

UNICO[®] inverter

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

UNICO INVERTER 9 SF	Cod. 01068
UNICO INVERTER 9 HP	Cod. 01060
UNICO INVERTER 12 SF	Cod. 01067
UNICO INVERTER 12 HP	Cod. 01052
UNICO INVERTER 13 A+ HP	Cod. 01716



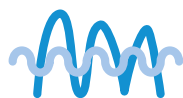
Design by King e Miranda

FEATURES

Two capacity versions Max: 2,16 kW and 2,75 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 homogeneous air diffusion in the room
 Multifunction remote control
 24 hour Timer

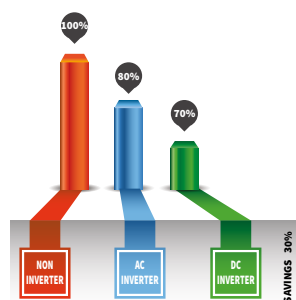
FUNCTIONS

- ⊕ **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.



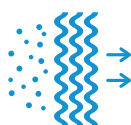
INVERTER SYSTEM

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



HEAT PUMP

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



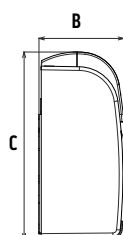
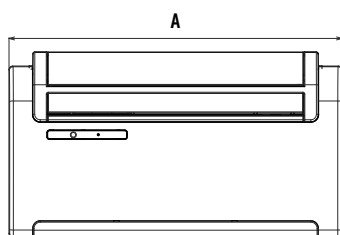
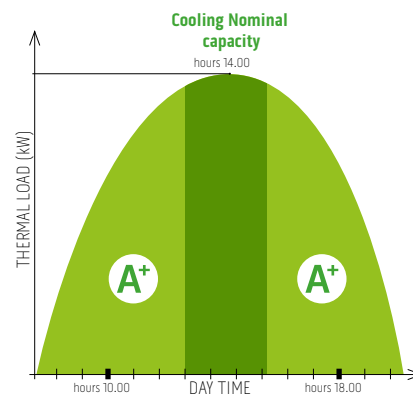
PURE SYSTEM 2

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).



DUAL INVERTER MODE (D.I.M.)

The DIM technological heart is located in an innovative control algorithm to optimize the efficiency when the unit works at 70% of its ambient thermal demand The algorithm allows to satisfy the real thermal demand on the 70% of the total working hours with a reduced consumption of 25% of our traditional UNICO INVERTER. **



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

* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088

** Internal laboratory tests on traditional Olimpia Splendid range

			OUT OF STOCK	OUT OF STOCK			OUT OF STOCK
			UNICO INVERTER 9 SF	UNICO INVERTER 9 HP	UNICO INVERTER 12 SF	UNICO INVERTER 12 HP	UNICO INVERTER 13 A+ HP
Product code			01068	01060	01067	01052	01716
Cooling power (min/max)		kW	1,4 / 2,75	1,4 / 2,75	1,8 / 3,25	1,8 / 3,25	1,8 / 3,15
Heating power (min/max)		kW	-	1,4 / 2,9	-	1,8 / 3,25	1,8 / 3,05
Nominal cooling capacity (1)	P rated	kW	❄️ 2,3	❄️ 2,3	❄️ 2,7	❄️ 2,7	❄️ 2,0
Nominal heating capacity (1)	P rated	kW	-	🔥 2,4	-	🔥 2,7	🔥 2,7
Nominal power consumption for cooling (1)	PEER	kW	0,9	0,9	1,0	1,0	0,6
Nominal absorption for cooling (1)		A	3,9	3,9	4,6	4,6	2,8
Nominal power consumption for heating (1)	PCOP	kW	-	0,8	-	0,8	0,8
Nominal absorption for heating (1)		A	-	3,4	-	3,8	3,8
Nominal energy efficiency index (1)	EERd		2,7	2,7	2,7	2,7	3,1
Nominal efficiency coefficient (1)	COPd		-	3,2	-	3,2	3,2
Energy efficiency class in cooling (1)			A	A	A	A	A+
Energy efficiency class in heating (1)			-	A	-	A	A
Energy consumption in "thermostat off" mode	PTO		12,0	12,0	12,0	12,0	12
Energy consumption in "standby" mode (EN 62301)	PSB		0,5	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	0,9
Energy consumption for double pipe appliances (1) heating	QDD	kWh/h	-	0,8	-	0,8	0,8
Supply voltage	V-F-Hz		230-1-50	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	198 / 264
Maximum power consumption in cooling mode (1)		kW	0,46-1,30	0,46-1,30	0,58-1,40	0,58-1,40	0,58-1,40
Maximum absorption in cooling mode (1)		A	2,1-5,8	2,1-5,8	2,7-6,4	2,7-6,4	2,4-6,1
Maximum power consumption in heating mode (1)		kW	-	0,42-1,2	-	0,53-1,30	0,53-1,30
Maximum absorption in heating mode (1)		A	-	1,9-5,3	-	2,4-5,9	2,4-5,9
Maximum power consumption with electric resistance heating		kW	-	-	-	-	-
Maximum absorption with electric resistance heating		A	-	-	-	-	-
Dehumidification capacity	l/h		1,0	1,0	1,1	1,1	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	490 / 430 / 360
Air flow rate in heating environment (max/med/min)	m³/h		-	490 / 430 / 360	-	490 / 430 / 360	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	520/350	520/350	500/340	500/340
External air flow rate in heating (max/min)	m³/h		-	520 / 350	-	500 / 340	500/340
Internal ventilation speed			3	3	3	3	3
External ventilation speed			6	6	6	6	1
Diameter wall holes	mm		202*	202*	202*	202*	202
Electric resistance heating			-	-	-	-	-
Maximum range remote control (distance / angle)	m / °		8 / ±80°	8 / ±80°	8 / ±80°	8 / ±80°	8 / ±80°
Dimensions (Larg. x Alt. x Prof.) (without packaging)	mm		902 x 506 x 229	902 x 506 x 229	902 x 506 x 229	902 x 506 x 229	902 x 506 x 229
Dimensions (Larg. x Alt. x Prof.) (with packaging)	mm		980 x 610 x 350	980 x 610 x 350	980 x 610 x 350	980 x 610 x 350	980 x 610 x 350
Weight (without packaging)	Kg		39	39	39	40	39
Weight (with packaging)	Kg		43	43	43	43	42
Internal sound pressure (Min Max) (2)		dB(A)	🔊 33-42	🔊 33-42	🔊 33-43	🔊 33-43	🔊 33-43
Internal sound power level (EN 12102)	LWA	dB(A)	57	57	58	58	58
Degree of protection provided by covers			IP 20	IP 20	IP 20	IP 20	IP 20
Refrigerant gas*	Type		R410A	R410A	R410A	R410A	R410A
Global warming potential	GWP	kgCO2 eq.	2088	2088	2088	2088	2088
Refrigerant gas charge	kg		0,57	0,57	0,57	0,58	0,50
Maximum operating pressure	MPa		3,6	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	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