

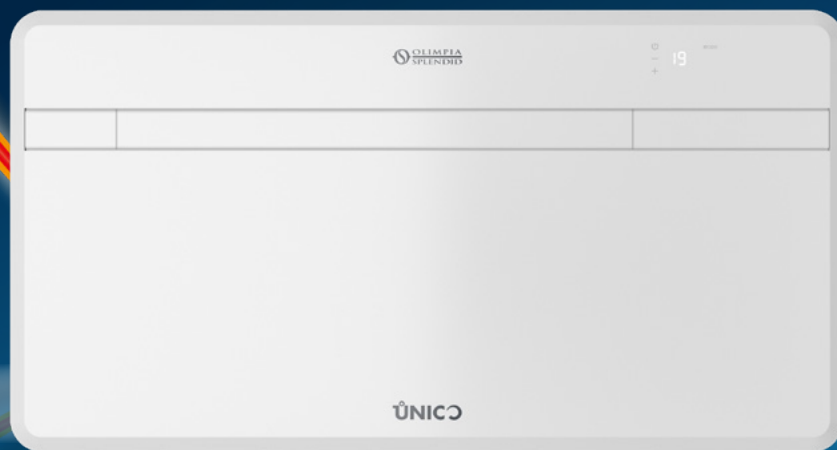


ITALIAN  
COMPANY  
SINCE 1956

# UNICO NEXT

THE EVOLUTION OF HEAT PUMP AIR CONDITIONERS WITHOUT OUTDOOR UNIT

COME INTO  
THE FUTURE  
OF COMFORT



 **OLIMPIA  
SPLENDID**  
HOME OF COMFORT



HEAT PUMP AIR  
CONDITIONER

# WITHOUT OUTDOOR UNIT

## UNICO NEXT

is the air conditioner that provides maximum indoor comfort with minimal architectural and environmental impact.

### **On the façade or terrace:**

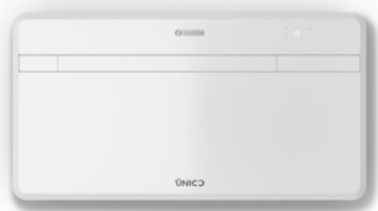
no outdoor unit, just 2 holes that preserve the beauty of buildings and cities.

### **What about indoors?**

The ideal comfort in every season, sustainable and efficient, thanks to the full electric heat pump technology and the R290 natural refrigerant.

THE COMFORT  
OF THE FUTURE

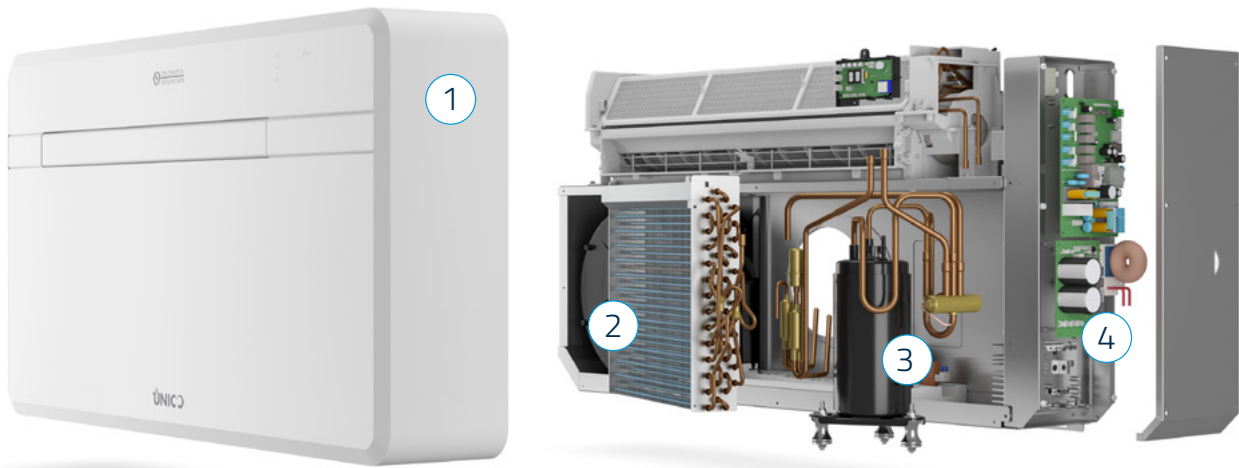
# IS ALREADY HERE



Unico Next is the evolution of heat pump air conditioners without outdoor unit.

A next-generation technology based on a refrigeration circuit with R290 refrigerant and a rationalized, easy-maintenance design that is home to a mix of elements whose strength is their perfect synchronization.

Unico Next's innovative *Sync Power System* allows increasing the efficiency and quietness of the Twin Rotary compressor and the latest generation electronics. Superior comfort, from every point of view.



## HIGH EFFICIENCY

Thanks to the *Sync Power System* and the optimisation of all components, Unico Next is more efficient in all operating conditions.

## ONLY 30 DB(A) IN SILENT MODE

The Twin Rotary compressor and the latest generation electronics are synchronized to achieve the best acoustic comfort under any operating condition.

At low frequencies, Unico Next is thus the most silent range of Unico ever. With the Silent Mode function on, it reaches a maximum of 30 dB(A) sound pressure, even when the compressor is running.

**Feel the comfort, enjoy the silence.**

- RATIONALIZED AND OPTIMIZED INTERNAL LAYOUT
- ① TOTAL FLAT MONOBLOC DESIGN
- ② R290 REFRIGERATION CIRCUIT WITH 5MM BATTERIES
- ③ LOW-VIBRATION TWIN ROTARY COMPRESSOR
- ④ NEW GENERATION ELECTRONICS, PROGRAMMABLE FOR COOLING-ONLY OR HEAT PUMP VERSIONS

## FEEL THE COMFORT

# ENJOY THE SILENCE

Acoustics is a fundamental element of indoor well-being, and the quietness of a product is therefore an integral part of its comfort promise. However, the relationships between sound stimuli and auditory sensations generated in humans cannot be described by power or sound pressure data.

A product's ability to respect the tranquillity of the home depends on four main psychoacoustic quantities, which are perfectly described by the Psychoacoustic Annoyance Index.



**Loudness:** subjective perception of the intensity of a sound.



**Roughness:** sensation caused by the modulation of the intensity of a sound at frequencies too high to be distinguished separately.

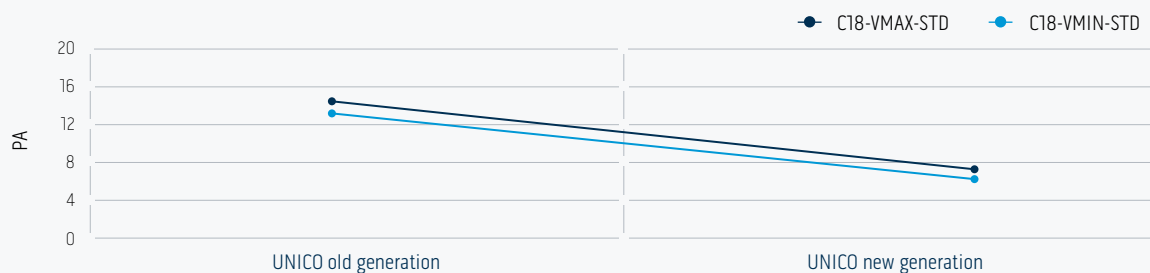


**Fluctuation strength:** sensation caused by the modulation of the intensity of a sound at frequencies so low that they are individually distinguishable.



**Sharpness:** sensation caused by the presence of high-frequency components in a sound.

Tests on Product Sound Quality, developed in collaboration with the ACQUVI research group (Acoustics, Vibration, and Multisensory Interactions) of the University of Campania 'Luigi Vanvitelli', have shown how Unico Next reduces perceived noise annoyance (PA Index) by up to 49%\* compared to previous heat pump air conditioners without outdoor unit. The new generation of Unico is thus scientifically quieter.



\*test condition: cooling operation with setpoint at 18°C, at minimum and maximum speed.

# COMFORT

ALWAYS

## UNDER CONTROL

Unico Next heat pump air conditioner without outdoor unit has also seen an evolution in the command technology with the aim to improve both user experience and remote assistance. Thanks to the new RS485 port and integrated Wi-Fi, they can be more easily controlled, both from inside and outside the home.

### ONBOARD TOUCH DISPLAY OR REMOTE CONTROL

Onboard backlit display with touch controls and full digital remote control.

### HOME AUTOMATION

Through the RS485 port for air conditioner control via external BMS using Modbus RTU protocol, Unico Next can be connected to home automation.

### FROM A SMARTPHONE WITH THE OS HOME APP

By downloading the app from Apple and Android stores, you can check the room temperature, set the main modes, program the on and off timers. But also create operating synergies between different Olimpia Splendid devices and improve remote assistance.

**Everything is simpler.**





# THE COMFORT THAT RESPECTS THE PLANET

Air conditioner installation height

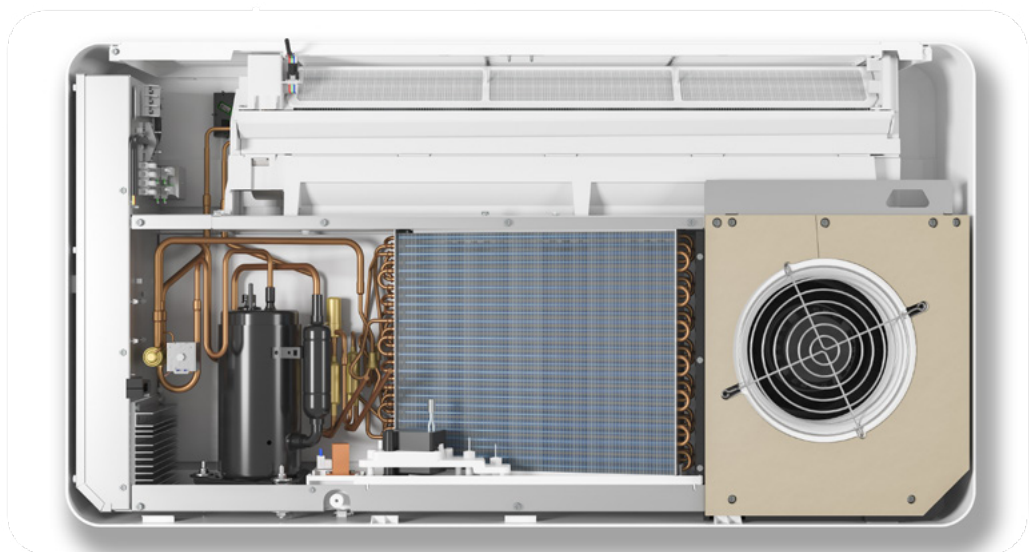
		0,6m	1,0m	1,8m	2,2m
Refrigerant charge	<152 g	No restrictions	No restrictions	No restrictions	No restrictions
	153 g	37 m <sup>2</sup>	13 m <sup>2</sup>	4 m <sup>2</sup>	3 m <sup>2</sup>
	220 g	76 m <sup>2</sup>	28 m <sup>2</sup>	8 m <sup>2</sup>	6 m <sup>2</sup>
	290 g	133 m <sup>2</sup>	48 m <sup>2</sup>	15 m <sup>2</sup>	10 m <sup>2</sup>

Minimum floor areas for refrigerant R290  
(according to IEC 60335-2-40)

## THE NATURAL REFRIGERANT R290 WITH A NEAR-TO-ZERO GWP

With the aim of making sustainable comfort a standard within everyone's reach, an innovative refrigeration circuit with 5mm batteries has been designed, allowing up to 2.5 kW of cooling power to be achieved with a refrigerant charge below the limit of 152 g, as prescribed by regulations.

**Unico Next can thus be installed in all environments, without minimum limits of floor area and installation height.**





## PRODUCED WITH 100% RENEWABLE ENERGY

Unico Next is manufactured in Italy at Olimpia Splendid's smart factory: a facility specialized in the production of heat pump air conditioners without outdoor unit, powered 100% by electricity from renewable sources and characterized by high levels of automation and efficiency.

**Sustainable,  
since birth.**



## PACKAGED IN FSC CARDBOARD, RECYCLABLE AND PLASTIC-FREE

The rigorous selection of materials also extends to packaging. The packaging of Unico Evo is made of FSC® certified cardboard (sourced from forests managed fairly and responsibly according to strict environmental, social, and economic standards), 100% recyclable and 98% plastic-free. And the manuals? Digital and easily accessible via a QR code.

**Small, significant choices  
to respect our Planet.**





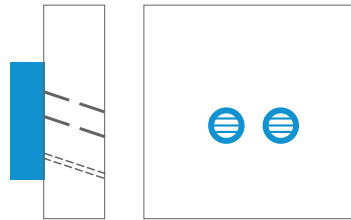
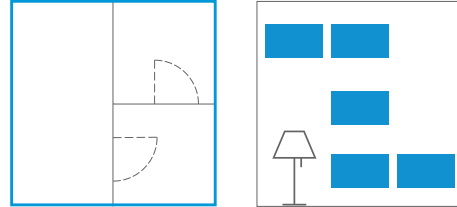
# INSTALLATION

## ANYWHERE ALONG THE PERIMETER, HIGH OR LOW

Unico Next can be installed anywhere along the entire perimeter of the house, near the floor or ceiling, in the center of the wall, or in the corners of the room.

## OUTSIDE, ONLY 2 HOLES

For the operation of Unico, only two holes in the wall (200 mm) are necessary. For all heat pump versions, condensate drain is also required (except for units set for cooling-only operation during installation).



# FUNCTIONS



COOLING



HEATING



DEHUMIDIFICATION



VENTILATION



### ECO MODE

It saves energy by automatically optimising machine performance.



### AUTO MODE

It modulates operating parameters in relation to room temperature.



### SILENT MODE

To reduce the sound pressure level to 30 dB(A), set the compressor and fans to the lowest level.



### TIMER 24H

From the remote control or from the APP, two different on/off timers can be set.

# TECHNICAL DATA

		UNICO NEXT TO HP PVAN
	Code	02456
RAFFREDDAMENTO	Power (min/max)	1,0/2,5 kW
	Nominal capacity	2,1 kW
	Declared Energy Efficiency Ratio – EERd	2,6
	Energy Efficiency Class	A
RISCALDAMENTO	Power (min/max)	1,0/2,3 kW
	Nominal capacity	1,7 kW
	Declared Energy Efficiency Ratio – EERd	3,1
	Energy Efficient Class	A
	Internal sound pressure (min/max)	26/40 dB(A)
	Sound pressure level - Silent Mode	30 dB(A)
	Size (LxHxD)	1015x540x180 mm

Test conditions: data refer to standard EN14511 - HEATING MODE: Outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient temperature DB 20°C / WB 15°C – COOLING MODE: Outdoor ambient temperature DB 35°C / WB 24°C; indoor ambient temperature DB 27°C / WB 19°C  
 Sound pressure: test data declared in a semi-anechoic chamber at a distance of 2 m, minimum pressure in fan-only mode.



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Olimpia Splendid is an Italian company that, since 1956, has been designing, manufacturing and marketing products for Air Conditioning, Heating and Air Treatment. The Home of Comfort payoff describes our commitment to creating innovative, environmentally friendly products with an unmistakable Made in Italy design. Our goal is to satisfy, in every season, the needs of our customers worldwide. Comfort at Home is the result.

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