

UNICO® boiler

MASTER Cod. 01422
WALL Cod. 599509A

The system without external unit which simultaneously air conditions and produces **domestic hot water**. Inside, two units are connected by a refrigerating circuit: the UNICO unit for air conditioning and the **high efficiency boiler** for DHW production.



Design by Olimpia Splendid

FEATURES of the system

Double class **A**
Refrigerant gas R410A*
Installation versatility: top or bottom wall installation;
Easy installation: Unico can be installed from the inside within a few minutes
Multifunction remote control
24 hour Timer

BOILER MASTER features

Cooling capacity: 2.6 kW
HP mode capacity (heat pump): 2.5 kW
Installation versatility: top or bottom wall 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

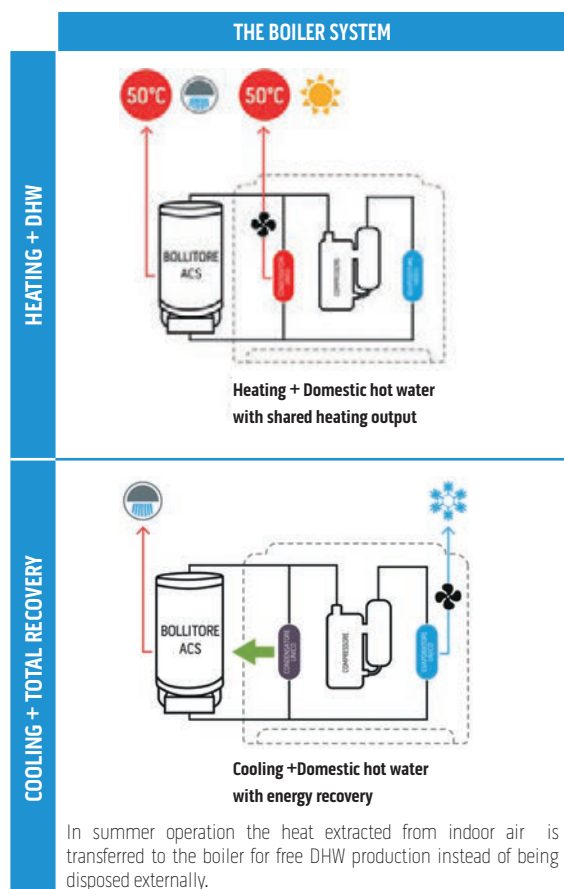
BOILER WALL features

- ☑ **Heating times:** 1h49min (43 min in TURBO** mode)
- ☑ **Accumulation capacity:** 50 l
- ☑ **Electrical power supply:** 1,2 kW

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.

Cooling
Heating
Domestic Hot Water
Cooling + DHW
Heating + DHW



* Not hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088
** With electrical resistance inserted

		UNICO BOILER MASTER	
Product code		01422	
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 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 minimum/maximum	V	198 / 264	
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	1,1	
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	
External air flow rate in cooling (max/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	202*	
Dimensions (Larg. x Alt. x Prof.) (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 kgCO2 eq.	2088	
Refrigerant gas charge	kg	0,85	
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	DB -10°C
	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 by gas piping at a length of 5 m.

- (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.
 * Not hermetically sealed equipment containing fluorinated gas with GWP equivalent 2088

		UNICO BOILER WALL	
Product code		599509A	
Overall heating efficiency + DHW		🔥 2,3	
Overall cooling efficiency + DHW		4,0	
Heating time *	hh:mm	🕒 01:49	
Heating time BOOST mode **	hh:mm	🕒 00:43	
Electrical power supply	W	1200	
Accumulation capacity	l	50	
Dimensions	mm	400 x 416 x 760	
Weight without water	kg	25	
Insulation thickness	mm	30	
Power cable (N° pole x section mm²)		3x1	
Maximum distance master and boiler	m	10	
Maximum height difference master and boiler	m	5	
Electrical protection		IPX2	
Diameter water connectors	"	1/2 GM	
Diameter refrigerant connectors	"	3/8	

*values obtained in accordance with regulation EN 16147 indoor air temperature 20°C, external air 7°C RH 85%,inlet water at 10°C and temperature set at 55°C

** with active electrical resistance

