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

Design by King e Miranda

FEATURES

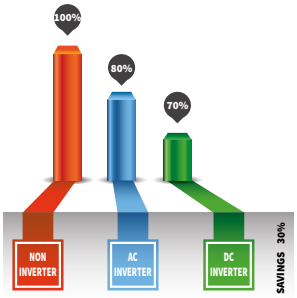
Two capacity versions: 2.3 kW – 2.7 kW
Available in versions: SF (Cooling only) - HP (Heat Pump)
Double class A
Refrigerant gas R410A*
Installation versatility: top or bottom wall
Easy installation: Unico can be installed from the inside in a few minutes
Wireless wall control (Optional)
Large flap for 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.

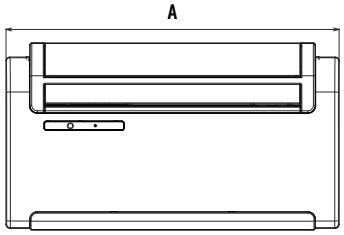


HEAT PUMP

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).



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

* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088

			UNICO INVERTER 9 SF	UNICO INVERTER 12 SF	UNICO INVERTER 9 HP	UNICO INVERTER 12 HP
Product code			01068	01067	01060	01052
Nominal cooling capacity (1)	P rated	kW	2,3	2,7	2,3	2,7
Cooling power (min/max) (1)		kW	1,4 / 2,7	1,8 / 3,1	1,4 / 2,7	1,8 / 3,1
Nominal heating capacity (1)	P rated	kW	-	-	2,4	2,7
Heating power (min/max) (1)		kW	-	-	1,4 / 2,7	1,8 / 3,0
Nominal power consumption for cooling (1)	PEER	kW	0,9	1,0	0,9	1,0
Power consumption for cooling (min/max) (1)		kW	0,46 / 1,30	0,58 / 1,40	0,46 / 1,30	0,58 / 1,40
Nominal absorption for cooling (1)		A	3,9	4,6	3,9	4,6
Absorption for cooling (min/max) (1)		A	2,1 / 5,8	2,7 / 6,4	2,1 / 5,8	2,7 / 6,4
Nominal power consumption for heating (1)	PCOP	kW	-	-	0,8	0,8
Power consumption for heating (min/max) (1)		kW	-	-	0,42 / 1,20	0,53 / 1,30
Nominal absorption for heating (1)		A	-	-	3,4	3,8
Absorption for heating (min/max) (1)		A	-	-	1,9 / 5,3	2,4 / 5,9
Nominal energy efficiency index (1)	EERd		2,7	2,7	2,7	2,7
Nominal efficiency coefficient (1)	COPd		-	-	3,2	3,2
Energy efficiency class in cooling (1)			A	A	A	A
Energy efficiency class in heating (1)			-	-	A	A
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	QDD	kWh/h	0,9	1,0	0,9	1,0
Energy consumption for double pipe appliances (1) heating	QDD	kWh/h	-	-	0,8	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)		W	1300	1400	1300	1400
Maximum absorption in cooling mode (1)		A	5,8	6,4	5,8	6,4
Maximum power consumption in heating mode (1)		W	-	-	1200	1300
Maximum absorption in heating mode (1)		A	-	-	5,3	5,8
Maximum power consumption with electric resistance heating		W	-	-	-	-
Maximum absorption with electric resistance heating		A	-	-	-	-
Dehumidification capacity		l/h	1,0	1,1	1,0	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	-	-	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
External air flow rate in heating (max/min)		m³/h	-	-	520 / 350	500 / 340
Internal ventilation speed			3	3	3	3
External ventilation speed			6	6	6	6
Diameter wall holes		mm	202*	202*	202*	202*
Electric resistance heating			-	-	-	-
Maximum range remote control (distance / angle)		m / °	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
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
Weight (without packaging)		Kg	39	39	39	40
Weight (with packaging)		Kg	43	43	43	43
Sound pressure (Min Max) (2)		dB(A)	33-42	33-43	33-42	33-43
Sound pressure level (only internal) (EN 12102)	LWA	dB(A)	57	58	57	58
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	0,57	0,57	0,57	0,58
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 CONDITIONS: data refers to regulation EN14511
(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