



UNICO TWIN



The only system to air condition two rooms without outdoor units



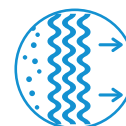
TWIN TECHNOLOGY

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.



PURE SYSTEM

Equipped with a multi-filtering system, consisting of an electrostatic filter (with anti-dust function) and activated carbon filter (effective against unpleasant odours).



HEAT PUMP

Heat pump air conditioner. Thanks to this feature you can replace or support traditional heating in intermediate seasons (only in HP version).



SYSTEM features

- Power: 2.6 kW for the master unit and 2.5 kW for the wall unit
- Independent or combined operation: if simultaneous operation is chosen, the two units share the available power and are forced to the minimum available speed
- Available in the version: HP (heat pump)
- Cooling class: **A**
- Coolant gas: R410A
- Equipped with a multi-filtration system, consisting of an electrostatic filter (with anti-dust function) and an activated carbon filter (effective against odours).
- Dual multi-function 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**

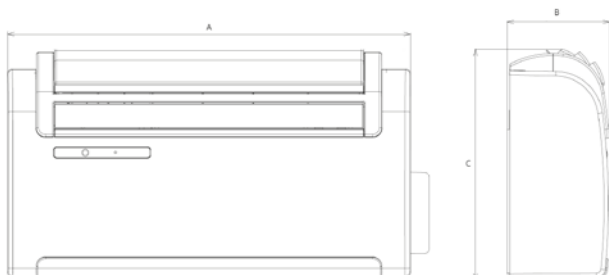
MASTER features

- Cooling capacity: 2.6 kW
- Capacity in HP (heat pump) function: 2.5 kW
- Installation versatility: Top or bottom wall installation.
- Ease of installation: Unico Twin is installed completely from the inside in a few minutes.
- Wide flap for a homogeneous diffusion of the air into the room.

WALL features

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

DIMENSIONS AND WEIGHT



UNICO TWIN MASTER		
A	mm	902
B	mm	229
C	mm	516
Weight	kg	40.5

TECHNICAL DATA			Unico Twin Master	
PRODUCT CODE			01273	
EAN CODE			8021183012736	
Nominal cooling capacity (1)	Prated	kW	2,6	
Nominal heating capacity (1)	Prated	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 function	QDD	kWh/h	0,9	
Energy consumption for double pipe appliances (1) heating function	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 (WxHxD) (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	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	-
	Maximum temperature in heating	DB 24°C - WB 18°C
	Minimum temperature in heating	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 with 5 m gas pipes.

(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.

* Equipment not hermetically sealed containing fluorinated gases with an equivalent GWP of 2088.

** Machine 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.

TECHNICAL DATA			Unico Twin Wall S1	
PRODUCT CODE				
EAN CODE				
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 (WxHxD) (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 (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	

Ease of installation



MASTER UNIT

Thanks to the practical template with two 202 mm holes included in the packaging, in minutes you can install, completely from the inside, the MASTER unit in the first room to be climate-controlled.



The MASTER unit is connected to the WALL unit, thanks to the refrigeration taps housed on the right-hand side of the unit. Maximum length of refrigerant lines of 10 metres. It is not possible to add gas beyond the pre-charge.



WALL UNIT

The WALL unit is installed on the wall, in the second room to be climate-controlled.