



Model			FWHHD120C	FWHHD150C	FWHHD250C
Power supply		V/P/Hz	380/3/50	380/3/50	380/3/50
Water inlet 10°C Water outlet 65°C	Heating capacity	kW	46.0	57.0	95.0
	Power input	kW	16.14	20.00	33.33
	COP	W/W	2.85	2.85	2.85
	Current input	A	29.9	37.1	61.8
Water inlet 10°C Water outlet 75°C	Heating capacity	kW	47.4	58.7	98.0
	Power input	kW	17.24	21.35	35.64
	COP	W/W	2.75	2.75	2.75
	Current input	A	31.9	39.6	66.0
Water inlet 15°C Water outlet 65°C	Heating capacity	kW	50.0	63.0	100.0
	Power input	kW	16.13	20.32	32.26
	COP	W/W	3.10	3.10	3.10
	Current input	A	29.9	37.7	59.8
Water inlet 15°C Water outlet 75°C	Heating capacity	kW	51.6	64.5	104.0
	Power input	kW	17.79	22.24	35.86
	COP	W/W	2.90	2.90	2.90
	Current input	A	33.0	41.2	66.4
Water inlet 25°C Water outlet 65°C	Heating capacity	kW	54.0	67.5	108.0
	Power input	kW	16.36	20.45	32.73
	COP	W/W	3.30	3.30	3.30
	Current input	A	30.3	37.9	60.6
Water inlet 25°C Water outlet 75°C	Heating capacity	kW	55.2	69.0	112.0
	Power input	kW	18.10	22.62	36.72
	COP	W/W	3.05	3.05	3.05
	Current input	A	33.5	41.9	68.0
Max power input		kW	22.60	28.00	46.67
Max current input		A	41.9	51.9	86.5
Max water temperature outlet		°C	85	85	85
Water flow volume range		m ³ /h	7.91	9.80	16.34
Rated water pressure drop		kPa	55	60	82
Water connections (external threaded)		inch	1-1/4"	1-1/2"	3"
Refrigerant type			R410A+R134A	R410A+R134A	R410A+R134A
Sound level		dB(A)	62	65	72
IP protection level			IPX4	IPX4	IPX4
Electric shock protection			I	I	I

DC Inverter Water To Water Heat Pump (Heating, Cooling, Domestic Hot Water)



Model		MWCRW	030Z/(B)	050Z/S(B)	060Z/S(B)	100Z/S(B)	120Z/S(B)
Power supply		V/PH/Hz	220/1/50	380/3/50	380/3/50	380/3/50	380/3/50
Heating	Heating capacity range	KW	2.6~12.0	4.4~20.0	5.3~24.0	8.8~40.0	10.5~48.0
		BUT/h	9000~40900	14900~68200	17900~81900	29900~136500	25800~163800
	COP range	W/W	2.8~16.0	2.8~16.0	2.8~16.0	2.8~16.0	2.8~16.0
Heating ① Brine side 10°C Water side 35°C	Heating capacity	KW	9.0	15.0	18.0	30.0	36.0
		BTU/h	30700	51200	61400	102400	122800
	COP	W/W	5.5	5.5	5.5	5.5	5.5
	Power input	KW	1.64	2.73	3.27	5.45	6.55
	Current input	A	7.4	5.2	6.2	10.4	12.4
Heating ② Brine side 10°C Water side 45°C	Heating capacity	KW	9.0	15.0	18.0	30.0	36.0
		BTU/h	30700	51200	61400	102400	122800
	COP	W/W	4.2	4.2	4.2	4.2	4.2
	Power input	KW	2.14	3.57	4.29	7.14	8.57
	Current input	A	9.7	6.8	8.1	13.6	16.3
Heating ③ Brine side 15°C Water side 45°C	Heating capacity	KW	10.5	17.5	21.0	35.0	42.0
		BTU/h	35800	59700	71700	119400	143300
	COP	W/W	4.8	4.8	4.8	4.8	4.8
	Power input	KW	2.19	3.65	4.38	7.29	8.75
	Current input	A	9.9	6.9	8.3	13.8	16.6
Cooling Brine side 30°C Water side 7°C	Cooling capacity	KW	7.8	13.0	15.6	26.0	31.2
		BUT/h	26600	44400	53200	88700	106500
	EER	W/W	4.5	4.5	4.5	4.5	4.5
	Power input	KW	1.73	2.89	3.47	5.78	6.93
	Current input	A	7.9	5.5	6.6	11.0	13.2
Max. power input	KW	3.1	5.2	6.2	10.4	12.5	
Max. current input	A	14.2	9.9	11.9	19.8	23.7	
Sound level	dB(A)	46	48	48	50	50	
Water connection	inch	1"	1"	1"	1-1/4"	1-1/4"	
Water flow volume range (5~3°C ΔT)	m³/h	1.7~2.6	2.8~4.3	3.3~5.2	5.5~8.6	6.6~10.3	
Refrigerant type		R410A/R32	R410A/R32	R410A/R32	R410A/R32	R410A/R32	
Unit dimensions (L/W/H)	mm	550/590/625	600/600/850	600/600/850	780/820/730	780/820/730	
Package dimensions (L/W/H)	mm	640/600/660	650/650/880	650/650/880	830/860/760	830/860/760	

Remarks:

Heating ①: water side inlet/outlet water temperature: 30°C/35°C, brine side inle/outlet water temperature: 10°C/7°C.

Heating ②: water side inlet/outlet water temperature: 40°C/45°C, brine side inle/outlet water temperature: 10°C/7°C.

Heating ③: water side inlet/outlet water temperature: 40°C/45°C, brine side inle/outlet water temperature: 15°C/10°C.

Cooling: water side inlet/outlet water temperature: 12°C/7°C, brine side inlet/outlet water temperature: 30°C/35°C;

Water pump power/current input is not included in the maximum power/current input.

Water flow volume range: water flow volume range is determined by the brine side temperatuer and water side temperature. If the water temperature is low, large water flow volume is suggested to avoid large heat exchange temperature difference that cause freezing of the heat exchanger.

The specific model parameters are subject to the nameplate.

DC Inverter Water To Water Heat Pump (Heating, Cooling, Domestic Hot Water)



Model		MWCRW	150Z/S(B)	200Z/S(B)	250Z/S(B)	300Z/S(B)	500Z/S(B)
Power supply		V/PH/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Heating	Heating capacity range	KW	13.1~60.0	17.5~80.0	21.9~100.0	26.3~120.0	43.8~200.0
		BUT/h	44700~204700	59700~273000	74600~341200	89600~409400	149300~682400
	COP range	W/W	2.8~16.0	2.8~16.0	2.8~16.0	2.8~16.0	2.8~16.0
Heating ① Brine side 10°C Water side 35°C	Heating capacity	KW	45.0	60.0	75.0	90.0	150.0
		BTU/h	153500	204700	255900	307100	511800
	COP	W/W	5.5	5.5	5.5	5.5	5.5
	Power input	KW	8.18	10.91	13.64	16.36	27.27
	Current input	A	15.5	20.7	25.9	31.1	51.8
Heating ② Brine side 10°C Water side 45°C	Heating capacity	KW	45.0	60.0	75.0	90.0	150.0
		BTU/h	153500	204700	255900	307100	511800
	COP	W/W	4.2	4.2	4.2	4.2	4.2
	Power input	KW	10.71	14.29	17.86	21.43	35.71
	Current input	A	20.3	27.1	33.9	40.7	67.8
Heating ③ Brine side 15°C Water side 45°C	Heating capacity	KW	52.5	70.0	87.5	105.0	175.0
		BTU/h	179100	238800	298600	358300	597100
	COP	W/W	4.8	4.8	4.8	4.8	4.8
	Power input	KW	10.94	14.58	18.23	21.88	36.46
	Current input	A	20.8	27.7	34.6	41.5	69.2
Cooling Brine side 30°C Water side 7°C	Cooling capacity	KW	39.0	50.0	62.5	75.0	125.0
		BUT/h	133100	170600	213300	255900	426500
	EER	W/W	4.5	4.5	4.5	4.5	4.5
	Power input	KW	8.67	11.11	13.89	16.67	27.78
	Current input	A	16.5	21.1	26.4	31.7	52.8
Max. power input	KW	15.6	20.0	25.0	30.0	50.0	
Max. current input	A	29.6	38.0	47.5	57.0	95.0	
Sound level	dB(A)	52	53	55	55	62	
Water connection	inch	1-1/2"	2"	3"	3"	4"	
Water flow volume range (5~3°C ΔT)	m ³ /h	7.7~12.0	11.0~17.2	13.8~21.5	16.5~25.7	28.9~43.0	
Refrigerant type		R410A/R32	R410A/R32	R410A/R32	R410A/R32	R410A/R32	
Unit dimensions (L/W/H)	mm	780/820/730	1220/1100/1515	1220/1100/1515	1630/1100/1515	2010/1100/1515	
Package dimensions (L/W/H)	mm	830/860/760	1350/1200/1680	1350/1200/1680	1750/1200/1680	2130/1200/1680	

Remarks:

Heating ①: water side inlet/outlet water temperature: 30°C/35°C, brine side inle/outlet water temperature: 10°C/7°C.

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Heating ③: water side inlet/outlet water temperature: 40°C/45°C, brine side inle/outlet water temperature: 15°C/10°C.

Cooling: water side inlet/outlet water temperature: 12°C/7°C, brine side inlet/outlet water temperature: 30°C/35°C;

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Water flow volume range: water flow volume range is determined by the brine side temperaturer and water side temperature. If the water temperature is low, large water flow volume is suggested to avoid large heat exchange temperature difference that cause freezing of the heat exchanger.

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