





**UNICO**

## **AIR CONDITIONERS WITHOUT OUTDOOR UNIT**

To keep your home beautiful  
outside and cool inside





## A complete range of solutions with no architectural impact.

### **Olimpia Splendid grid technology**

The external grilles, designed by Olimpia Splendid maximize the tradeoff between air flow and coil protection, ensuring the highest heat exchange coefficient and durability. Grids are also free of mechanical and electrical devices thereby reducing the risk of faults and system malfunction to zero.

### **-30% Inverter System**

Olimpia Splendid's variable speed compressor and inverter control ensure a constant adaptation of the cooling capacity to the ambient thermal load. Hence, up to 30% of energy can be saved.





**UNICO has been made in Italy by Olimpia Splendid since 1998, a warranty of quality and experience**



### **Good Design Award**

Founded in Chicago in 1950, GOOD DESIGN is the oldest internationally recognized competition for design excellence.

### **Slim design: 16 cm**

Olimpia Splendid patented technology allows to build in a single unit what is traditionally divided in two: the compressor placed outside and the fan placed in the room to be cooled. Today all of UNICO's technology can be found in a thickness of only 16 cm.



### **Silent technology: 27 dB**

With the latest generation sound absorbing and anti-vibration materials UNICO is a machine that ensures the lowest noise levels in its category. Noise is reduced down to 27 dB.





## Wi-Fi Unico



### EASY INSTALLATION

First installation facilitated via Bluetooth connection; this allows to save time and makes installation independent from the Wi-Fi.



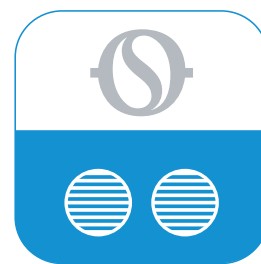
### DUAL MANAGEMENT

Possibility of managing the terminal in both bluetooth mode and in Wi-Fi mode. Bluetooth is recommended especially for the homes where there is no Wi-Fi network. (second homes for example).



### CLOUD

Remote connection (away from home) via Cloud (3G or 4G smartphone network). The connection with Cloud does not require configuration of the router.



The Olimpia Splendid application to control and set your Unico locally or in remote mode. Available for Download on Apple Store and Google Play



## FEATURES

### KIT UNICO WIFI (B1015):

- Simple installation, to be performed only by qualified staff

### APP UNICO WI-FI:

- Available for iPhone, iPad, iPod with IOS 9.0 Operating System or later versions
- Available for Android smartphones with Android 4.4 Operating System or later versions
- Possibility of managing air conditioners via Wi-Fi and bluetooth
- Management of air conditions also when away from home
- Free access to the app without any identification needed
- The password associated to the specific kit is required to add the air conditioner to the app.
- Association of the air conditioner to the app via Bluetooth connection
- All modes can be set: Heating, Cooling, Dehumidification, ventilation only, automatic
- "Special" functions can be set: Vertical swing
- Environment temperature display
- Weekly timer with 2 time periods. Programming with different time, method and set point for each period for every day
- Machine alarms display on the home-page of the individual air conditioner and recording in the log
- Available in Italian, English, French, Spanish and German

### UPPER CASE:

- Verification of the strength of the Wi-Fi signal detected by the board
- Service: for display/modification of the machine variables and parameters
- Guide: direct access to Help in language set
- Presence contact management: air conditioner disabled if the contact is opened and re-enabled on closure.
- The air conditioners installed are linked to the individual app on the telephone: if the telephone is changed, all the air conditioners must be re-installed












## MODELS COMPATIBILITY TABLE

| MODEL                                  | COMPATIBILITY |
|--|---------------|
| Unico Air 8 SF/HP                      | x             |
| Unico Air Inverter 8 SF/HP             | x             |
| Unico Air Inverter 10 SF C/HP          | x             |
| Unico Air Recessed 8 SF/HP             | x             |
| Unico Air Inverter Recessed 8 SF/HP    | x             |
| Unico Air Inverter Recessed 10 SF C/HP | x             |
| Unico Smart 10 SF/HP                   | x             |
| Unico Smart 12 SF/HP                   | x             |

| MODEL                       | COMPATIBILITY |
|-----------------------------|---------------|
| Unico Inverter 12 SF/HP     | x             |
| Unico Pro Inverter 12 HP A+ | x             |
| Unico Pro Inverter 14 HP    | x             |
| Unico Tower Inverter 12 HP  | x             |
| Unico Twin                  | -             |
| Unico Easy SF/HP            | -             |
| Unico Boiler                | -             |
| Unico R                     | x             |



# Range

|          | AC motor   |   | DC motor  |   |  |
|----------|--|---|---|---|--|
| MONO     | <br><b>Unico Air</b>          | <br><b>Unico Smart and Unico R</b> | <br><b>Unico Air Inverter</b>          | <br><b>Unico Inverter</b> | <br><b>Unico Pro Inverter</b> |
| RECESSED | <br><b>Unico Air Recessed</b> |   | <br><b>Unico Air Inverter Recessed</b> |   |  |
| MULTI    | <br><b>Unico Twin</b>         | <br><b>Unico Boiler</b>            |   |   |  |
| CONSOLE  | <br><b>Unico Easy</b>        |   |   |   |  |
| TOWER    |  |   | <br><b>Unico Tower</b>               |   |  |

## Installation note

By maintaining the same center to center distance of inlet and outlet holes, every model in the Unico range can easily substitute previously installed ones.

|   | CODE         | DESCRIPTION   |
|---|--------------|---|
|    | <b>B1015</b> | <b>KIT UNICO Wi-Fi</b><br>Additional kit compatible on the entire Unico range (see compatibility table)   |
|    | <b>B1014</b> | <b>SERIAL INTERFACE FOR UNICO</b><br>Interface for receiving wireless commands (desired temperature, fan speed, air flap operation and air circulation operation) or by contact (cooling or heating mode operation, fan speed). Presence contact input or Sleep mode. Alarm output in case of malfunction.<br><br>Compatible with all models (excluding Unico Twin, Boiler, Easy SF). |
|    | <b>B1012</b> | <b>WIRELESS WALL CONTROL FOR UNICO</b><br>Wall controller with battery power, for sending wireless commands (desired temperature, fan speed, air deflector function.)<br><br>Compatible with all models (excluding Unico Twin, Boiler, Easy SF).  |
|    | <b>B0776</b> | <b>CLOSING PANEL FOR RECESSED STRUCTURE</b><br>Designed to completely camouflage the product in the building's architecture, only compatible with UNICO AIR models.   |
|  | <b>B0775</b> | <b>RECESSED FORMWORK KIT</b><br>Provided for quick installation and already prepared with holes for the product's installation, only compatible with UNICO AIR models.  |
|  | <b>B0565</b> | <b>INSTALLATION KIT FOR 200mm HOLES</b><br>Installation kit for Unico (installation template 1: 1 scale, support bracket, universal PP sheets, internal torque flanges Ø 200 mm, pair of external folding grid Ø 200 mm, torque caps). (Not compatible with Unico Easy)   |
|  | <b>B0564</b> | <b>INSTALLATION KIT</b><br>Internal torque flanges Ø 160 mm, pair of external folding grid Ø 160 mm, torque caps.   |
|  | <b>B0620</b> | <b>HEATING CABLE UNICO KIT</b><br>Heating cable, prevents the formation of ice in the condensation dispersal basin.   |
|  | <b>B0753</b> | <b>200 mm RAIN COVER KIT</b><br>Rain cover kit to be installed on the outside wall to protect the holes (for installations in extreme weather conditions). Designed for Ø 200 mm grid.  |



# UNICO<sup>®</sup> AIR

The thinnest and quietest air-conditioner without outdoor unit ever.

Italian design by:

**SFD**

Sara Ferrari Design



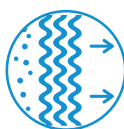
## SILENT SYSTEM

Up to 10% quieter at minimum speed. Sound pressure only 27 dB (A) \*



## SLIM DESIGN

All Unico's technology in just 16 cm thickness.



## PURE SYSTEM 2

A multi-filtering system which combines an electrostatic filter (which eliminates small particles such as smoke, dust, pollen and pet hair, helping to prevent the insurgence of allergic reactions) with an activated carbon filter (which eliminates bad odors and inactivates any harmful gas).



## HEAT PUMP

Heat pump air conditioner. Thanks to this feature you you can replace or support traditional heating in intermediate seasons.

## FEATURES

Capacity: 1,8 kW

Available in versions: SF (Cooling only) - HP (Heat Pump)

Double Class

Refrigerant gas R410A\*\*

Installation versatility: top or bottom wall

Easy installation: Unico can be installed from the inside in a few minutes

Wireless wall control (Optional)

Large flap for even distribution of air in the room

Multifunction remote control

24 hour Timer

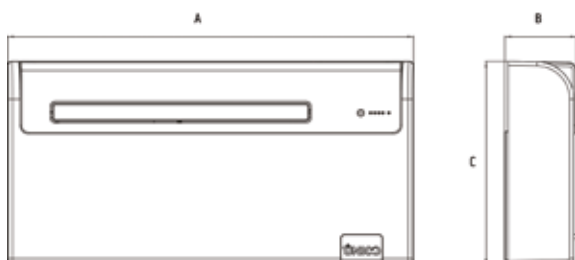
## FUNCTIONS

Fan only mode

Dehumidification only mode

Auto mode: changes parameters depending on ambient temperature.

Sleep mode: gradually increases the temperature set and ensures reduced noise for greater wellbeing at night.



| UNICO AIR |        |        |        |
|-----------|--------|--------|--------|
| A         | B      | C      | Weight |
| 978 mm    | 164 mm | 491 mm | 37 kg  |

\* Measurement in semi anechoic chamber at a distance of 2m away fan only.

\*\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

|  |         |           | Unico Air 8 SF  | Unico Air 8 HP  |
|--|---------|-----------|---|---|
| PRODUCT CODE   |         |           | 01503   | 01504   |
| EAN CODE   |         |           | 8021183015034   | 8021183015041   |
| Cooling power (min/max)                                    |         | kW        | -   | -   |
| Heating power (min/max)                                    |         | kW        | -   | -   |
| Nominal cooling capacity (1)                               | P rated | kW        |    |    |
| Nominal heating capacity (1)                               | P rated | kW        | -   |    |
| Nominal power consumption for cooling (1)                  | PEER    | kW        | 0,7   | 0,7   |
| Nominal absorption for cooling (1)                         |         | A         | 3,1   | 3,1   |
| Nominal power consumption for heating (1)                  | PCOP    | kW        | -   | 0,5   |
| Nominal absorption for heating (1)                         |         | A         | -   | 2,5   |
| Nominal energy efficiency index (1)                        | EERd    |           | 2,6   | 2,6   |
| Nominal efficiency coefficient (1)                         | COPd    |           | -   | 3,1   |
| Energy efficiency class in cooling (1)                     |         |           |    |    |
| Energy efficiency class in heating (1)                     |         |           | -   |    |
| Energy consumption in "thermostat off" mode                | PTO     |           | 14,0  | 14,0  |
| Energy consumption in "standby" mode (EN 62301)            | PSB     |           | 0,5   | 0,5   |
| Energy consumption for double pipe appliances (1) cooling  | QDD     | kWh/h     | 0,7   | 0,7   |
| Energy consumption for double pipe appliances (1) heating  | QDD     | kWh/h     | -   | 0,5   |
| Supply voltage   |         | V-F-Hz    | 230-1-50  | 230-1-50  |
| Supply voltage minimum/maximum                             |         | V         | 198 / 264   | 198 / 264   |
| Absorbed power in cooling mode (min/max)                   |         | kW        | -   | -   |
| Maximum absorption in cooling mode (min/max)               |         | A         | -   | -   |
| Absorbed power in heating mode (min/max)                   |         | kW        | 670   | -   |
| Maximum absorption in heating mode (min/max)               |         | A         | 3,10  | -   |
| Maximum power consumption with electric resistance heating |         | kW        | -   | -   |
| Maximum absorption with electric resistance heating        |         | A         | -   | -   |
| Dehumidification capacity                                  |         | l/h       | 0,6   | 0,6   |
| Air flow rate in cooling environment (max/med/min)         |         | m³/h      | 215/180/150   | 215/180/150   |
| Air flow rate in heating environment (max/med/min)         |         | m³/h      | -   | 215/180/150   |
| Air flow rate with electric resistance heating environment |         | m³/h      | -   | -   |
| External air flow rate in cooling (max/min)                |         | m³/h      | 380   | 380   |
| External air flow rate in heating (max/min)                |         | m³/h      | -   | 380   |
| Internal ventilation speed                                 |         |           | 3   | 3   |
| External ventilation speed                                 |         |           | 1   | 1   |
| Diameter wall holes  |         | mm        | 162   | 162   |
| Electric resistance heating                                |         |           | -   | -   |
| Maximum range remote control (distance / angle)            |         | m / °     | 8 / ±80°  | 8 / ±80°  |
| Dimensions ( W x H x D ) (without packaging)               |         | mm        | 978 x 491 x 164   | 978 x 491 x 164   |
| Dimensions ( W x H x D ) (with packaging)                  |         | mm        | 1060 x 595 x 250  | 1060 x 595 x 250  |
| Weight (without packaging)                                 |         | kg        | 37  | 37  |
| Weight (with packaging)                                    |         | kg        | 41  | 41  |
| Internal sound pressure (Min Max) (2)                      |         | dB(A)     |  |  |
| Internal sound power level (EN 12102)                      | LWA     | dB(A)     | 53  | 53  |
| Degree of protection provided by covers                    |         |           | IP 20   | IP 20   |
| Refrigerant gas*   |         | Type      | R410A   | R410A   |
| Global warming potential                                   | GWP     | kgCO2 eq. | 2088  | 2088  |
| Refrigerant gas charge                                     |         | kg        | 0,47  | 0,47  |
| Maximum operating pressure                                 |         | MPa       | 3,70  | 3,70  |
| Power cable (N° pole x section mm2)                        |         |           | 3 x 1,5   | 3 x 1,5   |

#### LIMITS OF OPERATING CONDITIONS

|                             |                                |                   |
|-----------------------------|--------------------------------|-------------------|
| Indoor Ambient Temperature  | Maximum temperature in cooling | DB 35°C - WB 24°C |
|                             | Minimum temperature in cooling | DB 18°C           |
|                             | Maximum temperature in heating | DB 27°C           |
|                             | Minimum temperature in heating | -                 |
| Outdoor Ambient Temperature | Maximum temperature in cooling | DB 43°C - WB 32°C |
|                             | Minimum temperature in cooling | DB -10°C          |
|                             | Maximum temperature in heating | DB 24°C - WB 18°C |
|                             | Minimum temperature in heating | DB -15°C          |

(1) Test condition: data refers to regulation EN14511 - HEATING MODE: outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C.

(2): Data test declaration in semianechoic room at a distance of 2m, minimum sound pressure with ventilation only.

- By maintaining the same center to center distance of inlet and outlet holes and the possibility of installation with 162 mm diameter holes, models in the Unico Smart, Unico Inverter and Unico Act range may easily substitute previously installed Unico Star and Unico Sky models.

\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

\*\* Outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C

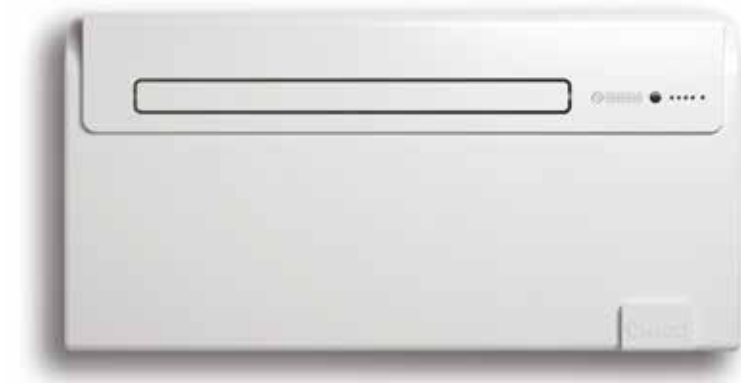


# UNICO® AIR INVERTER

The thinnest and quietest air-conditioner without outdoor unit. Today, inverter.

Italian design by:

**SFD**  
Sara Ferrari Design



## OLIMPIA SPLENDID INVERTER SYSTEM

Olimpia Splendid's variable speed compressor and inverter control ensure a constant adaptation of the cooling capacity to the ambient thermal load



## SILENT SYSTEM

Up to 10% quieter at minimum speed. Sound pressure only 27 dB (A) \*



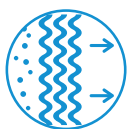
## SLIM DESIGN

All Unico's technology in just 16 cm thickness.



## HEAT PUMP

Heat pump air conditioner. Thanks to this feature you can replace or support traditional heating in intermediate seasons.



## PURE SYSTEM 2

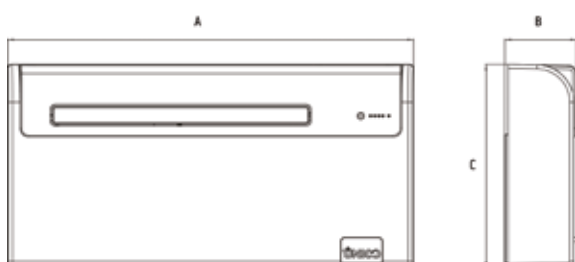
A multi-filtering system which combines an electrostatic filter (which eliminates small particles such as smoke, dust, pollen and pet hair, helping to prevent the insurgence of allergic reactions) with an activated carbon filter (which eliminates bad odors and inactivates any harmful gas).

## FEATURES

Two capacity versions Max: 2,16 kW and 2,75 kW  
Available in versions: SF (Cooling only) - HP (Heat Pump)  
Double class   
Refrigerant gas R410A\*\*  
Installation versatility: top or bottom wall  
Easy installation: Unico can be installed from the inside in a few minutes  
Wireless wall control (Optional)  
Large flap for even distribution of air in the room  
Multifunction remote control  
24 hour Timer

## FUNCTIONS

**Economy mode:** allows energy saving by automatically optimizing the machine's performance  
**Fan only mode**  
**Dehumidification only mode**  
**Auto mode:** changes parameters depending on ambient temperature.  
**Sleep mode:** gradually increases the temperature set and ensures reduced noise for greater wellbeing at night.
















| UNICO AIR INVERTER 8 |        |        |        |
|----------------------|--------|--------|--------|
| A                    | B      | C      | Weight |
| 978 mm               | 160 mm | 491 mm | 37 kg  |

| UNICO AIR INVERTER 10 |        |        |        |
|-----------------------|--------|--------|--------|
| A                     | B      | C      | Weight |
| 978 mm                | 160 mm | 500 mm | 39 kg  |

\* Measurement in semi anechoic chamber at a distance of 2m away fan only.

\*\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

|  |         |           | Unico Air Inverter 8SF  | Unico Air Inverter 8HP  | Unico Air Inverter 10 SF C  | Unico Air Inverter 10HP   |
|--|---------|-----------|---|---|---|---|
| PRODUCT CODE   |         |           | 01601   | 01600   | 01997   | 01802   |
| EAN CODE   |         |           | 8021183016017   | 8021183016000   | 8021183019971   | 8021183018028   |
| Cooling power (min/max)  |         | kW        | 1,2/2,16  | 1,2/2,16  | 1,2/2,75  | 1,2/2,75  |
| Heating power (min/max)  |         | kW        | -   | 1,1/2,04  | -   | 1,1/2,40  |
| Nominal cooling capacity (1)                                       | P rated | kW        |  1,8     |  1,8     |  2,3     |  2,3     |
| Nominal heating capacity (1)                                       | P rated | kW        | -   |  1,7     | -   |  2,0     |
| Nominal power consumption for cooling (1)                          | PEER    | kW        | 0,7   | 0,7   | 0,9   | 0,9   |
| Nominal absorption for cooling (1)                                 |         | A         | 3,1   | 3,1   | 3,9   | 3,9   |
| Nominal power consumption for heating (1)                          | PCOP    | kW        | -   | 0,5   | -   | 0,6   |
| Nominal absorption for heating (1)                                 |         | A         | -   | 2,5   | -   | 2,9   |
| Nominal energy efficiency index (1)                                | EERd    |           | 2,6   | 2,6   | 2,6   | 2,6   |
| Nominal efficiency coefficient (1)                                 | COPd    |           | -   | 3,1   | -   | 3,1   |
| Energy efficiency class in cooling (1)                             |         |           |          |          |          |          |
| Energy efficiency class in heating (1)                             |         |           | -   |          | -   |          |
| Energy consumption in "thermostat off" mode                        | PTO     |           | 12,5  | 12,0  | 12,0  | 12,0  |
| Energy consumption in "standby" mode (EN 62301)                    | PSB     |           | 0,5   | 0,5   | 0,5   | 0,5   |
| Energy consumption for double pipe appliances (1) cooling function | QDD     |           | 0,7   | 0,7   | 0,9   | 0,9   |
| Energy consumption for double pipe appliances (1) heating function | QDD     | kWh/h     | -   | 0,5   | -   | 0,6   |
| Supply voltage   |         | V-F-Hz    | 230-1-50  | 230-1-50  | 230-1-50  | 230-1-50  |
| Supply voltage minimum/maximum                                     |         | V         | 198 / 264   | 198 / 264   | 198 / 264   | 198 / 264   |
| Maximum power consumption in cooling mode (1)                      |         | kW        | 0,4-0,76  | 0,4-0,76  | 0,4-0,91  | 0,4-0,91  |
| Maximum absorption in cooling mode (1)                             |         | A         | 1,8-4,1   | 1,8-4,1   | 1,8-4,1   | 1,8-4,1   |
| Maximum power consumption in heating mode (1)                      |         | kW        | -   | 0,3-0,75  | -   | 0,3-0,79  |
| Maximum absorption in heating mode (1)                             |         | A         | -   | 1,5-3,65  | -   | 1,5-3,65  |
| Maximum power consumption with electric resistance heating         |         | kW        | -   | -   | -   | -   |
| Maximum absorption with electric resistance heating                |         | A         | -   | -   | -   | -   |
| Dehumidification capacity  |         | l/h       | 0,6   | 0,6   | 0,8   | 0,8   |
| Air flow rate in cooling environment (max/med/min)                 |         | m³/h      | 235/180/150   | 235/180/150   | 235/180/150   | 235/180/150   |
| Air flow rate in heating environment (max/med/min)                 |         | m³/h      | -   | 190/170/150   | -   | 190/170/150   |
| Air flow rate with electric resistance heating environment         |         | m³/h      | -   | -   | -   | -   |
| External air flow rate in cooling (max/min)                        |         | m³/h      | 380 / 190   | 380 / 190   | 380 / 190   | 380 / 190   |
| External air flow rate in heating (max/min)                        |         | m³/h      | -   | 380 / 190   | -   | 380 / 190   |
| Internal ventilation speed   |         |           | 3   | 3   | 3   | 3   |
| External ventilation speed   |         |           | 2   | 2   | 2   | 2   |
| Diameter wall holes  |         | mm        | 162   | 162   | 162   | 162   |
| Electric resistance heating  |         |           | -   | -   | -   | -   |
| Maximum range remote control (distance / angle)                    |         | m / °     | 8 / ±80°  | 8 / ±80°  | 8 / ±80°  | 8 / ±80°  |
| Dimensions ( W x H x D ) (without packaging)                       |         | mm        | 978 x 491 x 164   | 978 x 500 x 164   | 978 x 500 x 164   | 978 x 500 x 164   |
| Dimensions ( W x H x D ) (with packaging)                          |         | mm        | 1060 x 595 x 250  | 1060 x 595 x 250  | 1060 x 595 x 250  | 1060 x 595 x 250  |
| Weight (without packaging)   |         | kg        | 37  | 37  | 39  | 39  |
| Weight (with packaging)  |         | kg        | 41  | 41  | 43  | 43  |
| Internal sound pressure (Min Max) (2)                              |         | dB(A)     |  27-38 |  27-38 |  27-38 |  27-38 |
| Internal sound power level (EN 12102)                              | LWA     | dB(A)     | 53  | 53  | 54  | 54  |
| Degree of protection provided by covers                            |         |           | IP 20   | IP 20   | IP20  | IP20  |
| Refrigerant gas*   |         | Type      | R410A   | R410A   | R410A reclaimed   | R410A   |
| Global warming potential   | GWP     | kgCO2 eq. | 2088  | 2088  | 2088  | 2088  |
| Refrigerant gas charge   |         | kg        | 0,37  | 0,37  | 0,36  | 0,36  |
| Maximum operating pressure   |         | MPa       | 4,20  | 4,20  | 4,20  | 4,20  |
| Power cable (N° pole x section mm2)                                |         |           | 3 x 1,5   | 3 x 1,5   | 3 x 1,5   | 3 x 1,5   |

LIMITS OF OPERATING CONDITIONS

|                             |                                |                   |
|-----------------------------|--------------------------------|-------------------|
| Indoor Ambient Temperature  | Maximum temperature in cooling | DB 35°C - WB 24°C |
|                             | Minimum temperature in cooling | DB 18°C           |
|                             | Maximum temperature in heating | DB 27°C           |
|                             | Minimum temperature in heating | -                 |
| Outdoor Ambient Temperature | Maximum temperature in cooling | DB 43°C - WB 32°C |
|                             | Minimum temperature in cooling | DB -10°C          |
|                             | Maximum temperature in heating | DB 24°C - WB 18°C |
|                             | Minimum temperature in heating | DB -15°C          |

(1) Test condition: data refers to regulation EN14511 - HEATING MODE: outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C.

(2) Data test declaration in semianechoic room at a distance of 2m, minimum sound pressure with ventilation only.

- By maintaining the same center to center distance of inlet and outlet holes and the possibility of installation with 162 mm diameter holes, models in the Unico Smart, Unico Inverter and Unico Act range may easily substitute previously installed Unico Star and Unico Sky models.

\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.



# UNICO® AIR RECESSED

The recessed air-conditioner without outdoor unit.



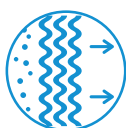
## SILENT SYSTEM

Up to 10% quieter at minimum speed. Sound pressure only 27 dB (A) \*



## HEAT PUMP

Heat pump air conditioner. Thanks to this feature you can replace or support traditional heating in intermediate seasons.



## PURE SYSTEM 2

A multi-filtering system which combines an electrostatic filter (which eliminates small particles such as smoke, dust, pollen and pet hair, helping to prevent the insurgence of allergic reactions) with an activated carbon filter (which eliminates bad odors and inactivates any harmful gas).



## SLIM DESIGN

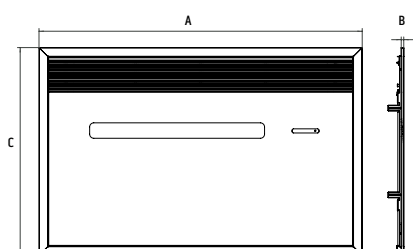
All Unico's technology in just 16 cm inside thickness and just 9mm thickness of the outside frame.

## FEATURES

Capacity: 1,8 kW  
Available in versions: SF (Cooling only) - HP (Heat Pump)  
Double Class   
Refrigerant gas R410A\*\*  
Installation versatility: top or bottom wall  
Easy installation: Unico can be installed from the inside in a few minutes  
Wireless wall control (Optional)  
Large flap for even distribution of air in the room  
Multifunction remote control  
24 hour Timer

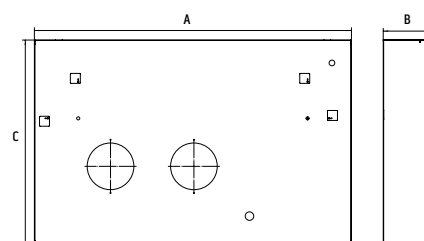
## FUNCTIONS

Fan only mode  
Dehumidification only mode  
Auto mode: changes parameters depending on ambient temperature.  
Sleep mode: gradually increases the temperature set and ensures reduced noise for greater wellbeing at night.




| B0776: RECESSED PANEL |      |        |
|-----------------------|------|--------|
| A                     | B    | C      |
| 1173 mm               | 9 mm | 754 mm |

| B0775: FORMWORK RECESSED |        |        |
|--------------------------|--------|--------|
| A                        | B      | C      |
| 1114 mm                  | 171 mm | 725 mm |



\* Measurement in semi anechoic chamber at a distance of 2m away fan only.

\*\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

|  |         |           | Unico Air 8 SF  | Unico Air 8 HP  |
|--|---------|-----------|---|---|
| PRODUCT CODE   |         |           | 01503   | 01504   |
| EAN CODE   |         |           | 8021183015034   | 8021183015041   |
| Cooling power (min/max)                                    |         | kW        | -   | -   |
| Heating power (min/max)                                    |         | kW        | -   | -   |
| Nominal cooling capacity (1)                               | P rated | kW        |    |    |
| Nominal heating capacity (1)                               | P rated | kW        | -   |    |
| Nominal power consumption for cooling (1)                  | PEER    | kW        | 0,7   | 0,7   |
| Nominal absorption for cooling (1)                         |         | A         | 3,1   | 3,1   |
| Nominal power consumption for heating (1)                  | PCOP    | kW        | -   | 0,5   |
| Nominal absorption for heating (1)                         |         | A         | -   | 2,5   |
| Nominal energy efficiency index (1)                        | EERd    |           | 2,6   | 2,6   |
| Nominal efficiency coefficient (1)                         | COPd    |           | -   | 3,1   |
| Energy efficiency class in cooling (1)                     |         |           |    |    |
| Energy efficiency class in heating (1)                     |         |           | -   |    |
| Energy consumption in "thermostat off" mode                | PTO     |           | 14,0  | 14,0  |
| Energy consumption in "standby" mode (EN 62301)            | PSB     |           | 0,5   | 0,5   |
| Energy consumption for double pipe appliances (1) cooling  | QDD     | kWh/h     | 0,7   | 0,7   |
| Energy consumption for double pipe appliances (1) heating  | QDD     | kWh/h     | -   | 0,5   |
| Supply voltage   |         | V-F-Hz    | 230-1-50  | 230-1-50  |
| Supply voltage minimum/maximum                             |         | V         | 198 / 264   | 198 / 264   |
| Maximum power consumption in cooling mode (1)              |         | kW        | -   | -   |
| Maximum absorption in cooling mode (1)                     |         | A         | -   | -   |
| Maximum power consumption in heating mode (1)              |         | kW        | -   | -   |
| Maximum absorption in heating mode (1)                     |         | A         | -   | -   |
| Maximum power consumption with electric resistance heating |         | KW        | -   | -   |
| Maximum absorption with electric resistance heating        |         | A         | -   | -   |
| Dehumidification capacity                                  |         | l/h       | 0,6   | 0,6   |
| Air flow rate in cooling environment (max/med/min)         |         | m³/h      | 215/180/150   | 215/180/150   |
| Air flow rate in heating environment (max/med/min)         |         | m³/h      | -   | 215/180/150   |
| Air flow rate with electric resistance heating environment |         | m³/h      | -   | -   |
| External air flow rate in cooling (max/min)                |         | m³/h      | 380   | 380   |
| External air flow rate in heating (max/min)                |         | m³/h      | -   | 380   |
| Internal ventilation speed                                 |         |           | 3   | 3   |
| External ventilation speed                                 |         |           | 1   | 1   |
| Diameter wall holes  |         | mm        | 162   | 162   |
| Electric resistance heating                                |         |           | -   | -   |
| Maximum range remote control (distance / angle)            |         | m / °     | 8 / ±80°  | 8 / ±80°  |
| Dimensions ( W x H x D ) (without packaging)               |         | mm        | 978 x 491 x 164   | 978 x 491 x 164   |
| Dimensions ( W x H x D ) (with packaging)                  |         | mm        | 1060 x 595 x 250  | 1060 x 595 x 250  |
| Weight (without packaging)                                 |         | Kg        | 37  | 37  |
| Weight (with packaging)                                    |         | kg        | 41  | 41  |
| Internal sound pressure (Min Max) (2)                      |         | dB(A)     |  |  |
| Internal sound power level (EN 12102)                      | LWA     | dB(A)     | 53  | 53  |
| Degree of protection provided by covers                    |         |           | IP 20   | IP 20   |
| Refrigerant gas*   |         | Type      | R410A   | R410A   |
| Global warming potential                                   | GWP     | kgCO2 eq. | 2088  | 2088  |
| Refrigerant gas charge                                     |         | kg        | 0,47  | 0,47  |
| Maximum operating pressure                                 |         | MPa       | 3,70  | 3,70  |
| Power cable (N° pole x section mm2)                        |         |           | 3 x 1,5   | 3 x 1,5   |

#### LIMITS OF OPERATING CONDITIONS

|                             |                                |                   |
|-----------------------------|--------------------------------|-------------------|
| Indoor Ambient Temperature  | Maximum temperature in cooling | DB 35°C - WB 24°C |
|                             | Minimum temperature in cooling | DB 18°C           |
|                             | Maximum temperature in heating | DB 27°C           |
|                             | Minimum temperature in heating | -                 |
| Outdoor Ambient Temperature | Maximum temperature in cooling | DB 43°C - WB 32°C |
|                             | Minimum temperature in cooling | DB -10°C          |
|                             | Maximum temperature in heating | DB 24°C - WB 18°C |
|                             | Minimum temperature in heating | DB -15°C          |

(1) Test condition: data refers to regulation EN14511 - HEATING MODE: outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C.

(2): Data test declaration in semianechoic room at a distance of 2m, minimum sound pressure with ventilation only.

- By maintaining the same center to center distance of inlet and outlet holes and the possibility of installation with 162 mm diameter holes, models in the Unico Smart, Unico Inverter and Unico Act range may easily substitute previously installed Unico Star and Unico Sky models.

\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

\*\* Outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C

# UNICO® AIR INVERTER RECESSED

The thinnest and quietest air-conditioner without outdoor unit.  
Today, inverter.



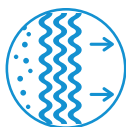
## OLIMPIA SPLENDID INVERTER SYSTEM

Olimpia Splendid's variable speed compressor and inverter control ensure a constant adaptation of the cooling capacity to the ambient thermal load



## HEAT PUMP

Heat pump air conditioner. Thanks to this feature you can replace or support traditional heating in intermediate seasons.



## PURE SYSTEM 2

A multi-filtering system which combines an electrostatic filter (which eliminates small particles such as smoke, dust, pollen and pet hair, helping to prevent the insurgence of allergic reactions) with an activated carbon filter (which eliminates bad odors and inactivates any harmful gas).



## SILENT SYSTEM

Up to 10% quieter at minimum speed. Sound pressure only  27 dB (A) \*




## SLIM DESIGN

All Unico's technology in just 16 cm inside thickness and just 9mm thickness of the outside frame.

## FEATURES

Two capacity versions Max: 2,16 kW and 2,75 kW

Available in versions: SF (Cooling only) - HP (Heat Pump)

Double class 

Refrigerant gas R410A\*\*

Installation versatility: top or bottom wall

Easy installation: Unico can be installed from the inside in a few minutes

Wireless wall control (Optional)

Large flap for even distribution of air in the room

Multifunction remote control

24 hour Timer

## FUNCTIONS

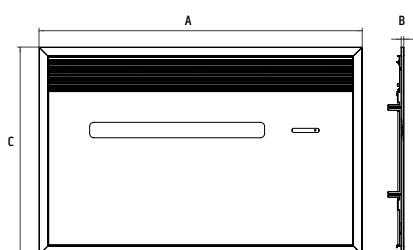
**Economy mode:** allows energy saving by automatically optimizing the machine's performance

**Fan only mode**

**Dehumidification only mode**

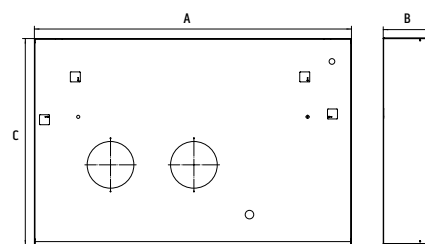
**Auto mode:** changes parameters depending on ambient temperature.

**Sleep mode:** gradually increases the temperature set and ensures reduced noise for greater wellbeing at night.



| B0776: RECESSED PANEL |      |        |
|-----------------------|------|--------|
| A                     | B    | C      |
| 1173 mm               | 9 mm | 754 mm |

| B0775: FORMWORK RECESSED |        |        |
|--------------------------|--------|--------|
| A                        | B      | C      |
| 1114 mm                  | 171 mm | 725 mm |



\* Measurement in semi anechoic chamber at a distance of 2m away fan only.

\*\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

|  |         |           | Unico Air Inverter<br>8SF | Unico Air Inverter<br>8HP | Unico Air Inverter<br>10 SF C | Unico Air Inverter<br>10HP |
|--|---------|-----------|---------------------------|---------------------------|-------------------------------|----------------------------|
| PRODUCT CODE   |         |           | 01601                     | 01600                     | 01997                         | 01802                      |
| EAN CODE   |         |           | 8021183016017             | 8021183016000             | 8021183019971                 | 8021183018028              |
| Cooling power (min/max)  |         | kW        | 1,2/2,16                  | 1,2/2,16                  | 1,2/2,75                      | 1,2/2,75                   |
| Heating power (min/max)  |         |           | -                         | 1,1/2,04                  | -                             | 1,1/2,40                   |
| Nominal cooling capacity (1)                                       | P rated | kW        | 1,8                       | 1,8                       | 2,3                           | 2,3                        |
| Nominal heating capacity (1)                                       | P rated | kW        | -                         | 1,7                       | -                             | 2,0                        |
| Nominal power consumption for cooling (1)                          | PEER    | kW        | 0,7                       | 0,7                       | 0,9                           | 0,9                        |
| Nominal absorption for cooling (1)                                 |         | A         | 3,1                       | 3,1                       | 3,9                           | 3,9                        |
| Nominal power consumption for heating (1)                          | PCOP    | kW        | -                         | 0,5                       | -                             | 0,6                        |
| Nominal absorption for heating (1)                                 |         | A         | -                         | 2,5                       | -                             | 2,9                        |
| Nominal energy efficiency index (1)                                | EERd    |           | 2,6                       | 2,6                       | 2,6                           | 2,6                        |
| Nominal efficiency coefficient (1)                                 | COPd    |           | -                         | 3,1                       | -                             | 3,1                        |
| Energy efficiency class in cooling (1)                             |         |           |                           |                           |                               |                            |
| Energy efficiency class in heating (1)                             |         |           | -                         |                           | -                             |                            |
| Energy consumption in "thermostat off" mode                        | PTO     |           | 12,0                      | 12,0                      | 12,0                          | 12,0                       |
| Energy consumption in "standby" mode (EN 62301)                    | PSB     |           | 0,5                       | 0,5                       | 0,5                           | 0,5                        |
| Energy consumption for double pipe appliances (1) cooling function | QDD     | kWh/h     | 0,7                       | 0,7                       | 0,9                           | 0,9                        |
| Energy consumption for double pipe appliances (1) heating function | QDD     | kWh/h     | -                         | 0,5                       | -                             | 0,6                        |
| Supply voltage   |         | V-F-Hz    | 230-1-50                  | 230-1-50                  | 230-1-50                      | 230-1-50                   |
| Supply voltage minimum/maximum                                     |         | V         | 198 / 264                 | 198 / 264                 | 198 / 264                     | 198 / 264                  |
| Maximum power consumption in cooling mode (1)                      |         | kW        | 0,4-0,76                  | 0,4-0,76                  | 0,4-0,91                      | 0,4-0,91                   |
| Maximum absorption in cooling mode (1)                             |         | A         | 1,8-4,1                   | 1,8-4,1                   | 1,8-4,1                       | 1,8-4,1                    |
| Maximum power consumption in heating mode (1)                      |         | kW        | -                         | 0,3-0,75                  | -                             | 0,3-0,79                   |
| Maximum absorption in heating mode (1)                             |         | A         | -                         | 1,5-3,65                  | -                             | 1,5-3,65                   |
| Maximum power consumption with electric resistance heating         |         | kW        | -                         | -                         | -                             | -                          |
| Maximum absorption with electric resistance heating                |         | A         | -                         | -                         | -                             | -                          |
| Dehumidification capacity  |         | l/h       | 0,6                       | 0,6                       | 0,8                           | 0,8                        |
| Air flow rate in cooling environment (max/med/min)                 |         | m³/h      | 235/180/150               | 235/180/150               | 235/180/150                   | 235/180/150                |
| Air flow rate in heating environment (max/med/min)                 |         | m³/h      | -                         | 235/180/150               | -                             | 190/170/150                |
| Air flow rate with electric resistance heating environment         |         | m³/h      | -                         | -                         | -                             | -                          |
| External air flow rate in cooling (max/min)                        |         | m³/h      | 380 / 190                 | 380 / 190                 | 380 / 190                     | 380 / 190                  |
| External air flow rate in heating (max/min)                        |         | m³/h      | -                         | 380 / 190                 | -                             | 380 / 190                  |
| Internal ventilation speed   |         |           | 3                         | 3                         | 3                             | 3                          |
| External ventilation speed   |         |           | 2                         | 2                         | 2                             | 2                          |
| Diameter wall holes  |         | mm        | 162                       | 162                       | 162                           | 162                        |
| Electric resistance heating  |         |           | -                         | -                         | -                             | -                          |
| Maximum range remote control (distance / angle)                    |         | m / °     | 8 / ±80°                  | 8 / ±80°                  | 8 / ±80°                      | 8 / ±80°                   |
| Dimensions ( W x H x D ) (without packaging)                       |         | mm        | 978 x 491 x 164           | 978 x 491 x 164           | 978 x 500 x 164               | 978 x 500 x 164            |
| Dimensions ( W x H x D ) (with packaging)                          |         | mm        | 1060 x 595 x 250          | 1060 x 595 x 250          | 1060 x 595 x 250              | 1060 x 595 x 250           |
| Weight (without packaging)   |         | Kg        | 37                        | 37                        | 39                            | 39                         |
| Weight (with packaging)  |         | Kg        | 41                        | 41                        | 43                            | 43                         |
| Internal sound pressure (Min Max) (2)                              |         | dB(A)     | 27-38                     | 27-38                     | 27-38                         | 27-38                      |
| Internal sound power level (EN 12102)                              | LWA     | dB(A)     | 53                        | 53                        | 54                            | 54                         |
| Degree of protection provided by covers                            |         |           | IP 20                     | IP 20                     | IP20                          | IP20                       |
| Refrigerant gas*   |         | Type      | R410A                     | R410A                     | R410A reclaimed               | R410A                      |
| Global warming potential   | GWP     | kgCO2 eq. | 2088                      | 2088                      | 2088                          | 2088                       |
| Refrigerant gas charge   |         | kg        | 0,37                      | 0,37                      | 0,36                          | 0,36                       |
| Maximum operating pressure   |         | MPa       | 4,20                      | 4,20                      | 4,20                          | 4,20                       |
| Power cable (N° pole x section mm2)                                |         |           | 3 x 1,5                   | 3 x 1,5                   | 3 x 1,5                       | 3 x 1,5                    |

#### LIMITS OF OPERATING CONDITIONS

|                                   |                                |                   |
|-----------------------------------|--------------------------------|-------------------|
| Indoor<br>Ambient<br>Temperature  | Maximum temperature in cooling | DB 35°C - WB 24°C |
|                                   | Minimum temperature in cooling | DB 18°C           |
|                                   | Maximum temperature in heating | DB 27°C           |
|                                   | Minimum temperature in heating | -                 |
| Outdoor<br>Ambient<br>Temperature | Maximum temperature in cooling | DB 43°C - WB 32°C |
|                                   | Minimum temperature in cooling | DB -10°C          |
|                                   | Maximum temperature in heating | DB 24°C - WB 18°C |
|                                   | Minimum temperature in heating | DB -15°C          |

(1) Test condition: data refers to regulation EN14511 - HEATING MODE: outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C.

(2) Data test declaration in semianechoic room at a distance of 2m, minimum sound pressure with ventilation only.

- By maintaining the same center to center distance of inlet and outlet holes and the possibility of installation with 162 mm diameter holes, models in the Unico Smart, Unico Inverter and Unico Act range may easily substitute previously installed Unico Star and Unico Sky models.

\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

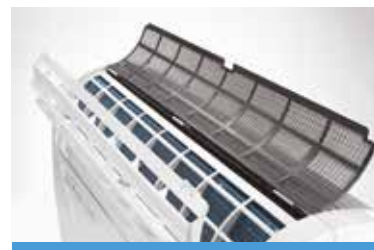
# UNICO<sup>®</sup> SMART

Italian design by:

KING & MIRANDA DESIGN  
design e architettura

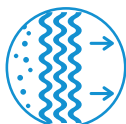


Up to 2,7 kW capacity. Designed for the air-conditioning of large spaces.



## HEAT PUMP

Heat pump air conditioner. Thanks to this feature you can replace or support traditional heating in intermediate seasons (only in HP version).



## PURE SYSTEM 2

A multi-filtering system which combines an electrostatic filter (which eliminates small particles such as smoke, dust, pollen and pet hair, helping to prevent the insurgence of allergic reactions) with an activated carbon filter (which eliminates bad odors and inactivates any harmful gas).

## FEATURES

Two capacity versions: 2,3 kW - 2,7 kW

Available in versions: SF (Cooling only) - HP (Heat Pump)

Double class **A**

Refrigerant gas R410A\*

Installation versatility: top or bottom wall

Easy installation: Unico can be installed from the inside in a few minutes

Wireless wall control (Optional)

Multifunction remote control

24 hour Timer

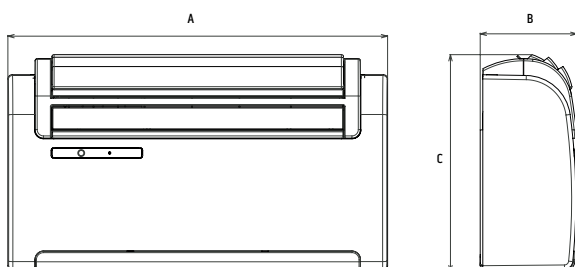
## FUNCTIONS

Fan only mode

Dehumidification only mode

Auto mode: changes parameters depending on ambient temperature.

















Sleep mode: gradually increases the temperature set and ensures reduced noise for greater wellbeing at night.



| UNICO SMART |        |        |        |
|-------------|--------|--------|--------|
| A           | B      | C      | Weight |
| 902 mm      | 230 mm | 516 mm | 40 kg  |

\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.



|  |         |           | Unico Smart 10SF  | Unico Smart 10HP  | Unico Smart 12SF  | Unico Smart 12HP  |
|--|---------|-----------|---|---|---|---|
| PRODUCT CODE   |         |           | 01491   | 01492   | 01493   | 01494   |
| EAN CODE   |         |           | 8021183014914   | 8021183014921   | 8021183014938   | 8021183014945   |
| Cooling power (min/max)                                    |         | kW        | -   | -   | -   | -   |
| Heating power (min/max)                                    |         | kW        | -   | -   | -   | -   |
| Nominal cooling capacity (1)                               | P rated | kW        |  2,3     |  2,3     |  2,7     |  2,7     |
| Nominal heating capacity (1)                               | P rated | kW        | -   |  2,3     | -   |  2,5     |
| Nominal power consumption for cooling (1)                  | PEER    | kW        | 0,9   | 0,9   | 1,0   | 1,0   |
| Nominal absorption for cooling (1)                         |         | A         | 3,7   | 3,7   | 4,3   | 4,3   |
| Nominal power consumption for heating (1)                  | PCOP    | kW        | -   | 0,7   | -   | 0,8   |
| Nominal absorption for heating (1)                         |         | A         | -   | 3,0   | -   | 3,3   |
| Nominal energy efficiency index (1)                        | EERd    |           | 2,6   | 2,6   | 2,6   | 2,6   |
| Nominal efficiency coefficient (1)                         | COPd    |           | -   | 3,1   | -   | 3,1   |
| Energy efficiency class in cooling (1)                     |         |           |         |          |          |          |
| Energy efficiency class in heating (1)                     |         |           | -   |          | -   |          |
| Energy consumption in "thermostat off" mode                | PTO     |           | 14,0  | 14,0  | 14,0  | 14,0  |
| Energy consumption in "standby" mode (EN 62301)            | PSB     |           | 0,5   | 0,5   | 0,5   | 0,5   |
| Energy consumption for double pipe appliances (1) cooling  | QDD     | kWh/h     | 0,9   | 0,9   | 1,0   | 1,0   |
| Energy consumption for double pipe appliances (1) heating  | QDD     | kWh/h     | -   | 0,7   | -   | 0,8   |
| Supply voltage   |         | V-F-Hz    | 230-1-50  | 230-1-50  | 230-1-50  | 230-1-50  |
| Supply voltage minimum/maximum                             |         | V         | 198 / 264   | 198 / 264   | 198 / 264   | 198 / 264   |
| Maximum power consumption in cooling mode (1)              |         | kW        | -   | -   | -   | -   |
| Maximum absorption in cooling mode (1)                     |         | A         | -   | -   | -   | -   |
| Maximum power consumption in heating mode (1)              |         | kW        | -   | -   | -   | -   |
| Maximum absorption in heating mode (1)                     |         | A         | -   | -   | -   | -   |
| Maximum power consumption with electric resistance heating |         | kW        | -   | -   | -   | -   |
| Maximum absorption with electric resistance heating        |         | A         | -   | -   | -   | -   |
| Dehumidification capacity                                  |         | l/h       | 0,9   | 1,1   | 0,9   | 1,1   |
| Air flow rate in cooling environment (max/med/min)         |         | m³/h      | 490 / 430 / 360   | 490 / 430 / 360   | 490 / 430 / 360   | 490 / 430 / 360   |
| Air flow rate in heating environment (max/med/min)         |         | m³/h      | -   | 410 / 350 / 270   | -   | 490 / 400 / 330   |
| Air flow rate with electric resistance heating environment |         | m³/h      | -   | -   | -   | -   |
| External air flow rate in cooling (max/min)                |         | m³/h      | 520 / 350   | 520 / 350   | 520 / 350   | 500 / 340   |
| External air flow rate in heating (max/min)                |         | m³/h      | -   | 520 / 350   | -   | 500 / 340   |
| Internal ventilation speed                                 |         |           | 3   | 3   | 3   | 3   |
| External ventilation speed                                 |         |           | 3   | 3   | 3   | 3   |
| Diameter wall holes  |         | mm        | 162** / 202   | 162** / 202   | 162** / 202   | 162** / 202   |
| Electric resistance heating                                |         |           | -   | -   | -   | -   |
| Maximum range remote control (distance / angle)            |         | m / °     | 8 / ±80°  | 8 / ±80°  | 8 / ±80°  | 8 / ±80°  |
| Dimensions ( W x H x D ) (without packaging)               |         | mm        | 902 x 516 x 229   | 902 x 516 x 229   | 902 x 516 x 229   | 902 x 516 x 229   |
| Dimensions ( W x H x D ) (with packaging)                  |         | mm        | 980 x 610 x 350   | 980 x 610 x 350   | 980 x 610 x 350   | 980 x 610 x 350   |
| Weight (without packaging)                                 |         | Kg        | 40  | 40  | 40  | 40  |
| Weight (with packaging)                                    |         | kg        | 44  | 44  | 44  | 44  |
| Internal sound pressure (Min Max) (2)                      |         | dB(A)     |  33-41 |  33-41 |  33-42 |  33-42 |
| Internal sound power level (EN 12102)                      | LWA     | dB(A)     | 56  | 56  | 57  | 57  |
| Degree of protection provided by covers                    |         |           | IP 20   | IP 20   | IP 20   | IP 20   |
| Refrigerant gas*   | Type    |           | R410A   | R410A   | R410A   | R410A   |
| Global warming potential                                   | GWP     | kgCO2 eq. | 2088  | 2088  | 2088  | 2088  |
| Refrigerant gas charge                                     |         | kg        | 0,48  | 0,54  | 0,65  | 0,55  |
| Maximum operating pressure                                 |         | Mpa       | 3,6   | 3,6   | 3,6   | 3,6   |
| Power cable (N° pole x section mm2)                        |         |           | 3 x 1,5   | 3 x 1,5   | 3 x 1,5   | 3 x 1,5   |

## LIMITS OF OPERATING CONDITIONS

|                             |                                |                   |
|-----------------------------|--------------------------------|-------------------|
| Indoor Ambient Temperature  | Maximum temperature in cooling | DB 35°C - WB 24°C |
|                             | Minimum temperature in cooling | DB 18°C           |
|                             | Maximum temperature in heating | DB 27°C           |
|                             | Minimum temperature in heating | -                 |
| Outdoor Ambient Temperature | Maximum temperature in cooling | DB 43°C - WB 32°C |
|                             | Minimum temperature in cooling | DB -10°C          |
|                             | Maximum temperature in heating | DB 24°C - WB 18°C |
|                             | Minimum temperature in heating | DB -15°C          |

(1) Test condition: data refers to regulation EN14511 - HEATING MODE: outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C.

(2) Data test declaration in semianechoic room at a distance of 2m, minimum sound pressure with ventilation only.

- By maintaining the same center to center distance of inlet and outlet holes and the possibility of installation with 162 mm diameter holes, models in the Unico Smart, Unico Inverter and Unico Act range may easily substitute previously installed Unico Star and Unico Sky models.

\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

\*\*Machine supplied with 202 mm wall opening grilles. Thanks to the maintenance of the same axis of the air intake and output holes and to its configuration. The machine can also be installed with 162 mm diameter openings.

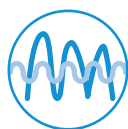
# UNICO<sup>®</sup> INVERTER

Italian design by:

KING & MIRANDA DESIGN  
design e architettura



The first air-conditioner without outdoor unit with inverter technology.



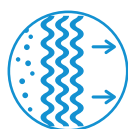
## INVERTER SYSTEM

Thanks to its inverter technology, Unico saves up to 30% of energy compared with motors with traditional technology.



## HEAT PUMP

Heat pump air conditioner. Thanks to this feature you can replace or support traditional heating in intermediate seasons.



## PURE SYSTEM 2

A multi-filtering system which combines an electrostatic filter (which eliminates small particles such as smoke, dust, pollen and pet hair, helping to prevent the insurgence of allergic reactions) with an activated carbon filter (which eliminates bad odors and inactivates any harmful gas).

## FEATURES

A model of Max power: 3.25 kW

Available in versions: SF (Cooling only) - HP (Heat Pump)

Double class **A**

Refrigerant gas R410A\*

Installation versatility: top or bottom wall

Easy installation: Unico can be installed from the inside in a few minutes

Wireless wall control (Optional)

Large flap for even distribution of air in the room

Multifunction remote control

24 hour Timer

## FUNCTIONS

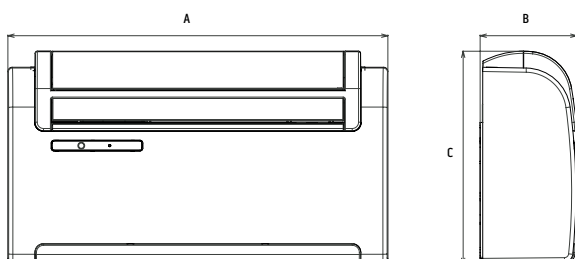
**Economy mode:** allows energy saving by automatically optimizing the machine's performance

**Fan only mode**

**Dehumidification only mode**

**Auto mode:** changes parameters depending on ambient temperature.





**Sleep mode:** gradually increases the temperature set and ensures reduced noise for greater wellbeing at night.



| UNICO INVERTER |        |        |        |
|----------------|--------|--------|--------|
| A              | B      | C      | Weight |
| 902 mm         | 230 mm | 506 mm | 39 kg  |

\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

\*\* Internal laboratory tests on traditional Olimpia Splendid range.

|  |         |           | Unico Inverter 12SF   | Unico Inverter 12HP   |
|--|---------|-----------|---|---|
| PRODUCT CODE   |         |           | 01067   | 01052   |
| EAN CODE   |         |           | 8021183010671   | 8021183010527   |
| Cooling power (min/max)                                    |         | kW        | 1,8 / 3,25  | 1,8 / 3,25  |
| Heating power (min/max)                                    |         | kW        | -   | 1,8 / 3,25  |
| Nominal cooling capacity (1)                               | P rated | KW        |  2,7     |  2,7     |
| Nominal heating capacity (1)                               | P rated | kW        | -   |  2,7     |
| Nominal power consumption for cooling (1)                  | PEER    | kW        | 1,0   | 1,0   |
| Nominal absorption for cooling (1)                         |         | A         |   | 4,6   |
| Nominal power consumption for heating (1)                  | PCOP    | kW        | -   | 0,8   |
| Nominal absorption for heating (1)                         |         | A         | -   | 3,8   |
| Nominal energy efficiency index (1)                        | EERd    |           | 2,7   | 2,7   |
| Nominal efficiency coefficient (1)                         | COPd    |           | -   | 3,2   |
| Energy efficiency class in cooling (1)                     |         |           |          |          |
| Energy efficiency class in heating (1)                     |         |           | -   |          |
| Energy consumption in "thermostat off" mode                | PTO     |           | 12,0  | 12,0  |
| Energy consumption in "standby" mode (EN 62301)            | PSB     |           | 0,5   | 0,5   |
| Energy consumption for double pipe appliances (1) cooling  | QDD     | kWh/h     | 1,0   | 1,0   |
| Energy consumption for double pipe appliances (1) heating  | QDD     | kWh/h     | -   | 0,8   |
| Supply voltage   |         | V-F-Hz    | 230-1-50  | 230-1-50  |
| Supply voltage minimum/maximum                             |         | V         | 198 / 264   | 198 / 264   |
| Maximum power consumption in cooling mode (1)              |         | kW        | 0,58-1,40   | 0,58-1,40   |
| Maximum absorption in cooling mode (1)                     |         | A         | 2,7-6,4   | 2,7-6,4   |
| Maximum power consumption in heating mode (1)              |         | kW        | -   | 0,53-1,30   |
| Maximum absorption in heating mode (1)                     |         | A         | -   | 2,4-5,9   |
| Maximum power consumption with electric resistance heating |         | kW        | -   | -   |
| Maximum absorption with electric resistance heating        |         | A         | -   | -   |
| Dehumidification capacity                                  |         | l/h       | 1,1   | 1,1   |
| Air flow rate in cooling environment (max/med/min)         |         | m³/h      | 490 / 430 / 360   | 490 / 430 / 360   |
| Air flow rate in heating environment (max/med/min)         |         | m³/h      | -   | 490 / 430 / 360   |
| Air flow rate with electric resistance heating environment |         | m³/h      | -   | -   |
| External air flow rate in cooling (max/min)                |         | m³/h      | 520/350   | 500/340   |
| External air flow rate in heating (max/min)                |         | m³/h      | -   | 500 / 340   |
| Internal ventilation speed                                 |         |           | 3   | 3   |
| External ventilation speed                                 |         |           | 6   | 6   |
| Diameter wall holes  |         | mm        | 162** / 202   | 162** / 202   |
| Electric resistance heating                                |         |           | -   | -   |
| Maximum range remote control (distance / angle)            |         | m / °     | 8 / ±80°  | 8 / ±80°  |
| Dimensions ( W x H x D ) (without packaging)               |         | mm        | 902 x 506 x 229   | 902 x 506 x 229   |
| Dimensions ( W x H x D ) (with packaging)                  |         | mm        | 980 x 610 x 350   | 980 x 610 x 350   |
| Weight (without packaging)                                 |         | Kg        | 39  | 40  |
| Weight (with packaging)                                    |         | Kg        | 43  | 43  |
| Internal sound pressure (Min Max) (2)                      |         | dB(A)     |  33-43 |  33-43 |
| Internal sound power level (EN 12102)                      | LWA     | dB(A)     | 58  | 58  |
| Degree of protection provided by covers                    |         |           | IP 20   | IP 20   |
| Refrigerant gas*   |         | Type      | R410A   | R410A   |
| Global warming potential                                   | GWP     | kgCO2 eq. | 2088  | 2088  |
| Refrigerant gas charge                                     |         | Kg        | 0,57  | 0,58  |
| Maximum operating pressure                                 |         | MPa       | 3,6   | 3,6   |
| Power cable (N° pole x section m2)                         |         |           | 3 x 1,5   | 3 x 1,5   |

#### LIMITS OF OPERATING CONDITIONS

|                             |                                |                   |
|-----------------------------|--------------------------------|-------------------|
| Indoor Ambient Temperature  | Maximum temperature in cooling | DB 35°C - WB 24°C |
|                             | Minimum temperature in cooling | DB 18°C           |
|                             | Maximum temperature in heating | DB 27°C           |
|                             | Minimum temperature in heating | -                 |
| Outdoor Ambient Temperature | Maximum temperature in cooling | DB 43°C - WB 32°C |
|                             | Minimum temperature in cooling | DB -10°C          |
|                             | Maximum temperature in heating | DB 24°C - WB 18°C |
|                             | Minimum temperature in heating | DB -15°C          |

(1) Test condition: data refers to regulation EN14511 - HEATING MODE: outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C.

(2) Data test declaration in semianechoic room at a distance of 2m, minimum sound pressure with ventilation only.

- By maintaining the same center to center distance of inlet and outlet holes and the possibility of installation with 162 mm diameter holes, models in the Unico Smart, Unico Inverter and Unico Act range may easily substitute previously installed Unico Star and Unico Sky models.

\*Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

\*\*Machine supplied with 202 mm wall opening grilles. Thanks to the maintenance of the same axis of the air intake and output holes and to its configuration. The machine can also be installed with 162 mm diameter openings.

# UNICO® PRO INVERTER 12 HP A+

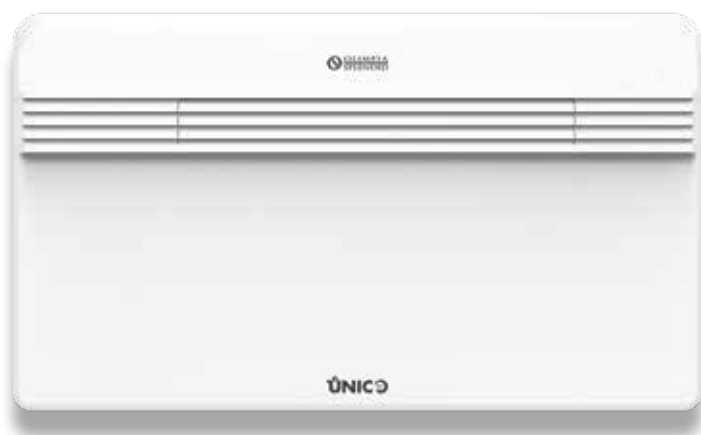
*matteo thün*  
MATTEO THÜN & ANTONIO RODRIGUEZ  
MILANO | SHANGHAI

The most efficient ever air conditioner without external unit.

archiproducts  
DESIGN AWARDS  
WINNER 2019

2019 PLATINUM WINNER  
EUROPEAN  
PRODUCT  
DESIGN  
AWARD

GOOD  
DESIGN



## NEW OLIMPIA SPLENDID INVERTER PRO

Powerful, versatile and efficient thanks to a wide range of frequencies available and electronic management of the expansion valve.



## SILENT MODE

All the silence you want using the "silent mode" function. A true "orchestra conductor" who skilfully conducts or co-ordinates the inverter compressor (INVERTER PRO) and the ventilated sections (V PRO) for maximum acoustic comfort up to - 10dB(A)\*\*. All of this enclosed in a beautiful body and lined with state-of-the-art sound-absorbing material.



## FULL INVERTER DC FAN

All of the fans are inverter DC and use a new surface design (V PRO). They are designed to guarantee reduced consumption and silence in all conditions of use.



## HIGH EFFICIENCY TECHNOLOGY

Class A+ in cooling and Class A in heating.

## FEATURES

Max capacity: 3,4 kW

Available in versions: HP (Heat Pump)

Energy class **A+**

Refrigerant gas R410A\*

Installation versatility: top or bottom wall

Easy installation: Unico can be installed from the inside in a few minutes

Wireless wall control (Optional)

Large flap for even distribution of air in the room

Backlit display with on-board touch controls

Multifunctional remote control with LCD standard display

24 hour Timer

## FUNCTIONS

**Economy mode:** allows energy saving by automatically optimizing the machine's performance

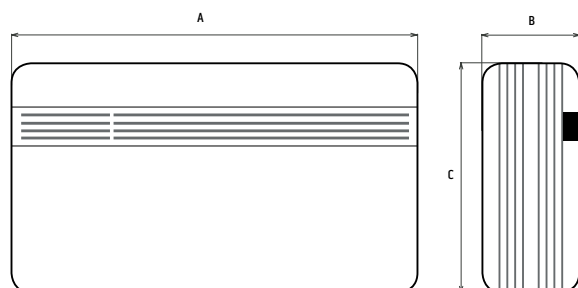
**Fan only mode**

**Dehumidification only mode**

**Auto mode:** changes parameters depending on ambient temperature.

**Sleep mode:** gradually increases the temperature set and ensures reduced noise for greater wellbeing at night.






**Silent Mode:** New function to set the machine at minimum noise level.



| UNICO PRO INVERTER 12 HP A+ |        |        |        |
|-----------------------------|--------|--------|--------|
| A                           | B      | C      | Weight |
| 903 mm                      | 215 mm | 520 mm | 39 kg  |

\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

\*\* Sound power.

|  |         |           | Unico Pro Inverter 12 HP A+   |
|--|---------|-----------|---|
| PRODUCT CODE   |         |           | 01866   |
| EAN CODE   |         |           | 8021183018660   |
| Cooling power (min/max)                                    |         | kW        | 1,7 / 3,4   |
| Heating power (min/max)                                    |         | kW        | 1,5 / 3,0   |
| Nominal cooling capacity (1)                               | P rated | kW        |  2.2     |
| Nominal heating capacity (1)                               | P rated | kW        |  2.4     |
| Nominal power consumption for cooling (1)                  | PEER    | kW        | 0,7   |
| Nominal absorption for cooling (1)                         |         | A         | 3,1   |
| Nominal power consumption for heating (1)                  | PCOP    | kW        | 0,8   |
| Nominal absorption for heating (1)                         |         | A         | 3,4   |
| Nominal energy efficiency index (1)                        | EERd    |           | 3,1   |
| Nominal efficiency coefficient (1)                         | COPd    |           | 3,1   |
| Energy efficiency class in cooling (1)                     |         |           |  A+      |
| Energy efficiency class in heating (1)                     |         |           |  A       |
| Energy consumption in "thermostat off" mode                | PTO     |           | 22  |
| Energy consumption in "standby" mode (EN 62301)            | PSB     |           | 0,5   |
| Energy consumption for double pipe appliances (1) cooling  | QDD     | kWh/h     | 0,7   |
| Energy consumption for double pipe appliances (1) heating  | QDD     | kWh/h     | 0,8   |
| Silent mode cooling capacity                               |         | kW        | 1,7   |
| Silent mode heating capacity                               |         | kW        | 1,5   |
| Supply voltage   |         | V-F-Hz    | 230-1-50  |
| Supply voltage minimum/maximum                             |         | V         | 198 / 264   |
| Maximum power consumption in cooling mode (1)              |         | kW        | 0,8-1,7   |
| Maximum absorption in cooling mode (1)                     |         | A         | 3,5-7,5   |
| Maximum power consumption in heating mode (1)              |         | kW        | 0,8-1,7   |
| Maximum absorption in heating mode (1)                     |         | A         | 3,1-6,2   |
| Maximum power consumption with electric resistance heating |         | kW        | -   |
| Maximum absorption with electric resistance heating        |         | A         | -   |
| Dehumidification capacity                                  |         | l/h       | 1,3   |
| Air flow rate in cooling environment (max/med/min)         |         | m³/h      | 490 / 390 / 350   |
| Air flow rate in heating environment (max/med/min)         |         | m³/h      | 490 / 390 / 350   |
| Air flow rate with electric resistance heating environment |         | m³/h      | -   |
| External air flow rate in cooling (max/min)                |         | m³/h      | 600 / 120   |
| External air flow rate in heating (max/min)                |         | m³/h      | 600 / 120   |
| Internal ventilation speed                                 |         |           | 3   |
| External ventilation speed                                 |         |           | 6   |
| Diameter wall holes  |         | mm        | 162** / 202   |
| Electric resistance heating                                |         |           | -   |
| Maximum range remote control (distance / angle)            |         | m / °     | 8 / ±80°  |
| Dimensions ( W x H x D ) (without packaging)               |         | mm        | 903 x 520 x 215   |
| Dimensions ( W x H x D ) (with packaging)                  |         | mm        | 980 x 610 x 330   |
| Weight (without packaging)                                 |         | Kg        | 39  |
| Weight (with packaging)                                    |         | Kg        | 42  |
| Internal sound pressure (Min Max) (2)                      |         | dB(A)     |  32-43 |
| Internal sound power level (EN 12102)                      | LWA     | dB(A)     | 57  |
| Silent Mode sound pressure level                           |         | dB(A)     | 34  |
| Silent Mode sound power level                              | LWA     | dB(A)     | 49  |
| Degree of protection provided by covers                    |         |           | IP20  |
| Refrigerant gas*   |         | Type      | R410A   |
| Global warming potential                                   | GWP     | kgCO2 eq. | 2088  |
| Refrigerant gas charge                                     |         | kg        | 0,58  |
| Maximum operating pressure                                 |         | MPa       | 4,20  |
| Power cable (N° pole x section mm2)                        |         |           | 3 x 1,5   |

#### LIMITS OF OPERATING CONDITIONS

|                             |                                |                   |
|-----------------------------|--------------------------------|-------------------|
| Indoor Ambient Temperature  | Maximum temperature in cooling | DB 35°C - WB 24°C |
|                             | Minimum temperature in cooling | DB 18°C           |
|                             | Maximum temperature in heating | DB 27°C           |
|                             | Minimum temperature in heating | -                 |
| Outdoor Ambient Temperature | Maximum temperature in cooling | DB 43°C - WB 32°C |
|                             | Minimum temperature in cooling | DB -10°C          |
|                             | Maximum temperature in heating | DB 24°C - WB 18°C |
|                             | Minimum temperature in heating | DB -15°C          |

(1) Test condition: data refers to regulation EN14511 - HEATING MODE: outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C.

(2) Data test declaration in semianechoic room at a distance of 2m, minimum sound pressure with ventilation only.

- By maintaining the same center to center distance of inlet and outlet holes and the possibility of installation with 162 mm diameter holes, models in the Unico Smart, Unico Inverter and Unico Art range may easily substitute previously installed Unico Star and Unico Sky models.

\*Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.



# UNICO® PRO INVERTER 14 HP

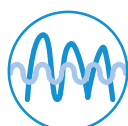
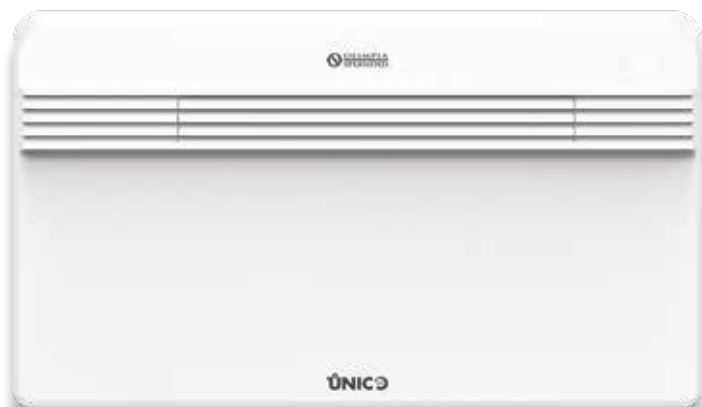
*matteo thün*  
MATTEO THÜN & ANTONIO RODRIGUEZ  
MILANO | SHANGHAI

The most powerful ever air conditioner without external unit.

archiproducts  
DESIGN AWARDS  
WINNER 2019

2019 PLATINUM WINNER  
EUROPEAN  
PRODUCT  
DESIGN  
AWARD

GOOD  
DESIGN



## NEW OLIMPIA SPLENDID INVERTER PRO

Powerful, versatile and efficient thanks to a wide range of frequencies available and electronic management of the expansion valve.



## SILENT MODE

All the silence you want using the "silent mode" function. A true "orchestra conductor" who skilfully conducts or co-ordinates the inverter compressor (INVERTER PRO) and the ventilated sections (V PRO) for maximum acoustic comfort up to -10dB(A)\*\*. All of this enclosed in a beautiful body and lined with state-of-the-art sound-absorbing material.



## FULL INVERTER DC FAN

All of the fans are inverter DC and use a new surface design (V PRO). They are designed to guarantee reduced consumption and silence in all conditions of use.



## PRO POWER

Super cooling power up to 3,5 kW.

## FEATURES

Capacity: up to 3,5 kW

Available in versions: HP (Heat Pump)

Energy class **A**

Refrigerant gas R410A\*

Installation versatility: top or bottom wall

Easy installation: Unico can be installed from the inside in a few minutes

Wireless wall control (Optional)

Large flap for even distribution of air in the room

Backlit display with on-board touch controls

Multifunctional remote control with LCD standard display

24 hour Timer

## FUNCTIONS

**Economy mode:** allows energy saving by automatically optimizing the machine's performance

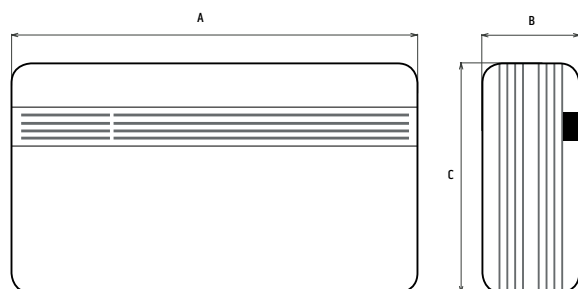
**Fan only mode**

**Dehumidification only mode**

**Auto mode:** changes parameters depending on ambient temperature.

**Sleep mode:** gradually increases the temperature set and ensures reduced noise for greater wellbeing at night.






**Silent Mode:** New function to set the machine at minimum noise level.



| UNICO PRO INVERTER 14 HP |        |        |        |
|--------------------------|--------|--------|--------|
| A                        | B      | C      | Weight |
| 903 mm                   | 215 mm | 520 mm | 39 kg  |

\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

\*\* Sound power.

|  |         |           | Unico Pro Inverter 14 HP  |
|--|---------|-----------|---|
| PRODUCT CODE   |         |           | 01868   |
| EAN CODE   |         |           | 8021183018684   |
| Cooling power (min/max)                                    |         | kW        | 1,7 / 3,5   |
| Heating power (min/max)                                    |         | kW        | 1,5 / 3,15  |
| Nominal cooling capacity (1)                               | P rated | kW        |  2,9     |
| Nominal heating capacity (1)                               | P rated | kW        |  2,6     |
| Nominal power consumption for cooling (1)                  | PEER    | kW        | 1,1   |
| Nominal absorption for cooling (1)                         |         | A         | 4,9   |
| Nominal power consumption for heating (1)                  | PCOP    | kW        | 0,8   |
| Nominal absorption for heating (1)                         |         | A         | 3,7   |
| Nominal energy efficiency index (1)                        | EERd    |           | 2,6   |
| Nominal efficiency coefficient (1)                         | COPd    |           | 3,1   |
| Energy efficiency class in cooling (1)                     |         |           |          |
| Energy efficiency class in heating (1)                     |         |           |          |
| Energy consumption in "thermostat off" mode                | PTO     |           | 22  |
| Energy consumption in "standby" mode (EN 62301)            | PSB     |           | 0,5   |
| Energy consumption for double pipe appliances (1) cooling  | QDD     | kWh/h     | 1,1   |
| Energy consumption for double pipe appliances (1) heating  | QDD     | kWh/h     | 0,8   |
| Silent mode cooling capacity                               |         | kW        | 1,7   |
| Silent mode heating capacity                               |         | kW        | 1,5   |
| Supply voltage   |         | V-F-Hz    | 230-1-50  |
| Supply voltage minimum/maximum                             |         | V         | 198 / 264   |
| Maximum power consumption in cooling mode (1)              |         | kW        | 0,8-1,7   |
| Maximum absorption in cooling mode (1)                     |         | A         | 3,5-7,5   |
| Maximum power consumption in heating mode (1)              |         | kW        | 0,7-1,4   |
| Maximum absorption in heating mode (1)                     |         | A         | 3,1-6,2   |
| Maximum power consumption with electric resistance heating |         | kW        | -   |
| Maximum absorption with electric resistance heating        |         | A         | -   |
| Dehumidification capacity                                  |         | l/h       | 1,4   |
| Air flow rate in cooling environment (max/med/min)         |         | m³/h      | 490 / 390 / 350   |
| Air flow rate in heating environment (max/med/min)         |         | m³/h      | 490 / 390 / 350   |
| Air flow rate with electric resistance heating environment |         | m³/h      | -   |
| External air flow rate in cooling (max/min)                |         | m³/h      | 600 / 120   |
| External air flow rate in heating (max/min)                |         | m³/h      | 600 / 120   |
| Internal ventilation speed                                 |         |           | 3   |
| External ventilation speed                                 |         |           | 6   |
| Diameter wall holes  |         | mm        | 162** / 202   |
| Electric resistance heating                                |         |           | -   |
| Maximum range remote control (distance / angle)            |         | m / °     | 8 / ±80°  |
| Dimensions ( W x H x D ) (without packaging)               |         | mm        | 903 x 520 x 215   |
| Dimensions ( W x H x D ) (with packaging)                  |         | mm        | 980 x 610 x 330   |
| Weight (without packaging)                                 |         | Kg        | 39  |
| Weight (with packaging)                                    |         | Kg        | 42  |
| Internal sound pressure (Min Max) (2)                      |         | dB(A)     |  32-43 |
| Internal sound power level (EN 12102)                      | LWA     | dB(A)     | 59  |
| Silent Mode sound pressure level                           |         | dB(A)     | 34  |
| Silent Mode sound power level                              | LWA     | dB(A)     | 49  |
| Degree of protection provided by covers                    |         |           | IP20  |
| Refrigerant gas*   |         | Type      | R410A   |
| Global warming potential                                   | GWP     | kgCO2 eq. | 2088  |
| Refrigerant gas charge                                     |         | kg        | 0,58  |
| Maximum operating pressure                                 |         | MPa       | 4,20  |
| Power cable (N° pole x section mm2)                        |         |           | 3 x 1,5   |

#### LIMITS OF OPERATING CONDITIONS

|                             |                                |                   |
|-----------------------------|--------------------------------|-------------------|
| Indoor Ambient Temperature  | Maximum temperature in cooling | DB 35°C - WB 24°C |
|                             | Minimum temperature in cooling | DB 18°C           |
|                             | Maximum temperature in heating | DB 27°C           |
|                             | Minimum temperature in heating | -                 |
| Outdoor Ambient Temperature | Maximum temperature in cooling | DB 43°C - WB 32°C |
|                             | Minimum temperature in cooling | DB -10°C          |
|                             | Maximum temperature in heating | DB 24°C - WB 18°C |
|                             | Minimum temperature in heating | DB -15°C          |

(1) Test condition: data refers to regulation EN14511 - HEATING MODE: outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C.

(2) Data test declaration in semianechoic room at a distance of 2m, minimum sound pressure with ventilation only.

- By maintaining the same center to center distance of inlet and outlet holes and the possibility of installation with 162 mm diameter holes, models in the Unico Smart, Unico Inverter and Unico Art range may easily substitute previously installed Unico Star and Unico Sky models.

\*Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

# UNICO® TOWER INVERTER 12 HP

The air conditioning without outdoor unit in only 470 mm of width and 185 mm deep.



## FEATURES

Capacity: up to 2,95 kW  
 Available in versions: HP (Heat Pump)  
 Energy Class **A**  
 Refrigerant gas R410A\*  
 Bottom installation  
 Easy installation: Unico can be installed from the inside in a few minutes  
 Wireless wall control (Optional)  
 Large flap for even distribution of air in the room  
 Backlit display with on-board touch controls  
 Multifunctional remote control with LCD standard display  
 24 hour Timer

## FUNCTIONS

**Economy mode:** allows energy saving by automatically optimizing the machine's performance  
**Fan only mode**  
**Dehumidification only mode**  
**Auto mode:** changes parameters depending on ambient temperature.  
**Sleep mode:** gradually increases the temperature set and ensures reduced noise for greater wellbeing at night.  
**Silent Mode:** New function to set the machine at minimum noise level.



### LARGE FLAP

Motorized superior flap for for even distribution of air



### DESIGN MADE IN ITALY

Italian design, with unconventional shapes.  
 Vertically developed, it brings comfort where any other installation would be impossible.



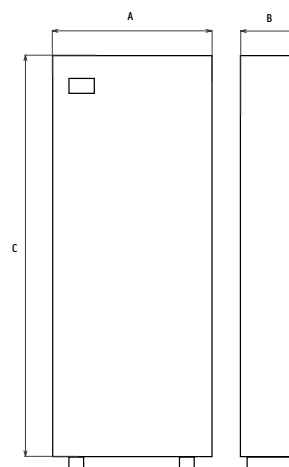
### OLIMPIA SPLENDID INVERTER SYSTEM

Olimpia Splendid's variable speed compressor and inverter control ensure a constant adaptation of the cooling capacity to the ambient thermal load.








### SILENT MODE

All the silence you want using the "silent mode" function.



| UNICO TOWER INVERTER 12 HP |        |         |        |
|----------------------------|--------|---------|--------|
| A                          | B      | C       | Weight |
| 470 mm                     | 185 mm | 1390 mm | 54 kg  |

|  |         |           | Unico Tower Inverter 12 HP  |
|--|---------|-----------|---|
| PRODUCT CODE   |         |           | 01924   |
| EAN CODE   |         |           | 8021183019247   |
| Cooling power (min/max)                                    |         | kW        | 1,45 / 2,95   |
| Heating power (min/max)                                    |         | kW        | 1,45 / 3,10   |
| Nominal cooling capacity (1)                               | P rated | kW        |  2,45    |
| Nominal heating capacity (1)                               | P rated | kW        |  2,55    |
| Nominal power consumption for cooling (1)                  | PEER    | kW        | 0,9   |
| Nominal absorption for cooling (1)                         |         | A         | 4,9   |
| Nominal power consumption for heating (1)                  | PCOP    | kW        | 0,8   |
| Nominal absorption for heating (1)                         |         | A         | 3,7   |
| Nominal energy efficiency index (1)                        | EERd    |           | 2,6   |
| Nominal efficiency coefficient (1)                         | COPd    |           | 3,1   |
| Energy efficiency class in cooling (1)                     |         |           |          |
| Energy efficiency class in heating (1)                     |         |           |          |
| Energy consumption in "thermostat off" mode                | PTO     | W         | 29  |
| Energy consumption in "standby" mode (EN 62301)            | PSB     | W         | 0,5   |
| Energy consumption for double pipe appliances (1) cooling  | QDD     | kWh/h     | 0,9   |
| Energy consumption for double pipe appliances (1) heating  | QDD     | kWh/h     | 0,8   |
| Silent mode cooling capacity                               |         | kW        | 1,45  |
| Silent mode heating capacity                               |         | kW        | 1,45  |
| Supply voltage   |         | V-F-Hz    | 230-1-50  |
| Supply voltage minimum/maximum                             |         | V         | 198 / 264   |
| Maximum power consumption in cooling mode (1)              |         | kW        | 1700  |
| Maximum absorption in cooling mode (1)                     |         | A         | 8,54  |
| Maximum power consumption in heating mode (1)              |         | kW        | 1400  |
| Maximum absorption in heating mode (1)                     |         | A         | 6,20  |
| Maximum power consumption with electric resistance heating |         | kW        | -   |
| Maximum absorption with electric resistance heating        |         | A         | -   |
| Dehumidification capacity                                  |         | l/h       | 1,0   |
| Air flow rate in cooling environment (max/med/min)         |         | m³/h      | 260 / - / -   |
| Air flow rate in heating environment (max/med/min)         |         | m³/h      | 260 / - / -   |
| Air flow rate with electric resistance heating environment |         | m³/h      | -   |
| External air flow rate in cooling (max/min)                |         | m³/h      | 486 / -   |
| External air flow rate in heating (max/min)                |         | m³/h      | 486 / -   |
| Internal ventilation speed                                 |         |           | 3   |
| External ventilation speed                                 |         |           | 6   |
| Diameter wall holes  |         | mm        | 162   |
| Electric resistance heating                                |         |           | -   |
| Maximum range remote control (distance / angle)            |         | m / °     | 8 / ±80°  |
| Dimensions ( W x H x D ) (without packaging)               |         | mm        | 470 x 1390 x 185  |
| Dimensions ( W x H x D ) (with packaging)                  |         | mm        | -   |
| Weight (without packaging)                                 |         | Kg        | 54  |
| Weight (with packaging)                                    |         | Kg        | -   |
| Internal sound pressure (Min Max) (2)                      |         | dB(A)     |  27-40 |
| Internal sound power level (EN 12102)                      | LWA     | dB(A)     | 57  |
| Silent Mode sound pressure level                           |         |           | 31  |
| Silent Mode sound power level                              | LWA     | dB(A)     | 44  |
| Degree of protection provided by covers                    |         |           | IP20  |
| Refrigerant gas*   |         | Type      | R410A   |
| Global warming potential                                   | GWP     | kgCO2 eq. | 2088  |
| Refrigerant gas charge                                     |         | kg        | 0,50  |
| Maximum operating pressure                                 |         | MPa       | 4,20  |
| Power cable (N° pole x section mm2)                        |         |           | 3 x 1,5   |

#### LIMITS OF OPERATING CONDITIONS

|                             |                                |                   |
|-----------------------------|--------------------------------|-------------------|
| Indoor Ambient Temperature  | Maximum temperature in cooling | DB 35°C - WB 24°C |
|                             | Minimum temperature in cooling | DB 18°C           |
|                             | Maximum temperature in heating | DB 27°C           |
|                             | Minimum temperature in heating | -                 |
| Outdoor Ambient Temperature | Maximum temperature in cooling | DB 43°C - WB 32°C |
|                             | Minimum temperature in cooling | DB -10°C          |
|                             | Maximum temperature in heating | DB 24°C - WB 18°C |
|                             | Minimum temperature in heating | DB -15°C          |

(1) Test condition: data refers to regulation EN14511 - HEATING MODE: outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C.

(2) Data test declaration in semianechoic room at a distance of 2m, minimum sound pressure with ventilation only.

- By maintaining the same center to center distance of inlet and outlet holes and the possibility of installation with 162 mm diameter holes, models in the Unico Smart, Unico Inverter and Unico Art range may easily substitute previously installed Unico Star and Unico Sky models.

\*Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

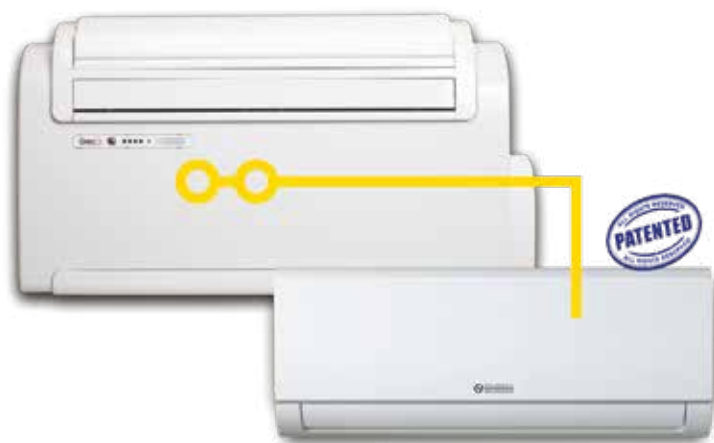
# UNICO® TWIN

Italian design by:

KING & MIRANDA DESIGN  
design e architettura



The system without outdoor unit to air condition two rooms at the same time. Two indoor units, the traditional UNICO unit and the UNICO WALL unit, are connected by a refrigerating circuit.



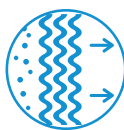
## TWIN TECHNOLOGY

Thanks to Twin® technology, double room air-conditioning is performed in total aesthetic integration with the building, with a considerable simplification of design. Twin® technology allows the use of the two units (Master unit and Wall unit) simultaneously or separately depending on requirements, both in heating and cooling mode.



## HEAT PUMP

Heat pump air conditioner. Thanks to this feature you can replace or support traditional heating in intermediate seasons.



## PURE SYSTEM 2

A multi-filtering system which combines an electrostatic filter (which eliminates small particles such as smoke, dust, pollen and pet hair, helping to prevent the insurgence of allergic reactions) with an activated carbon filter (which eliminates bad odors and inactivates any harmful gas).

## SYSTEM features

Independent or combined mode: if you choose simultaneous mode the two units share the available power \*  
Available in versions: HP (Heat pump)  
Double class **A**  
Refrigerant gas R410A\*\*  
Multifunction double remote control  
24h Timer

## MASTER features

Cooling capacity: 2.6 kW  
HP mode capacity (heat pump): 2.5 kW  
Installation versatility: top or bottom wall installation  
Possible glass installation\*  
Easy installation: Unico Twin can be installed from the inside in a few minutes  
Large flap for a homogeneous diffusion of the air in the environment

## WALL S1 features

Nominal cooling capacity: 2.6 kW  
Nominal heating capacity: 2.5 kW  
Sound power level: 46 dB(A)

## FUNCTIONS

Fan only mode  
Dehumidification only mode  
Auto mode: changes parameters depending on ambient temperature.  
Sleep mode: gradually increases the temperature set and ensures reduced noise for greater wellbeing at night.

## Installation note

By maintaining the same center to center distance of inlet and outlet holes, Unique Twin Master can easily substitute previously installed Unico models.

\* During simultaneous operation the inside units are forced at minimum speed.

\*\* Not hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.



NEW

|   |        |           | Unico Twin Master |
|---|--------|-----------|-------------------|
| PRODUCT CODE  |        |           | 01273             |
| EAN CODE  |        |           | 8021183012736     |
| Nominal cooling capacity (1)                              | Pnom.  | kW        | 2,6               |
| Nominal heating capacity (1)                              | Pnom.  | kW        | 2,5               |
| Nominal power consumption for cooling (1)                 | PEER   | kW        | 0,9               |
| Nominal absorption for cooling (1)                        |        | A         | 4,3               |
| Nominal power consumption for heating (1)                 | PCOP   | kW        | 0,8               |
| Nominal absorption for heating (1)                        |        | A         | 3,5               |
| Nominal energy efficiency index (1)                       | EERd   |           | 2,7               |
| Nominal efficiency coefficient (1)                        | COPd   |           | 3,1               |
| Energy efficiency class in cooling (1)                    |        |           | A                 |
| Energy efficiency class in heating (1)                    |        |           | A                 |
| Energy consumption in "thermostat off" mode               | PTO    | W         | 14,0              |
| Energy consumption in "standby" mode (EN 62301)           | PSB    | W         | 0,5               |
| Energy consumption for double pipe appliances (1) cooling | QDD    | kWh/h     | 0,9               |
| Energy consumption for double pipe appliances (1) heating | QDD    | kWh/h     | 0,8               |
| Supply voltage  | V-F-Hz |           | 230-1-50          |
| Supply voltage minimum/maximum                            | V      |           | 198 / 264         |
| Maximum power consumption in cooling mode (1)             |        | W         | 1200              |
| Maximum absorption in cooling mode (1)                    |        | A         | 5,4               |
| Maximum power consumption in heating mode (1)             |        | W         | 1080              |
| Maximum absorption in heating mode (1)                    |        | A         | 4,8               |
| Dehumidification capacity                                 |        | l/h       | 1,1               |
| Air flow rate in cooling environment (max/med/min)        |        | m³/h      | 490 / 430 / 360   |
| Air flow rate in heating environment (max/med/min)        |        | m³/h      | 450 / 400 / 330   |
| Air flow rate in cooling environment (max/med/min)        |        | m³/h      | 500 / 370 / 340   |
| External air flow rate in heating (max/min)               |        | m³/h      | 500 / 370 / 340   |
| Internal ventilation speed                                |        |           | 3                 |
| External ventilation speed                                |        |           | 3                 |
| Diameter wall holes                                       |        | mm        | 162** / 202       |
| Dimensions ( W x H x D ) (without packaging)              |        | mm        | 902 x 516 x 229   |
| Weight (without packaging)                                |        | Kg        | 40,5              |
| Internal sound power level (EN 12102)                     | LWA    | dB(A)     | 57                |
| Internal sound pressure (Min Max) (2)                     |        | dB(A)     | 33-42             |
| Degree of protection provided by covers                   |        |           | IP 20             |
| Refrigerant gas*  |        | Type      | R410A             |
| Global warming potential                                  | GWP    | kgCO2 eq. | 2088              |
| Refrigerant gas charge                                    |        | kg        | 0,85              |
| Power cable (N° pole x section mm2)                       |        |           | 3 x 1,5           |

#### LIMITS OF OPERATING CONDITIONS

|                             |                                |                   |
|-----------------------------|--------------------------------|-------------------|
| Indoor ambient temperature  | Maximum temperature in cooling | DB 35°C - WB 24°C |
|                             | Minimum temperature in cooling | DB 18°C           |
|                             | Maximum temperature in heating | DB 27°C           |
|                             | Minimum temperature in heating | -                 |
| Outdoor Ambient Temperature | Maximum temperature in cooling | DB 43°C - WB 32°C |
|                             | Minimum temperature in cooling | DB -10°C          |
|                             | Maximum temperature in heating | DB 24°C - WB 18°C |
|                             | Minimum temperature in heating | DB -15°C          |

Performance and optimal operation are guaranteed with units operating alternately.  
In simultaneous operation ambient air fan speed works at minimum speed. Performance is measured by gas piping at a length of 5 m.

(1) Test condition: data refers to regulation EN14511 - HEATING MODE: outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C.

(2) Data test declaration in semianechoic room at a distance of 2m, minimum sound pressure with ventilation only.

- By maintaining the same center to center distance of inlet and outlet holes and the possibility of installation with 162 mm diameter holes, models in the Unico Smart, Unico Inverter and Unico Act range may easily substitute previously installed Unico Star and Unico Sky models.

\*Not hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

\*\*Machine supplied with 202 mm wall opening grilles. Thanks to the maintenance of the same axis of the air intake and output holes and to its configuration. The machine can also be installed with 162 mm diameter openings.

|  |           |       | Unico Twin Wall S1 |
|--|-----------|-------|--------------------|
| PRODUCT CODE                                       |           |       | 01996              |
| EAN CODE   |           |       | 8021183019964      |
| Nominal cooling capacity (1)                       |           | kW    | 2,5                |
| Nominal heating capacity (1)                       |           | kW    | 2,2                |
| Nominal power consumption for cooling (1)          |           | kW    | 0,9                |
| Nominal absorption for cooling (1)                 |           | A     | 4,2                |
| Nominal power consumption for heating (1)          |           | kW    | 0,7                |
| Nominal absorption for heating (1)                 |           | A     | 3,2                |
| Maximum power consumption in cooling mode (1)      |           | W     | 1200               |
| Maximum absorption in cooling mode (1)             |           | A     | 5,4                |
| Maximum power consumption in heating mode (1)      |           | W     | 1080               |
| Maximum absorption in heating mode (1)             |           | A     | 4,8                |
| Dehumidification capacity                          |           | l/h   | 1,0                |
| Air flow rate in cooling environment (max/med/min) |           | m³/h  | 450 / 400 / 340    |
| Air flow rate in heating environment (max/med/min) |           | m³/h  | 450 / 400 / 340    |
| Internal ventilation speed                         |           |       | 3                  |
| Dimensions ( W x H x D ) (without packaging)       |           | mm    | 805 x 285 x 194    |
| Weight (without packaging)                         |           | Kg    | 7,5                |
| Internal sound power level (EN 12102)              |           | dB(A) | 46                 |
| Internal sound pressure (Min Max) (2)              |           | dB(A) | 25-36              |
| Degree of protection provided by covers            |           |       | IP X1              |
| Power cable (N° pole x section mm2)                |           |       | 3 x 1              |
| Connecting liquid pipeline diameter                | inch - mm |       | 1/4 - 6,35         |
| Connecting gas pipeline diameter                   | inch - mm |       | 3/8 - 9,52         |
| Maximum piping length                              | m         |       | 10                 |
| Maximum height difference                          | m         |       | 5                  |

## Easy installation



### MASTER UNIT

Thanks to the template included in the package, the MASTER unit is installed, completely from the inside and in a few minutes, with the two holes of 202 mm diameter in the first room to bear conditioned.



The MASTER unit is connected to the WALL unit, thanks to the gas connection on the right side of the unit. Maximum length refrigerant lines: 10 meters.



### WALL UNIT

The WALL unit is installed on the wall of the second room to be air conditioned.

# UNICO® EASY

The console air-conditioner without outdoor unit.



## SUPPORTING LEGS

Equipped with two supporting legs for a more stable positioning.



## REMOTE CONTROL

Removable remote control.



## HEAT PUMP

Heat pump air conditioner. Thanks to this feature you can replace or support traditional heating in intermediate seasons.

## FEATURES

Cooling capacity: 2.1 kW

Available in versions: SF (Cooling only) - HP (Heat Pump)

Double class **A**

Refrigerant gas R410A\*

Easy installation: Unico can be installed from the inside in a few minutes

Removable remote control on machine

24 hour Timer

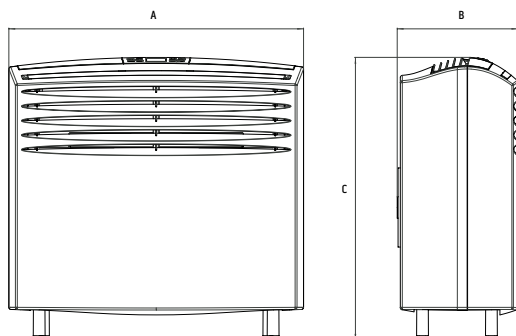
## FUNCTIONS

Fan only mode

Dehumidification only mode









Auto mode: changes parameters depending on ambient temperature.

Sleep mode: gradually increases the temperature set and ensures reduced noise for greater wellbeing at night.



| UNICO EASY |        |        |        |
|------------|--------|--------|--------|
| A          | B      | C      | Weight |
| 693 mm     | 284 mm | 665 mm | 43 kg  |

\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

|  |         |           | Unico Easy SF   | Unico Easy HP   |
|--|---------|-----------|---|---|
| PRODUCT CODE   |         |           | 01056   | 00981   |
| EAN CODE   |         |           | 8021183010565   | 8021183009811   |
| Cooling power (min/max)                                    |         | kW        | -   | -   |
| Heating power (min/max)                                    |         | kW        | -   | -   |
| Nominal cooling capacity (1)                               | P rated | kW        |  2,1     |  2,0     |
| Nominal heating capacity (1)                               | P rated | kW        | -   |  2,0     |
| Nominal power consumption for cooling (1)                  | PEER    | kW        | 0,8   | 0,8   |
| Nominal absorption for cooling (1)                         |         | A         | 3,50  | 3,40  |
| Nominal power consumption for heating (1)                  | PCOP    | kW        | -   | 0,7   |
| Nominal absorption for heating (1)                         |         | A         | -   | 3,2   |
| Nominal energy efficiency index (1)                        | EERd    |           | 2,7   | 2,6   |
| Nominal efficiency coefficient (1)                         | COPd    |           | -   | 2,8   |
| Energy efficiency class in cooling (1)                     |         |           |          |          |
| Energy efficiency class in heating (1)                     |         |           | -   |          |
| Energy consumption in "thermostat off" mode                | PTO     |           | 26,0  | 26,0  |
| Energy consumption in "standby" mode (EN 62301)            | PSB     |           | 1,0   | 1,0   |
| Energy consumption for double pipe appliances (1) cooling  | QDD     | kWh/h     | 0,8   | 0,8   |
| Energy consumption for double pipe appliances (1) heating  | QDD     | kWh/h     | -   | 0,7   |
| Supply voltage   |         | V-F-Hz    | 230-1-50  | 230-1-50  |
| Supply voltage minimum/maximum                             |         | V         | 196 / 253   | 216 / 244   |
| Maximum power consumption in cooling mode (1)              |         | kW        | 0,88  | 1,0   |
| Maximum absorption in cooling mode (min/max)               |         | A         | 3,9   | 3,9   |
| Maximum power consumption in heating mode (min/max)        |         | kW        | -   | 900   |
| Maximum absorption in heating mode (min/max)               |         | A         | -   | 3,8   |
| Maximum power consumption with electric resistance heating |         | kW        | -   | -   |
| Maximum absorption with electric resistance heating        |         | A         | -   | -   |
| Dehumidification capacity                                  |         | l/h       | 1,0   | 0,9   |
| Air flow rate in cooling environment (max/med/min)         |         | m³/h      | 328 / 300 / 274   | 310 / 280 / 250   |
| Air flow rate in heating environment (max/med/min)         |         | m³/h      | -   | 310 / 280 / 250   |
| Air flow rate with electric resistance heating environment |         | m³/h      | -   | -   |
| External air flow rate in cooling (max/min)                |         | m³/h      | 429 / 258   | 430 / 350 / 260   |
| External air flow rate in heating (max/min)                |         | m³/h      | -   | 400 / 350 / 260   |
| Internal ventilation speed                                 |         |           | 3   | 3   |
| External ventilation speed                                 |         |           | 2   | 3   |
| Diameter wall holes  |         | mm        | 162   | 162   |
| Electric resistance heating                                |         |           | -   | -   |
| Maximum range remote control (distance / angle)            |         | m / °     | 8 / ±80°  | 8 / ±80°  |
| Dimensions ( W x H x D ) (without packaging)               |         | mm        | 693 x 666 x 276   | 693 x 666 x 276   |
| Dimensions ( W x H x D ) (with packaging)                  |         | mm        | 768 x 806 x 374   | 768 x 806 x 374   |
| Weight (without packaging)                                 |         | Kg        | 39  | 39  |
| Weight (with packaging)                                    |         | Kg        | 43  | 43  |
| Internal sound pressure (Min Max) (2)                      |         | dB(A)     |  33-42 |  33-44 |
| Internal sound power level (EN 12102)                      | LWA     | dB(A)     | 57  | 59  |
| Degree of protection provided by covers                    |         |           | IP 20   | IP21  |
| Refrigerant gas*   |         | Type      | R410A   | R410A   |
| Global warming potential                                   | GWP     | kgCO2 eq. | 2088  | 2088  |
| Refrigerant gas charge                                     |         | kg        | 0,55  | 0,51  |
| Maximum operating pressure                                 |         | MPa       | 3,6   | 3,6   |
| Power cable (N° pole x section mm2)                        |         |           | 3 x 1,5   | 3 x 1,5   |

#### LIMITS OF OPERATING CONDITIONS

|                             |                                |                   |
|-----------------------------|--------------------------------|-------------------|
| Indoor Ambient Temperature  | Maximum temperature in cooling | DB 35°C - WB 24°C |
|                             | Minimum temperature in cooling | DB 18°C           |
|                             | Maximum temperature in heating | DB 27°C           |
|                             | Minimum temperature in heating | -                 |
| Outdoor Ambient Temperature | Maximum temperature in cooling | DB 43°C - WB 32°C |
|                             | Minimum temperature in cooling | DB 18°C - WB 16°C |
|                             | Maximum temperature in heating | DB 24°C - WB 18°C |
|                             | Minimum temperature in heating | DB -15°C          |

(1) Test condition: data refers to regulation EN14511 - HEATING MODE: outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C.

(2) Data test declaration in semianechoic room at a distance of 2m, minimum sound pressure with ventilation only.

- By maintaining the same center to center distance of inlet and outlet holes and the possibility of installation with 162 mm diameter holes, models in the Unico Smart, Unico Inverter and Unico Act range may easily substitute previously installed Unico Star and Unico Sky models.

\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

# UNICO<sup>®</sup> R

Designed for the coldest climates.



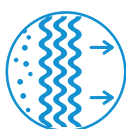
## +2 KW AUXILIARY BACKUP

Suitable even for the coldest temperatures.



## HEAT PUMP

When external ambient temperatures are below 2 ° C, only the fan and the electric heaters are activated for the heating mode. For temperatures over 2 ° C, heating is obtained by means of the heat pump. The management of either mode is completely automatic.



## PURE SYSTEM 2

A multi-filtering system which combines an electrostatic filter (which eliminates small particles such as smoke, dust, pollen and pet hair, helping to prevent the insurgence of allergic reactions) with an activated carbon filter (which eliminates bad odors and inactivates any harmful gas).

## FEATURES

Two capacity versions: 2,3 kW - 2,7 kW

Available in versions: HP (Heat Pump)

Double class **A**

Refrigerant gas R410A \*

Installation versatility: top or bottom wall

Easy installation: Unico can be installed from the inside in a few minutes

Wireless wall control (Optional)

Multifunction remote control

24 hour Timer

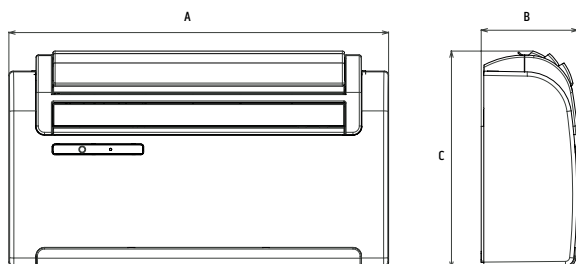
## FUNCTIONS

Fan only mode

Dehumidification only mode











Auto mode: changes parameters depending on ambient temperature.

Sleep mode: gradually increases the temperature set and ensures reduced noise for greater wellbeing at night.



| UNICO R |        |        |        |
|---------|--------|--------|--------|
| A       | B      | C      | Weight |
| 902 mm  | 230 mm | 516 mm | 40 kg  |

\* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

|  |         |           | Unico R 10HP  | Unico R 12HP  |
|--|---------|-----------|---|---|
| PRODUCT CODE   |         |           | 01495   | 01496   |
| EAN CODE   |         |           | 8021183014952   | 8021183014969   |
| Cooling power (min/max)                                    |         | kW        | -   | -   |
| Heating power (min/max)                                    |         | kW        | -   | -   |
| Nominal cooling capacity (1)                               | P rated | kW        |  2,3     |  2,7     |
| Nominal heating capacity (1)                               | P rated | kW        |  2,3     |  2,5     |
| Nominal power consumption for cooling (1)                  | PEER    | kW        | 0,9   | 1,0   |
| Nominal absorption for cooling (1)                         |         | A         | 3,70  | 4,30  |
| Nominal power consumption for heating (1)                  | PCOP    | kW        | 0,7   | 0,8   |
| Nominal absorption for heating (1)                         |         | A         | 3,0   | 3,3   |
| Nominal energy efficiency index (1)                        | EERd    |           | 2,6   | 2,6   |
| Nominal efficiency coefficient (1)                         | COPd    |           | 3,1   | 3,1   |
| Energy efficiency class in cooling (1)                     |         |           |          |          |
| Energy efficiency class in heating (1)                     |         |           |          |          |
| Energy consumption in "thermostat off" mode                | PTO     |           | 14,0  | 14,0  |
| Energy consumption in "standby" mode (EN 62301)            | PSB     |           | 0,5   | 0,5   |
| Energy consumption for double pipe appliances (1) cooling  | QDD     | kWh/h     | 0,9   | 1,0   |
| Energy consumption for double pipe appliances (1) heating  | QDD     | kWh/h     | 0,7   | 0,8   |
| Supply voltage   |         | V-F-Hz    | 230-1-50  | 230-1-50  |
| Supply voltage minimum/maximum                             |         | V         | 198 / 264   | 198 / 264   |
| Maximum power consumption in cooling mode (1)              |         | kW        | 0,9   | 1,1   |
| Maximum absorption in cooling mode (1)                     |         | A         | 3,9   | 4,8   |
| Maximum power consumption in heating mode (1)              |         | kW        | 0,9   | 1,1   |
| Maximum absorption in heating mode (1)                     |         | A         | 3,8   | 4,7   |
| Maximum power consumption with electric resistance heating |         | kW        | 2,0   | 2,0   |
| Maximum absorption with electric resistance heating        |         | A         | 8,7   | 8,7   |
| Dehumidification capacity                                  |         | l/h       | 0,9   | 1,1   |
| Air flow rate in cooling environment (max/med/min)         |         | m³/h      | 490 / 430 / 360   | 490 / 430 / 360   |
| Air flow rate in heating environment (max/med/min)         |         | m³/h      | 410 / 350 / 270   | 490 / 400 / 330   |
| Air flow rate with electric resistance heating environment |         | m³/h      | -490  | -490  |
| External air flow rate in cooling (max/min)                |         | m³/h      | 520 / 350   | 500 / 340   |
| External air flow rate in heating (max/min)                |         | m³/h      | 520 / 350   | 500 / 340   |
| Internal ventilation speed                                 |         |           | 3   | 3   |
| External ventilation speed                                 |         |           | 3   | 3   |
| Diameter wall holes  |         | mm        | 162** / 202   | 162** / 202   |
| Electric resistance heating                                |         |           | 2000  | 2000  |
| Maximum range remote control (distance / angle)            |         | m / °     | 8 / ±80°  | 8 / ±80°  |
| Dimensions ( W x H x D ) (without packaging)               |         | mm        | 902 x 516 x 229   | 902 x 516 x 229   |
| Dimensions ( W x H x D ) (with packaging)                  |         | mm        | 980 x 610 x 350   | 980 x 610 x 350   |
| Weight (without packaging)                                 |         | Kg        | 40  | 40  |
| Weight (with packaging)                                    |         | Kg        | 44  | 44  |
| Internal sound pressure (Min Max) (2)                      |         | dB(A)     |  33-41 |  33-42 |
| Internal sound power level (EN 12102)                      | LWA     | dB(A)     | 56  | 57  |
| Degree of protection provided by covers                    |         |           | IP 20   | IP 20   |
| Refrigerant gas*   |         | Type      | R410A   | R410A   |
| Global warming potential                                   | GWP     | kgCO2 eq. | 2088  | 2088  |
| Refrigerant gas charge                                     |         | Kg        | 0,65  | 0,55  |
| Maximum operating pressure                                 |         | MPa       | 3,6   | 3,6   |
| Power cable (N° pole x section mm2)                        |         |           | 3 x 1,5   | 3 x 1,5   |

#### LIMITS OF OPERATING CONDITIONS

|                             |                                |                   |
|-----------------------------|--------------------------------|-------------------|
| Indoor Ambient Temperature  | Maximum temperature in cooling | DB 35°C - WB 24°C |
|                             | Minimum temperature in cooling | DB 18°C           |
|                             | Maximum temperature in heating | DB 27°C           |
|                             | Minimum temperature in heating | -                 |
| Outdoor Ambient Temperature | Maximum temperature in cooling | DB 43°C - WB 32°C |
|                             | Minimum temperature in cooling | DB -10°C          |
|                             | Maximum temperature in heating | DB 24°C - WB 18°C |
|                             | Minimum temperature in heating | DB -15°C          |

(1) Test condition: data refers to regulation EN14511 - HEATING MODE: outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C.

(2) Data test declaration in semianechoic room at a distance of 2m, minimum sound pressure with ventilation only.

- By maintaining the same center to center distance of inlet and outlet holes and the possibility of installation with 162 mm diameter holes, models in the Unico Smart, Unico Inverter and Unico Act range may easily substitute previously installed Unico Star and Unico Sky models.

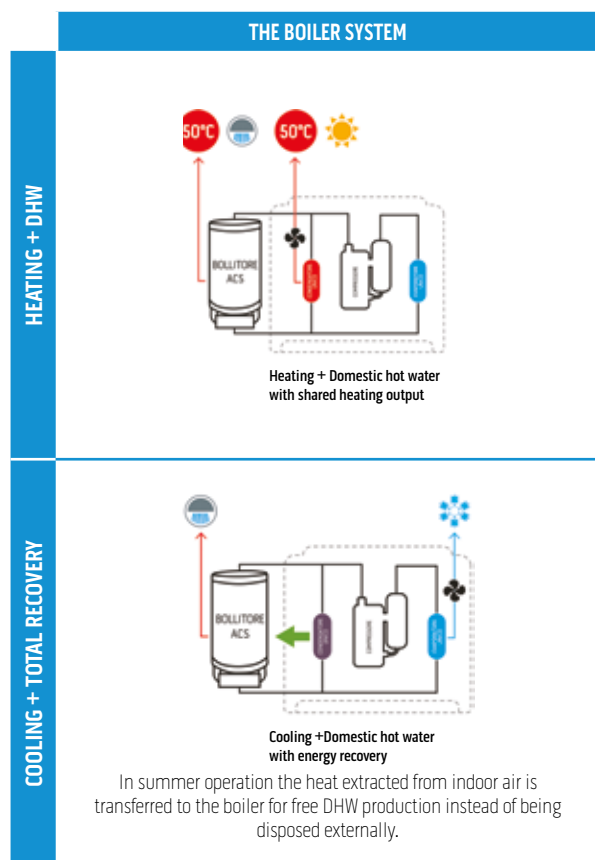
\*Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

\*\*Machine supplied with 202 mm wall opening grilles. Thanks to the maintenance of the same axis of the air intake and output holes and to its configuration. The machine can also be installed with 162 mm diameter openings.



# UNICO® BOILER

The system without external unit which simultaneously air conditions and produces domestic hot water. Inside, two units are connected by a refrigerating circuit: the UNICO unit for air conditioning and the high efficiency boiler for DHW production.



## SYSTEM features

Double class **A**  
 Refrigerant gas R410A\*  
 Installation versatility: top or bottom wall installation;  
 Easy installation: Unico can be installed from the inside within a few minutes  
 Multifunction remote control  
 24 hour Timer

## BOILER MASTER features

Cooling capacity: 2.6 kW  
 HP mode capacity (heat pump): 2.5 kW  
 Installation versatility: top or bottom wall installation  
 Easy installation: Unico Twin can be installed from the inside in a few minutes  
 Large flap for a homogeneous diffusion of the air in the environment

## BOILER WALL features

Heating times: 1h49min (43 min in TURBO\*\* mode)  
 Accumulation capacity: 50 l  
 Electrical power supply: 1,2 kW

## FUNCTIONS

Fan only mode  
 Dehumidification only mode  
 Auto mode: changes parameters depending on ambient temperature.  
 Sleep mode: gradually increases the temperature set and ensures reduced noise for greater wellbeing at night.  
 Cooling  
 Heating  
 Domestic Hot Water  
 Cooling + DHW  
 Heating + DHW

\* Not hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

\*\* With electrical resistance inserted.

PHASE-OUT

Unico Boiler Master

|   |        |               |                 |
|---|--------|---------------|-----------------|
| PRODUCT CODE  |        | OS-01422/09A  |                 |
| EAN CODE  |        | 8021183116700 |                 |
| Nominal cooling capacity (1)                              | Pnom.  | kW            | 2.6             |
| Nominal heating capacity (1)                              | Pnom.  | kW            | 2.5             |
| Nominal power consumption for cooling (1)                 | PEER   | kW            | 0,9             |
| Nominal absorption for cooling (1)                        |        | A             | 4,3             |
| Nominal power consumption for heating (1)                 | PCOP   | kW            | 0,8             |
| Nominal absorption for heating (1)                        |        | A             | 3,5             |
| Nominal energy efficiency index (1)                       | EERd   |               | 2,7             |
| Nominal efficiency coefficient (1)                        | COPd   |               | 3,1             |
| Energy efficiency class in cooling (1)                    |        |               | A               |
| Energy efficiency class in heating (1)                    |        |               | A               |
| Energy consumption in "thermostat off" mode               | PTO    | W             | 14,0            |
| Energy consumption in "standby" mode (EN 62301)           | PSB    | W             | 0,5             |
| Energy consumption for double pipe appliances (1) cooling | QDD    | kWh/h         | 0,9             |
| Energy consumption for double pipe appliances (1) heating | QDD    | kWh/h         | 0,8             |
| Supply voltage  | V-F-Hz |               | 230-1-50        |
| Supply voltage minimum/maximum                            | V      |               | 198 / 264       |
| Maximum power consumption in cooling mode (1)             |        | W             | 1200            |
| Maximum absorption in cooling mode (1)                    |        | A             | 5,4             |
| Maximum power consumption in heating mode (1)             |        | W             | 1080            |
| Maximum absorption in heating mode (1)                    |        | A             | 4,8             |
| Air flow rate in cooling environment (max/med/min)        |        | m³/h          | 490 / 430 / 360 |
| Air flow rate in heating environment (max/med/min)        |        | m³/h          | 450 / 400 / 330 |
| Air flow rate in cooling environment (max/med/min)        |        | m³/h          | 500 / 370 / 340 |
| External air flow rate in heating (max/min)               |        | m³/h          | 500 / 370 / 340 |
| Internal ventilation speed                                |        |               | 3               |
| External ventilation speed                                |        |               | 3               |
| Diameter wall holes                                       | mm     |               | 202*            |
| Dimensions ( W x H x D ) (without packaging)              | mm     |               | 902 x 516 x 229 |
| Weight (without packaging)                                |        | Kg            | 40,5            |
| Internal sound power level (EN 12102)                     | LWA    | dB(A)         | 57              |
| Internal sound pressure (Min Max) (2)                     |        | dB(A)         | 33-42           |
| Degree of protection provided by covers                   |        |               | IP 20           |
| Refrigerant gas*  | Type   |               | R410A           |
| Global warming potential                                  | GWP    | kgCO2 eq.     | 2088            |
| Refrigerant gas charge                                    |        | kg            | 0,85            |
| Power cable (N° pole x section mm2)                       |        |               | 3 x 1,5         |
| Dehumidification capacity                                 |        | l/h           | 1,0             |

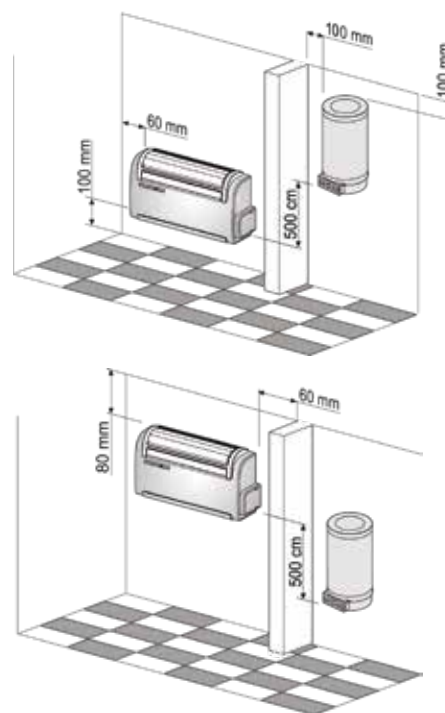
PHASE-OUT

Unico Boiler Wall

|   |       |               |                 |
|---|-------|---------------|-----------------|
| PRODUCT CODE                                |       | OS-01422/09A  |                 |
| EAN CODE                                    |       | 8021183116700 |                 |
| Overall heating efficiency + DHW            |       |               | 2.3             |
| Overall cooling efficiency + DHW            |       |               | 4.0             |
| Heating time *                              | hh:mm |               | 01:49           |
| Heating time BOOST mode **                  | hh:mm |               | 00:43           |
| Electrical power supply                     | W     |               | 1200            |
| Accumulation capacity                       | l     |               | 50              |
| Dimensions                                  | mm    |               | 400 x 416 x 760 |
| Weight without water                        | kg    |               | 25              |
| Insulation thickness                        | mm    |               | 30              |
| Power cable (N° pole x section mm2)         |       |               | 3 x 1           |
| Maximum distance master and boiler          | m     |               | 10              |
| Maximum height difference master and boiler | m     |               | 5               |
| Electrical protection                       |       |               | IPX2            |
| Diameter water connectors                   | "     |               | 1/2 GM          |
| Diameter refrigerant connectors             | "     |               | 3/8 - 1/4       |

\* Not hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088.

\*\* With electrical resistance inserted.



LIMITS OF OPERATING CONDITIONS

|                             |                                |                   |
|-----------------------------|--------------------------------|-------------------|
| Indoor ambient temperature  | Maximum temperature in cooling | DB 35°C - WB 24°C |
|                             | Minimum temperature in cooling | DB 18°C           |
|                             | Maximum temperature in heating | DB 27°C           |
|                             | Minimum temperature in heating | -                 |
| Outdoor Ambient Temperature | Maximum temperature in cooling | DB 43°C - WB 32°C |
|                             | Minimum temperature in cooling | DB -10°C          |
|                             | Maximum temperature in heating | DB 24°C - WB 18°C |
|                             | Minimum temperature in heating | DB -15°C          |

Performance and optimal operation are guaranteed with units operating alternately.

In simultaneous operation ambient air fan speed works at minimum speed. Performance is measured by gas piping at a length of 5 m.

(1) Test condition: data refers to regulation EN14511 - HEATING MODE: outdoor ambient temperature DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C.

(2) Data test declaration in semianechoic room at a distance of 2m, minimum sound pressure with ventilation only.

- By maintaining the same center to center distance of inlet and outlet holes and the possibility of installation with 162 mm diameter holes, models in the Unico Smart, Unico Inverter and Unico Act range may easily substitute previously installed Unico Star and Unico Sky models.

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