VENTILATION

Clean Air Supply

Remove Up to 99.99% of Harmful Particles on Pre-Filter with UVnano

UVnano™

UVnano is a compound word of UV (ultraviolet) LED which reduces harmful bacteria, and nanometer which is the UV wavelength unit.

Pre-Filter

UV-LED

UVnano Technology Applied

It Prevents 99.99 % of Bacteria and Viruses from Growing

Easy Filter Maintenance

Via the one-touch button, the user can open the access door at the bottom of the unit, pull down the heat exchanger to change the filters. It is easy and simple without the need for any additional tools.
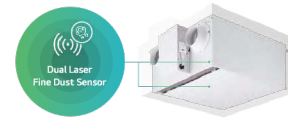

Filter Handle

One Touch Button

After pressing the one-touch button, unhook the safety hooks that holds door from failing to fully open the door.

Hold the filter handle and pull it out down.
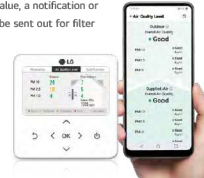
Smart Control

① Dual Laser Fine Dust Sensor

Two fine dust sensors monitor the incoming air and the supplied air to the room in real time to ensure that clean air is always supplied.

Dual Laser Fine Dust Sensor

When the measured dust concentration in the air supplied to the room is higher than the pre-set value, a notification or text message will be sent out for filter replacement.

* Wi-Fi Modem is Optional.

② CO₂ Monitoring

The embedded CO_2 sensor monitors the carbon dioxide concentration in the room in real time and automatically controls the ventilation rate.

CO₂ Sensor

The system monitors the CO_2 concentration in the room and adjusts the ventilation rate accordingly. When the CO_2 concentration is high, it increases the ventilation rate, and automatically reduces it when the concentration is low.

* Wi-Fi Modem is Optional.

* CO_2 Sensor is Embedded.

③ Control ERV Anytime, Anywhere

Wired Remote Control	Mobile	Third-Party Compatibility
		Modbus
- Indoor CO_2 concentration - Dust concentration in the supply air - Dust concentration in outdoor air	Check and control the Indoor air condtioner anytime, anywhere	With the dry contact connected, Modbus protocol is available.

* To use 3rd party wall pad, please contact Sales Engineer.

④ Filter Maintenance Alarm

The filter replacement notification and text message are sent when the fine dust concentration is higher than the pre-set point.

When Should the Filter be Replaced?

Replace the fine dust filter in ERV.

LZ-H015GBA6 / LZ-H020GBA6

MODEL				LZ-H015GBA6	LZ-H020GBA6
Dimensions (W x H x D)	Body		mm	640 x 320 x 640	640 x 320 x 640
Weight	Body		kg	23	23
Power Supply			Ø / V / Hz	1 / 230 / 50	1 / 230 / 50
ERV Mode	Operating Step			SH / H / L	SH / H / L
	Current	SH / H / L	A	0.43 / 0.38 / 0.23	0.59 / 0.51 / 0.26
	Power Input	SH / H / L	W	56 / 49 / 26	79 / 71 / 30
	Air Flow	SH / H / L	CMH	150 / 150 / 80	200 / 200 / 100
	External Static Pressure	SH / H / L	Pa	100 / 70 / 50	100 / 70 / 50
	Temperature Exchange Efficiency	Heating (SH / H / L) (EEP)	%	85	82
		Heating (SH / H / L) (JIS)	%	80 / 80 / 84	78 / 78 / 82
		Cooling (SH / H / L) (JIS)	%	74 / 74 / 83	70 / 70 / 81
	Enthalpy Exchange Efficiency	Heating (SH / H / L) (JIS)	%	79 / 79 / 83	75 / 75 / 81
		Cooling (SH / H / L) (JIS)	%	74 / 74 / 80	68 / 68 / 76
	Energy Label	A+ to G Scale		A	A
	Sound Power Level	SH / H / L	dB(A)	53 / 51 / 45	55 / 53 / 46
	Sound Pressure Level	SH / H / L	dB(A)	28 / 26 / 21	30 / 28 / 22
Bypass Mode	Current	SH / H / L	A	0.45 / 0.40 / 0.26	0.60 / 0.52 / 0.29
	Power Input	SH / H / L	W	63 / 53 / 31	84 / 73 / 35
	Air Flow	SH / H / L	CMH	150 / 150 / 80	200 / 200 / 100
	External Static Pressure	SH / H / L	Pa	100 / 70 / 50	100 / 70 / 50
Operation Range	Outdoor Air Temperature / Relative Humidity		℃ / %	-10 ~ 40 / 20 ~ 80	-10 ~ 40 / 20 ~ 80
Duct Work	Qty		EA	4	4
	Size (Ø)		mm	125	125
Fan Motor	Supply Air Fan		RPM	1,850 / 1,710 / 1,300	2,050 / 1,910 / 1,400
	Exhaust Air Fan		RPM	1,750 / 1,600 / 1,250	1,910 / 1,770 / 1,320
	Max.		RPM	2,100	2,100
	Min.		RPM	1,000	1,000
Filters	Grade[1]		-	ePM₁ 95%	ePM₁ 95%
	Size (W x H x D)		mm	278 x 276 x 50	278 x 276 x 50

Note :
1. Cooling Capacity Test condition - Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB
2. Heating Capacity Test condition - Indoor temperature : 20°C DB / Outdoor temperature : 7°C DB, 6°C WB
3. Humidifying capacity is based on the following conditions - Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB
4. Cooling and heating capacities are based on the following conditions. : Fan is based on High and Super-high.
5. The operating sound measured at the point 1.5 m below the center of the unit is converted to that measured at an anechoic chamber.
6. The specifications, designs and information here are subject to change without notice.

LZ-H015GBA6 / LZ-H020GBA6

Accessories

CHASSIS	LZ-H015GBA6	LZ-H020GBA6
CO₂ Sensor	Embedded	
UVnano	Embedded	
Pre Filter (Washable)	Embedded	
Dual Laser Fine Dust Sensor	Embedded	
Remote Controller (PREMTB101 / PREMTBB11)	O	
Wi-Fi Modem (PWFMDD200)	O	

※ O : Applied, - : Not applied
Option : Refer to model name in table

Functions

MODEL		LZ-H015GBA6	LZ-H020GBA6
Air Purification	UVnano	O	O
	Pre-Filter	O	O
	Fine Filter (ePM₁ 95%)	O	O
Reliability	Self Diagnosis	O	O
	Auto Restart	O	O
Convenience	Child Lock*	O	O
	Forced Operation	O	O
	Group Control*	O	O
	Turn On / Off Reservation	O	O
	Schedule*	O	O
	Night Silent Cooling Operation	O	O
	Delayed Operation	O	O
	Airflow Amount Customized Operation	O	O
	Seasonal Customized Operation	O	O
	Seasonal Auto Operation	O	O
Installation	E.S.P. Control*	O	O
ETC	Central Control (LGAP)	O	O
	Filter Alarm	O	O
	CO₂ Sensor	O	O
	Wi-Fi	Accessory	Accessory

Note
1. O : Applied, X : Not applied
   Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.
   Accessory line-ups varies by region, so check your local catalogue or local sales material.
2. Some functions can be limited by remote controller.
3. * : These functions need to connect the wired remote controller