

# 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	A
	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		
Dry Contact	Qty	2		
	Type	F7		

- 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 <sub>2</sub> 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	B	
	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			
Dry Contact	Qty	2			
	Type	F7			

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

VENTILATION SOLUTION