

ERV

Energy Recovery Ventilator

VENTILATION
SOLUTION



Model		LZ-H025GBA4	LZ-H035GBA4	LZ-H050GBA4		
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	1.10 / 0.95 / 0.60	1.92 / 1.58 / 0.79
	Power Input	SH / H / L	W	97 / 78 / 52	180 / 163 / 88	240 / 220 / 90
	Air Flow	SH / H / L	CMH (CFM)	250 / 250 / 150 (147 / 147 / 88)	350 / 350 / 210 (206 / 206 / 123)	500 / 500 / 320 (294 / 294 / 124)
	External Static Pressure	SH / H / L	Pa (inWTR)	100 / 70 / 50 (0.40 / 0.28 / 0.20)	150 / 130 / 100 (0.60 / 0.52 / 0.40)	150 / 100 / 50 (0.60 / 0.40 / 0.20)
	Temperature Exchange Efficiency	SH / H / L	%	80 / 80 / 83	75 / 75 / 77	78 / 78 / 79
	Enthalpy Exchange Efficiency	Heating (SH / H / L)	%	70 / 70 / 72	68 / 68 / 70	73 / 73 / 75
		Cooling (SH / H / L)	%	66 / 66 / 68	63 / 63 / 65	66 / 66 / 69
	Noise Level (Sound Level, 1.5m)	SH / H / L	dB (A)	29 / 28 / 24	32 / 30 / 27	34 / 32 / 25
Bypass Mode	Step	SUPER-HIGH / HIGH / LOW				
	Current	SH / H / L	Amps	0.70 / 0.60 / 0.42	1.10 / 0.95 / 0.60	1.92 / 1.58 / 0.79
	Power Input	SH / H / L	W	97 / 78 / 52	180 / 163 / 88	240 / 220 / 90
	Air Flow	SH / H / L	CMH (CFM)	250 / 250 / 150 (147 / 147 / 88)	350 / 350 / 210 (206 / 206 / 123)	500 / 500 / 320 (294 / 294 / 124)
	External Static Pressure	SH / H / L	Pa (inWTR)	100 / 70 / 50 (0.40 / 0.28 / 0.20)	150 / 130 / 100 (0.60 / 0.52 / 0.40)	150 / 100 / 50 (0.60 / 0.40 / 0.20)
	Noise Level (Sound Level, 1.5m)	SH / H / L	dB (A)	29 / 29 / 25	32 / 30 / 27	35 / 33 / 25
Heat Exchanger	Type	Air to air cross flow heat exchange				
Net Weight	kg	44	44	44		
Dimension	W x H x D	988 x 273 x 1,014				
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		2		
	Type	Cleanable fibrous fleeces				
	Size (W x H x D)	855 x 10 x 160		855 x 6 x 230		
Filters (Optional)	Mode	AHFT035H0		AHFT050H0		
	Qty	2		2		
	Type	F7		F7		
	Size (W x H x D)	423.5 x 132 x 25		425 x 194 x 25		
Dry Contact		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 II			CO ₂ Sensor	
 PREMTA000 PREMTA000A PREMTA000B	 PREMTB100 PREMTBB10	 PREMTBB01	 PREMTB001	 PES-CORV0 (External Type)	 AHCS100H0 (Internal Type)

ERV

Energy Recovery Ventilator

VENTILATION SOLUTION



Model				LZ-H080GBA4	LZ-H100GBA4	LZ-H150GBA4	LZ-H200GBA4
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			
Step			-	SUPER-HIGH / HIGH / LOW			
ERV Mode	Current	SH / H / L	Amps	2.77 / 2.16 / 1.44	3.41 / 2.90 / 1.76	5.60 / 5.40 / 2.90	6.80 / 5.90 / 3.60
	Power Input	SH / H / L	W	390 / 280 / 187	480 / 385 / 210	780 / 540 / 377	960 / 770 / 420
	Air Flow	SH / H / L	CMH (CFM)	800 / 800 / 660 (471 / 471 / 388)	1,000 / 1,000 / 800 (589 / 589 / 471)	1,500 / 1,500 / 1,200 (883 / 883 / 706)	2,000 / 2,000 / 1,600 (1,177 / 1,177 / 942)
	External Static Pressure	SH / H / L	Pa (inWTR)	200 / 110 / 60 (0.80 / 0.44 / 0.24)	160 / 90 / 50 (0.64 / 0.36 / 0.20)	200 / 110 / 60 (0.80 / 0.44 / 0.24)	160 / 90 / 50 (0.64 / 0.36 / 0.20)
	Temperature Exchange Efficiency	SH / H / L	%	79 / 79 / 82	77 / 77 / 78	79 / 79 / 82	77 / 77 / 78
	Enthalpy Exchange Efficiency	Heating (SH / H / L)	%	72 / 72 / 74	70 / 70 / 72	72 / 72 / 74	70 / 70 / 72
		Cooling (SH / H / L)	%	63 / 63 / 66	59 / 59 / 63	63 / 63 / 66	59 / 59 / 63
Noise Level (Sound Level, 1.5m)	SH / H / L	dB (A)	40 / 37 / 31	41 / 38 / 32	43 / 40 / 34	44 / 41 / 35	
Step			-	SUPER-HIGH / HIGH / LOW			
Bypass Mode	Current	SH / H / L	Amps	2.77 / 2.16 / 1.44	3.41 / 2.90 / 1.76	5.60 / 5.40 / 2.90	6.80 / 5.90 / 3.60
	Power Input	SH / H / L	W	390 / 280 / 187	480 / 385 / 210	780 / 540 / 377	960 / 770 / 420
	Air Flow	SH / H / L	CMH (CFM)	800 / 800 / 660 (471 / 471 / 388)	1,000 / 1,000 / 800 (589 / 589 / 471)	1,500 / 1,500 / 1,200 (883 / 883 / 706)	2,000 / 2,000 / 1,600 (1,177 / 1,177 / 942)
	External Static Pressure	SH / H / L	Pa (inWTR)	200 / 110 / 60 (0.80 / 0.44 / 0.24)	160 / 90 / 50 (0.64 / 0.36 / 0.20)	200 / 110 / 60 (0.80 / 0.44 / 0.24)	160 / 90 / 50 (0.64 / 0.36 / 0.20)
	Noise Level (Sound Level, 1.5m)	SH / H / L	dB (A)	41 / 38 / 32	41 / 39 / 33	44 / 41 / 35	44 / 42 / 36
Heat Exchanger	Type	-	Air to air cross flow heat exchange				
Net Weight		kg	62		140		
Dimension	W x H x D	mm	1,062 x 365 x 1,140			1,313 x 738 x 1,140	
Duct work*	Qty	EA	4				4 + 2
	Size (Ø)	mm	Ø250			Ø250 + Ø350	
Supply Air Fan	Qty	EA	1				2
	Type	-	Direct-Drive (Sirocco Fan)				
Exhaust Air Fan	Qty	EA	1				2
	Type	-	Direct-Drive (Sirocco Fan)				
Filters (Default)	Qty	EA	2				4
	Type	-	Cleanable fibrous fleeces				
	Size (W x H x D)	mm	1,056 x 6 x 212.5				
Filters (Optional)	Mode	-	AHFT100H0				
	Qty	EA	2				4
	Type	-	F7				
Dry Contact	Size (W x H x D)	mm	520 x 192 x 25				
			PDRYCB000				

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