

LYD Energy Saving Technology Co., Ltd

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Inverter CO2(R744) Water Source Heat Pump

Parameters		Model	LYDS	8ZW	14ZW	40ZW	75ZW	120ZW	160ZW
Hot Water Side	Heating Capacity	kW		8.00	14.00	39.3	76.3	118	156
	Hot water capacity	L/H		172	301	750	1450	2256	2980
	Heating power input	kW		1.56	2.85	8.1	16.5	25	37.1
	COP	W/W		5.1	4.9	4.8	4.6	4.7	4.2
Cool Water Side	Cooling Capacity	kW		6.44	11.15	31	59.8	86.2	118.9
	Cool water capacity	L/H		1107	1917	6000	10000	14500	20400
	COP	W/W		4.12	3.91	3.82	3.63	3.45	3.2
Power supply	V/Ph/Hz		208~240V~50Hz/60Hz			380~440V/3PH/50~60Hz			
Heating type			Direct						
Output water temperature		°C	45~90						
Input water temperature		°C	5~50						
Water source temperature		°C	5~30						
Compressor	Type		Panasonic			Dorin(Italy)			
Circulation water pump	Brand		Nidec			Wilo			
	Power	kW		0.05		0.37	0.55	1.1	1.5
Hot water connection size		mm		DN15		DN20	DN25	DN32	DN40

Cool water connection size		mm	DN15		DN32	DN40	DN50	DN80
water heat exchanger	Type		SU316		Tube-tube exchanger			SU316
Refrigerant	Type		R744/CO2					
Controller	Brand		Carel					
Dimensions	Length	mm	600		1500	1740	2470	900
	Width	mm	600		900	995	1340	900
	Height	mm	720		1290	1540	1500	1910
Unit noise level		dB(A)	44	48	49	50	54	65
Net weight		kg	120	160	450	890	1050	900
Inverter			DC		AC			

Note:

Standard temperature condition:

Water temperature: inlet 15°C, outlet 55°C

Water source temperature: inlet 12°C, outlet 7°C