

CWR-XB Ground Source Heat Pump-heating/hot water

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Model			CWR-08	CWR-12	CWR-14	CWR-20	CWR-24	CWR-28	CWR-40	CWR-48	CWR-80	CWR-90	CWR-	
Heating condition	Heating capacity	kw	7	10.5	14	17.4	21.6	28	34.7	43.1	77.8	88.7	133.2	
		BTU	23884	37543	47782	81433.5	75085.4	95538	119454	150171	265453	302644	454479	
	Hot water supply	T/h	0.18	0.23	0.3	0.37	0.46	0.6	0.75	0.93	1.67	1.91	2.86	
	Input power	kw	1.55	2.25	3	3.7	4.58	6	7.43	9.24	15.07	17.05	25.57	
	Input current	A	7.2	11.25/6	14/7.5	7.4	21/9.16	22/10.2	14.86	18.48	26.7	31.1	44.9	
	COP		4.6	4.67	4.67	4.7	4.72	4.67	4.68	4.66	5.2	5.2	5.21	
	Max running current	A	12	17/9	17/9.5	12	33/16	34/20	24	32	33.6	44.6	66.9	
Rated/Max outlet water temp	℃	55℃/60℃												
Power source	V/Ph/Hz	220V/1N/50HZ	220V-240V/1N/50HZ / 380V-415V/3N/50HZ		380V-415V3N//50HZ	220V-240V/1N/50HZ or 380V-415V/3N/50HZ			380V-415V3N//50HZ					
Noise level	dB(A)	<43	<45	<47	<50	<55	<55	<55	<58	<63	<66	<70		
Unit size W x D x H	mm	620*725*595	620*725*595	680*800*720	680*800*720	680*800*720	800*1080*1050	800*1080*1050	800*1080*1050	2100*500*1350	2100*500*1350	2330*750*1300		
Pack size W x D x H	mm	720*825*770	720*825*770	780*900*840	780*900*840	780*900*890	900*1180*1220	900*1180*1220	900*1180*1220	2200*600*1520	2200*600*1520	2430*850*1420		
Unit net weight	kg	94	120	145	145	155	210	220	240	410	550	830		
Package		Qualified plywood case, no need of fumigation												
Water temp control precise	℃	±1℃												
Throttle type		Electronic expansion valves/thermostatic expansion valves												
Refrigerant type		R417A												
Refrigerant qty	kg	1.25	1.7	2	2	2.5	2*2	2*2	2.5*2	4.8*2	6.5*2	6.5*3		
Compressor type		Rotary	Hermetically sealed scroll compressor Copeland											
Compressor qty	pc	1	1	1	1	1 or 2	1 or 2	2	2	2	2	3		
Safety protections		Overload protection, phase order protection, under voltage/over voltage protection, start-delay protection												
Water source side	Type	Efficient spiral tube in tube heat exchanger									Shell tube heat exchanger			
	Water flow	m3/h	1.05	1.42	2.1	2.36	2.93	4.2	4.69	5.82	10.79	12.33	18.5	
	Water pressure loss	kPa	10	10	12	12	12	13	14	18	30			
Pipe size	DN	20	20	25	25	25	32	32	40	50	50	80		
Hot water side	Type	Efficient spiral tube in tube heat exchanger									Shell tube heat exchanger			
	Water flow	m3/h	1.2	1.81	2.5	2.99	3.17	5	5.97	7.41	13.88	15.26	22.9	
	Water pressure loss	kPa	10	10	10	12	12	12	14	18	30			
	Pipe size	DN	20	20	25	25	25	32	32	40	50	50	80	
Max working pressure	kPa	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		

Test conditions: water source side water inlet temp is 15℃, initial temp of hot water is 15℃, terminal temp is 55℃.

Product options:

- 1. Stainless steel casing
- 2. Soft starter apparatus

If need to add above functions, pls contact us, it need to add cost.



CWR-08/12/14/20/24/28



CWR-40/48



CWR 50/55/100/200

CWR-230	CWR-	CWR-340
231	280.9	346
788172	958431	1180552
4.97	6.04	7.44
45.09	56.06	67.64
77	974	117.5
5.12	5.01	5.12
120.6	170.6	180.9

<74	<79	<82
2500*850*1500	2700*850*1380	2700*850*1550
2600*950*1620	2800*950*1650	2800*950*1650
1160	1380	1650

8.5*2	7.5*3	8.5*3
2	3	3

n,etc

at exchanger

31.96	38.66	47.87
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-70

80	100	125
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at exchanger

39.72	48.3	59.5
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-70

80	100	125
1000	1000	1000



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