



R-407C

WG-WLC SERIES

LOW TEMPERATURE GEOTHERMAL WATER SOURCE HEAT PUMP WATER-TO-WATER UNIT



Standard Features:

Cooling capacity from 5.6kW to 53.0kW in 10 sizes

EER from 4.9 to 5.5

COP from 3.6 to 3.8

HP3C Digital controller with:

- Compressor Protection***
- Random Start***

2-stage return water thermostat

Source circuit anti-freeze protection

Galvanized G-60 construction

Options:

Pump module with expansion tank

Domestic hot water module



WATER to WATER LOW TEMPERATURE TYPE WSHP

PRELIMINARY SPECIFICATIONS

WG-WLC SERIES

Model		WG-L024-WLC	WG-L030-WLC	WG-J036-WLC	WG-J043-WLC	WG-J052-WLC	WG-J072-WLC	WG-J086-WLC	WG-J120-WLC	WG-J142-WLC	WG-J210-WLC	
Cooling Capacity	kW	5.6	8.2	9.8	11.8	13.2	18.0	23.3	35.2	41.0	53.0	
Heating Capacity		6.2	9.7	11.3	13.5	15.1	20	27.5	33.5	48.9	60.7	
Power Input	Cooling	W	1120	1640	1922	2230	2590	3270	4400	6900	8370	10390
	Heating		1630	2620	3050	3550	4190	5260	7240	8820	13580	16860
EER	W/W	5.0	5.0	5.1	5.3	5.1	5.5	5.3	5.1	4.9	5.1	
COP		3.8	3.7	3.7	3.8	3.6	3.8	3.8	3.8	3.6	3.6	
Current	Cooling	A	6.6	10.5	4.2	4.9	5.3	7.5	10.2	16.3	18.1	20.4
	Heating		8.7	13.8	5.7	6.4	7.8	9.9	12.2	19.7	24	27.6
Power Supply	V / Ph / Hz	220 - 240V/1/50Hz					380V / 3 / 50Hz					
Noise Level	dB(A)	42	43	44	45	45	46	46	47	48	49	
Source Water Flow	m ³ /h	0.6	0.85	1	1.2	1.35	1.81	2.37	3.65	4.2	5.99	
Load Water Flow	m ³ /h	0.99	1.41	1.69	2.03	2.27	3.10	4.00	6.19	7.04	9.32	
Source Pressure Drop	kPa	10.27	10.20	8.60	7.50	8.60	7.60	7.40	7.50	8.80	8.90	
Load Pressure Drop	kPa	18.2	21.40	20.70	16.50	13.10	11.20	10.50	16.80	13.10	13.30	
Compressor Type/No.		Rotary/1				Scroll/1						
Refrigerant		R22/R407C										
Charge	kg	0.312	0.397	0.567	0.624	0.737	0.85	1.134	1.616	1.871	2.438	
Dimensions	L x W x H	mm	680 x 560 x 480	803 x 608 x 530	803 x 608 x 530	803 x 608 x 530	803 x 608 x 280	803 x 708 x 530	1168 x 1092 x 699	1168 x 1092 x 699	1172 x 1096 x 1336	1172 x 1096 x 1336
Net Weight	kg	65	96	105	121	137	142	305	310	420	500	
Size of pipe connected	in	Rc 3/4			Rc 1		Rc 1-1/4		Rc 1-1/2	Rc 2		
Size of drain pipe	in	0.875										

09V.1.0

Note:

All capacities are based on: cooling: Inlet source water temp. 18°C, Outlet source water temp. 29°C, Inlet load water temp. 12°C, Outlet load water temp. 7°C
 heating: Inlet water temp. 15°C. Outlet water temp. 40°C



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