

# UNICO<sup>®</sup> SMART

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

UNICO SMART 10 SF Cod. 01491  
 UNICO SMART 10 HP Cod. 01492  
 UNICO SMART 12 SF Cod. 01493  
 UNICO SMART 12 HP Cod. 01494







Design by King e Miranda

## 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

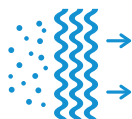
## FUNCTIONS

-  **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.



### HEAT PUMP

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



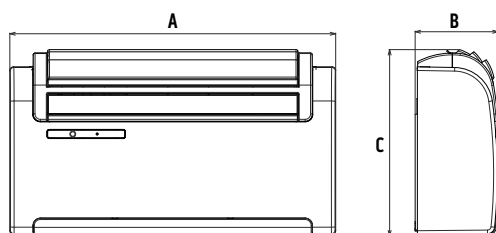
### PURE SYSTEM 2

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



### SUPER COLD

In version number 12 Unico Smart's cooling capacity can reach up to 2.7 kW.



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



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

			UNICO SMART 10 SF	UNICO SMART 10 HP	UNICO SMART 12 SF	UNICO SMART 12 HP
<b>Product code</b>			01491	01492	01493	01494
<b>Cooling power (min/max)</b>		kW	-	-	-	-
<b>Heating power (min/max)</b>		kW	-	-	-	-
<b>Nominal cooling capacity (1)</b>	P rated	kW	❄️ 2,3	❄️ 2,3	❄️ 2,7	❄️ 2,7
<b>Nominal heating capacity (1)</b>	P rated	kW	-	🔥 2,3	-	🔥 2,5
<b>Nominal power consumption for cooling (1)</b>	PEER	kW	0,9	0,9	1,0	1,0
<b>Nominal absorption for cooling (1)</b>		A	3,7	3,7	4,3	4,3
<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	2,6	2,6
<b>Nominal efficiency coefficient (1)</b>	COPd		-	3,1	-	3,1
<b>Energy efficiency class in cooling (1)</b>			A	A	A	A
<b>Energy efficiency class in heating (1)</b>			-	A	-	A
<b>Energy consumption in "thermostat off" mode</b>	PTO		14,0	14,0	14,0	14,0
<b>Energy consumption in "standby" mode (EN 62301)</b>	PSB		0,5	0,5	0,5	0,5
<b>Energy consumption for double pipe appliances (1) cooling</b>	QDD	kWh/h	0,9	0,9	1,0	1,0
<b>Energy consumption for double pipe appliances (1) heating</b>	QDD	kWh/h	-	0,7	-	0,80
<b>Supply voltage</b>	V-F-Hz		230-1-50	230-1-50	230-1-50	230-1-50
<b>Supply voltage minimum/maximum</b>	V		198 / 264	198 / 264	198 / 264	198 / 264
<b>Maximum power consumption in cooling mode (1)</b>		kW	-	-	-	-
<b>Maximum absorption in cooling mode (1)</b>		A	-	-	-	-
<b>Maximum power consumption in heating mode (1)</b>		kW	-	-	-	-
<b>Maximum absorption in heating mode (1)</b>		A	-	-	-	-
<b>Maximum power consumption with electric resistance heating</b>		kW	-	-	-	-
<b>Maximum absorption with electric resistance heating</b>		A	-	-	-	-
<b>Dehumidification capacity</b>		l/h	0,9	1,1	0,9	1,1
<b>Air flow rate in cooling environment (max/med/min)</b>		m³/h	490 / 430 / 360	490 / 430 / 360	490 / 430 / 360	490 / 430 / 360
<b>Air flow rate in heating environment (max/med/min)</b>		m³/h	-	410 / 350 / 270	-	450 / 400 / 330
<b>Air flow rate with electric resistance heating environment</b>		m³/h	-	-	-	-
<b>External air flow rate in cooling (max/min)</b>		m³/h	520 / 350	520 / 350	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	3	3
<b>External ventilation speed</b>			3	3	3	3
<b>Diameter wall holes</b>		mm	162 / 202	162 / 202	162 / 202	162 / 202
<b>Electric resistance heating</b>			-	-	-	-
<b>Maximum range remote control (distance / angle)</b>		m / °	8 / ±80°	8 / ±80°	8 / ±80°	8 / ±80°
<b>Dimensions (Larg. x Alt. x Prof.) (without packaging)</b>		mm	902 x 516 x 229	902 x 516 x 229	902 x 516 x 229	902 x 516 x 229
<b>Dimensions (Larg. x Alt. x Prof.) (with packaging)</b>		mm	980 x 610 x 350	980 x 610 x 350	980 x 610 x 350	980 x 610 x 350
<b>Weight (without packaging)</b>		Kg	40	40	40	40
<b>Weight (with packaging)</b>		Kg	44	44	44	44
<b>Internal sound pressure (Min Max) (2)</b>		dB(A)	33-41	33-41	33-42	33-42
<b>Internal sound power level (EN 12102)</b>	LWA	dB(A)	56	56	57	57
<b>Degree of protection provided by covers</b>			IP 20	IP 20	IP 20	IP 20
<b>Refrigerant gas*</b>	Type		R410A	R410A	R410A	R410A
<b>Global warming potential</b>	GWP	kgCO2 eq.	2088	2088	2088	2088
<b>Refrigerant gas charge</b>		kg	0,48	0,54	0,65	0,55
<b>Maximum operating pressure</b>		MPa	3,6	3,6	3,6	3,6
<b>Power cable (N° pole x section mm²)</b>			3 x 1,5	3 x 1,5	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