

SUN MONO

Mono 3D DC air conditioner R32 with WiFi

SCOP = 5,3 A+++

DC inverter

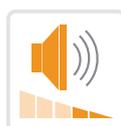


YOUR WELLNESS

SUN R32 gas air conditioners ensure high efficiency at low cost, it is a safe refrigerant, already used as a component of R410A, it is a pure mono component that can be easily reused. This range is characterized by lightness and small dimensions, overcoming space problems and solving the needs of comfort.

MAXIMUM SILENCE

The level of silence of the SUN units is extremely high and allows the product to be used in any condition.





Net Home



24 °C



Benefits
from the SUN range

ALL FUNCTIONS AT YOUR DISPOSAL

Thanks to the presence of a special Smart Kit and the App available for both iOS and Android applications, it is possible to control the operation of the SUN series air conditioners in every situation, with ever greater functions and ease of use: how to turn on the air conditioner while driving towards home, in order to enjoy the desired temperature as soon as you return.

INTELLIGENT DIAGNOSIS

Thanks to the diagnostic program present in the application, the reference values of the operating parameters present in the product can be checked to evaluate the correct functioning of the system units.

WEEKLY TIMER

L'accensione e lo spegnimento del prodotto possono essere impostate su base settimanale della App per programmare l'utilizzo del prodotto anche da remoto.

SMART KIT

It is a USB key connected to the control board located behind the front panel that allows you to connect the indoor units of the SUN series to a dedicated control server via Wireless Lan. In this way the units can be managed and controlled via Mobile through App and Bluetooth.

SUN COMMUNICATION BOARD

The accessory consists of 2 separate electronic boards that allow you to: act via a clean contact directly on the SUN series indoor unit with the remote ON-OFF function or act via communication bus directly on the SUN indoor unit, allowing it to be connected to systems centralized control systems. These functions are not available at the same time.

The 2 electronic boards are equipped with appropriate connection wiring and are housed inside the SUN unit without the need for external accessories.



TECHNICAL FEATURES

SLEEP CURVE

Using the App allows even more accurate control of your air conditioner: starting with the ability to program a "SLEEP CURVE", or a series of desired temperatures at any time of the night. You can opt for one of the pre-set settings, or create your own.



SPLIT REMOTE CONTROL

SUN's brand new remote control offers maximum ease of use combined with a modern design. Thanks to its intuitive logic, although the number of keys has decreased compared to previous remote controls, its control possibilities have increased.



ECO

FUNCTION



IMMEDIATE COMFORT

The SUN series uses a powerful compressor and an air intake designed to generate a strong flow of fresh air for your immediate comfort.

SUN is equipped with a start-up technology that allows you to reach the maximum speed of the compressor in just 6 seconds.

ECO FUNCTION

In cooling mode, pressing this button, the remote control will automatically adjust the temperature to 24 ° C, the fan speed set to "Auto" to save energy (only when the set temperature is below 24 ° C). If the set temperature is higher than 24 ° C, by pressing the ECO button, the fan speed will change to "Auto", the set temperature will remain unchanged.

COOLING WITHOUT LIMITS

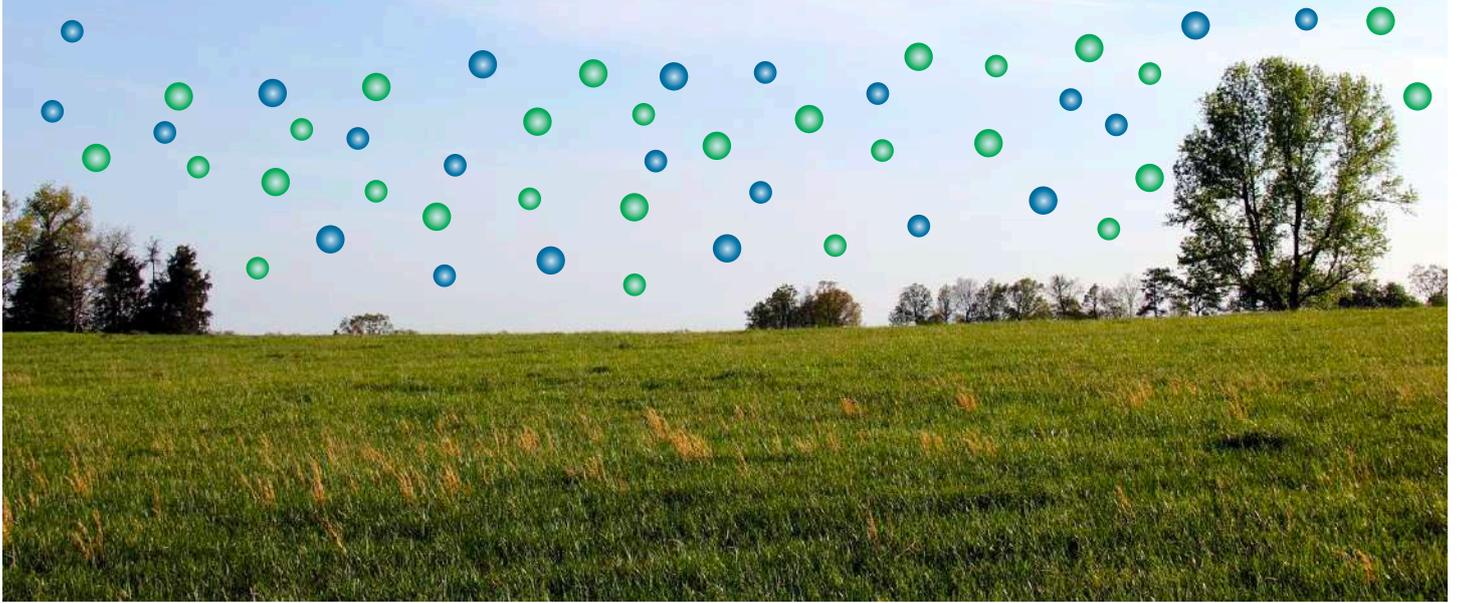
Even at outdoor air temperatures up to 50 ° C, the SUN series works excellently with a production capacity of 100%, to ensure uninterrupted cooling performance.

- Stable operation in the voltage range: 150 V - 270 V
- Lowest air outlet temperature: 14 ° C (minimum), 23 ° C within 90 seconds (faster)
- Outdoor units resistant to sand and wind

OUTPUT CAPACITY



Function Super Ionizer



FUNCTION SUPER IONIZER

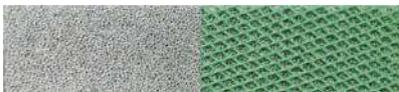
With the Super Ionizer function thanks to the high concentration release of positive ions (3,500,000 n / cm³) and negative ions (10,000,000 n / cm³) the purification of the indoor air from odors, dust and pollen is obtained.



SILVER ION FILTERS

Add a new PLUS to your split, the silver ion and catechin filter to neutralize viruses and bacteria, fungi and spores.

Thanks to silver ions and catechin (natural substance extracted from tea leaves with antiviral and antibacterial properties) it helps prevent the spread of viral pathologies.



MAXIMUM SILENCE

The level of silence of the SUN units is extremely high and allows the product to be used in any condition.



MAXIMUM FREEDOM OF AIR DIRECTION ADJUSTMENT

With the 3D effect it is possible to adjust the direction of air flow on the vertical and horizontal axis, in order to customize the air conditioner diffusion at will.

FOLLOW ME

It is the exclusive SUN function that allows the desired temperature to be quickly reached, by detecting the room temperature near the remote control. This guarantees excellent comfort.



GOLD TECH EXCHANGER

The heat exchanger with a gold-effect surface treatment guarantees high resistance to oxidation and corrosion.

This anticorrosive coating on the condenser can resist salty air, rain and other corrosive elements.

In addition, it effectively prevents the proliferation of bacteria and improves heat transfer efficiency.

ANTI CORROSION STRUCTURE

The top cover has been designed and shaped to keep rain and sand away and to ensure stable operation of the internal components.

The triple layer protection of the sheet metal can pass an acid resistance test lasting 500 hours without any visible signs of corrosion, ensuring a longer life cycle for the unit, especially in humid areas.



SUN MONO DC INVERTER

Air conditioner mono R32 - 3D DC with standard Wi-Fi

SCOP = 5,1 A+++



TECHNICAL FEATURES

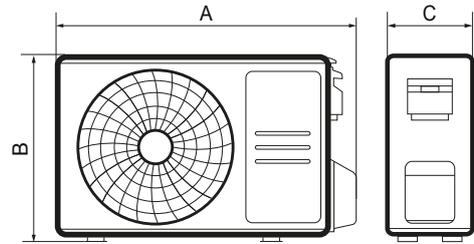
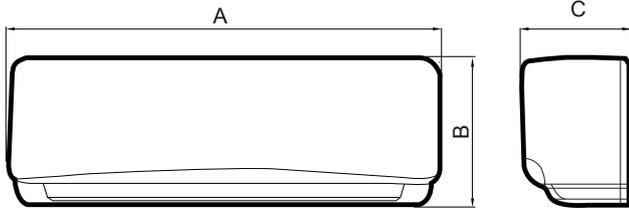
- Quiet operation: only 26 dB (A) at minimum speed
- Exceptional cooling performance, this range guarantees excellent performance even with outside temperatures up to 50 ° C.
- Self-cleaning function with 24 h timer function
- Follow Me function and 3D effect ventilation with air flow both on the vertical and horizontal axis
- Mono-multisplit compatible
- WiFi Smart kit as standard
- Super ionizer function and standard Silver Ion filter
- New ECO function with automatic temperature regulation
- GOLD TECH heat exchanger with golden effect surface treatment guarantees high resistance to oxidation and corrosion
- SUN uses a powerful compressor to generate a strong flow of fresh air for your immediate comfort
- SUN also works well at external air temperatures up to 50 ° C, with a production capacity of 100%, to ensure uninterrupted cooling performance.

SUN MONO DC INVERTER

MODELL		COOLING POWER kW	THERMAL POWER kW	€
SUN 9 MONO DC INVERTER INDOOR UNIT	cod. 64000000	2,64 (1,02÷3,19)	2,93 (0,82÷3,36)	504,00
9 MONO DC INVERTER OUTDOOR UNIT	cod. 66440105R			572,00
SUN 12 MONO DC INVERTER INDOOR UNIT	cod. 64000001	3,52 (0,82÷4,16)	3,81 (1,08÷4,2)	571,00
12 MONO DC INVERTER OUTDOOR UNIT	cod. 66430105R			599,00
SUN 18 MONO DC INVERTER INDOOR UNIT	cod. 64000012	5,28 (3,39÷5,89)	5,42 (3,10÷5,84)	794,00
18 MONO DC INVERTER OUTDOOR UNIT	cod. 66490105R			1.105,00
SUN 24 MONO DC INVERTER INDOOR UNIT	cod. 64000015	6,27 (2,11÷8,20)	6,71 (1,55÷8,20)	955,00
24 MONO DC INVERTER OUTDOOR UNIT	cod. 66520105R			1.571,00

SUN MONO DC INVERTER

Air conditioner mono R32 - 3D DC with standard Wi-Fi



	A	B	C	kg
	mm	mm	mm	
SUN 9 MONO DC INVERTER U.I.	722	290	187	7,3
SUN 12 MONO DC INVERTER U.I.	802	297	189	8,2
SUN 18 MONO DC INVERTER U.I.	965	319	215	10,8
SUN 24 MONO DC INVERTER U.I.	1080	335	226	12,9

	A	B	C	kg
	mm	mm	mm	
SUN 9 DC INVERTER UE	720	495	270	23,2
SUN 12 DC INVERTER UE	720	495	270	23,2
SUN 18 DC INVERTER UE	805	554	330	33,5
SUN 24 DC INVERTER UE	890	673	324	43,9

TECHNICAL DATA	UM	SUN 9 MONO	SUN 12 MONO	SUN 18 MONO	SUN 24 MONO
Cooling power	kW	2,64 (1,02÷3,19)	3,52 (0,82÷4,16)	5,28 (3,39÷5,89)	6,27 (2,11÷8,20)
Absorbed power	kW	0,74 (0,07÷1,23)	1,08 (0,05÷1,60)	1,55 (0,56÷2,05)	1,94 (0,42÷3,20)
Current consumption	A	4,95 (0,3÷5,3)	5,10 (0,2÷6,9)	6,7 (2,4÷9,0)	10,9 (1,8÷13,9)
S.E.E.R		7,1 A++	7,0 A++	7,0 A++	6,5 A++
Thermal power	kW	2,93 (0,82÷3,36)	3,81 (1,08÷4,2)	5,42 (3,10÷5,84)	6,71 (1,55÷8,20)
Absorbed power	kW	0,78 (0,12÷1,20)	1,02 (0,10÷1,68)	1,46 (0,78÷2,00)	1,80 (0,30÷3,10)
Current consumption	A	3,5 (0,5÷5,2)	3,66 (0,4÷6,9)	6,5 (3,4÷8,7)	9,3 (1,3÷13,5)
S.C.O.P. Mid-range		4,0 A+	4,1 A+	4,0 A+	4,0 A+
S.C.O.P. Warm band		5,3 A+++	5,0 A+++	5,0 A+++	5,0 A+++
Compressor		Rotary	Rotary	Rotary	Rotary
Alimentazione		230/1/50Hz	230/1/50Hz	230/1/50Hz	230/1/50Hz
Air flow	m ³ /h	416/309/230	584/477/395	730/500/420	1020/830/640
Sound level indoor unit	dB(A)	39/32/26	39/32/26	43/33,5/28	47/41,5/30,5
Sound level outdoor unit	dB(A)	64	65	65	67
Outdoor temperature*	°C	-15 / +50	-15 / +50	-15 / +50	-15 / +50
Quantity refrigerant	g	550	550	1100	1450
Piping length	m	≤ 25	≤ 25	≤ 30	≤ 30
Dislevel units	m	≤ 10	≤ 10	≤ 20	≤ 20
Gas connections		3/8"	3/8"	1/2"	5/8"
Liquid connections		1/4"	1/4"	1/4"	3/8"

Operating limits

Cooling test conditions: int. 27 °C d.b. / 19.5 °C wb - East. 35 °C d.b. / 24 °C wb

Heating test conditions: int. 20 °C db - Exst. 7 °C d.b. / 6 °C wb