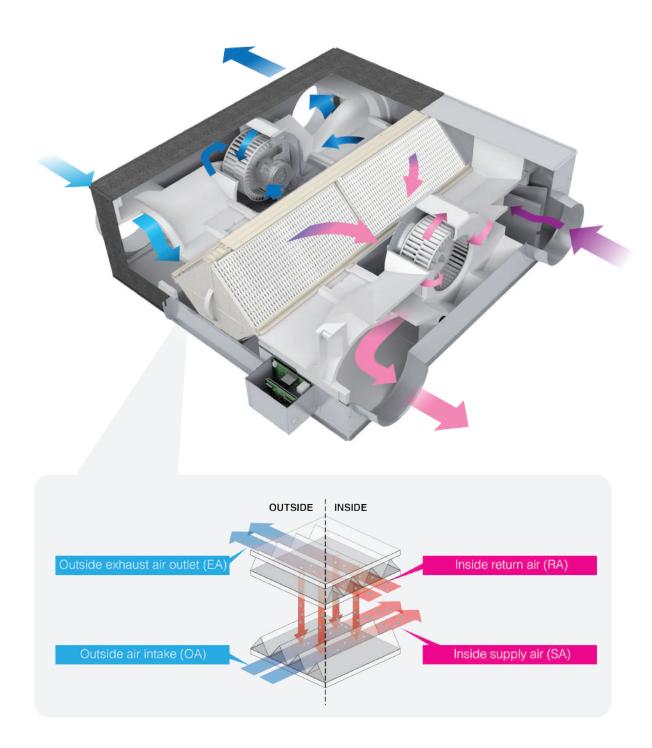


OPTIMIZING AIR QUALITY INSIDE A BUILDING

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



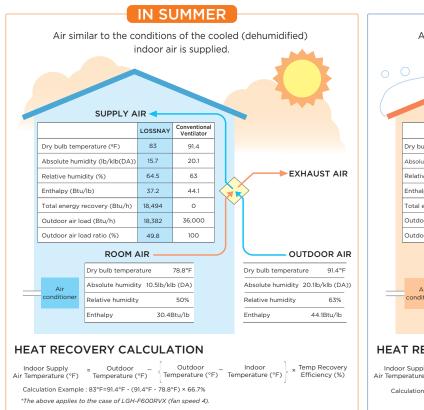
After launching its first generation in 1970, Lossnay has evolved by always looking ahead of the air conditioning needs of the times, which continue to diversify. The technology is used in a wide range of applications and units have been widely adopted in residences, office buildings, hospitals, schools, etc.

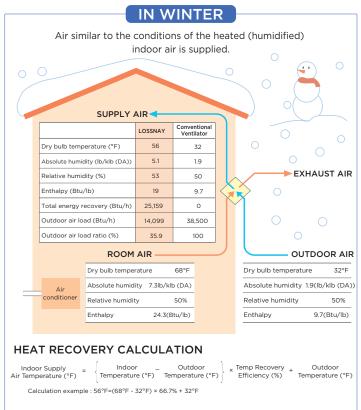
TEMPERATURE AND HUMIDITY EXCHANGE BY LOSSNAY

The Need For Fresh Air

Poor air quality can be attributed to many problems arising in the workplace and in the home. It is believed to contribute to a significant loss in productivity, low morale and higher rates of sickness. Providing good ventilation in residential and commercial buildings is to provide conditions under which people can live and work comfortably and safely.

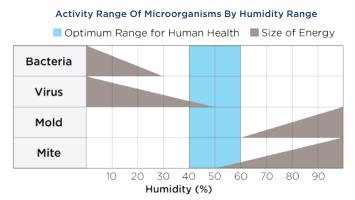
Improved Ventilation With Maximized Comfort





The Need For Appropriate Humidity Management

Viruses such as influenza can be present and potentially harmful in low humidity and dry environments. During the winter, keeping an appropriate humidity and heating temperature can help prevent influenza.

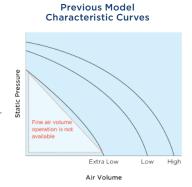


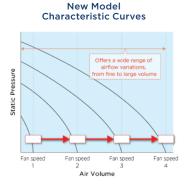
Source: ASHRAE Trans. 91 - 1B (1985)

PRODUCT FEATURES

Wide Range Air Volume

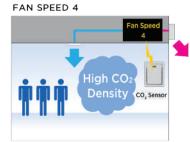
Unlike the air volume produced by previous models, in which there are the three settings of "High," "Low," and "Extralow," the new model is equipped with four fan speeds. In addition, each speed has a range setting of 25, 50, 75 and 100%, allowing much finer air volume control. When used in combination with the CO2 sensor or timer function, the air volume can be controlled according to conditions that realize better performance and reduce power consumption.

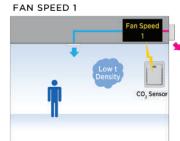




Air Volume Control By Co2 Sensor

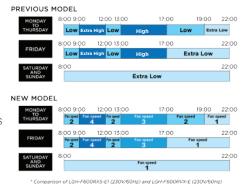
An external CO2 sensor can be connected directly to the Lossnay RVX units allowing the fan speed to vary according to the CO2 levels detected. When the CO2 concentration is low, the unit can operate at a lower air volume compared to previous models and this improves total heat exchange efficiency and contributes to energy saving.





Weekly Timer

The operation pattern for each day of the week, ON / OFF and air volume can be set using the weekly timer function (up to eight zones per day). Compared to previous models, much finer operation control contributes to enhanced energysaving operation. With a wider range of air volumes the Lossnay RVX units enable optimised ventilation not just at different times of the day, but for different days of the week as well, enabling further energy savings.



TOTAL POWER CONSUMPTION IN A WEEK

62%
OFF

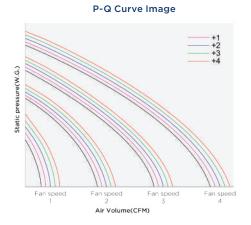
14.2
kWh

Previous New Model

Fan Speed Adjustment Function

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

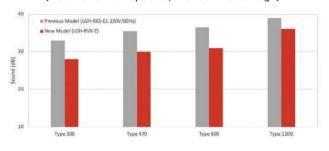
- 1) Considering the total hours of Lossnay operation (filter clogging), the fan power can be adjusted automatically after a given period of time.
- 2) After the unit is installed, when if the air volume is slightly lower than the desired airflow, it is possible to make fine adjustments.



Low Noise Design

Providing a range of air volume for each fan speed, sound levels can be reduced to achieve low noise.

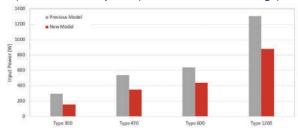
Noise Comparison Between New And Previous Models (New Model: Fan Speed 3, Previous Model: High)



Power Consumption Reduced Further With Introduction Of DC Motor

A high efficiency DC motor has been adopted. Compared to models with an AC motor, power consumption is reduced.

Comparison Between New And Previous Power Consumption (New Model: Fan Speed 4, Previous Model: Extra-High)



Flexibility In Setting Night Purge And **Auto Ventilation Mode Has Improved**

NIGHT PURGE

During the summer season, the Night Purge mode draws cooler outside air into the room at night. This energy conservation mode reduces the load when the air conditioning is started up the next morning. With previous models, the unit is operated with only one condition that is set initially. With new models, it is possible to freely set* the night purge operation for the start conditions, air volume, and operation time and flexibly answer to the operating environment requests that vary with each customer.

PREVIOUS MODEL



START CONDITION

FAN SPEED Start the operation at the same fan speed before stopping

NEW MODEL

Operating Time Possible To Set To Any Time Can Be Set To Between 0°F and 13°F

Fan Speed Select From

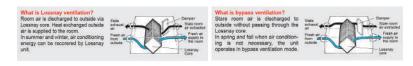
^{*} Settings can only be made using the PZ-61DR-E

Flexibility In Setting Night Purge And Auto Ventilation Mode Has Improved

VENTILATION MODE SWITCHING

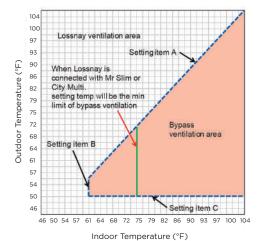
With operation from PZ-61DR-E, it is possible to select manual switching or automatic switching between "Lossnayventilation (with heat exchange)" and "Bypass ventilation (without heat exchange)".

* Settings can only be made using the PZ-61DR-E



With the previous model, the auto ventilation mode is based on the initial setting condition; however, with the new model it becomes possible to set three setting points, as shown in the table on the right.

* Settings can only be made using the PZ-61DR-E



/ Lossnav Ventilation Ma

By-Pass / Lossnay Ventilation Map In Automatic Ventilation Mode

Indoor Temperature (°F)

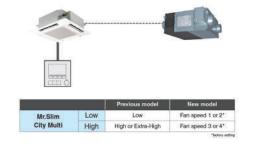
New Remote-Control Design

The new remote controller improves installation appearance. Full-dot backlit LCD makes it easy to see and control the unit.



Improved Air Volume Setting Flexibility When Simultaneously Operating With Air Conditioner

For the specified high and low air volume of the air conditioner, two types of air volumes can be selected, respectively, providing more flexible setting options.



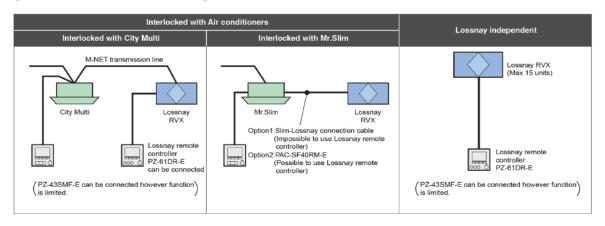
Improved Control With A BMS System

Using a 0-10V signal from the building management system, the air volume of the Lossnay unit can be changed.

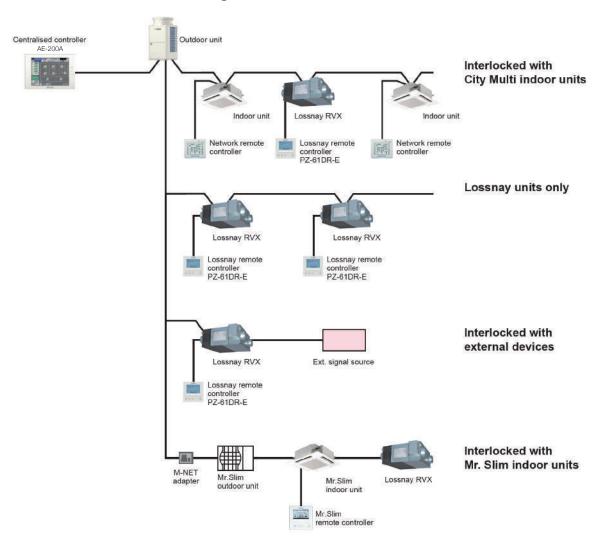
Input voltage [VDC]	Fan speed	Fan speed changing from remote controller
0 -1.0	-	Available
1.5 - 2.5	1	Not available
3.5 - 4.5	2	Not available
5.5 - 7.0	3	Not available
8.5 - 10.0	4	Not available

CONTROLS

The New Remote Controller PZ-61DR-E Enables **Simple Control Setting**



Centralized Controller System



FEATURES OF NEW CENTRALIZED CONTROLLER "AE-200A"

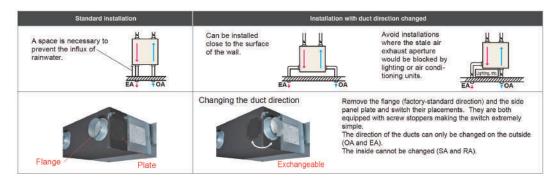
In An Easy And Flexible Manner, An Optimum System Can Be Established According To The Scale Of Facilities

- Implements control on up to 50 indoor units of air-conditioning equipment.
- By using three units of expansion controller "AE-50A", the centralized control is implemented for the maximum of 200 indoor units.
- Connection with PC allows implementation of control on more than 200 indoor units via Web browser.*1
- *1. Please contact your local distributor for when the feature is supported

System Structure Switching Hub LAN (100BASE-TX) AE-200 A Monitoring PC Remote monitoring via a Web browser DIDO Controller (PAC-YG66DCA) M-NET Temp/Humidity sensor Hub Lights 0000 Al Controller (PAC-YG63MCA) Watt hour meter PI Controller (PAC-YG60MCA) AE-200A Service company / Sales office Ver. 8.50 or late VPN Modem Modem monitoring PC Remote monitoring Mobile phone via a Web browse Note: Use a security device such as a VPN router when connecting the AE-50A / AE-200A to the Internet to prevent unauthorised access of service person

Connect Ducts In Two Different Directions (OA, EA Side)

Ducts can be connected in two different directions to the outdoor vents thanks to collars and aperture plates that can be interchangeably placed in two different positions. This flexibility allows for installations close to the surface of a wall and helps avoid cases where the stale air exhaust vent would be blocked by an obstruction of some kind. This makes both planning and installation that much simpler.



OA/EA square duct (LGH-150 / 200R)

OA/EA is square duct. This simplifies installation and reduces total installation time.

FUNCTIONS

	☐ : Each unit ○ : Each group ● : Each block △ : Each floor	○ : Collective	X : Not available
Item	Description	Operations	Display
Controllable number of unit	Up to 50 units/50 groups		
ON/OFF	ON and OFF operation for the air conditioning units and general equipment. (To operate general equipment, PAC-YG66DCA is required.)	004	00
Operation mode	Switches between several operation modes depending on the air conditioning unit. Air conditioning unit : Cool/Dry/Auto(*)/Fan/Heat LOSSNAY unit : Heat Recovery/Bypass/Auto CAHV, CRHV, Air To Water (PWFY) units : Heating, Heating ECO, Hot Water, Anti-freeze, Cooling(**) ** Auto mode is for CITY MULTI R2 and WR2 series only. ** Only PWFY	004	0
Temperature setting	Cool/Dry : 19°C (67°F) -35°C (95°F) (14°C (67°F) -30°C (87°F)] Heat : 4.5°C (40°F) -28°C (83°F) [17°C (63°F) -28°C (83°F)] Auto : 19°C (67°F) -28°C (83°F) [17°C (63°F) -28°C (83°F)] The range of temperature depends on the air conditioning unit. [] in case of using middle-temperature on PDFY, PEFY-VML/VMR/VMS/VMH-by setting DipSW7-1 to ON, Yet, PEFY-VMH-E-F is excluded.	○◎△●	0
Fan speed setting	Models with 4 air flow speed settings: Hi/Mid-2/Mid-1/Low Models with 3 air flow speed settings: Hi/Mid/Low Models with 2 air flow speed settings: Hi/Low Fan speed setting (including Auto) varies depending on the model.	00△●	0
Air fl ow direction setting	Air flow direction angles, 4-angles or 5-angles Swing, Auto (Louver cannot be set)	00△●	0
Schedule operation	Weekly schedule can be set by groups based on daily operation pattern.	00△●	0
Permit/prohibit local operation	Individually prohibits operation of each local remote controller function. (ON/OFF, Operation mode, Set temperature, Filter sign reset, Air Direction*, Fan Speed*, Timer*) * This function depends on the model.	00△●	0
Indoor unit intake temperature	Measures the intake temperature of the indoor unit only when the indoor unit is operating.	×	0
Error	When an error is currently occuring on an air conditioning unit, the afflicated unit and the error code are displayed.	×	
Test run	This operates air conditioning units in test run mode.	004	0
Ventilation interlock	The ventilation unit (LOSSNAY) is able to automatically start its operation when operation of the interlocked indoor unit starts.	004	0
External input/output	By using optional external input/output adapter (PAC-YG10HA-E) you can set and monitor the following. Input: By level signal: "Batch ON/OFF; "Batch emergency stop" By pulse signal: "Batch ON/OFF; "Enable/disable local remote controller" Output: "ON/OFF; "Error/Normal"	0	0
Energy Management	Bar Graph : Indoor unit Electric Energy, FAN operation time, Thermo-ON time (TOTAL, Cooling, Heating) can be displayed hourly, daily and monthly. Line Graph : Outdoor temp., Room temp., Set temp. (Heating, Cooling) input from PAC-YG63MCA and temp. from AHC.	×	□○●
Advanced HVAC Controller (AHC)	The status of AHC can only be monitored.	×	0
New Smart ME contoroller	The status of sensor on this controller can be monitored.	×	0
Smartphone/Tablet	The specified Web browser on iOS and Android OS can monitor and operate AE-200E. *2	0	0
New Web design	The web screen design is renewed for user friendly interface. *2	000	0
Initial setting software	The initial setting can be configured without the connection of AE-200E. *2	×	×
Apportionment of power consumption	Apportionment of power consumption can be calculated on AE-200 without TG-2000A. *2	•	□●
BACnet® communication	ANSI/ASHRAE 135-2010 (ISO16484-5) is supported and approved by the BTL. *2	0	×

^{*2} Please contact your local distributor for when the feature is supported.

List of Remote Controller Settings and Functions

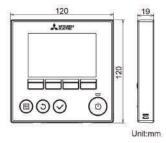
The remote controller provides a wide range of functions and features other than the main functions described below, such as sophisticated energy saving control and an easy to see, easy to use interface.

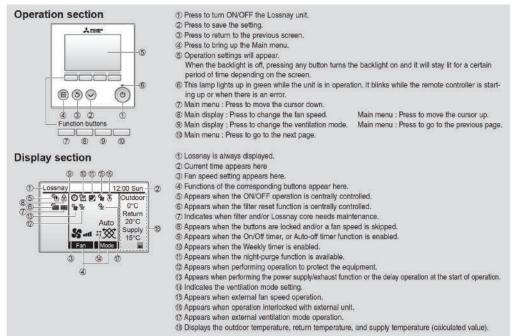
Function (Communicating mode)	PZ-61DR-E	PZ-43SMF-E
Fan speed selection	4 fan speeds	2 of 4 fan speeds
Ventilation mode selection	Energy recovery / Bypass / Auto	Energy recovery / Bypass / Auto
Night-purge (time)	Any time selectable	No
Night-purge (fan speed)	Selectable from 4 fan speeds	No
Dip-switch setting and function setting from RC	Yes	No
Bypass temp. free setting	Yes	No
Heater-On temp. free setting	Yes	No
Fan power up after installation	Yes	No
0 - 10VDC external input	Yes	Yes
ON/OFF timer	Yes	Yes
Auto-Off timer	Yes	No
Weekly 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 (8 languages)	No (English only)
Initializing remote controller	Yes	No
Filter cleaning sign	Yes	Yes
Lossnay core cleaning sign	Yes	No
Error indication	Yes	Yes
Error history	Yes	No
OA/RA/SA temp. display	Yes	No

CONTROLLERS

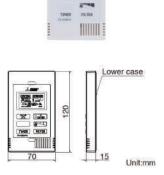
Lossnay Remote Controller (PZ-61DR-E)

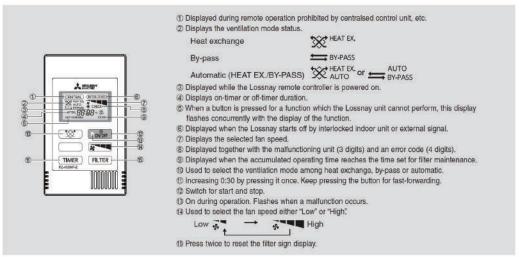






LOSSNAY Remote Controller (PZ-43SMF-E)

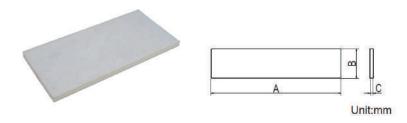




FILTERS

Standard Filter

Replacement components for the standard air filter supplied with the LOSSNAY LGH main unit.



Model	Dir	mension (ir	າ.)		oer of Per Set	Applicable	Filter Sets
riodei	А	В	С	Supply	Exhaust	Model	Required
PZ-50RF8-E	18-1/2	7-13/64	19/32	2	2	LGH-F300RVX	1
PZ-65RF8-E	17-3/64	8-37/64	19/32	2	2	LGH-F470RVX	1
PZ-80RF8-E	17-3/4	9-9/16	19/32	2	2	LGH-F600RVX	1
PZ-100RF8-E	22-1/4	9-9/16	19/32	2	2	LGH-F1200RVX	2

High-Efficiency Filter

This high-efficiency filter can be incorporated inside the LOSSNAY unit without the need to attach parts from other systems, as done to date. The main unit external dimensions are unchanged.



Model	Dir	nension (ii	ո.)		oer of Per Set	Applicable	Filter Sets	
Model	Α	В	С	Supply	Exhaust	Model	Required	
PZ-50RFM-E	18-17/64	6-57/64	63/64	2	2	LGH-F300RVX	1	
PZ-65RFM-E	16-13/16	8-15/64	63/64	2	2	LGH-F470RVX	1	
PZ-80RFM-E	17-9/16	9-19/64	63/64	2	2	LGH-F600RVX	1	
PZ-100RFM-E	22-1/64	9-19/64	63/64	2	2	LGH-F1200RVX	2	

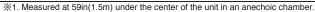


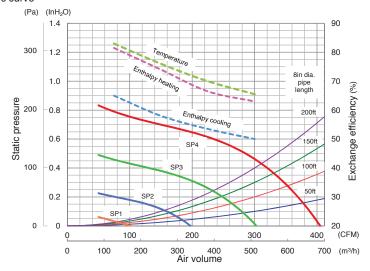
Incorporation into the main unit is simple, and filter changes can be performed via the main unit inspection opening.

LGH-F300RVX-E

MODEL			LGH-F3	800RVX-E	Ξ		SIGN			
Heat exchange system		Heat recove	ry ventilating	system						
Heat exchanger material			ted paper pla		nanger					
Cladding		Galvanized			-					
Heat insulation material		Self-extingu	ishing uretha	ane foam						
Motor		EC motor								
Blower		8 3/4 in. (22	0mm) diame	ter centrifug	al fan					
Filter		Non-woven	Ion-woven fabrics filter (EU-G3)							
Surrounding air condition					04°F(+40°C), 80%RH or	r less			
Suction air condition			er than 104°							
Supply fan operation under	er low	14°F (-10°C) to 5°F (-15°C): Intermittent operation 60 min ON, 10 min OFF.								
outdoor temperature	5°F (-15°C) or less: Intermittent operation 55 min OFF, 5 min ON.									
Function	Heat recovery ventilation/ Bypass ventilation, Fan speed 1,2,3,4									
Weight	75lbs (34kg)									
Electrical power supply		Single phase	ngle phase 208-230V 60Hz							
Ventilation mode		Heat recovery mode					Bypass			
Fan speed		SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running current	[A]	1.17-1.06	0.64-0.55	0.33	0.22	1.17-1.10	0.64-0.59	0.33	0.22	
Input power	[W]	155	78	32	12	155	81	35	14	
Air volume [C	CFM] m³/h]	300	225	150	75	300	225	150	75	
[r	m³/h]	510	382	255	127	510	382	255	127	
	//CFM]	0.52	0.35	0.21	0.16	0.52	0.36	0.23	0.19	
External static [Ir	nH ₂ O]	0.46	0.26	0.12	0.03	0.46	0.26	0.12	0.03	
pressure	[Pa]	115	65	29	8	115	65	29	8	
Exchange Temperature		65.5	70.0	76.0	83.0	-	-	-	-	
efficiency Enthalpy He	eating	63.0	66.5	74.0	81.5	-	-	-	-	
[%]	ooling	50.0 53.5 58.0 65.0						-		
Noise ※1	[dB]	34.0	28.0	22.0	18.0	35.0	29.0	22.0	18.0	
Insulation resistance		$10M\Omega$ or mo	re							
Dielectric strength		AC 1000V 1	minute							
Maximum current	[A]	2.05								

■Characteristic curve





■ Attention

- 1. The running current, the input power, the efficiency and the noise are based on the rating air volume. The noise is easured at 59in. under the center of the unit in an anechoic chamber.
- 2. Temperature exchange efficiency (%) is an average of heating and cooling.
- 3. Heat recovery ventilation mode starts automatically while detecting OA temperature lower than 8°C, even Bypass mode is selected. Remote controller continues to display "Bypass ventilation" in this case.
- Mitsubishi Electric measures figures in the chart according to Japan Industrial Standard (JIS B 8628-2003). The characteristic curves are measured by chamber method. Only the temperature condition of the efficiency measuring is based on AHRI 1060-2014.
- 5. The noise level at 59in. away from outlets in the 45° direction is about 18dB greater than the indicated value at fan speed4.
- 6. On-site measurements by pitot tube method could be as much 20% difference from JIS test room conditions. If the measuring point is close to sources of turbulence like bends, contractions and dampers etc., it is difficult to measure air volume correctly. A straight duct length more than 10D (D=duct diameter) from the source of turbulence is recommended for correct measurement. On-site measurement should therefore be measured in accordance with BSRIA guideline (Commissioning Air Systems. Application procedures for buildings AG3/89.3(2001)).

SPECIFICATIONS

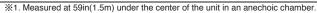
DATE TYPE CEILING RECESSED LOSSNAY LGH-F300RVX-E

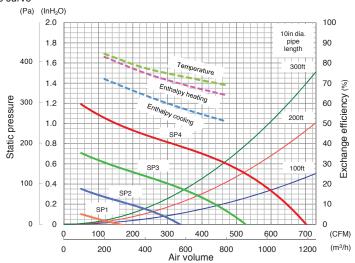
MITSUBISHI ELECTRIC CORPORATION NUMBER N19HHGU0051 1/5

LGH-F470RVX-E

M	ODEL			LGH-F4	170RVX-I			SIGN				
Heat exchar	nge systen	n	Heat recove	Heat recovery ventilating system								
Heat exchar					ate heat exc	nanger						
Cladding			Galvanized	alvanized steel sheet								
Heat insulat	ion materi	al	Self-extingu	elf-extinguishing urethane foam								
Motor			EC motor	© motor								
Blower				5/8 in. (245mm) diameter centrifugal fan								
Filter				fabrics filter								
Surrounding					-10°C) and 1), 80%RH c	r less				
Applicable a		n range	Shall be low	er than 104°	°F(+40°C), 8	0%RH			·			
of outdoor a		nd indoor 14°F (-10°C) to 5°F (-15°C): Intermittent operation 60 min ON, 10 min OFF.										
Suction air of	condition		5°F (-15°C)	or less : Inte	rmittent oper	ation 55 mir	n OFF, 5 mii	n ON.				
Functions				recovery ventilation/ Bypass ventilation, Fan speed 1,2,3,4								
Weight			110lbs (50kg)									
Electrical po		У	Single phas	e 208-230V								
Ventilation r	node		Heat recovery mode						iss mode			
Fan speed			SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1		
Running cur	rent	[A]	2.15	1.20	0.64	0.39	2.28	1.23	0.66	0.39		
Input power		[W]	348	176	89	31	365	184	94	34		
Air volume		[CFM]	470	353	235	118	470	353	235	118		
		[m ³ /h]	799	599	399	200	799	599	399	200		
		[W/CFM]	0.74	0.50	0.38	0.26	0.78	0.52	0.40	0.29		
External sta	tic	[ln.H ₂ O]	0.60	0.34	0.15	0.04	0.60	0.34	0.15	0.04		
pressure		[Pa]	150	84	38	9	150	84	38	9		
	Temperat		69.0	73.0	77.5	84.5	-	-	-	-		
efficiency	Enthalpy	Heating	64.0	69.0	75.0	83.0	-		-	-		
[%]		Cooling	ng 51.0 57.0 64.0 72.0						-			
Noise 💥		[dB]	34.5	30.0	23.0	18.0	36.0	30.0	23.0	18.0		
Insulation re			10MΩ or mo									
Dielectric strength			AC 1000V 1	minute								
Maximum current [A]			3.10									

■Characteristic curve





■ Attention

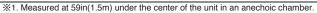
- 1. The running current, the input power, the efficiency and the noise are based on the rating air volume. The noise is easured at 59in. under the center of the unit in an anechoic chamber.
- 2. Temperature exchange efficiency (%) is an average of heating and cooling.
- 3. Heat recovery ventilation mode starts automatically while detecting OA temperature lower than 8°C, even Bypass mode is selected. Remote controller continues to display "Bypass ventilation" in this case.
- Mitsubishi Electric measures figures in the chart according to Japan Industrial Standard (JIS B 8628-2003). The characteristic curves are measured by chamber method. Only the temperature condition of the efficiency measuring is based on AHRI 1060-2014.
- 5. The noise level at 59in. away from outlets in the 45° direction is about 24dB greater than the indicated value at fan speed4.
- 6. On-site measurements by pitot tube method could be as much 20% difference from JIS test room conditions. If the measuring point is close to sources of turbulence like bends, contractions and dampers etc., it is difficult to measure air volume correctly. A straight duct length more than 10D (D=duct diameter) from the source of turbulence is recommended for correct measurement. On-site measurement should therefore be measured in accordance with BSRIA guideline (Commissioning Air Systems. Application procedures for buildings AG3/89.3(2001)).
 **Specification may be subject to change without notice.

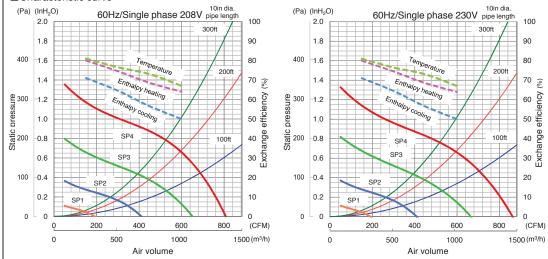
MITSUBISHI ELECTRIC COR	PORATION	NUMBER	N19HHGU0052	1/5
SELCII ICATIONS	06-Nov-19	MODEL	LGH-F470RVX-E	
SPECIFICATIONS	DATE	TYPE	CEILING RECESSED LOSSNAY	

LGH-F600RVX-E

М	ODEL			LGH-F6	600RVX-I			SIGN			
Heat exchar	nae systen	n	Heat recove	ry ventilating	svstem					-	
Heat exchar				ted paper pl		nanger					
Cladding			Galvanized	alvanized steel sheet							
Heat insulat	ion materi	al	Self-extingu	ishing uretha	ane foam						
Motor			EC motor								
Blower			9 5/8 in. (24	5mm) diame	ter centrifug	al fan					
Filter			Non-woven	fabrics filter	(EU-G3)						
Surrounding	air condit	air condition Shall be between 14°F(-10°C) and 104°F(+40°C), 80%RH or less									
Suction air o			Shall be low	er than 104°	°F(+40°C), 8	0%RH					
Supply fan o	peration ι	under low	14°F (-10°C) to 5°F (-15°C): Intermittent operation 60 min ON, 10 min OFF.								
	utdoor temperature 5°F (-15°C) or less: Intermittent operation 55 min OFF, 5 min ON.										
Function	unction Heat recovery ventilation/ Bypass ventilation, Fan speed 1,2,3,4										
Weight			123lbs (56k								
Electrical po	wer suppl	у	Single phase 208-230V 60Hz								
Ventilation n				Heat reco	very mode		Bypass mode				
Fan speed			SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running cur	rrent	[A]	2.70	1.40	0.68	0.28	2.85	1.45	0.72	0.30	
Input power		[W]	438	210	95	34	455	225	103	37	
Air volume		[CFM]	600	450	300	150	600	450	300	150	
		[m³/h]	1019	765	510	255	1019	765	510	255	
		[W/CFM]	0.73	0.47	0.32	0.23	0.76	0.50	0.34	0.25	
External star	tic	[InH ₂ O]	0.66	0.37	0.16	0.04	0.66	0.37	0.16	0.04	
pressure		[Pa]	164	93	41	11	164	93	41	11	
Exchange	Temperat	ure	67.0	73.0	76.5	81.0	-	-	-	-	
efficiency	Enthalpy	Heating	64.0	68.5	74.5	80.0	-	-	-	-	
[%]		Cooling	ng 50.0 56.5 64.5 71.0						-		
Noise X1	1	[dB]	37.0	31.0	23.0	18.0	38.0	32.0	24.0	18.0	
Insulation re	esistance		10MΩ or mo	ore							
Dielectric str	rength		AC 1000V 1	minute							
Maximum cu	urrent	[A]	3.45					•	•		

■Characteristic curve





■ Attention

- 1. The running current, the input power, the efficiency and the noise are based on the rating air volume. The noise is easured at 59in. under the center of the unit in an anechoic chamber.
- 2. Temperature exchange efficiency (%) is an average of heating and cooling.
- 3. Heat recovery ventilation mode starts automatically while detecting OA temperature lower than 8°C, even Bypass mode is selected. Remote controller continues to display "Bypass ventilation" in this case.
- Mitsubishi Electric measures figures in the chart according to Japan Industrial Standard (JIS B 8628-2003). The
 characteristic curves are measured by chamber method. Only the temperature condition of the efficiency measuring is
 based on AHRI 1060-2014.
- 5. The noise level at 59in. away from outlets in the 45° direction is about 21dB greater than the indicated value at fan speed4
- 6. On-site measurements by pitot tube method could be as much 20% difference from JIS test room conditions. If the measuring point is close to sources of turbulence like bends, contractions and dampers etc., it is difficult to measure air volume correctly. A straight duct length more than 10D (D=duct diameter) from the source of turbulence is recommended for correct measurement. On-site measurement should therefore be measured in accordance with BSRIA guideline (Commissioning Air Systems. Application procedures for buildings AG3/89.3(2001)).

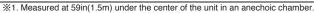
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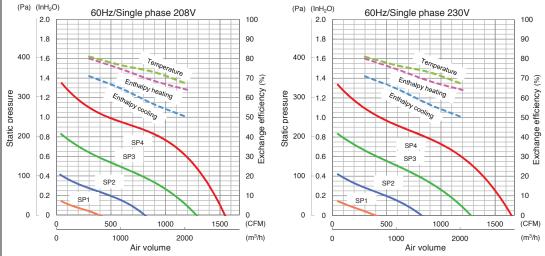
MITSUBISHI ELECTRIC COR	PORATION	NUMBER	N19HHGU0053	1/5	
3FLOII ICATIONS	06-Nov-19	MODEL	LGH-F600RVX-E		
SPECIFICATIONS	DATE	TYPE	CEILING RECESSED LOSSNAY		

LGH-F1200RVX-E

MC	DDEL			LGH-F1	200RVX-	E		SIGN			
Heat exchan	ge systen	n	Heat recove	ery ventilating	g system						
Heat exchan			Special trea	ted paper pl	ate heat exch	nanger					
Cladding			Galvanized								
Heat insulati	on materia	al	Self-extingu	ishing uretha	ane foam						
Motor			EC motor								
Blower			9 5/8 in. (24	5mm) diame	ter centrifuga	al fan					
Filter			Non-woven	fabrics filter	(EU-G3)						
Surrounding	air condit	ion	Shall be bet	ween 14°F	-10°C) and 10)4°F(+40°C), 80%RH	or less			
Suction air c					°F(+40°C), 8						
Supply fan o	peration ι	ınder low	14°F (-10°C	14°F (-10°C) to 5°F (-15°C): Intermittent operation 60 min ON, 10 min OFF.							
outdoor temp	utdoor temperature 5°F (-15°C) or less: Intermittent operation 55 min OFF, 5 min ON.										
Function	Heat recovery ventilation/ Bypass ventilation, Fan speed 1,2,3,4										
Weight			251lbs (114								
Electrical po	wer supply	y	Single phase 208-230V 60Hz								
Ventilation m	node		Heat recovery mode					Вур	ass mode		
Fan speed			SP4	SP3	SP2	SP1	SP4	SP3	SP2	SP1	
Running cur	rent	[A]	5.40	2.80-2.45	1.35-1.16	0.60	5.40	2.55	1.26	0.65	
Input power		[W]	880	440	200	80	880	440	210	85	
Air volume		[CFM]	1200	900	600	300	1200	900	600	300	
		[m ³ /h]	2039	1529	1019	510	2039	1529	1019	510	
		[W/CFM]	0.73	0.49	0.33	0.27	0.73	0.49	0.35	0.28	
External stat	ic	[InH ₂ O]	0.59	0.33	0.15	0.04	0.59	0.33	0.15	0.04	
pressure		[Pa]	147	83	37	10	147	83	37	10	
	Temperat	ure	67.0	73.0	76.5	81.0	-	-	-	-	
efficiency	Enthalpy	Heating	64.0	68.5	74.5	80.0	-	-	-	-	
[70]	Lilliaipy	Cooling							-		
Noise ¾1		[dB]	41.0	36.0	28.0	19.5	42.0	36.0	28.0	19.5	
Insulation re	sistance		10MΩ or mo	ore				-			
Dielectric strength			AC 1000V 1	minute		•			•		
Maximum cu	rrent	[A]	6.40								

■ Characteristic curve





■ Attention

- 1. The running current, the input power, the efficiency and the noise are based on the rating air volume. The noise is easured at 59in. under the center of the unit in an anechoic chamber.
- 2. Temperature exchange efficiency (%) is an average of heating and cooling.
- Heat recovery ventilation mode starts automatically while detecting OA temperature lower than 8°C, even Bypass mode is selected. Remote controller continues to display "Bypass ventilation" in this case.
- Mitsubishi Electric measures figures in the chart according to Japan Industrial Standard (JIS B 8628-2003). The
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 $\ensuremath{\mathsf{XSpecification}}$ may be subject to change without notice.

MITSUBISHI ELECTRIC COR	PORATION	NUMBER	N19HHGU0054	1/5
SELCII ICATIONS	06-Nov-19	MODEL	LGH-F1200RVX-E	
SPECIFICATIONS	DATE	TYPE	CEILING RECESSED LOSSNAY	





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