

MULTI V™

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LG



LG Electronics Magyar Kft.

Distributed by



ERV

LZ-H025GBA4 / LZ-H035GBA5 / LZ-H050GBA5

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



Model		LZ-H025GBA4	LZ-H035GBA5	LZ-H050GBA5
Nominal Capacity	CMH (CFM)	250 (147)	350 (206)	500 (294)
Power Supply	Ø, V, Hz	1, 220 - 240, 50 - 60		
ERV mode	Step	SUPER-HIGH / HIGH / LOW		
	Current	SH / H / L	Amps	0.70 / 0.60 / 0.42
	Power Input	SH / H / L	W	97 / 78 / 52
	Air Flow	SH / H / L	CMH (CFM)	250 / 250 / 150 (147 / 147 / 88)
	External Static Pressure	SH / H / L	Pa (inWTR)	100 / 70 / 50 (0.40 / 0.28 / 0.20)
	Temperature Exchange Efficiency	SH / H / L	%	80 / 80 / 83
	Energy Label	A+ to G Scale	A	B
	Enthalpy Exchange Efficiency	Heating (SH / H / L)	%	70 / 70 / 72
		Cooling (SH / H / L)	%	66 / 66 / 68
	Noise Level (Sound Level, 1.5m)	SH / H / L	dB(A)	29 / 28 / 24
Bypass mode	Step	SUPER-HIGH / HIGH / LOW		
	Current	SH / H / L	Amps	0.70 / 0.60 / 0.42
	Power Input	SH / H / L	W	97 / 78 / 52
	Air Flow	SH / H / L	CMH (CFM)	250 / 250 / 150 (147 / 147 / 88)
	External Static Pressure	SH / H / L	Pa (inWTR)	100 / 70 / 50 (0.40 / 0.28 / 0.20)
	Noise Level (Sound Level, 1.5m)	SH / H / L	dB(A)	29 / 29 / 25
Heat Exchanger	Type	Air to Air cross flow heat exchange		
Net Weight	kg	44		
Dimension	W x H x D	1,014 x 273 x 988		
Duct work*	Qty	4		
	Size (Ø)	Ø200		
Supply Air Fan	Qty	1		
	Type	Direct-Drive (Sirocco Fan)		
Exhaust Air Fan	Qty	1		
	Type	Direct-Drive (Sirocco Fan)		
Filters (Default)	Qty	2		
	Type	Cleanable fibrous fleeces		
Filters (Optional)	Size (W x H x D)	855 x 10 x 160		
	Model	AHFT035H0		
	Qty	2		
	Type	F7		
Dry Contact	Simple (1 Contact point with case)	PDRYCB000		

- 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.
 7. F7 Filter is 2 pieces in 1 filter package

Premium	Standard III	Standard II	CO ₂ Sensor
PREMTA000 PREMTA000A PREMTA000B	PREMTB100	PREMTBB10	AHCS100H0 (Internal Type : Default)

Model		LZ-H080GBA5	LZ-H100GBA5	LZ-H150GBA5	LZ-H200GBA5
Nominal Capacity	CMH (CFM)	800 (471)	1,000 (589)	1,500 (883)	2,000 (1,177)
Power Supply	Ø, V, Hz	1, 220 - 240, 50 - 60			
ERV mode	Step	SUPER-HIGH / HIGH / LOW			
	Current	SH / H / L	Amps	2.13 / 1.75 / 1.00	2.92 / 2.38 / 1.40
	Power Input	SH / H / L	W	328 / 266 / 144	463 / 370 / 208
	Air Flow	SH / H / L	CMH (CFM)	800 / 800 / 660 (471 / 471 / 388)	1,000 / 1,000 / 800 (589 / 589 / 471)
	External Static Pressure	SH / H / L	Pa (inWTR)	160 / 100 / 50 (0.64 / 0.40 / 0.20)	160 / 100 / 50 (0.64 / 0.40 / 0.20)
	Temperature Exchange Efficiency	SH / H / L	%	82 / 82 / 83	80 / 80 / 81
	Energy Label	A+ to G Scale	A	A	
	Enthalpy Exchange Efficiency	Heating (SH / H / L)	%	73 / 73 / 76	71 / 71 / 73
		Cooling (SH / H / L)	%	66 / 66 / 70	64 / 64 / 67
	Noise Level (Sound Level, 1.5m)	SH / H / L	dB(A)	40 / 36 / 32	43 / 39 / 35
Bypass mode	Step	SUPER-HIGH / HIGH / LOW			
	Current	SH / H / L	Amps	2.13 / 1.75 / 1.00	2.92 / 2.38 / 1.40
	Power Input	SH / H / L	W	328 / 266 / 144	463 / 370 / 208
	Air Flow	SH / H / L	CMH (CFM)	800 / 800 / 660 (471 / 471 / 388)	1,000 / 1,000 / 800 (589 / 589 / 471)
	External Static Pressure	SH / H / L	Pa (inWTR)	160 / 100 / 50 (0.64 / 0.40 / 0.20)	160 / 100 / 50 (0.64 / 0.40 / 0.20)
	Noise Level (Sound Level, 1.5m)	SH / H / L	dB(A)	41 / 37 / 33	44 / 40 / 36
Heat Exchanger	Type	Air to Air cross flow heat exchange			
Net Weight	kg	70			
Dimension	W x H x D	1,101 x 405 x 1,230			
Duct work*	Qty	4			
	Size (Ø)	Ø250			
Supply Air Fan	Qty	1			
	Type	Direct-Drive Sirocco			
Exhaust Air Fan	Qty	1			
	Type	Direct-Drive Sirocco			
Filters (Default)	Qty	2			
	Type	Cleanable fibrous fleeces			
Filters (Optional)	Size (W x H x D)	1,148 x 6 x 245			
	Model	AHFT100H1			
	Qty	2			
	Type	F7			
Dry Contact	Simple (1 Contact point with case)	PDRYCB000			

- 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.
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 6. Temperature Exchange efficiency is tested at heating condition.
 7. F7 Filter is 2 pieces in 1 filter package

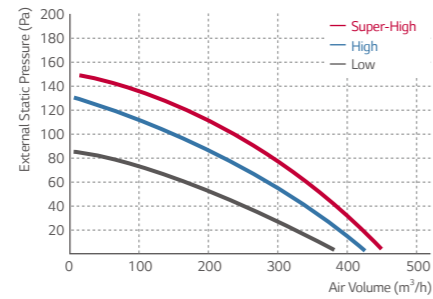
Premium	Standard III	Standard II	CO ₂ Sensor
PREMTA000 PREMTA000A PREMTA000B	PREMTB100	PREMTBB10	AHCS100H0 (Internal Type : Default)

ERV

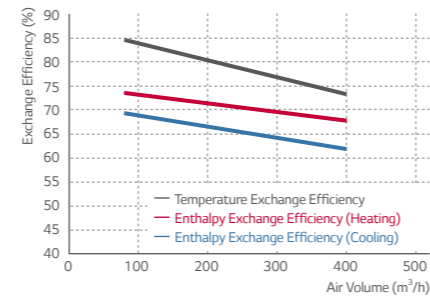
LZ-H025GBA4



Ventilation



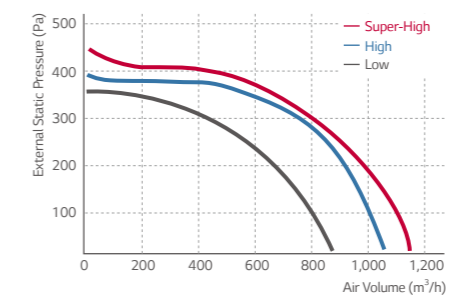
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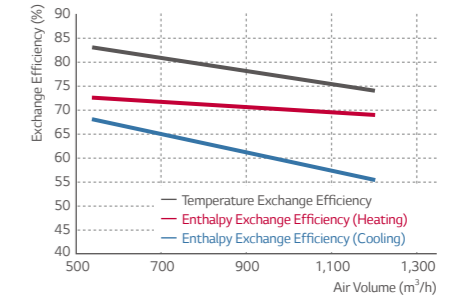
LZ-H100GBA5



Ventilation



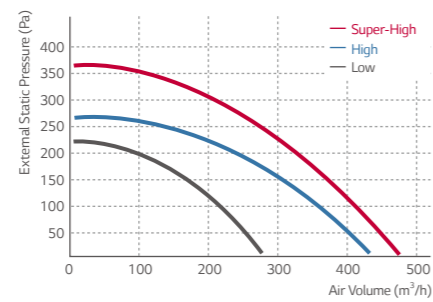
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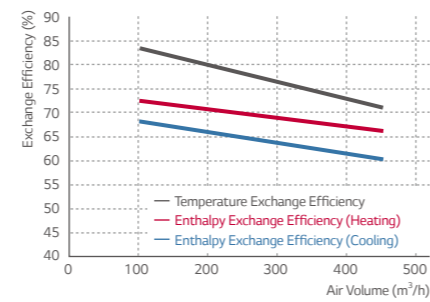
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Ventilation



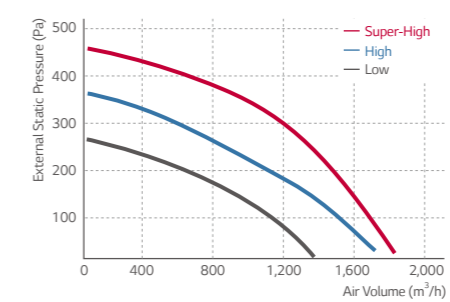
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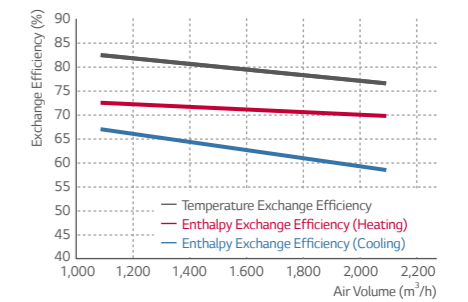
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Ventilation



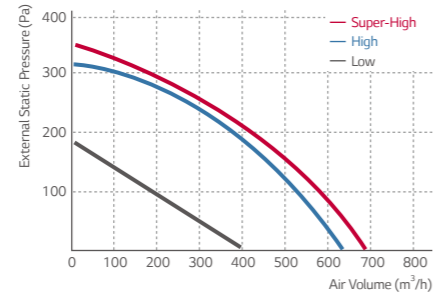
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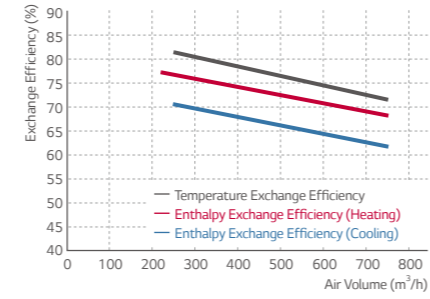
LZ-H050GBA5



Ventilation



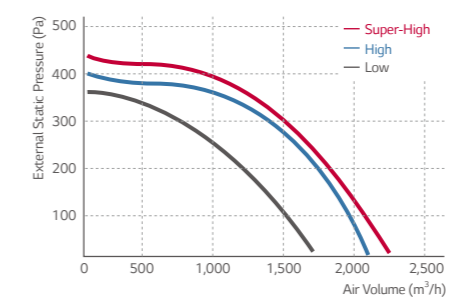
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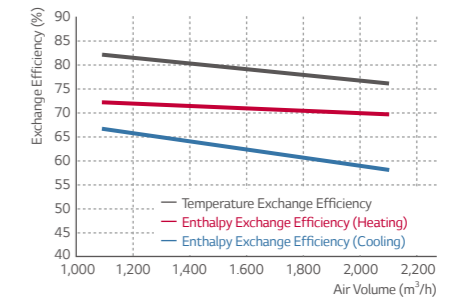
LZ-H200GBA5



Ventilation



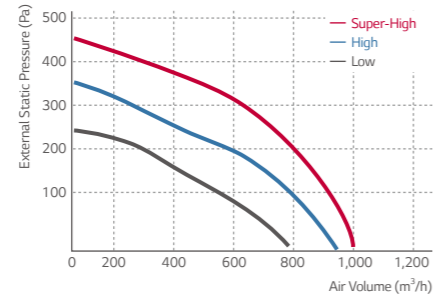
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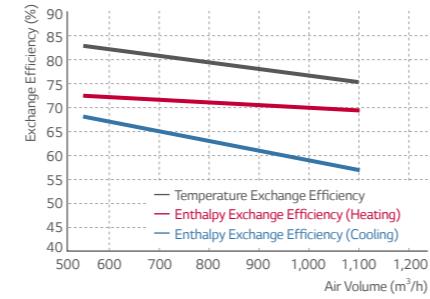
LZ-H080GBA5



Ventilation



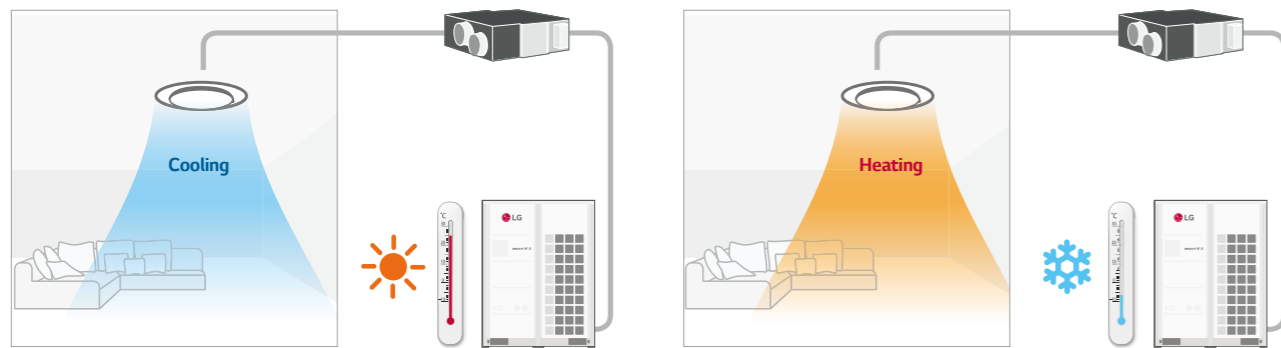
Efficiency



ERV WITH DX COIL

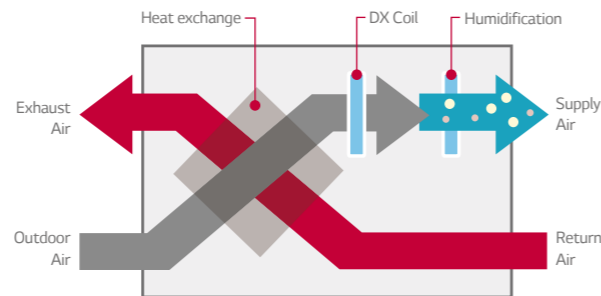
Providing Cool & Warm Fresh Air

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



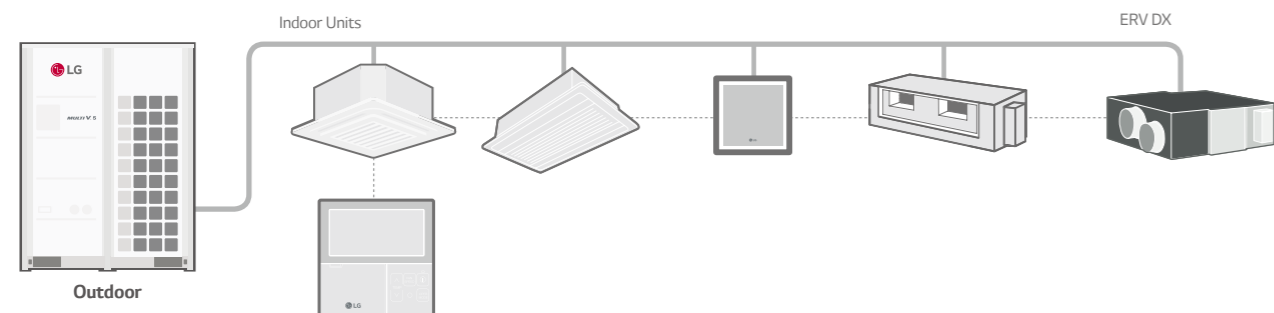
Total Air Conditioning Solution

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 controls the air indoors by cooling and dehumidifying incoming air. In winter, it can provide 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 Conditioning Load	Cooling ¹⁾	4.93	7.46	9.12	4.93	7.46	9.12	
	Heating ²⁾	6.73	9.80	11.72	6.73	9.80	11.72	
Temperature Exchange Efficiency	SH / H / L	86 / 86 / 87	80 / 80 / 81	76 / 76 / 78	86 / 86 / 87	80 / 80 / 81	76 / 76 / 78	
	Enthalpy Exchange Efficiency	61 / 61 / 63	50 / 50 / 53	45 / 45 / 50	61 / 61 / 63	50 / 50 / 53	45 / 45 / 50	
	Heat Exchange Mode (SH / H / L)	CMH	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820	500 / 500 / 440	800 / 800 / 640	1,000 / 1,000 / 820
Air Flow Rate	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
Humidifier	System	Natural Evaporating Type						
	Amount ³⁾	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	41 / 39 / 36
	Bypass Mode (SH / H / L)	dB (A)	39 / 37 / 34	40 / 38 / 35	40 / 38 / 35	39 / 37 / 35	41 / 38 / 36	41 / 39 / 36
Refrigerant		R410A						
Power Supply	Ø / V / Hz	1 / 220-240 / 50, 60						
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	0.48 / 0.42 / 0.27
	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	0.48 / 0.42 / 0.27
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	3.6 / 3.2 / 2.3
	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	3.6 / 3.2 / 2.3
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 (Outer Diameter)	mm	Ø25.4			Ø25.4		
Connection Duct Diameter	mm		Ø250			Ø250		
Remote Controller		Refer to the below Wired Remote Controller table						
Dry Contact	Simple (1 Contact Point with Case)		PDRYCB000					
	2 Contact Point		PDRYCB400					
	For Thermostat (On-Off / Mode / Fan Speed)		PDRYCB300					
	Modbus Communication		PDRYCB500					
Filters (Optional)	Mode	-	AHFT100H0					
	Qty	EA	2					
	Type	-	F7					
	Size (W x H x D)	mm	520 x 192 x 25					

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 figures in the parenthesis indicate the heat reclaimed from the heat recovery ventilator.
 - * 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 built in accordance with the KS B 6879 conditions.
 - * The actual operating sound varies depending on the surrounding conditions (near running unit's sound, reflected sound and so on) and is normally higher than this value.
 - * Air flow rate can be changed over to low mode or high mode.
 - * The specifications, designs and information here are subject to change without notice.
 - * This product contains Fluorinated Greenhouse Gases. (R410A)
- F7 Filter is 2 pieces in 1 filter package

Premium	Standard III		Standard II		CO ₂ Sensor	
PREMTA000 PREMTA000A PREMTA000B	PREMTB100	PREMTBB10	PREMTBB01	PREMTB001	PES-CORV0 (External Type)	AHCS100H0 (Internal Type : Default)