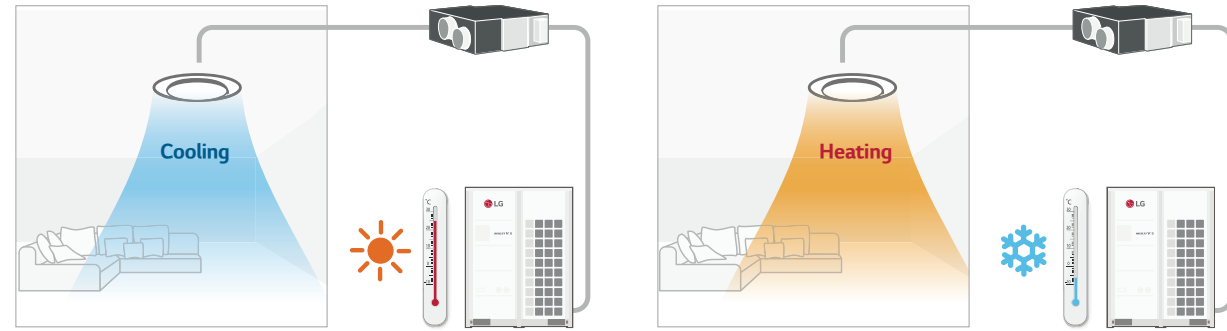


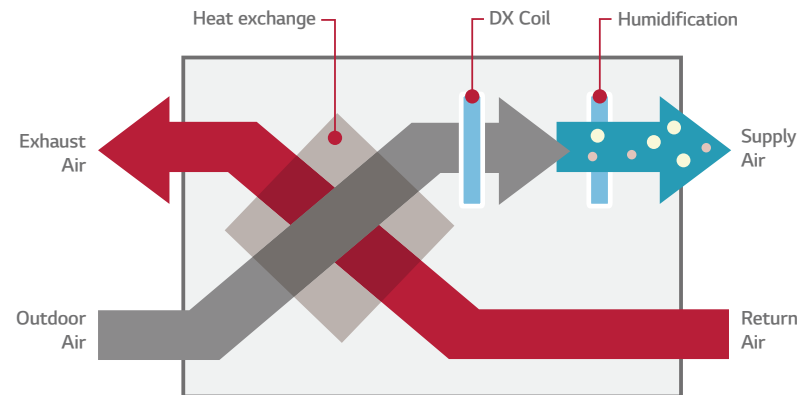
Providing Cool & Warm Fresh Air

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.



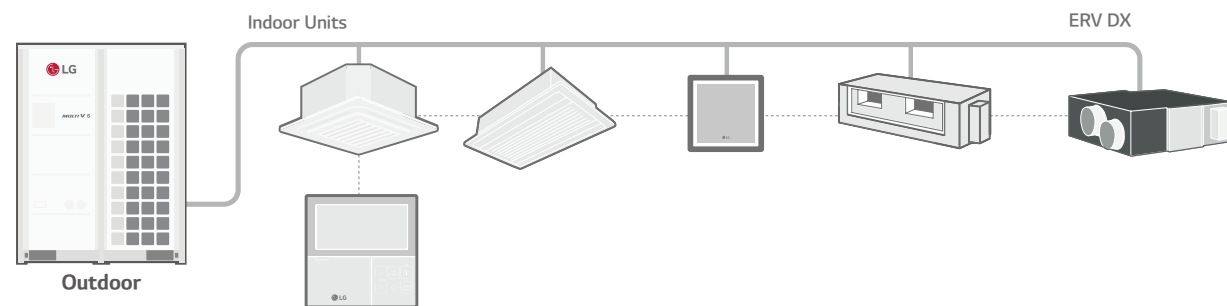
Total Air Conditioning Solution

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. During winter, warm air is provided by heating and humidifying 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.



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
	Heating (SH / H / L)	%	76 / 76 / 77	67 / 67 / 69	64 / 64 / 66	76 / 76 / 77	67 / 67 / 69
Operation Range	Outdoor air Temperature	°C	-15 - 45	-15 - 45	-15 - 45	-15 - 45	-15 - 45
Air Flow Rate	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
Fan	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				-
Humidifier	Amount	kg/h	2.70	4.00	5.40	-	
	Pressure Feed Water	Mpa	0.02 - 0.49				-
Sound Pressure	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
Refrigerant		R410A					
Power Supply		Ø, V, Hz					
Power Input (Nominal)	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
Nominal Running Current (RLA)	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 System		Air to air cross flow total heat (Sensible + Latent heat) exchange			Air to air cross flow total heat (Sensible + Latent heat) exchange		
Heat Exchange Element		Specially processed non-flammable paper			Specially processed non-flammable paper		
Air Filter		Multidirectional fibrous fleeces			Multidirectional fibrous fleeces		
Dimensions	W x H x D	mm	1,667 x 365 x 1,140			1,667 x 365 x 1,140	
Net Weight		kg	105			98	
	Liquid	mm	Ø6.35			Ø6.35	
Piping Connection	Gas	mm	Ø12.7			Ø12.7	
	Water	mm	Ø6.35			-	
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)			Ø25 (1)	
Connection Duct Diameter		mm	Ø250			Ø250	

Note :

- Cooling Capacity Test condition - Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB
- Heating Capacity Test condition - Indoor temperature : 20°C DB / Outdoor temperature : 7°C DB, 6°C WB
- Humidifying capacity is based on the following conditions - Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB
- Cooling and heating capacities are based on the following conditions : Fan is based on High and Super-high.
- 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.
- 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	-	-	-	PRLDNVSO	-	-
EEV Kit	-	-	-	-	-	-
Independent Power Module	-	-	-	-	-	-
Robot Cleaner	-	-	-	-	-	-
Pre Filter (Washable)	-	-	-	-	-	-
Ion Generator	-	-	-	-	-	-
CO ₂ Sensor	-	-	-	AHCS100HO	-	-
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