

# UNICO TWIN

The only system to air condition two rooms without outdoor units



## TWIN TECHNOLOGY

Twin technology allows the use of the two units (Master unit and Wall unit) simultaneously or separately depending on requirements, both in heating and cooling mode.



## HEAT PUMP

Operation also in heat pump, to replace traditional heating in intermediate seasons or to enhance it.

## SYSTEM features

Autonomous or combined operation: if simultaneous operation is chosen, the two units share the available power\*  
 Available in the versions: HP (Heat Pump)  
 Cooling class **A**  
 R410A refrigerant gas\*\*  
 Equipped with a multi-filtering system, consisting of an electrostatic filter (with anti-dust function) and activated carbon filter (effective against unpleasant odours).  
 Double multifunction remote control  
 24h timer

## MASTER features

Cooling capacity: 2.6 kW  
 HP mode capacity (heat pump): 2.5 kW  
 Installation versatility: top or bottom wall installation  
 Possible glass installation\*  
 Easy installation: Unico Twin can be installed from the inside in a few minutes  
 Large flap for a homogeneous diffusion of the air in the environment.

## WALL features

Nominal cooling capacity: 2.5 kW  
 Nominal heating capacity: 2.2 kW  
 Sound power level: 46 dB(A)

## 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.



UNICO TWIN MASTER			
A	B	C	Weight
902 mm	229 mm	516 mm	40,5 kg

\* In simultaneous operation the internal units are forced to minimum speed.

\*\* Non hermetically sealed equipment containing fluorinated GAS with GWP equivalent to 2088.

				Unico Twin Master	
<b>PRODUCT CODE</b>				01273	
<b>EAN CODE</b>				8021183012736	
Nominal cooling capacity (1)	Pnom.	kW		2.6	
Nominal heating capacity (1)	Pnom.	kW		2.5	
Nominal power consumption for cooling (1)	PEER	kW		0,9	
Nominal absorption for cooling (1)		A		4,3	
Nominal power consumption for heating (1)	PCOP	kW		0,8	
Nominal absorption for heating (1)		A		3,5	
Nominal energy efficiency index (1)	EERd			2,7	
Nominal efficiency coefficient (1)	COPd			3,1	
Energy efficiency class in cooling (1)				A	
Energy efficiency class in heating (1)				A	
Energy consumption in "thermostat off" mode	PTO	W		14,0	
Energy consumption in "standby" mode (EN 62301)	PSB	W		0,5	
Energy consumption for double pipe appliances (1) cooling	QDD	kWh/h		0,9	
Energy consumption for double pipe appliances (1) heating	QDD	kWh/h		0,8	
Supply voltage	V-F-Hz			230-1-50	
Supply voltage (min/max)	V			198 / 264	
Maximum power consumption in cooling mode		W		1200	
Maximum absorption in cooling mode		A		5,4	
Maximum power consumption in heating mode		W		1080	
Maximum absorption in heating mode		A		4,8	
Dehumidification capacity		l/h		1,1	
Air flow rate in cooling environment (max/med/min)		m³/h		490 / 430 / 360	
Air flow rate in heating environment (max/med/min)		m³/h		450 / 400 / 330	
Air flow rate in cooling environment (max/med/min)		m³/h		500 / 370 / 340	
External air flow rate in heating (max/min)		m³/h		500 / 370 / 340	
Internal ventilation speed				3	
External ventilation speed				3	
Diameter wall holes**		mm		162/202	
Dimensions ( W x H x D ) (without packaging)		mm		902 x 516 x 229	
Weight (without packaging)		Kg		40,5	
Internal sound power level (EN 12102)	LWA	dB(A)		57	
Internal sound pressure (Min/Max) (2)		dB(A)		33-42	
Degree of protection provided by covers				IP 20	
Refrigerant gas*		Type		R410A	
Global warming potential	GWP			2088	
Refrigerant gas charge		kg		0,78	
Power cable (N° pole x section mm²)				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>	-
	<b>Maximum temperature in heating</b>	DB 24°C - WB 18°C
	<b>Minimum temperature in heating</b>	DB -15°C

Performance and optimal operation are guaranteed with units operating alternately. In simultaneous operation ambient air fan speed works at minimum speed. Performance is measured by gas piping at a length of 5 m.

(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.

\*Not 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

				Unico Twin Wall S1	
<b>PRODUCT CODE</b>				01996	
<b>EAN CODE</b>				8021183019964	
Nominal cooling capacity (1)		kW		2,5	
Nominal heating capacity (1)		kW		2,2	
Nominal power consumption for cooling (1)		kW		0,9	
Nominal absorption for cooling (1)		A		4,2	
Nominal power consumption for heating (1)		kW		0,7	
Nominal absorption for heating (1)		A		3,2	
Maximum power consumption in cooling mode (1)		W		1200	
Maximum absorption in cooling mode (1)		A		5,4	
Maximum power consumption in heating mode (1)		W		1080	
Maximum absorption in heating mode (1)		A		4,8	
Dehumidification capacity		l/h		1,0	
Air flow rate in cooling environment (max/med/min)		m³/h		310 / 230 / 180	
Air flow rate in heating environment (max/med/min)		m³/h		470 / 360 / 310	
Internal ventilation speed				3	
Dimensions ( W x H x D ) (without packaging)		mm		805 x 285 x 194	
Weight (without packaging)		Kg		7,5	
Internal sound power level (EN 12102)		dB(A)		46	
Internal sound pressure (Min Max) (2)		dB(A)		25-36	
Degree of protection provided by covers				IP X1	
Power cable (N° pole x section mm²)				3 x 1	
Connecting liquid pipeline diameter		inch - mm		1/4 - 6,35	
Connecting gas pipeline diameter		inch - mm		3/8 - 9,52	
Maximum piping length		m		10	
Maximum height difference		m		5	

## Easy installation



### MASTER UNIT

Thanks to the template included in the package, the MASTER unit is installed, completely from the inside and in a few minutes, with the two holes of 202 mm diameter in the first room to bear conditioned.



The MASTER unit is connected to the WALL unit, thanks to the gas connection on the right side of the unit. Maximum length refrigerant lines: 10 meters.



### WALL UNIT

The WALL unit is installed on the wall of the second room to be air conditioned.