

High Temperature Heat Pump Water Heater

For Central Hot Water / Heating System



75°C

Max Hot Water Temperature



-10°C

Ambient Temperature

Martis Series



Your Best Heat Pump Supplier

Parameter



NL-G3G-G5G-G6G

NL-G8G-G10G-G12G

NL-G20G-G24G-G30G-G40G-G50G-G60G

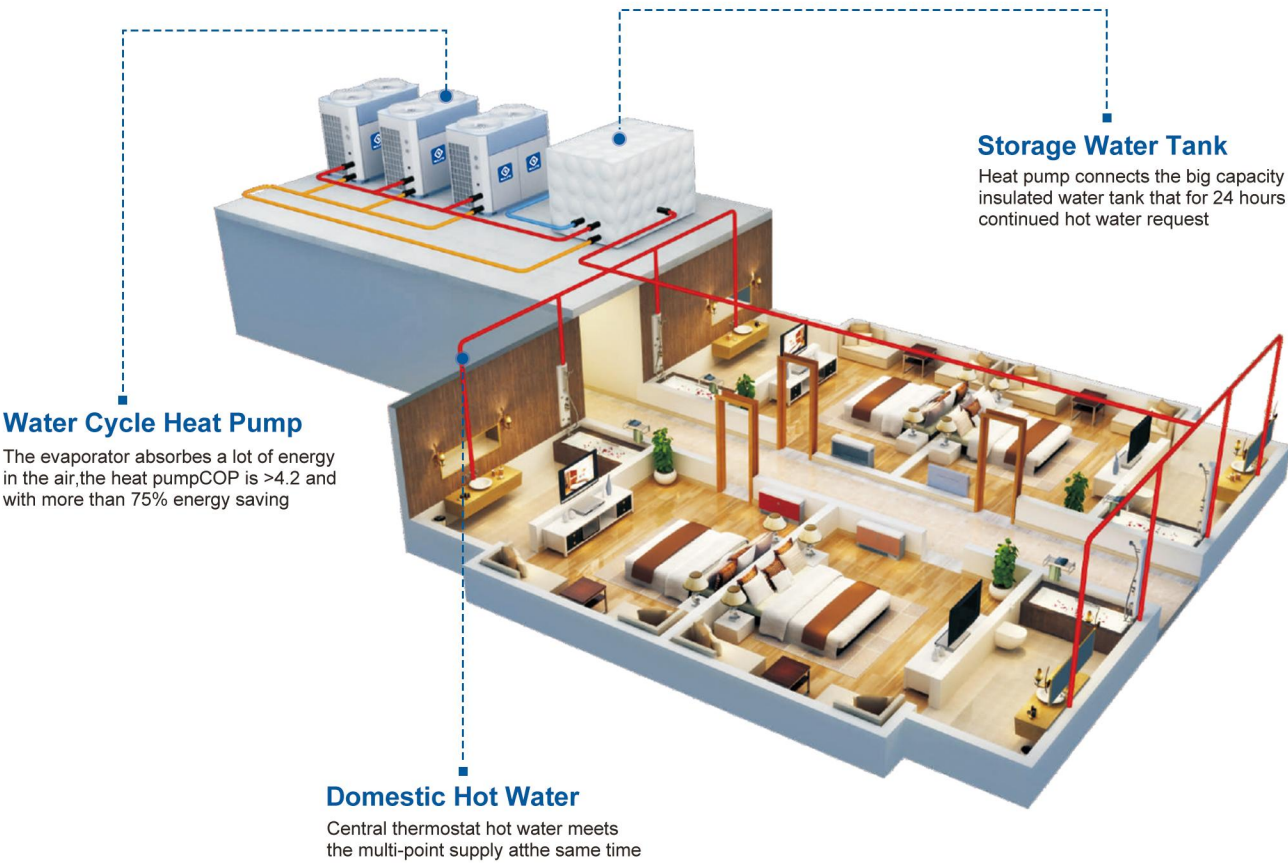
Model Name	NL-G3G	NL-G5G	NL-G6G	NL-G8G	NL-G10G	NL-G12G
Power Source	220V/50Hz~380V/50Hz			380V/50Hz	380V/50Hz	380V/50Hz
Max Water Temp.	75°C	75°C	75°C	75°C	75°C	75°C
Heating Capacity	11.4KW	19.7KW	23KW	30.5KW	38.5KW	44.7KW
Rated Input Power	2.57KW	4.45KW	5.3KW	7.2KW	8.73KW	10.11KW
Max Input Power	3.72KW	6.4KW	7.63KW	9.8KW	12.57KW	14.56KW
Max Current	6.7A	11.4A	13.6A	17.5A	22.4A	26A
Water Flow	2m³/h	3.4m³/h	4.1m³/h	5.3m³/h	6.6m³/h	7.7m³/h
Noise Level	≤56dB(A)	≤58dB(A)	≤58dB(A)	≤62dB(A)	≤64dB(A)	≤64dB(A)
Refrigerant	R134a	R134a	R134a	R134a	R134a	R134a
Working ambient temp.	-10°C~43°C					
Pipe diameter	G1"	G1"	G1"	G1-1/2"	G1-1/2"	G1-1/2"
Net Size	720x720x930	830x830x1100	830x830x1100	1520x800x1235	1520x800x1235	1520x800x1235
Net Weight	95kg	125kg	138kg	250kg	265kg	280kg

Model Name	NL-G20G	NL-G24G	NL-G30G	NL-G40G	NL-G50G	NL-G60G
Power Source	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
Max Water Temp	75°C	75°C	75°C	75°C	75°C	75°C
Heating Capacity	72KW	90.3KW	115KW	140KW	180KW	230KW
Rated Input Power	18KW	20.3KW	27.8KW	36KW	41KW	56KW
Max Input Power	23.5KW	28.4KW	34.8KW	46KW	57KW	69KW
Max Current	41.9A	50.8A	62.3A	84A	106.4A	125A
Water Flow	13.5m³/h	15.5m³/h	19.5m³/h	28m³/h	32m³/h	41m³/h
Noise Level	≤68dB(A)	≤68dB(A)	≤70dB(A)	≤72dB(A)	≤74dB(A)	≤76dB(A)
Refrigerant	R134a	R134a	R134a	R134a	R134a	R134a
Working ambient temp.	-10°C~43°C					
Pipe diameter	G2"	G2"	G2"	G2-1/2"	G2-1/2"	G3"
Net Size	2000x950x2060	2000x950x2060	2000x950x2060	2500x1250x2240	2500x1250x2240	2500x1250x2240
Net Weight	600kg	700kg	850kg	1150kg	1350kg	1500kg

The specifications are based on: DB Temperature 20°C ,WB Temperature 15°C ,In/Out 15°C /55°C.

Notice: the above data is for reference only, the specific data is subject to actual product.

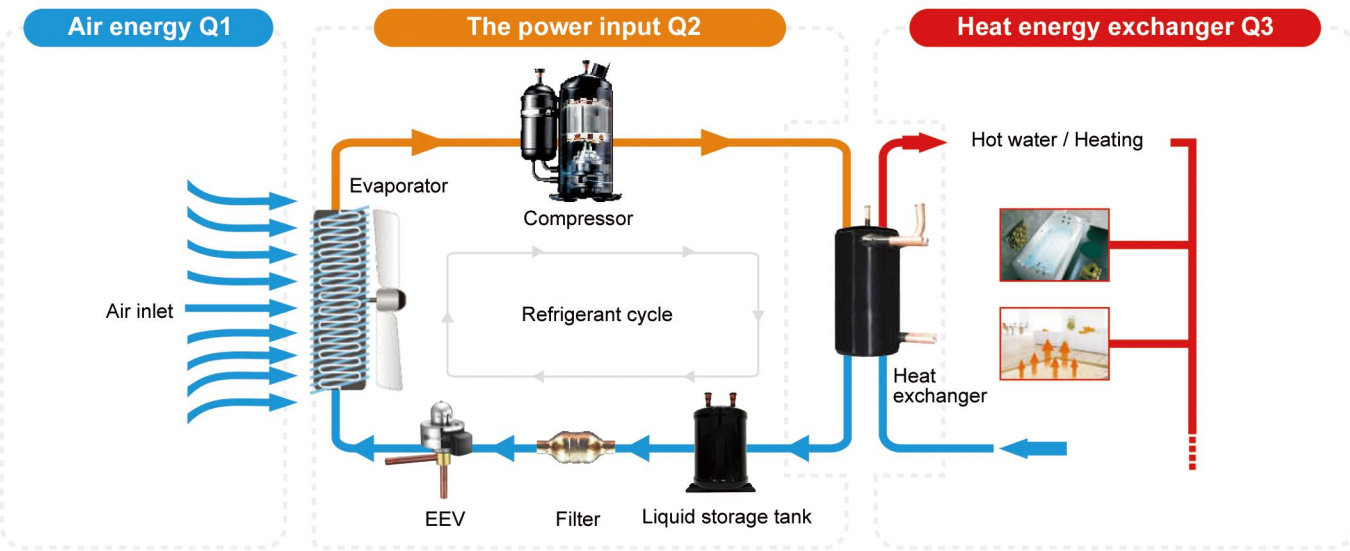
Commercial Heat Pump



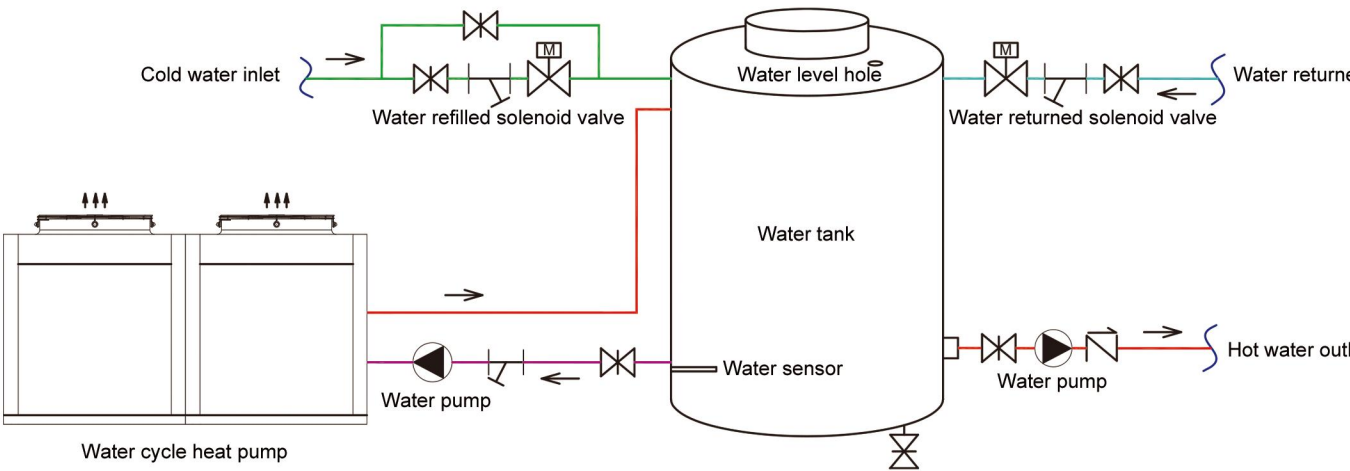
Multi-protection & Long Service Life

- 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.