

R290 HIGH TEMPERATURE
AIR SOURCE HEAT PUMP

*Nulite Be
Your Right*



The Pioneer of European Inverter
3 in 1 Heat Pump

Functionable / Energy Saving / Potential

Nulite Are Supplying New Renewable Energy-Based Air Source Heat Pump Solutions

Multifunctional connection



TS:Thermostat switch
E1:DHW auxiliary electric heater
G1:DHW-AC Convert three-way valve
G2:Season Convert three-way valve
G3:Solar three-way valve

C1:Main water pump
C2:AC auxiliary water pump
C3:DHW axlliary water pump
C4:DHW pipeline crculating water pump
C5:Indoor circulating water pump



Controller Panel



English



German



Polish



Czech Republic



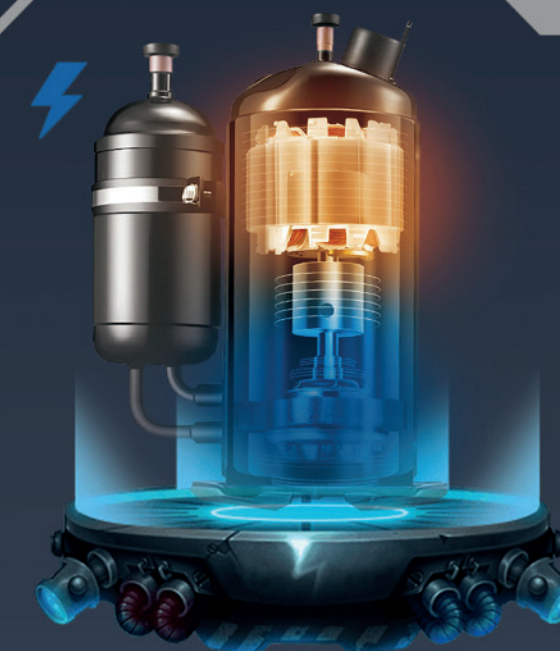
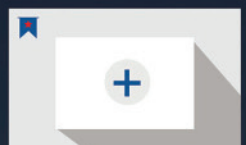
French



Italian



Danish



Panasonic EVI

Quickly heating&energy saving,automatic to change the power input,-
adapted dual-rotor balance technology,operation peaceful,low noise and
longer life time.Stably running down to -25°C,heating capacity output
increased 200% in low temperature.

Dual rotor
Dc inverter

R290
Refrigerant

-25°C
Operation

200%
Heat Output

The reasons for choosing Nulite heat pump water heaters

ECO-FRIENDLY



lower emissions

R290 differs from other refrigerant gases such as R32 in that it has a very low Global Warming Potential(GWP).

Advantages:

- ★ Low global warming potential (GWP) of , making it a more sustainable and environmentally friendly option compared to other refrigerant gases.
- ★ Excellent energy efficiency, as it requires less energy to reach and maintain the desired temperature.
- ★ Contains no chlorine or fluorine, making it less harmful to the ozone layer.
- ★ No damages due to its high purity.
- ★ Compatibility with existing equipment.

Feature

- 01、WI-FI function

02、Five Function modes

03、With RS485 signal connection
- 04、With Linked switch signal connection

05、3 ways valve signal connection

06、Bulit-in water pump
- 07、Bulit-in 3KW electric heater

08、Bulit-in expansion tank

09、R290 EVI DC inverter compressor

HIGHLY EFFICIENT



excellent efficiency

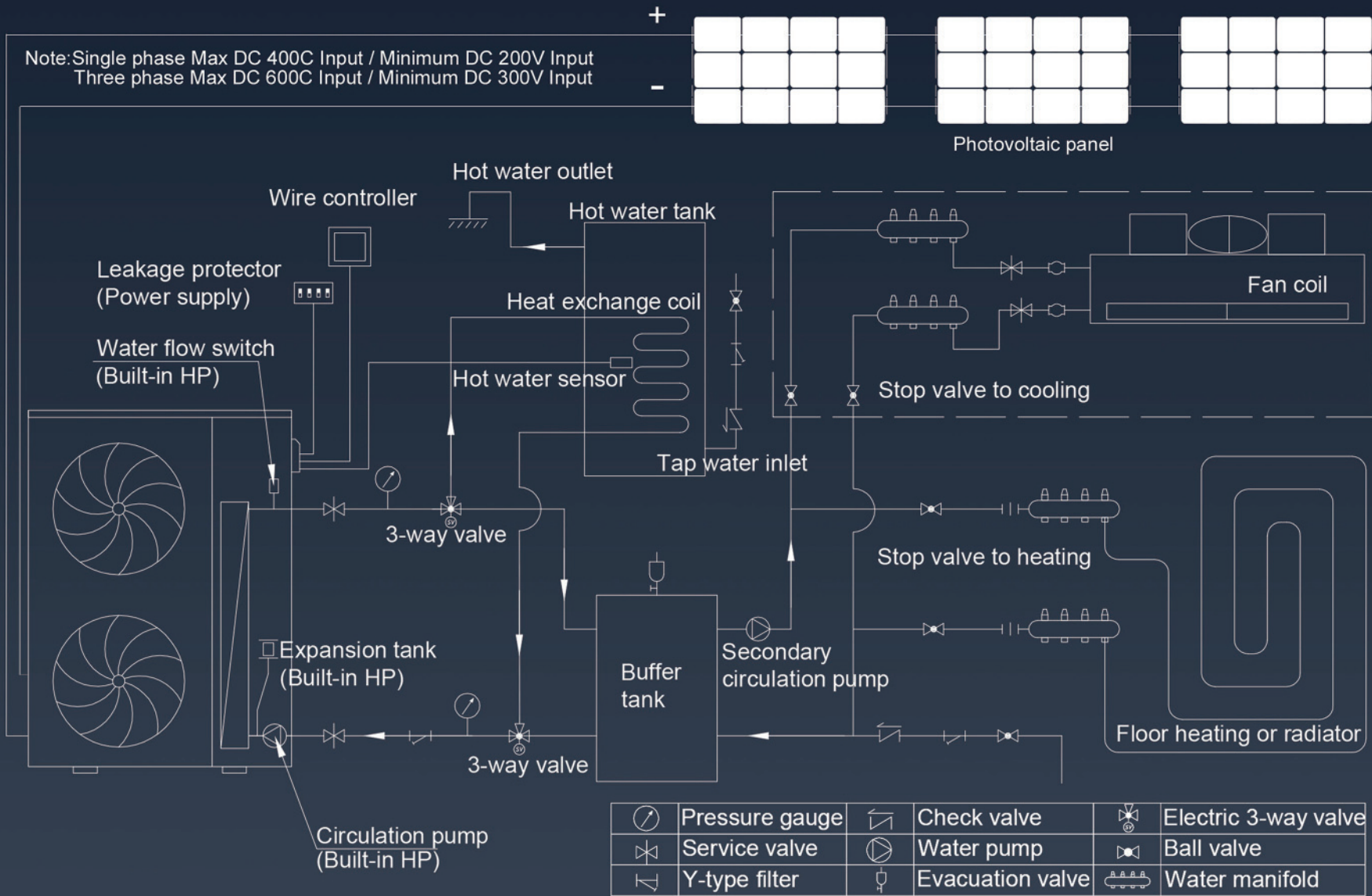
Due to its thermodynamic properties the energy efficiency of this type of refrigerant gas is excellent, up to 34% higher than R32

HIGH TEMPERATURE



Compatible with existing units

Flamingo R290 Series is ideal for replacing less efficient systems due to the high temperature of its water supply. It is compatible with radiators and does not require a large accumulation volume of domestic hot water.



EVI DC INVERTER HEAT PUMP

R290 is the most sustainable refrigerant and possibly your best option when it comes to purchasing a commercial refrigerant for your business.



Electric Heater



Expansion Tank



Inverter Pump



Dc Inverter Heat Pump			NL-FLM30-100II/R290	NL-FLM30-130II/R290	NL-FLM50-160II/R290	NL-FLM50-190II/R290
Heating capacity (A7C/W35C)		W	10000	12800	16000	19000
Input power (A7C/W35C)		W	2410	2970	3750	4530
DHW capacity (A7C/W55C)		W	9500	11300	15500	16800
Input power (A7C/W55C)		W	3150	3600	5000	5500
Cooling capacity (A35C/W18C)		W	10000	11000	14000	16500
Input power (A35C/W18C)		W	2950	3600	4260	5400
Voltage		V/Hz	220V - 240V - Inverter - 1N		380V - 415V - Inverter - 3N	
Rated water temperature		°C	DHW: 55°C / Heating: 45°C / Cooling: 12°C			
Max water temperature		°C	75°C ~ 80°C			
Rated water flow		m³/h	1.7	2.1	2.7	3.1
Refrigeration		/	R290	R290	R290	R290
Rated of waterproof		/	IPX4	IPX4	IPX4	IPX4
Control mode		/	Heating / Cooling / DHW / Heating+DHW/ Cooling+DHW			
Compressor	Form	/	Double-rotor type	Double-rotor type	Double-rotor type	Double-rotor type
	Quantity	/	1	1	1	1
Compressor	Brand	/	Panasonic Full Inverter +EVI Compressor			
	Brand	/	Panasonic Full Inverter +EVI Compressor			
Net weight		Kg	105	112	145	150
Nosie level		dB(A)	≤51	≤51	≤53	≤53
Fan	Form	/	Full DC fan motor (low noise)			
Fan motor	PCS		1	1	2	1
Water heat exchanger		/	Sweden SWEP Plate heat exchanger (Main road) + Denmark Danfoss Plate heat exchanger(EVI road)			
Auxiliary Element	built-in	French	3KW	3KW	3KW	3KW
Circulation pump	built-in	SHIMGE	Inverter Water Pump (water head 12 meters)			
Expansion tank	built-in	L	5	5	5	5
Ambient temperature		°C	(-25°C -- 43°C)	(-25°C -- 43°C)	(-25°C -- 43°C)	(-25°C -- 43°C)
Inlet pipe diameter		mm	DN25	DN25	DN25	DN25
Outlet pipe diameter		mm	DN25	DN25	DN25	DN25
Net size		mm	1080x499x970		1080x499x1365	
Packing size		mm	1120x510x1100		1120x510x1490	
20"GP container loading		pcs	44	44	22	22
40"HQ container loading		pcs	92	92	46	46

