

ERV DX

VENTILATION SOLUTION

Energy Recovery Ventilator with DX Coil



Model			LZ-H050GXH4	LZ-H080GXH4	LZ-H100GXH4	LZ-H050GXN4	LZ-H080GXN4	LZ-H100GXN4	
Fresh Air Conditioning Load	Cooling 1)	kW	4.93	7.46	9.12	4.93	7.46	9.12	
	Heating 2)	kW	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	Cooling (SH / H / L)	%	61 / 61 / 63	50 / 50 / 53	45 / 45 / 50	61 / 61 / 63	50 / 50 / 53	45 / 45 / 50	
	Heating (SH / H / L)	%	76 / 76 / 77	67 / 67 / 69	64 / 64 / 66	76 / 76 / 77	67 / 67 / 69	64 / 64 / 66	
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	1,000 / 1,000 / 820	
	Bypass 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	
Fan	External Static Pressure (SH / H / L)	Pa	160 / 120 / 100	140 / 90 / 70	110 / 70 / 60	180 / 150 / 110	170 / 120 / 80	150 / 100 / 70	
Humidifier	System		Natural Evaporating Type			-			
	Amount 3)	kg/h	2.70	4.00	5.40	-			
	Pressure Feed Water	Mpa	-			-			
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			
		mm	Ø6.35			Ø6.35			
Piping Connection	Liquid	mm	Ø12.7			Ø12.7			
	Gas	mm	Ø6.35			-			
	Water	mm	Ø25.4			Ø25.4			
	Drain (Outer Diameter)	mm	Ø250			Ø250			
Connection Duct Diameter	mm	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: 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

* 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)

4) F7 Filter is 2 pieces in 1 filter package

Premium	Standard II	CO ₂ Sensor
 <p>PREMTA000 PREMTA000A PREMTA000B</p>	 <p>PREMTB100 PREMTBB10</p>	 <p>PES-CORVO (External Type)</p>
	 <p>PREMTBB01</p>	 <p>AHCS100H0 (Internal Type)</p>
	 <p>PREMTB001</p>	