UNICO® INVERTER

Italian design by:
KING & MIRANDA DESIGN

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 you can replace or support traditional heating in intermediate seasons.

PURE SYSTEM 2

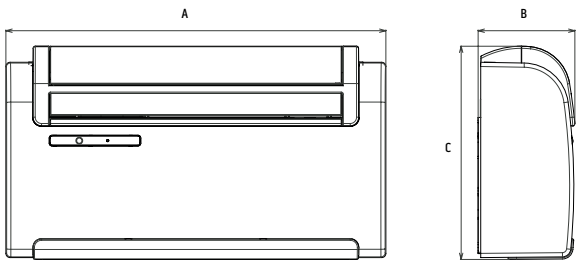
A multi-filtering system which combines an electrostatic filter (which eliminates small particles such as smoke, dust, pollen and pet hair, helping to prevent the insurgence of allergic reactions) with an activated carbon filter (which eliminates bad odors and inactivates any harmful gas).

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)			A	A
Energy efficiency class in heating (1)			-	A
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.