

TEMPERATURE CONTROL 14/14

WATER TO WATER POOL HEAT PUMP



✓ Technical features

- Standard type with heating capacity of 13.7kW~171kW
- Touchscreen LCD control display - Can easily connect with a BMS
- Clock and timer on/off function
- High quality system with great efficiency
- Titanium heat exchanger
- Quiet operation
- Environmentally friendly

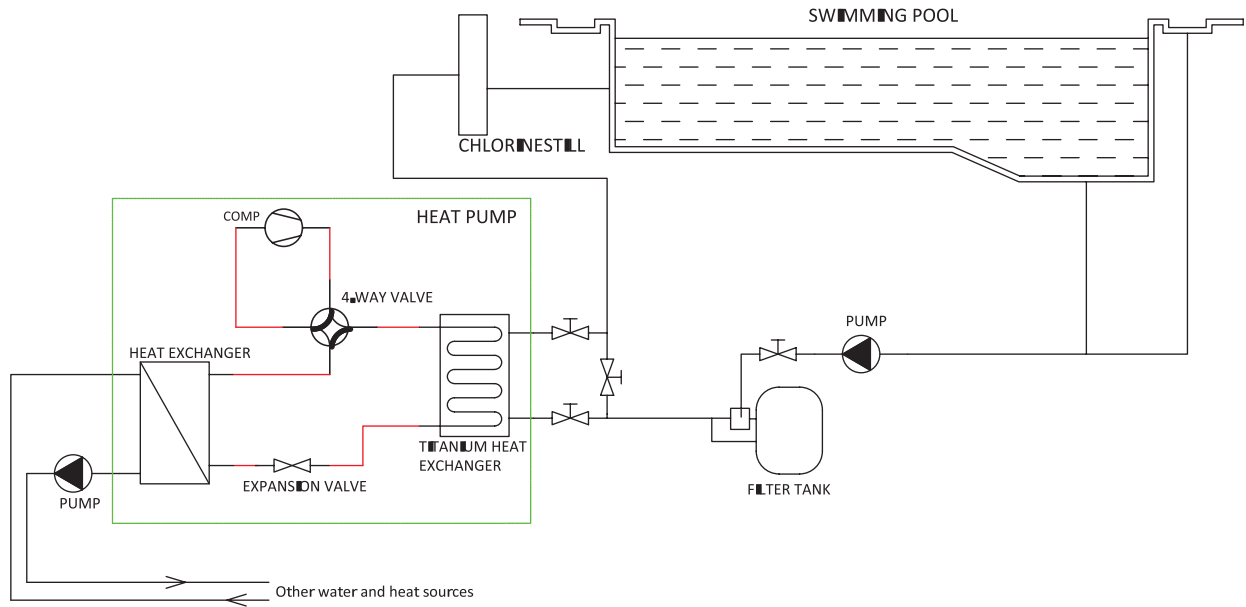
🔍 Models (R410A)

		WN404	WN405	WN406	WN407	WN410
Power supply	V/PH/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
PERFORMANCE CONDITION		Sourcing water inlet Temp. : 12°C , User's side water inlet Temp : 30°C				
Heating Output	kW	13.2	17.7	22.4	25.4	34.1
Power Input	kW	2.8	3.8	4.8	5.5	7.3
COP		4.68	4.66	4.67	4.64	4.68
PERFORMANCE CONDITION		Sourcing water inlet Temp. : 15°C , User's side water inlet Temp : 30°C				
Heating Output	kW	13.9	18.6	23.6	26.7	35.9
Power Input	kW	2.9	3.9	5.0	5.6	7.5
COP		4.76	4.74	4.75	4.76	4.76
PERFORMANCE CONDITION		Sourcing water inlet Temp. : 30°C , User's side water inlet Temp : 28°C				
Cooling Output	kW	12.0	16.1	20.4	23.1	31.0
Power Input	kW	2.5	3.3	4.2	4.8	6.4
EER		4.84	4.82	4.83	4.84	4.84
PERFORMANCE CONDITION		Sourcing water inlet Temp. : 40°C , User's side water inlet Temp : 28°C				
Cooling Output	kW	11.8	15.8	20.1	22.7	30.5
Power Input	kW	3.4	4.6	5.8	6.5	8.8
EER		3.47	3.46	3.46	3.47	3.47
Max. power Input	kW	4.3	5.7	7.2	8.2	11.0
Max. current	A	7.6	10.2	12.9	14.6	19.6
Sound power level 1m	dBA	41	42	42	43	44
Water Side Heat Exchanger Type		Twisted Titanium Heat Exchanger				
Water Connection	mm	50	50	50	50	50
Nominal Water Flow	m3/h	3.8	5.1	6.4	7.3	9.8
Leaving water temperature range-Heating	°C	18~40				
Leaving water temperature range-Cooling	°C	12~40				
Refrigerant Type		R410A				
Unit size	mm	900 x 760 x 860	900 x 760 x 860	900 x 760 x 860	900 x 760 x 860	1320 x 840 x 1130
Unit Net weight	kg	100	120	140	185	250

TEMPERATURE CONTROL



System setup



Models

WN412	WN413	WN414	WN415	WN416	WN417	WN418
380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Sourcing water inlet Temp. : 12°C , User's side water inlet Temp : 30°C						
42.7	50.2	67.8	85.4	105.6	136.3	171.0
9.2	10.9	14.6	18.2	22.2	29.1	36.4
4.64	4.60	4.64	4.68	4.76	4.68	4.70
Sourcing water inlet Temp. : 15°C , User's side water inlet Temp : 30°C						
44.9	52.8	71.5	89.9	105.6	143.5	179.0
9.4	11.2	15.0	18.9	18.8	30.1	37.9
4.75	4.72	4.77	4.76	5.60	4.76	4.72
Sourcing water inlet Temp. : 30°C , User's side water inlet Temp : 28°C						
38.7	45.5	61.7	77.4	91.0	123.0	155.0
8.0	9.5	12.8	16.1	18.8	25.6	32.1
4.83	4.79	4.82	4.81	4.83	4.80	4.83
Sourcing water inlet Temp. : 40°C , User's side water inlet Temp : 28°C						
38.2	44.8	60.9	76.0	89.0	121.0	153.0
11.0	12.9	17.6	22.0	25.8	35.1	44.0
3.47	3.47	3.47	3.45	3.44	3.45	3.48
13.7	16.2	21.9	27.5	32.3	43.9	55.0
24.5	28.8	39.2	49.1	57.7	78.4	98.2
44	45	49	55	55	56	57
Twisted Titanium Heat Exchanger						
50	63	63	90	90	110	110
12.2	14.4	19.4	24.5	30.3	39.1	49.0
18~40						
12~40						
R410A						
1320 x 840 x 1130	1320 x 840 x 1130	1750 x 1120 x 1000	1750 x 1120 x 1000	2000 x 1120 x 1000	2300 x 1120 x 1000	2600 x 1120 x 1000
280	360	500	610	720	990	1200

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Your global partner since 1974. Trusted for superior quality and exceptional innovations.



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