

INVERTER



Without outdoor unit

International Patent Pending



Incredibly quiet, highly performing.



Unico INVERTER DC

The first and only air conditioner without outdoor unit applying DC inverter technology. Great performance.

It delivers ideal warm-cool climate with AA energy efficiency level.

Noiseless operation with reduced consumption.



Design: King & Miranda

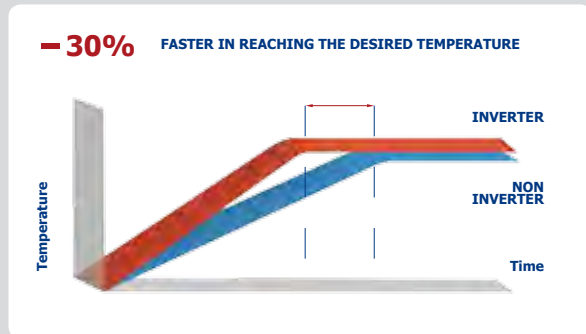
Olimpia Splendid technology DC Inverter

With Unico, Olimpia Splendid invented and perfected single-unit air conditioners with no outdoor unit, which now come in a complete range. Over the years, Unico has become an international success. With its new Unico Inverter DC, Olimpia Splendid has designed an air conditioner that has no match in terms of efficiency, consumption, performance and design. For the first time, DC inverter technology has been applied to an air conditioner without outdoor unit, and the results are extraordinary.

INVERTER technology

Unlike on-off systems, inverter units make it possible to reach the desired temperature rapidly and keep it constant, preventing sharp changes. Olimpia Splendid's Inverter DC machines guarantee noiseless operation and reduced consumption. Inverter technology ensures maximum efficiency and delivers optimal comfort while at the same time cutting costs.

The desired temperature in a shorter time



Room temperature stability

In addition to reaching the required temperature more quickly, Inverter technology enables better control of room temperature, whether cool or warm, reducing fluctuations to a minimum.

Two power ratings, four models, two with heat pump

A range of four models and two power ratings means you can find the right unit for every need.

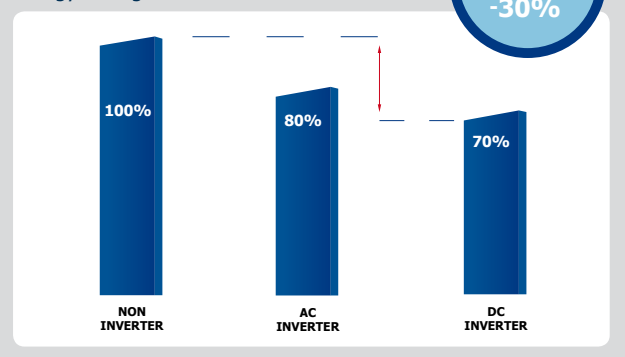
1. UNICO INVERTER DC 9 SF (cold only)
2. UNICO INVERTER DC 9 HP (with heat pump)
3. UNICO INVERTER DC 12 SF (cold only)
4. UNICO INVERTER DC 12 HP (with heat pump)

In Olimpia Splendid's inverter technology, the heat pump reaches very high efficiency levels, finding the perfect balance between perfect cooling and truly effective heating that you can use all through the winter and not only in moderately cold weather.

Greater efficiency, reduced consumption

DC Inverter technology optimizes efficiency and radically cuts consumption – up to 30% – in addition to ensuring perfectly regular operation, giving higher performance and maximum results with minimal costs. The ratio between power produced and energy used is among the best in the market. Unico Inverter DC air conditioners have been rated AA for energy efficiency.

Energy saving

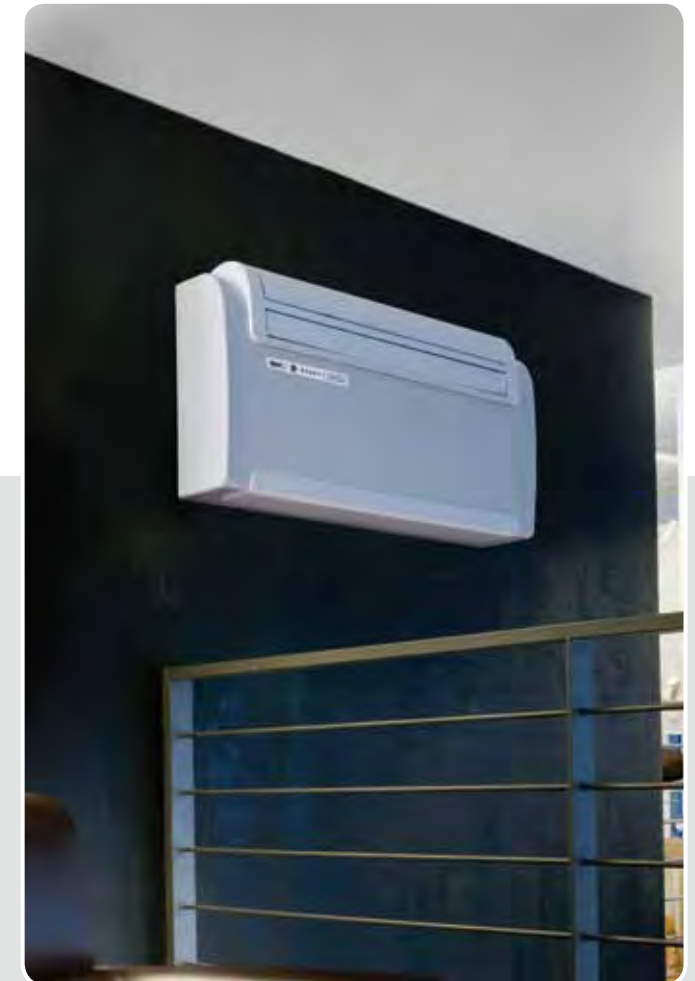


Higher performance

Olimpia Splendid's inverter system constantly checks the rotation speed of the variable-speed compressor in order to guarantee optimal performance under any condition, which means reaching the set temperature quickly and keeping it steady.

Low ambient control

Now Unico Inverter DC is suitable for cooling operation even when the outdoor temperature is as low as -10°C.



High comfort thanks to optimal air flow and distribution

Air flow and air distribution are key elements for achieving perfect comfort. Unico Inverter generates up to a maximum of 490 m³/h of air, which is distributed efficiently throughout the room thanks also to the large-sized flap (690x60 mm). This means reduced consumption with the same cooling/heating performance.



Now even more stylish with its unobtrusive design

The smartly styled Unico Inverter DC was designed by King and Miranda who have created an object that can blend into any decor, unobtrusively but also with character. A subtle and essential style that will suit any room.



Maintenance and filter cleaning now easier than ever

Unico Inverter DC has been developed to ensure maximum accessibility during maintenance operations: conceived as a modular unit, all its sections are separable and easy to reach. Filter cleaning is extremely simple. To access filters, simply lift the air flap lightly. Then just pull out the double filter and it is ready to be cleaned. Unico Inverter is fitted with two types of filters: an **electrostatic filter** which controls and eliminates small particles and emissions such as smoke, dust, pollen, animal hair to prevent allergic reactions, and an activated **carbon filter** which eliminates bad odours and inactivates any harmful gases.



Installation

Unico inverter DC has been designed and developed for low or high installation. Thanks to innovative technical features, a few minutes is all it takes to prepare the machine for either type of installation. The installation of the unit requires no outside work: this means no difficult procedures and reduced costs. The visual impact on the outside wall is minimal with only two small grilles installed (each 202 mm diameter).*



A



B

A. Installation on lower part of wall

B. Installation on higher part of wall

Perfectly noiseless

They say silence is golden. But it is even more precious when referred to an air conditioner installed inside a home. Quiet during the day, so it will not disturb daily activities. And, more importantly, at night, because silence is really the first condition for a good night sleep. Unico Inverter DC achieves unimaginably silent operation thanks to the exclusive latest-generation technology.

Sound level scale



DECIBEL	NOISE SOURCE
130	JET AIRCRAFT AT TAKEOFF
120	SIREN
110	ROCK CONCERT
100	GOODS TRAIN
90	HEAVY TRAFFIC
80	ALARM CLOCK
70	TELEPHONE, TELEVISION
60	NOISY OFFICE
50	CONVERSATION BETWEEN TWO PEOPLE
40	COUNTRYSIDE AT NIGHT
35	UNICO INVERTER DC
20/10	RUSTLING OF LEAVES

Note: the information is to be considered indicative (source ISPRRA)

New!
UNICO INVERTER 9 SF UNICO INVERTER 9 HP UNICO INVERTER 12 SF UNICO INVERTER 12 HP

		Cod. 01068	Cod. 01060	Cod. 01067	Cod. 01052
Cooling capacity (1) (min/nomin/max)	kW	1,4 / 2,3 / 2,7	1,4 / 2,3 / 2,7	1,8 / 2,7 / 3,1	1,8 / 2,7 / 3,1
Heating capacity (1) (min/nomin/max)	kW	—	1,4 / 2,4 / 2,7	—	1,8 / 2,7 / 3,0
Input power in cooling mode (1) (min/nomin/max)	W	460 / 850 / 1300	460 / 850 / 1300	580 / 1000 / 1400	580 / 1000 / 1400
Input power in heating mode (1) (min/nomin/max)	W	—	420 / 750 / 1200	—	530 / 840 / 1300
Annual power consumption in cooling mode (1)	kWh	425	425	500	500
Dehumidification capacity	l/h	1,0	1,0	1,1	1,1
Voltage/Frequency	V-F-Hz	230-1-50	230-1-50	230-1-50	230-1-50
E.E.R	—	2,70	2,70	2,70	2,70
C.O.P.	—	—	3,20	—	3,21
Energy efficiency class in cooling mode	—	A	A	A	A
Energy efficiency class in heating mode	—	—	A	—	A
Fan speed (internal/external)	—	3/4	3/4	3/4	3/4
Indoor air flow in cooling mode (max/med/min)	m ³ /h	490/430/360	490/430/360	490/430/360	490/430/360
Indoor air flow in heating mode (max/med/min)	m ³ /h	—	490/430/360	—	490/430/360
Outside air flow in cooling mode (max/min)	m ³ /h	520/350	520/350	520/350	500/340
Outside air flow in heating mode (max/min)	m ³ /h	—	520/350	—	500/340
Dimensions (W x H x D)	mm	902x506x229	902x506x229	902x506x229	902x506x229
Weight (without packing)	kg	39	39	39	39
Sound level	db (A) (min-max)	34-43	34-43	34-43	34-43
Diameter of holes in wall*	mm	202	202	202	202
Refrigerant gas/load	Tipo/kg	R410A/0,490	R410A/0,570	R410A/0,490	R410A/0,540

OPERATIONAL LIMITS

	Indoor temperature	Outdoor temperature
Operating temperature - max in cooling mode	DB 35°C - WB 24°C	DB 43°C - WB 32°C
Operating temperature - min in cooling mode	DB 18°C	DB -10°C
Operating temperature - max in heating mode	DB 27°C	DB 24°C - WB 18°C
Operating temperature - min in heating mode	—	DB -15°C

(1) The technical data are referred to EN 14511.

HP = heat pump

* Unico Inverter can easily replace previously installed Unico Star and Unico Sky models as they have the same distance between air inlet and outlet and because it is designed to also enable installation with 162 mm holes.