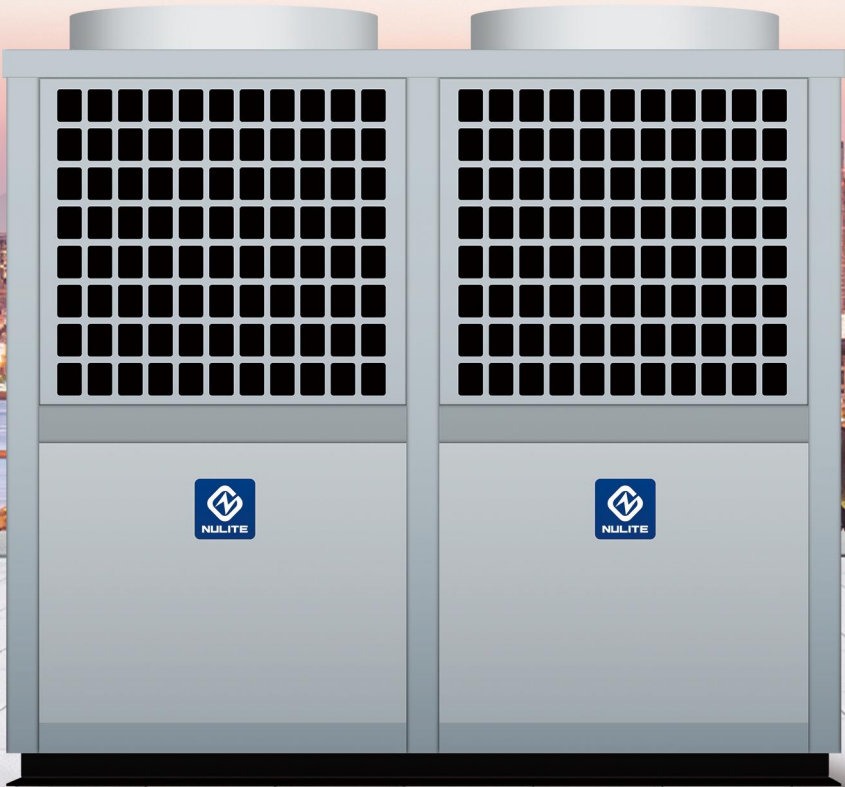


EVI Commercial AC Heat Pump Water Heater

For Central Heating/Cooling System



Venus Series



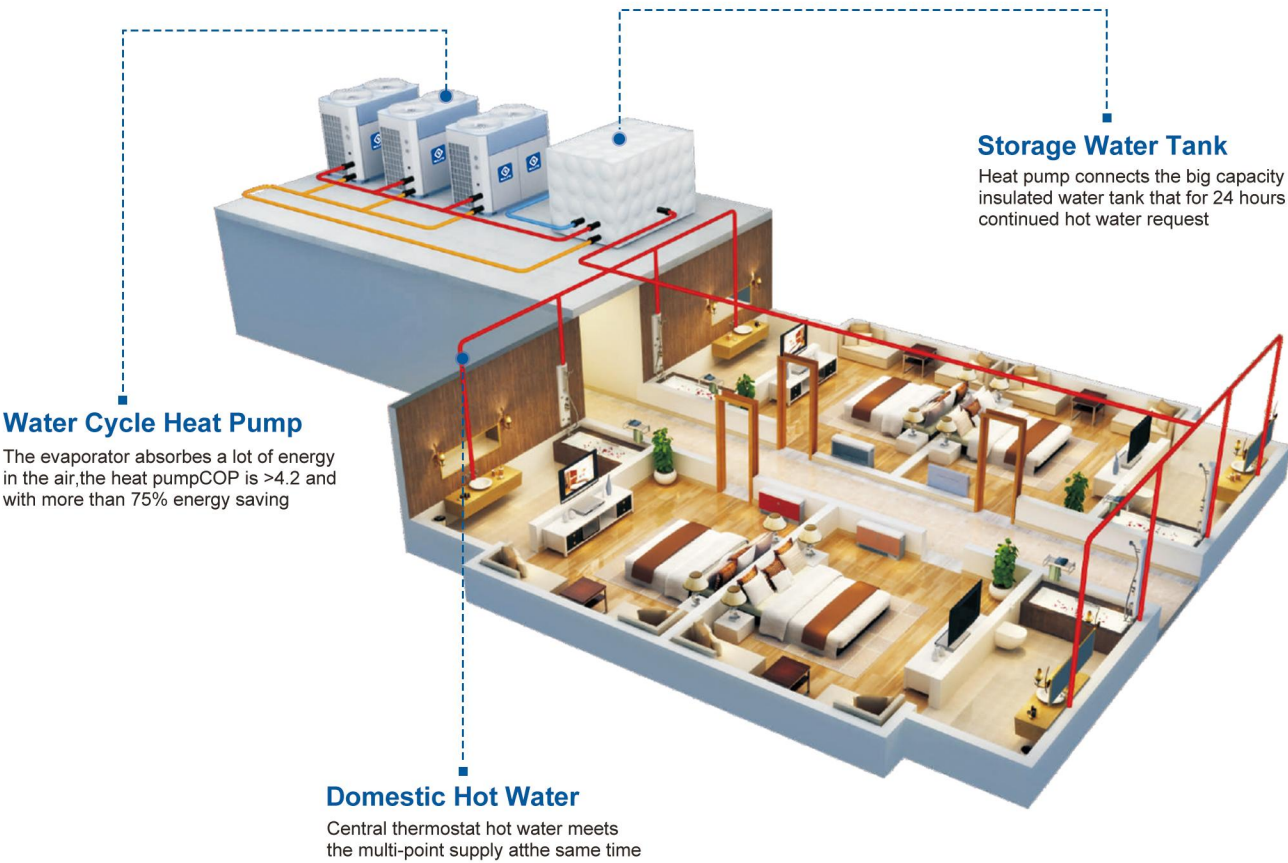
Parameter



Model Name		NL-G3KD	NL-G5KD	NL-G6KD	NL-G8KD	NL-G10KD	NL-G12KD
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	-25°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-G20KD	NL-G24KD	NL-G30KD	NL-G40KD	NL-G50KD	NL-G60KD
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	-25°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.

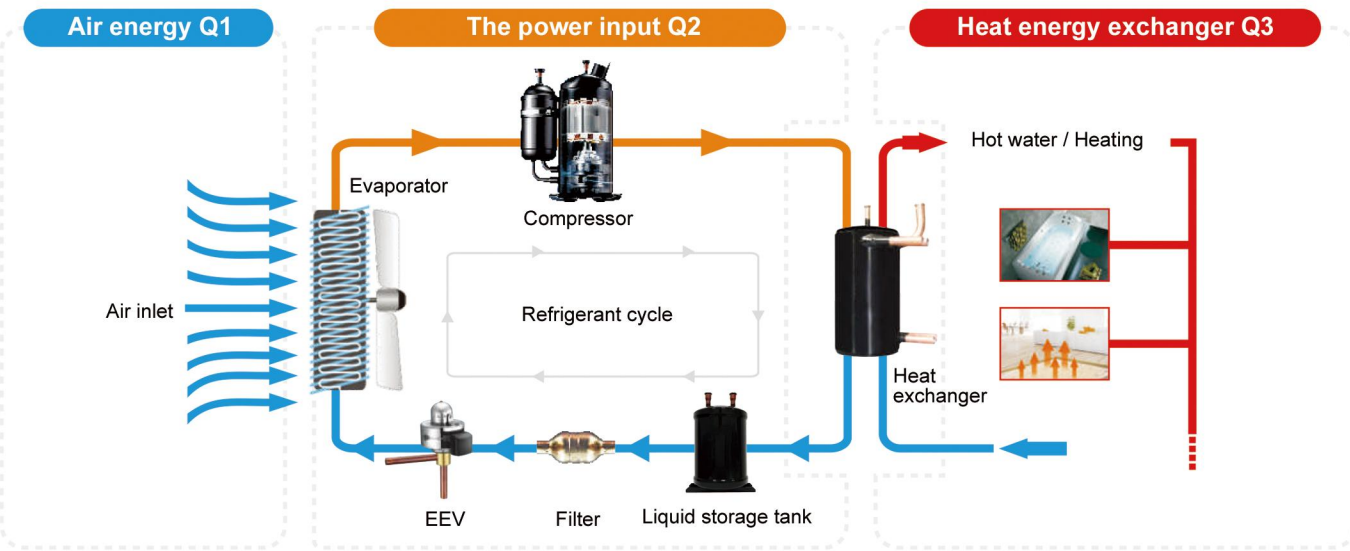
Antifreezing Protection
When the water inlet temp. is too low, the water pump starts up automatically to protect the system.

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.

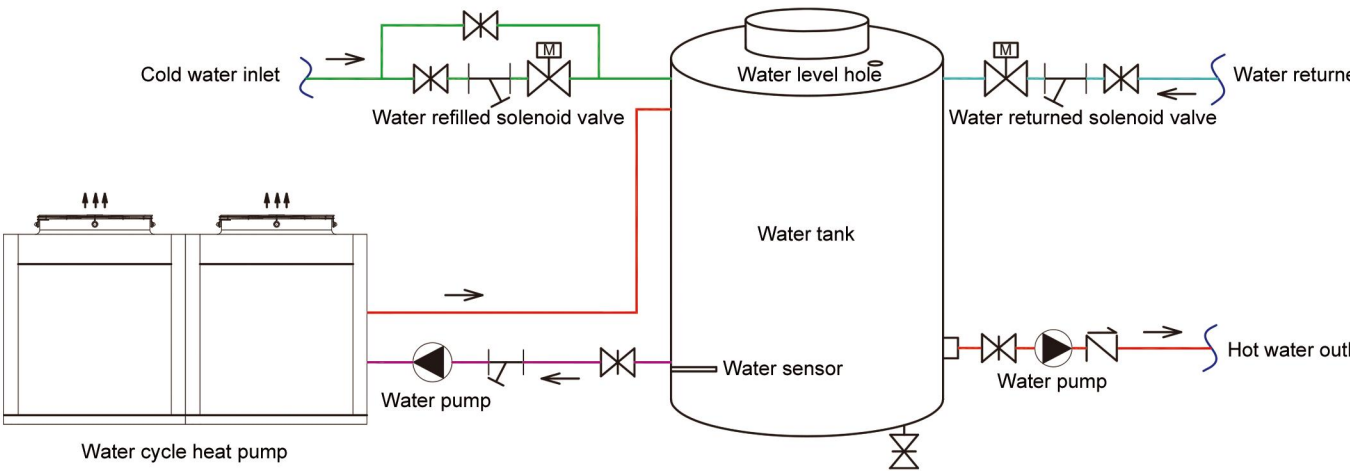
High Discharging Temp. Protection
The unit will shut down automatically when the compressor discharging temp. rises above 110°C and start up again when the temperature drops below 85°C.

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.