

Commercial AC Heat Pump Water Heater

For central heating/cooling system



Jupiter Series



Parameter



NL-G3K-G5K-G6K

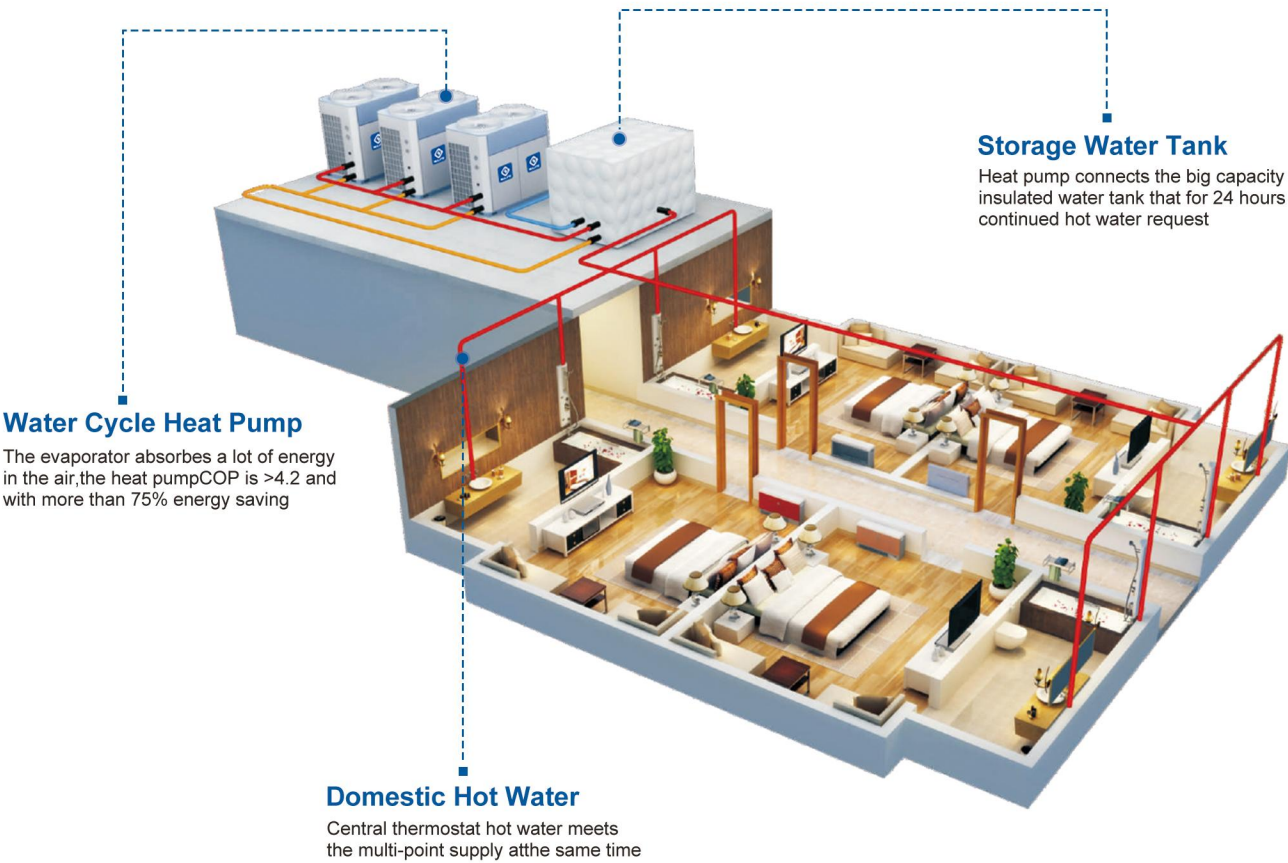
NL-G8K-G10K-G12K

NL-G20K-G24K-G30K-G40K-G50K-G60K

Model Name		NL-G3K	NL-G5K	NL-G6K	NL-G8K	NL-G10K	NL-G12K
Power Source	V/Hz	220V/50Hz~380V/50Hz			380V/50Hz	380V/50Hz	380V/50Hz
AC Water Temp.	°C	7~12°C / 35~45°C					
Heating Capacity	KW	8.4	15	18.5	24.58	29.5	34.12
Rated heating input Power	KW	2.79	4.69	5.82	7.62	9.38	11.04
Cooling Capacity	KW	7.84	12.8	16.3	21.2	26.2	31.1
Rated cooling input Power	KW	2.56	4.4	5.6	7.3	9.01	10.58
Max Input Power	KW	3.72	6.4	7.63	9.8	12.57	14.56
Max Current	A	6.7	11.4	13.6	17.5	22.4	26
Water Flow	m³/h	2	3.4	4.1	5.3	6.6	7.7
Noise Level	dB(A)	≤56	≤58	≤58	≤62	≤64	≤64
Refrigerant	/	R410a	R410a	R410a	R410a	R410a	R410a
Working ambient temp.	°C	-10°C ~ 43°C					
Pipe diameter	/	G1"	G1"	G1"	G1-1/2"	G1-1/2"	G1-1/2"
Net Size	mm	720*720*930	830*830*1100	830*830*1100	1520*800*1235	1520*800*1235	1520*800*1235
Net Weight	KG	95	125	138	250	265	280

Model Name		NL-G20K	NL-G24K	NL-G30K	NL-G40K	NL-G50K	NL-G60K
Power Source	V/Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
AC Water Temp.	°C	7~12°C / 35~45°C					
Heating Capacity	KW	58.5	68	96	135	173	215
Rated Input Power	KW	17.8	22.3	26	33	43	54
Cooling Capacity	KW	50.2	63.8	73	92	115	145
Rated cooling input Power	KW	17.1	21.9	24.8	31.2	39.1	49.3
Max Input Power	KW	23.5	28.4	34.8	46	57	69
Max Current	A	41.9	50.8	62.3	84	106.4	125
Water Flow	m³/h	13.5	15.5	19.5	28	32	41
Noise Level	dB(A)	≤68	≤68	≤70	≤72	≤74	≤76
Refrigerant	/	R410a	R410a	R410a	R410a	R410a	R410a
Working ambient temp.	°C	-10°C ~ 43°C					
Pipe diameter	/	G2"	G2"	G2"	G2-1/2"	G2-1/2"	G3"
Net Size	mm	2000*950*2060	2000*950*2060	2000*950*2060	2500*1250*2240	2500*1250*2240	2500*1250*2240
Net Weight	KG	600	700	850	1150	1350	1500

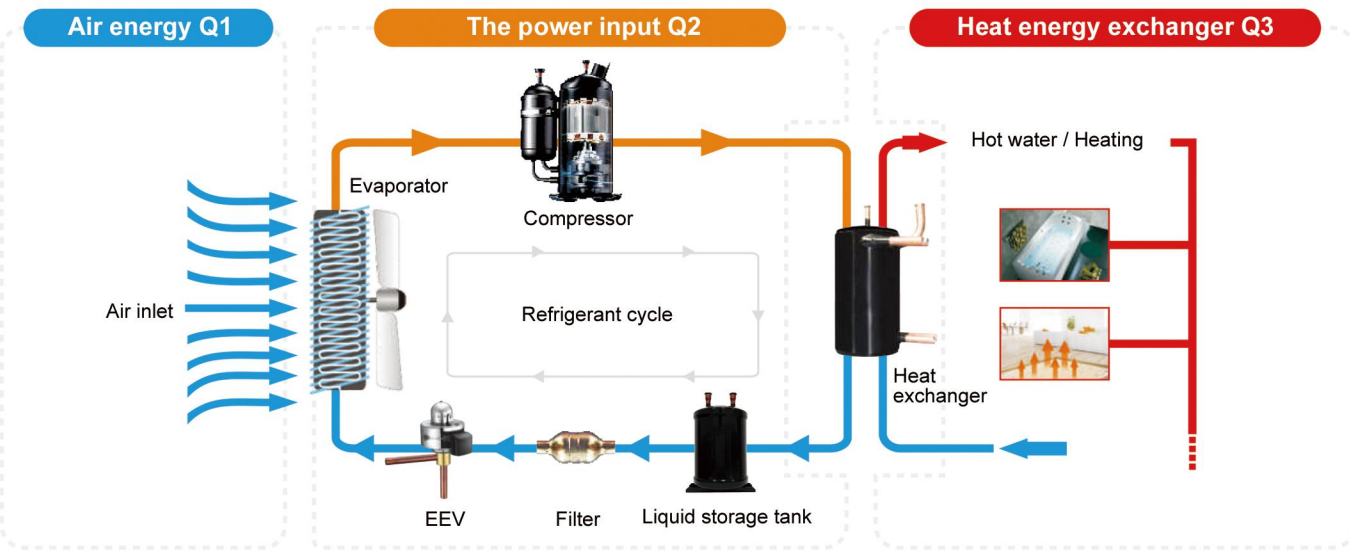
Commercial Heat Pump



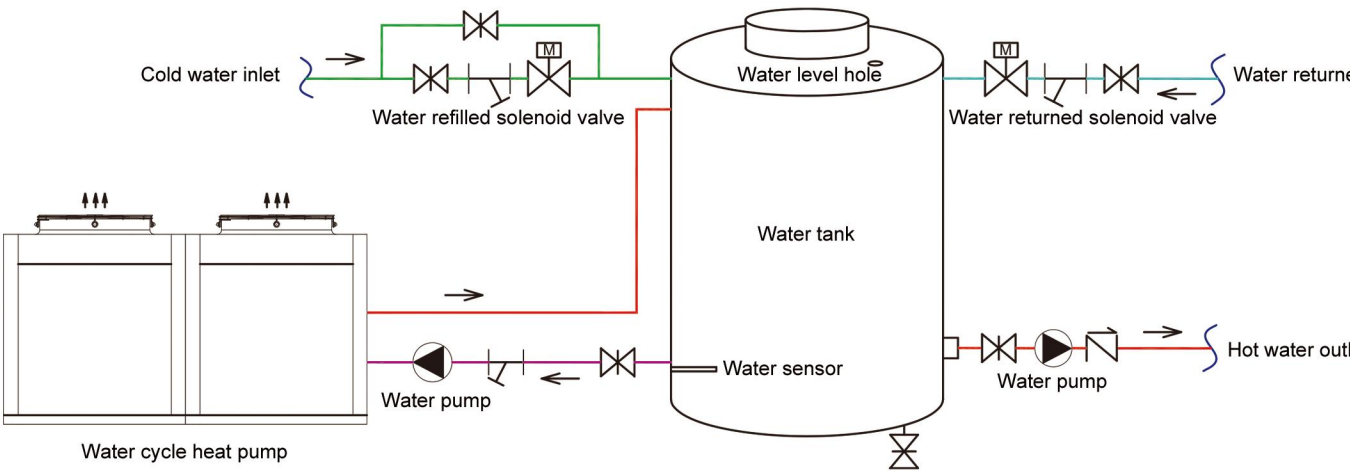
Multi-protection & Long Service Life

- Water Flow Switch Protection**
When the volume of the inlet water is lower than minimum set point, the unit automatically shuts down to protect the system. When the volume increases to a normal level, the unit starts up again.
- Antifreezing Protection**
When the water inlet temp. is too low, the water pump starts up automatically to protect the system.
- High/Low Pressure Protection**
The High/Low pressure switch that monitors the pressure and shut down the unit when pressure rises above or drops below the desired set point.
- High Discharging Temp. Protection**
The unit will shut down automatically when the compressor discharging temp. rises above 110°C and start up again when the temperature drops below 85°C.
- Compressor Overload Protection**
When the compressor is working overload, the unit will stop working to protect the whole system.

Working Principle



Commercial Installation Diagram



MAIN COMPONENTS

- Hydrophilic corrugated fin evaporator**
Evaporator hydrophilic corrugated fin, arranged in rows, the windward area, good heat absorption, not easy to frost.
- International famous brand control chip**
Adopt international famous brand chip, transistor regulator technology, anti-interference ability to protect the powerful, good stability, 485 communication interface, linked switch.
- High efficient heat exchanger**
Dedicated coaxial threaded tube in tube heat exchanger, efficient tube in shell heat exchanger, high heat transfer efficiency, corrosion resistance and other high-quality performances.
- Copeland zw series compressors**
Using the USA Copeland ZW series fully enclosed scroll heat pump dedicated compressor, very high performance, resisted high pressure, resisted high temperature, low noise, long service life.