



R-407C

WW-WHC SERIES
WATER SOURCE HEAT PUMP
WATER-TO-WATER UNIT



Standard Features:

Cooling capacity from 7.9kW to 50.4kW in 9 sizes

EER from 3.9 to 4.4

COP from 4.1 to 4.3

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 HIGH TEMPERATURE TYPE WSHP

PRELIMINARY SPECIFICATIONS

WW-WHC SERIES

Model		WW-L030-WHC	WW-J036-WHC	WW-J043-WHC	WW-J052-WHC	WW-J072-WHC	WW-J086-WHC	WW-J120-WHC	WW-J142-WHC	WW-J210-WHC	
Cooling Capacity	kW	7.9	9.4	11.3	12.6	17.2	22.3	33.9	39	50.4	
Heating Capacity		10.6	12.3	14.8	16.5	21.8	30	45	53.2	66	
Power Input	Cooling	W	1970	2290	2690	3070	3910	5310	8270	10000	12290
	Heating		2520	2930	3440	4020	5070	6980	10460	12980	16100
EER	W/W	4.0	4.1	4.2	4.1	4.4	4.2	4.1	3.9	4.1	
COP		4.2	4.2	4.3	4.1	4.3	4.3	4.3	4.1	4.1	
Current	Cooling	A	11	4.4	5.2	6	7.6	10.3	17.2	21.6	
	Heating		14	5.7	6.7	7.8	9.8	12.1	19.6	23	25.2
Power Supply	V / Ph / Hz	220 - 240V/1/ 50Hz				380V / 3 / 50Hz					
Noise Level	dB(A)	43	44	45	45	46	46	47	48	49	
Source Water Flow	m ³ /h	1.70	2.00	2.40	2.70	3.62	4.75	7.30	8.40	10.98	
Load Water Flow	m ³ /h	1.36	1.62	1.94	2.17	2.96	3.83	5.96	6.70	8.86	
Source Pressure Drop	kPa	28.70	23.30	20.50	25.30	22.20	21.00	20.50	25.70	25.80	
Load Pressure Drop	kPa	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	0.397	0.567	0.624	0.737	0.85	1.134	1.616	1.871	2.438	
Dimensions	L x W x H	mm	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	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. 30°C, Outlet source water temp. 35°C, Inlet load water temp. 12°C, Outlet load water temp. 7°C
 heating: Inlet water temp. 20°C. Outlet water temp. 40°C



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