SPRSUN

R410A
Refrigerant

Hot Water
Air Source Heat Pumps



A Professional Heat Pump Manufacturer Since 1999

R410A
REFRIGERANT

Homies Series

Domestic Air To Water Heat Pumps



60°C
Max. Outlet Water Temperature

Max.COP 4.15
High Energy Efficiency

Reduced Noise

Built-in Water Pump

wilo
Wilo Water Pump

Multiple Protections

Adopting high-voltage, low-voltage, and overcurrent protection technologies, the reliability and safety are enhanced, ensuring safe usage.



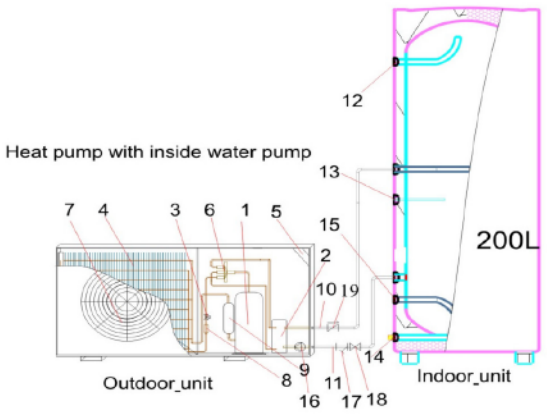
Built-in Water Pump

The heat pump has a built-in WILO brand water pump, which is more convenient and convenient to install, reducing the cost of additional water pump purchase and installation difficulty.



STRUCTURAL DIAGRAM

1.Compressor
2.Condenser
3.Electromic Expansion valve
4.Evaporator
5.Controlling system
6.4-way valve
7.Fan motor
8.Filter
9.Gas-liquid separator
10.Cycle water pipe(To tank)
11. Cycle water pipe(From tank)
12.Hot water outlet
13.Water tank temp sensor tube
14.Drain water pipe
15.Cool water inlet
16.Water pump(can inside or outside heat pump)
17.Water filter
18.Gate valve
19.non-return valve





SPECIFICATION

Model		CGKS-3.5-A	CGKS-5.5-A	CGKS-7-A	CGKS-9-A
Power supply	V	220V～240V/50Hz/1ph			
Refrigerant		R410A			
Rated working condition: dry-bulb temp: 20℃ , wet-bulb temp: 15℃ , cool water temp: 15℃ , hot water temp:55 ℃ .					
Heating capacity	KW	3.8	5.5	7.6	9.2
Input power	KW	0.92	1.33	1.84	2.23
COP		4.15	4.12	4.14	4.12
Rated current	A	4.6	6.7	9.3	11.3
Max current	A	6.2	9.1	12.5	15.2
Max input power	KW	1.3	1.9	2.6	3.1
Fan motor power	W	30	30	40	40
Fan motor quantity	Piece	1	1	1	1
Condenser		Tube in shell heat exchanger			
Water flow	L/h	726	1051	1452	1758
Water rate	L/h	82	118	163	198
Water pressure drop	Kpa	≤ 15	≤ 18	≤ 25	≤ 27
Net weight	kg	40	46	55	62
Gross weight	kg	45	52	57	65
Sound power level (at 1m)	db	42	42	45	45
Classification of waterproof		IPX4			
Electric shock proof grade		I			
Pipe size (internal thread)	mm	DN20	DN20	DN20	DN20
Water pump	WILO	RS15-6	RS15-6	RS15-6	RS15-6
Dimension	mm	990*375*655	990*375*655	990*375*655	990*375*655
Packing dimension	mm	1070*405*800	1070*405*800	1070*405*800	1070*405*800
Compressor		MITSUBISHI			Panasonic

The information in this document is just for reference. Since the continuous improvement and control in the production process, the information contained in this document may be subject to change. Please refer to the nameplate on the machine for model specifications.

R410A
REFRIGERANT

Combo Series

Top Discharge Commercial Air To Water Heat Pumps

60°C
Max. Outlet Water Temperature

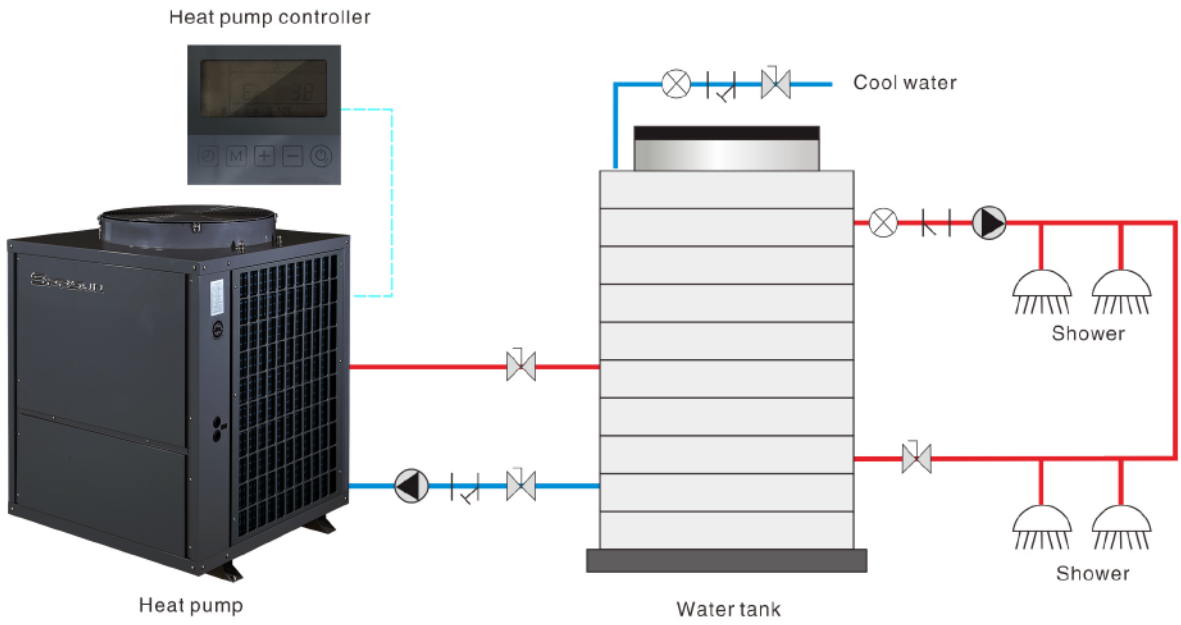
Max.COP 4.15
High Energy Efficiency



Save Energy by Up to 75%

While the heating efficiency of air source heat pump water heaters can reach 400% when the ambient temperature is high enough. Even under 0°C ambient temperature, the heating efficiency can be 200%, far higher than that of electric water heaters or gas water heaters.

INSTALLATION SKETCH MAP





SPECIFICATION

Model		CGK/D-9-A	CGK/D-12-A	CGK/D-18-A	CGK/D-22-A	CGK/D-28-A	CGK/D-36-A	CGK/D-42-A	CGK/D-52-A	CGK/D-72-A	CGK/D-95-A	CGK/D-120-A
Power supply	V	220-240V/50Hz/1ph	380V~415V/50Hz/3ph									
Heating capacity	KW	10	12	18	22	26	36	42	52	72	92	115
Input power	KW	2.41	2.89	4.34	5.30	6.27	8.67	10.12	12.53	17.35	22.17	28.91
COP		4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	4.15	3.98
Rated current	A	11.2	5.5	8.2	10.1	11.9	16.5	19.2	23.8	33.0	42.1	54.9
Max current	A	15.1	7.4	11.1	13.6	16.1	22.2	25.9	32.1	44.5	56.8	74.1
Max input power	KW	3.4	4.0	6.1	7.4	8.8	11.7	13.7	16.9	23.4	29.9	39.0
Fan motor power	W	90	90	250	250	250	250	250	550	800	1150	1250
Fan motor quantity	Piece	1					2					
Water flow	L/h	1911	2293	3439	4204	4968	6879	8025	9936	13758	17579	21974
Water rate	L/h	215	258	387	473	559	774	903	1118	1548	1978	2472
Water pressure drop	Kpa	≤45	≤45	≤55	≤58	≤62	≤65	≤67	≤70	≤72	≤75	≤85
Net weight	kg	100	100	140	155	180	250	270	300	482	582	582
Gross weight	kg	106	106	150	165	190	268	288	320	506	611	611
Sound power level (at 1m)	db	51	52	57	58	59	65	66	68	72	75	76
Condenser		Tube in shell heat exchanger/Double-pipe exchanger										
Refrigerant		R410A										
Classification of waterproof		IPX4										
Electric shock proof grade		I										
Pipe size (internal thread)	mm	DN25	DN25	DN25	DN25	DN25	DN40	DN40	DN40	DN50	DN65	DN65
Dimension	mm	710*710*925	710*710*925	810*810*1055	810*810*1055	810*810*1055	1500×800×1150	1500×800×1150	1500×800×1150	2100×1100×1250	2100×1100×1250	2100×1100×1250
Packing dimension	mm	780*780*1075	780*780*1075	890*890*1205	890*890*1205	890*890*1205	1580*880*1300	1580*880*1300	1580*880*1300	2180x1180x1410	2180x1180x1410	2180x1180x1410

●Rated working condition: dry-bulb temp: 20°C, wet-bulb temp: 15°C, cool water temp: 15°C, hot water temp:55 °C.

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