

ERV

LZ-H025GBA4 / LZ-H035GBA5
LZ-H050GBA5



Model	Unit	LZ-H025GBA4	LZ-H035GBA5	LZ-H050GBA5	
Dimensions (W x H x D)	Body	mm 988 x 273 x 1,014			
Weight	Body	kg 44			
Power Supply	Ø, V, Hz	1, 220-240, 50			
Normal Air flow	m³/h	250	350	500	
ERV Mode	Operating Step	Super-high / High / Low			
	Current	SH / H / L	A 0.70 / 0.60 / 0.42	1.05 / 0.90 / 0.50	1.65 / 1.56 / 0.80
	Power Input	SH / H / L	W 97 / 87 / 52	150 / 125 / 60	247 / 230 / 95
	Air Flow	SH / H / L	m³/h 250 / 250 / 150	350 / 350 / 210	500 / 500 / 320
	External Static Pressure	SH / H / L	Pa 100 / 70 / 50	150 / 100 / 50	150 / 100 / 50
	Temperature Exchange Efficiency	SH / H / L	% 80 / 80 / 83	80 / 80 / 82	79 / 79 / 82
	Enthalpy Exchange Efficiency	Heating (SH / H / L)	% 70 / 70 / 72	75 / 75 / 80	75 / 75 / 78
		Cooling (SH / H / L)	% 66 / 66 / 68	71 / 71 / 75	68 / 68 / 75
	Energy Label	A+ to G Scale	A B B		
	Sound Pressure Level	SH / H / L	dB(A) 29 / 28 / 24	35 / 32 / 26	37 / 36 / 28
Sound Power Level	SH / H / L	dB(A) 50	53 / 50 / 42	57 / 56 / 46	
Bypass Mode	Operating Step	Super-high / High / Low			
	Current	SH / H / L	A 0.70 / 0.60 / 0.42	1.05 / 0.90 / 0.50	1.65 / 1.56 / 0.80
	Power Input	SH / H / L	W 97 / 87 / 52	150 / 125 / 60	247 / 230 / 95
	Air Flow	SH / H / L	m³/h 250 / 250 / 150	350 / 350 / 210	500 / 500 / 320
	External Static Pressure	SH / H / L	Pa 100 / 70 / 50	150 / 100 / 50	150 / 100 / 50
	Sound Pressure Level	SH / H / L	dB(A) 29 / 29 / 25	35 / 33 / 26	37 / 37 / 28
Duct Work	Qty	EA 4			
	Size (Ø)	mm Ø200			
Supply Air Fan	Qty	EA 1			
	Type	Direct-Drive Sirocco			
Exhaust Air Fan	Qty	EA 1			
	Type	Direct-Drive Sirocco			
Filters	Qty	EA 2			
	Type	Cleanable fibrous fleeces			
	Size (W x H x D)	mm 855 x 10 x 166			

- Note : 1. ERV mode : Total Heat Recovery Ventilation mode
 2. * : Refer to dimensional drawings.
 3. Noise level :
 - The operating conditions are assumed to be standard
 - Sound measured at 1.5m below the center the body.
 - Sound level will vary depending on a range of factors such as the construction(acoustic absorption coefficient) of particular room in which the equipment is installed.
 - The sound level at the air discharge port is about 8 dB(A) higher than the unit's operating sound.
 4. Temperature and Enthalpy Exchange Efficiency at cooling Indoor Temperature : 26.5°C DB, 64.5% RH, Outdoor Temperature : 34.5°C DB, 75% RH
 5. Temperature and Enthalpy Exchange Efficiency at heating Indoor Temperature : 20.5°C DB, 59.5% RH, Outdoor Temperature : 5°C DB, 65% RH
 6. Temperature Exchange efficiency is tested at heating condition.

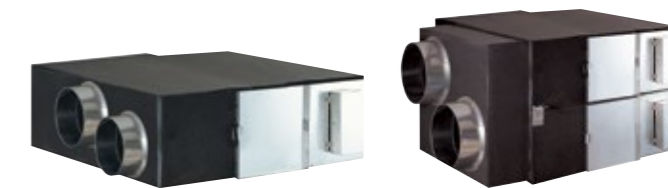
Accessories

Chassis	LZ-H025GBA4	LZ-H035GBA5	LZ-H050GBA5
Drain Pump	-	-	-
Cassette Cover	-	-	-
Refrigerant Leakage Detector	-	-	-
EEV Kit	-	-	-
Independent Power Module	-	-	-
Robot Cleaner	-	-	-
Pre Filter (washable / anti-fungus)	-	-	-
Ion Generator	-	-	-
CO ₂ Sensor	-	○	-
Ventilation Kit	-	-	-
IR Receiver	-	-	-
Zone Controller	-	-	-
Dry Contact (with additional accessory)	-	PDRYCB000 (1 point contact) PDRYCB500 (Modbus)	
External Input (1 point)	-	-	-
Wi-Fi	-	-	-

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

ERV

LZ-H080GBA5 / LZ-H100GBA5
LZ-H150GBA5 / LZ-H200GBA5



Model	Unit	LZ-H080GBA5	LZ-H100GBA5	LZ-H150GBA5	LZ-H200GBA5	
Dimensions (W x H x D)	Body	mm 1,101 x 405 x 1,230		1,353 x 815 x 1,230		
Weight	Body	kg 63		130		
Power Supply	Ø, V, Hz	1, 220-240, 50		1, 220-240, 50		
Normal Air flow	m³/h	800	1,000	1,500	2,000	
ERV Mode	Operating Step	Super-high / High / Low		Super-high / High / Low		
	Current	SH / H / L	A 2.13 / 1.75 / 1.00	2.92 / 2.38 / 1.40	4.26 / 3.50 / 2.00	5.92 / 4.76 / 2.80
	Power Input	SH / H / L	W 328 / 266 / 144	463 / 370 / 208	660 / 530 / 290	926 / 740 / 420
	Air Flow	SH / H / L	m³/h 800 / 800 / 660	1,000 / 1,000 / 800	1,500 / 1,500 / 1,200	2,000 / 2,000 / 1,600
	External Static Pressure	SH / H / L	Pa 160 / 100 / 50	160 / 100 / 50	160 / 100 / 50	160 / 100 / 50
	Temperature Exchange Efficiency	SH / H / L	% 82 / 82 / 83	80 / 80 / 81	82 / 82 / 83	80 / 80 / 81
	Enthalpy Exchange Efficiency	Heating (SH / H / L)	% 73 / 73 / 76	71 / 71 / 73	73 / 73 / 76	71 / 71 / 73
		Cooling (SH / H / L)	% 66 / 66 / 70	64 / 64 / 67	66 / 66 / 70	64 / 64 / 67
	Sound Pressure Level	SH / H / L	dB(A) 40 / 36 / 32	40 / 37 / 33	43 / 39 / 35	43 / 40 / 36
	Sound Power Level	SH / H / L	dB(A) 56 / 53 / 47	59 / 56 / 52	59 / 56 / 50	62 / 59 / 55
Bypass Mode	Operating Step	Super-high / High / Low		Super-high / High / Low		
	Current	SH / H / L	A 2.13 / 1.75 / 1.00	2.92 / 2.38 / 1.40	4.26 / 3.50 / 2.00	5.92 / 4.76 / 2.80
	Power Input	SH / H / L	W 328 / 266 / 144	463 / 370 / 208	660 / 530 / 290	926 / 740 / 420
	Air Flow	SH / H / L	m³/h 800 / 800 / 660	1,000 / 1,000 / 800	1,500 / 1,500 / 1,200	2,000 / 2,000 / 1,600
	External Static Pressure	SH / H / L	Pa 160 / 100 / 50	160 / 100 / 50	160 / 100 / 50	160 / 100 / 50
	Sound Pressure Level	SH / H / L	dB(A) 41 / 37 / 33	41 / 38 / 34	44 / 40 / 36	44 / 41 / 37
Duct Work	Qty	EA 4		4 + 2		
	Size (Ø)	mm Ø250		Ø250 + Ø350		
Supply Air Fan	Qty	EA 1		2		
	Type	Direct-Drive Sirocco		Direct-Drive Sirocco		
Exhaust Air Fan	Qty	EA 1		2		
	Type	Direct-Drive Sirocco		Direct-Drive Sirocco		
Filters	Qty	EA 2		4		
	Type	Cleanable fibrous fleeces		Cleanable fibrous fleeces		
	Size (W x H x D)	mm 1,148 x 6 x 245		1,148 x 6 x 245		

- Note : 1. ERV mode : Total Heat Recovery Ventilation mode
 2. * : Refer to dimensional drawings.
 3. Noise level :
 - The operating conditions are assumed to be standard
 - Sound measured at 1.5m below the center the body.
 - Sound level will vary depending on a range of factors such as the construction(acoustic absorption coefficient) of particular room in which the equipment is installed.
 - The sound level at the air discharge port is about 8 dB(A) higher than the unit's operating sound.
 4. Temperature and Enthalpy Exchange Efficiency at cooling Indoor Temperature : 26.5°C DB, 64.5% RH, Outdoor Temperature : 34.5°C DB, 75% RH
 5. Temperature and Enthalpy Exchange Efficiency at heating Indoor Temperature : 20.5°C DB, 59.5% RH, Outdoor Temperature : 5°C DB, 65% RH
 6. Temperature Exchange efficiency is tested at heating condition.

Accessories

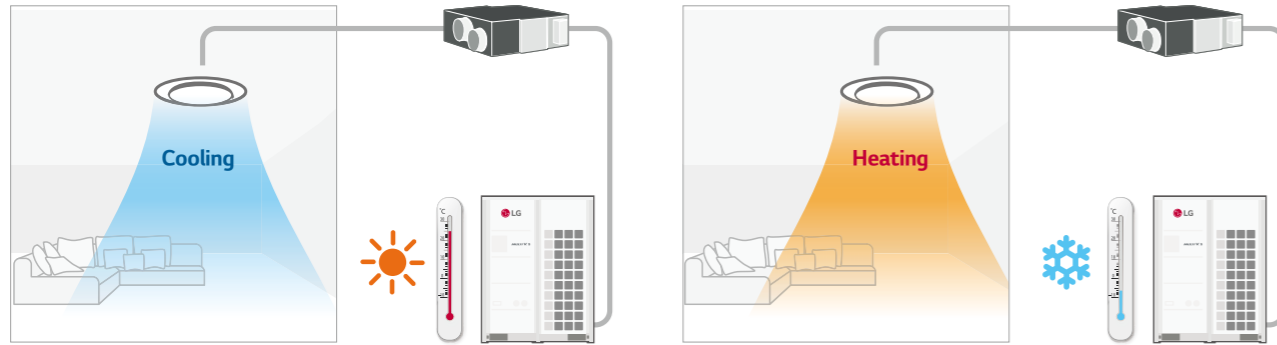
Chassis	LZ-H080GBA5	LZ-H100GBA5	LZ-H150GBA5	LZ-H200GBA5
Drain Pump	-	-	-	-
Cassette Cover	-	-	-	-
Refrigerant Leakage Detector	-	-	-	-
EEV Kit	-	-	-	-
Independent Power Module	-	-	-	-
Robot Cleaner	-	-	-	-
Pre Filter (washable / anti-fungus)	-	-	-	-
Ion Generator	-	-	-	-
CO ₂ Sensor	-	○	-	-
Ventilation Kit	-	-	-	-
IR Receiver	-	-	-	-
Zone Controller	-	-	-	-
Dry Contact (with additional accessory)	-	PDRYCB000 (1 point contact) PDRYCB500 (Modbus)		
External Input (1 point)	-	-	-	-
Wi-Fi	-	-	-	-

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

ERV WITH DX COIL

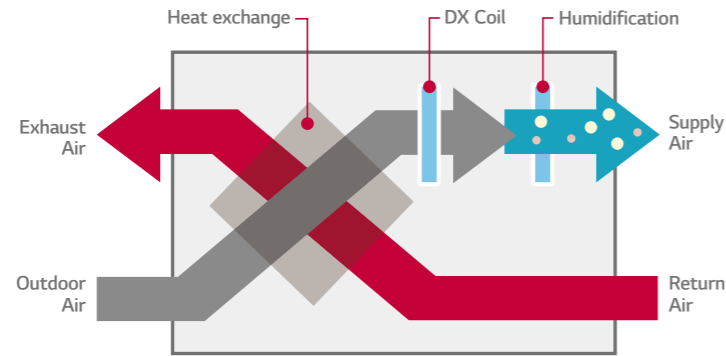
Providing Cool & Warm Fresh Air

During the summer, ERV DX can transform outdoor warm air into cool air for indoors, and it can prevent cold draft during the winter by supplying warm air.



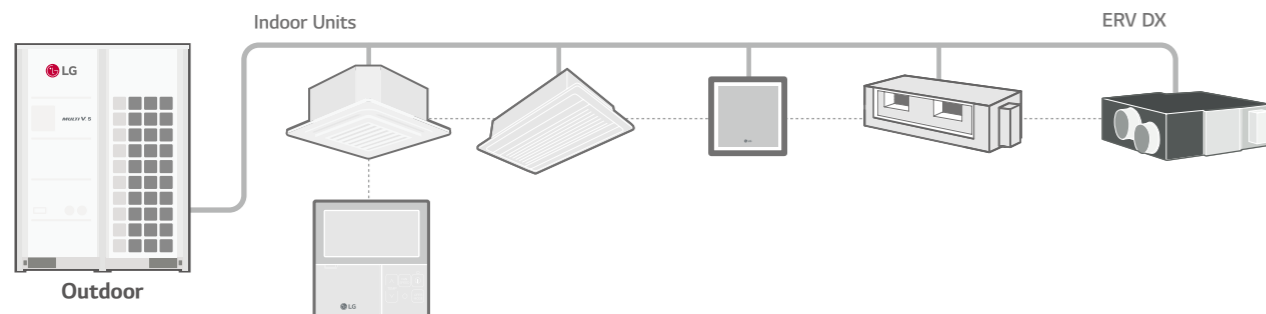
Total Air Conditioning Solution

LG ERV DX can be used as a Total Air Conditioning Solution. It can control condition of incoming air with the DX coil and humidifier for making comfortable indoor air. In the summer, LG ERV DX provides air conditioning by cooling and dehumidifying incoming air. In winter, It provides warm air by heating and humidifying the incoming air.



Interlocking with MULTI V

LG ERV DX can be interlocked with MULTI V. It can be controlled individually by a wired remote controller connected to MULTI V indoor units.



ERV WITH DX COIL

LZ-H050GXH4 / LZ-H080GXH4
LZ-H100GXH4 / LZ-H050GXN4
LZ-H080GXN4 / LZ-H100GXN4



Model		LZ-H050GXH4	LZ-H080GXH4	LZ-H100GXH4	LZ-H050GXN4	LZ-H080GXN4	LZ-H100GXN4
Fresh Air	Cooling	kW	4.93	7.46	9.12	4.93	7.46
Conditioning Load	Heating	kW	6.73	9.80	11.72	6.73	9.80
Temperature Exchange Efficiency	SH / H / L	%	86 / 86 / 87	80 / 80 / 81	76 / 76 / 78	86 / 86 / 87	80 / 80 / 81
Enthalpy Exchange Efficiency	Cooling (SH / H / L)	%	61 / 61 / 63	50 / 50 / 53	45 / 45 / 50	61 / 61 / 63	50 / 50 / 53
Operation Range	Heating (SH / H / L)	%	76 / 76 / 77	67 / 67 / 69	64 / 64 / 66	76 / 76 / 77	67 / 67 / 69
Air Flow Rate	Outdoor air Temperature	°C	-15 ~ 45	-15 ~ 45	-15 ~ 45	-15 ~ 45	-15 ~ 45
Fan	Heat Exchange Mode (SH / H / L)	CMH	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820	500 / 500 / 440	800 / 800 / 640
	Bypass Mode (SH / H / L)	CMH	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820	500 / 500 / 440	800 / 800 / 640
Humidifier	External Static Pressure (SH / H / L)	Pa	160 / 120 / 100	140 / 90 / 70	110 / 70 / 60	180 / 150 / 110	170 / 120 / 80
	System	Natural Evaporating Type	-	-	-	-	-
Sound Pressure	Amount	kg/h	2.70	4.00	5.40	-	-
	Pressure Feed Water	Mpa	-	0.02 ~ 0.49	-	-	-
Refrigerant	Heat Exchange Mode (SH / H / L)	dB(A)	38 / 36 / 33	39 / 37 / 34	40 / 38 / 35	39 / 37 / 35	41 / 38 / 36
	Bypass Mode (SH / H / L)	dB(A)	39 / 37 / 34	40 / 38 / 35	40 / 38 / 35	39 / 37 / 35	41 / 38 / 36
Power Supply	Refrigerant		R410A				
Power Input (Nominal)	Power Supply	Ø, V, Hz	1, 220-240, 50,60				
Nominal Running Current (RLA)	Heat Exchange Mode (SH / H / L)	kW	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25	0.48 / 0.42 / 0.27	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25
	Bypass Mode (SH / H / L)	kW	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25	0.48 / 0.42 / 0.27	0.25 / 0.20 / 0.15	0.42 / 0.35 / 0.25
Heat Exchange System	Heat Exchange Mode (SH / H / L)	A	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5
	Bypass Mode (SH / H / L)	A	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5	3.6 / 3.2 / 2.3	1.5 / 1.3 / 1.0	2.5 / 2.0 / 1.5
Heat Exchange Element	Heat Exchange System		Air to air cross flow total heat (sensible + latent heat) exchange		Air to air cross flow total heat (sensible + latent heat) exchange		
Air Filter	Heat Exchange Element		Specially processed non-flammable paper		Specially processed non-flammable paper		
Dimensions	Air Filter		Multidirectional fibrous fleeces		Multidirectional fibrous fleeces		
Net Weight	Dimensions	W x H x D	mm		mm		
	Net Weight		kg		kg		
Piping Connection	Liquid	mm	Ø6.35		Ø6.35		
	Gas	mm	Ø12.7		Ø12.7		
	Water	mm	Ø6.35		-		
Connection Duct Diameter	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)		Ø25 (1)		
	Connection Duct Diameter	mm	Ø250		Ø250		

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.

Accessories

Chassis	LZ-H050GXH4	LZ-H080GXH4	LZ-H100GXH4	LZ-H050GXN4	LZ-H080GXN4	LZ-H100GXN4
Drain Pump	-	-	-	-	-	-
Cassette Cover	-	-	-	-	-	-
Refrigerant Leakage Detector	-	-	-	PRLDNV50	-	-
EEV Kit	-	-	-	-	-	-
Independent Power Module	-	-	-	-	-	-
Robot Cleaner	-	-	-	-	-	-
Pre Filter (washable / anti-fungus)	-	-	-	-	-	-
Ion Generator	-	-	-	-	-	-
CO ₂ Sensor	-	-	-	AHCS100H0	-	-
Ventilation Kit	-	-	-	-	-	-
IR Receiver	-	-	-	-	-	-
Zone Controller	-	-	-	-	-	-
Dry Contact (with additional accessory)	-	-	-	PDRYCB000 (1 point contact)	-	-
External Input (1 point)	-	-	-	PDRYCB500 (Modbus)	-	-
Wi-Fi	-	-	-	-	-	-

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