

UNICO R

With auxiliary backup, for the harshest climates

Cod. 01495

Cod. 01496



CONDENSATION DRAIN
Mandatory.



RECLAIMED REFRIGERANT

It uses R410A reclaimed refrigerant gas. This refrigerant, identical to virgin refrigerant in purity and specifications, is reclaimed from existing industrial processes and subsequently re-processed. By avoiding the production of virgin refrigerant, Unico contributes to the development of a circular economy.



+2 KW AUXILIARY BACKUP

Unico R is designed for the coldest temperatures. When the outdoor ambient temperatures are below 2°C, the heating mode is obtained by activating the electric heating elements and the fan only. For temperatures above 2°C, heating is obtained by means of a heat pump. The management of one or the other mode is completely automatic.



HEAT PUMP

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

FEATURES

Two power models: 2.3 kW - 2.7 kW
Available in the versions: HP (Heat Pump)
Cooling class **A**
Reclaimed R410A refrigerant gas
Bottom installation recommended, for enhanced air distribution
Equipped with a multi-filtering system, consisting of an electrostatic filter (with anti-dust function) and activated carbon filter (effective against unpleasant odours).
Multifunction remote control

FUNCTIONS

Cooling, heating, dehumidification and ventilation

Auto function: modulates the operating parameters in relation to the room temperature.

Sleep function: gradually increases the set temperature and ensures reduced noise for better night-time well-being.

24 H timer



			Unico Easy S1 SF	Unico Easy S1 HP	Unico R10 HP	Unico R12 HP
PRODUCT CODE			02037	02036	01495	01496
EAN CODE			8021183020373	8021183020366	8021183014952	8021183014969
Cooling power (min/max)		kW	-	-	-	-
Heating power (min/max)		kW	-	-	-	-
Nominal cooling capacity (1)	Prated	kW	2,0	2,0	2,3	2,7
Nominal heating capacity (1)	Prated	kW	-	1,8	2,3	2,5
Nominal power consumption for cooling (1)	PEER	kW	0,8	0,8	0,9	1,0
Nominal absorption for cooling (1)	A		3,45	3,45	3,70	4,30
Nominal power consumption for heating (1)	PCOP	kW	-	0,7	0,7	0,8
Nominal absorption for heating (1)	A		-	3,00	3,0	3,3
Nominal energy efficiency index (1)	EERd		2,6	2,6	2,6	2,6
Nominal efficiency coefficient (1)	COPd		-	2,7	3,1	3,1
Energy efficiency class in cooling (1)						
Energy efficiency class in heating (1)			-			
Energy consumption in "thermostat off" mode	PTO	W	1,0	1,0	14,0	14,0
Energy consumption in "standby" mode (EN 62301)	PSB	W	0,5	0,5	0,5	0,5
Energy consumption for double pipe appliances (1) - cooling function	QDD	kWh/h	0,8	0,8	0,9	1,0
Energy consumption for double pipe appliances (1) - heating function	QDD	kWh/h	-	0,7	0,7	0,8
Supply voltage	V-F-Hz		220/240-1-50	220/240-1-50	230-1-50	230-1-50
Supply voltage (min/max)	V		198 / 264	198 / 264	198 / 264	198 / 264
Maximum power consumption in cooling mode		kW	1,027	1,036	0,9	1,1
Maximum absorption in cooling mode		A	5,46	5,55	3,9	4,8
Maximum power consumption in heating mode		kW	-	1,036	0,9	1,1
Maximum absorption in heating mode		A	-	5,6	3,8	4,7
Maximum power consumption with electric resistance heating		kW	-	-	2,0	2,0
Maximum absorption with electric resistance heating		A	-	-	8,7	8,7
Dehumidification capacity		l/h	2,2	2,2	0,9	1,1
Air flow rate in cooling environment (max/med/min)		m³/h	405 / 370 / 335	405 / 370 / 335	490 / 430 / 360	490 / 430 / 360
Air flow rate in heating environment (max/med/min)		m³/h	-	405 / 370 / 335	410 / 350 / 270	490 / 400 / 330
Air flow rate with electric resistance heating environment		m³/h	-	-	490	490
External air flow rate in cooling (max/min)		m³/h	505 / 0	505 / 0	520 / 350	500 / 340
External air flow rate in heating (max/min)		m³/h	-	505 / 0	520 / 350	500 / 340
Internal ventilation speed			3	3	3	3
External ventilation speed			2	2	3	3
Diameter wall holes**		mm	162	162	162/202	162/202
Electric resistance heating			-	-	2000	2000
Maximum remote control range (distance/angle)		m / °	8 / ±80°	8 / ±80°	8 / ±80°	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	693 x 665 x 276	693 x 665 x 276	902 x 516 x 229	902 x 516 x 229
Dimensions (WxHxD) (with packaging)		mm	770 x 865 x 421	770 x 865 x 423	980 x 610 x 350	980 x 610 x 350
Weight (without packaging)		kg	36	35,6	40	40
Weight (with packaging)		kg	41	40,9	44	44
Internal sound power level (EN 12102)	LWA	dB(A)	60	60	56	57
Internal sound pressure (min/max) (2)		dB(A)	-	-	33-41	33-42
Degree of protection provided by covers			IP X0	IPX0	IP 20	IP 20
Refrigerant gas*	Type		R410A	R410A	R410A reclaimed	R410A reclaimed
Global warming potential	GWP		2088	2088	2088	2088
Refrigerant gas charge	kg		0,51	0,515	0,65	0,55
Maximum operating pressure	MPa		4,2	4,2	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 32°C – WB 24°C	DB 35°C - WB 24°C
	Minimum temperature in cooling	DB 18°C	DB 18°C
	Maximum temperature in heating	DB 27°C	DB 27°C
	Minimum temperature in heating	-	-
Outdoor ambient temperature	Maximum temperature in cooling	DB 43°C - WB 32°C	DB 43°C - WB 32°C
	Minimum temperature in cooling	-	-
	Maximum temperature in heating	DB 24°C - WB 18°C	DB 24°C - WB 18°C
	Minimum temperature in heating	DB -5°C	DB -15°C

(1) Test conditions: the data refer to the EN14511 standard - HEATING MODE: Temperature: outdoor environment DB 7°C / WB 6°C; indoor environment DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor environment DB 27°C / WB 19°C

(2): Declaration of test data in a semi-anechoic chamber at a distance of 2m, minimum pressure in ventilation only.

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

** Unico R is supplied with 202 mm wall opening grilles. If necessary, to replace an old Unico, the machine can also be installed with holes of 162 mm in diameter.