

# UNICO<sup>®</sup> R

Designed for the coldest climates.



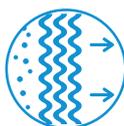
## +2 KW AUXILIARY BACKUP

Suitable even for the coldest temperatures.



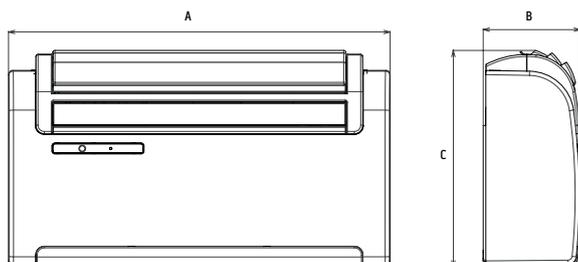
## HEAT PUMP

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

**LIMITS OF OPERATING CONDITIONS**

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