

SPIRIT SA

AIR/WATER SPLIT HEAT-PUMP SPIRIT SA

The Spirit SA is a compact unit with a power range between 6 and 16kW, and is highly recommended for installments where the lack of space is an issue.



5 years
WARRANTY
3 years full warranty
2 years on parts



SPIRIT
Inverter
Technology

AIR-WATER HEAT PUMPS

ENERGY SAVING AND ENVIRONMENT PROTECTION

The air-to-water heat pump system, which uses the energy present in the air to provide heating, cooling and domestic hot water in the home.

This technology makes it possible to reduce energy consumption at home and reduce CO2 emissions, offering an ecological and sustainable alternative to traditional heating and DHW systems.

Thermal energy is present in the air around us. Even at sub-zero temperatures, thermal energy can be extracted from the outdoor air available in nature.

This system is increasingly sought after by people looking for a high level of comfort, energy saving and environmentally friendly renewable energy.



ADVANTAGES OF A NIPON COOLAIR HEAT PUMP



Big energy savings

There is a significant saving in energy consumption, reaching up to 75% free energy.



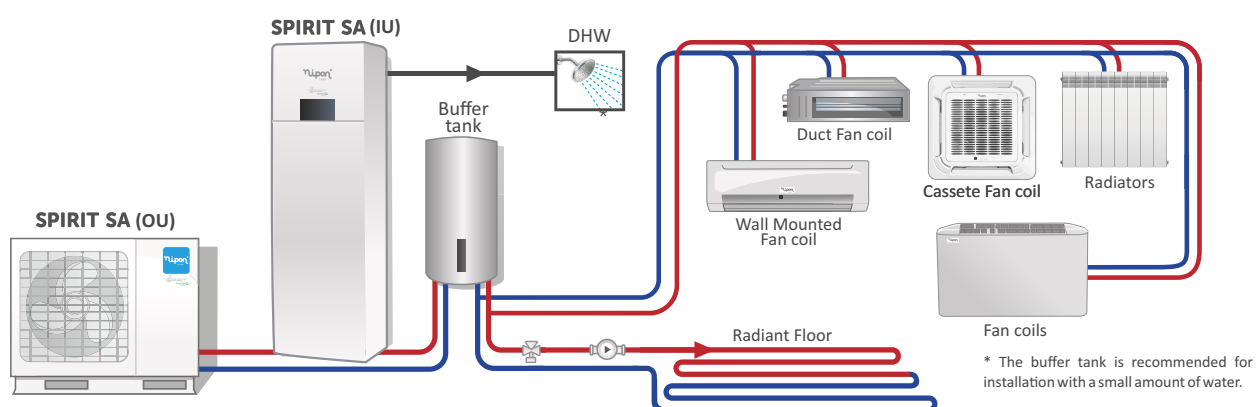
WiFi connection

SPIRIT heat pumps have a wifi connection for easy management via application on a smartphone or tablet.

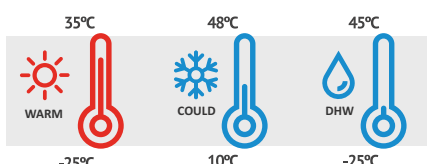


Ecological and Ideal for new constructions

.They are a system classified as Renewable Energy, which improves the energy classification of the house, and meets the requirements for new constructions



THERMAL OPERATING RANGE



SPLIT SYSTEM WITH INTEGRATED 200L DHW TANK

- Direct connection to DHW systems, underfloor heating systems, fan coil units and radiators, etc.
- SPIRIT SA is made up of three parts: the outdoor unit, the hydraulic module and the AQS 200L tank; the last two form the inner unit.
- The hydraulic kit (interior) includes a DHW domestic hot water tank.
- Its format makes it ideal for small spaces that require very compact elements.

HEAT PUMPS

AIR/WATER SPLIT HEAT-PUMP SPIRIT SA



INTEGRATED
CONTROL



5 years

WARRANTY

* 3 years full warranty + 2 years on parts

The Spirit SA is a compact unit with a power range between 6 and 10kW, and is highly recommended for installments where the lack of space is an issue.

- Built-in Wi-Fi Control
- Water Output Temperature of 60°C (without backup heater)
- Latest Generation Components
- 200L Tank for DHW



GOLDEN FIN

Anti-Corrosion Treatment of the OU interchanger grants it with a golden look (Golden Fin), making the unit a great product for seaside environment with high level of corrosion.

SPLIT SPIRIT SA HEAT-PUMP

SA06 Gv3

SA08 Gv3

SA10 Gv3

NEW SA12 Gv3

NEW SA14 Gv3

NEW SA16 Gv3

NEW SA12T Gv3

NEW SA14T Gv3

NEW SA16T Gv3

SPLIT SPIRIT SA HEAT-PUMP		SA06 Gv3	SA08 Gv3	SA10 Gv3	SA12 Gv3	SA14 Gv3	SA16 Gv3	SA12T Gv3	SA14T Gv3	SA16T Gv3
Heating Power (7°C out/ 35°C water)	kW	6	8	9.5	12	14.00	15.50	12.00	14.00	15.50
Heating Power (7°C out/ 45°C water)	kW	5.9	8	9.5	12.40	14.50	16.10	12.40	14.50	16.10
Cooling Power (35°C out/ 7°C water)	kW	4.10	5.30	6.50	10.70	11.30	10.60	10.70	11.30	11.60
Cooling Power (35°C out/ 18°C water)	kW	5.80	7.00	8.50	11.00	12.60	13.00	11.00	12.60	13.00
EER (35°C out/ 7°C water)		3.20	3.06	2.86	2.93	2.80	2.65	2.80	2.80	2.65
EER (35°C out/ 18°C water)		4.40	4.00	3.79	4.40	3.70	3.61	4.40	3.70	3.61
COP (7°C out/ 35°C water)		5.00	4.71	4.59	5.00	4.70	4.50	5.00	4.70	4.50
COP (7°C out/ 45°C water)		3.91	3.74	3.60	3.85	3.75	3.65	3.85	3.75	3.65
Energy Class (35°/55°/DHW)		A+++/A++/A			A+++/A++/A			A+++/A++/A		
Power Supply	V/f/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	400/3/50	400/3/50	400/3/50
Cooling Current	A	8.2	11.3	14.4	17.80	21.7	25.4	6.2	7.3	8.5
Heating Current	A	6.7	9.3	11.5	13.60	16.2	18.5	4.5	5.4	6.2
Protection Circuit Breaker	A	16	16	25	25	32	32	32	16	16
Temperature Range	Cooling	°C	+10~+48	+10~+48	+10~+48	+10~+48	+10~+48	+10~+48	+10~+48	+10~+48
	Heating	°C	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35
DHW Temperature	°C	+40~+80	+40~+80	+40~+80	+40~+80	+40~+80	+40~+80	+40~+80	+40~+80	+40~+80
Connectios Diameter	Liquid	poL	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
	Gas	poL	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8
Pre-Load Length	m	5	5	5	5	5	5	5	5	5
Total Max. Length	m	20	20	20	15	15	15	15	15	15
Max. Height Difference	m	15	15	15	15	15	15	15	15	15
Hydraulic Connectios	poL(DN)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)
Refrigerant Gas		R32	R32	R32	R32	R32	R32	R32	R32	R32
Indoor unit	Eletric heater	kW	1.5 + 1.5	3 + 3	3 + 3	3 + 3	3 + 3	3 + 3	3 + 3	3 + 3
	Sound Pressure	dB(A)	31	31	31	31	31	31	29	29
	Dimensions (WxDxH)	mm	600x1800x650	600x1800x650	600x1800x650	600x1800x650	600x1800x650	600x1800x650	600x1800x650	600x1800x650
	Tank Volume	L	200	200	200	200	200	200	200	200
Outdoor unit	Unit's Weight	Kg	195/219	195/219	195/219	195/219	195/219	195/219	195/219	195/219
	Air Flow	m³/h	3200	3512	3512	2969	2969	2969	2969	2969
	Sound Pressure	dB(A)	50	54	54	59	60	58	59	60
	Refrigerant Gas Load	Kg	1	1.6	1.84	1.84	1.84	1.84	1.84	1.84
	Additional Gas Load	g/m	16	16	0	0	0	0	0	0
	Dimensions (WxDxH)	mm	975x702x396	982x787x395	982x787x395	940x820x460	940x820x460	940x820x460	940x820x460	940x820x460
	Package Dimensions (WxDxH)	mm	1097x937x478	1097x937x478	1103x973x573	1103x973x573	1103x973x573	1103x973x573	1103x973x573	1103x973x573
	Net Weight/ Gross Weight	Kg	55/65	82/92	82/92	104/114	104/114	104/114	110/121	110/121
O.U. Code			NI0521106	NI0521108	NI0521110	NI0521112	NI0521114	NI0521116	NI0521312	NI0521316
I.U. Code			NI0523106	NI0523108	NI0523110	NI0523112	NI0523114	NI0523116	NI0523312	NI0523316
Code			NI0526106	NI0526108	NI0526110	NI0526112	NI0526114	NI0526116	NI0526312	NI0526316