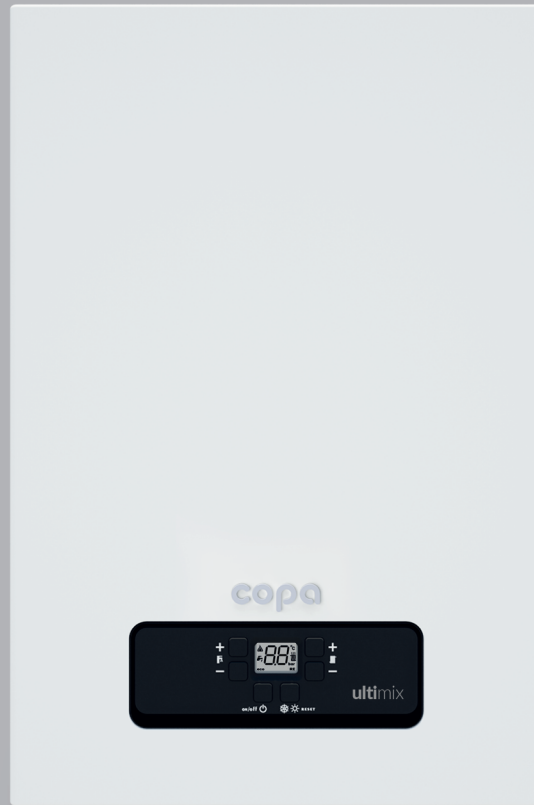


copa

ultimix
premix
wall hung
gas boiler



Customer Service

 **444 2672**
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copa.com.tr/en    /copahvac

Efficient Burning with New Premix Technology

New technology integrated air/gas mixers, modulated fan and cylindrical stainless steel burner with wide burning surface and micro flame is used in Ultimix Wall Hung Gas Boilers. Thanks to this technology high efficient burning is provided by ideally mixed gas in air/gas mixer before burner.

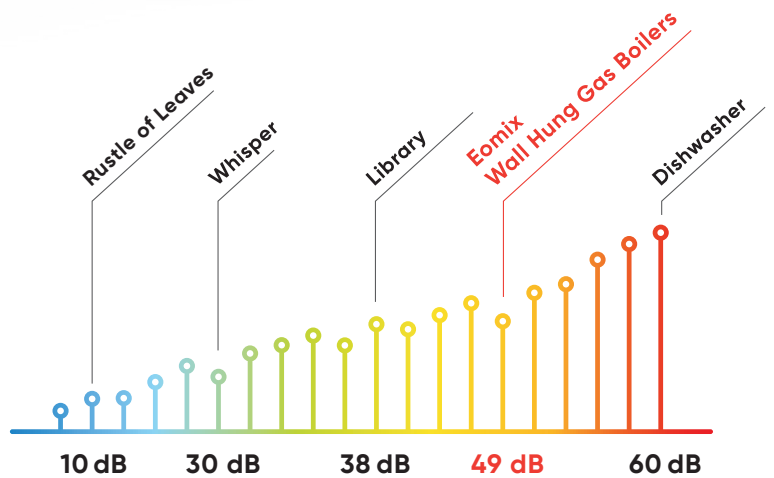
High Efficiency with Special Design COPA Heat Exchanger

Ultimix Wall Hung Gas Boilers provide higher capacity and efficiency during life cycle thanks to special COPA design, high efficient stainless steel heat exchanger. Heat exchanger has 10% more heating surface area thanks to 11.5 coil without any welded sections. Heat exchanger is extremely durable and long-lasting against hard condensing water in flue gas.



Lower Noise with Special Design Silencer

Ultimix Wall Hung Gas Boilers run by minimizing working noise thanks to special designed silencer which is used at the entrance of fresh air duct.



Feel Comfort in Domestic Hot Water

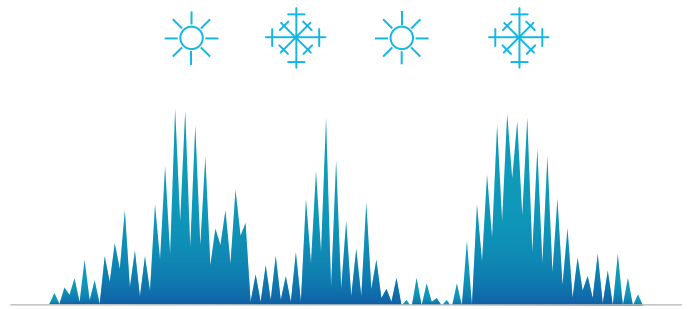
Ultimix Wall Hung Gas Boilers provide maximum hot water comfort at home with uninterrupted and very fast hot water flow thanks to higher heating capacity, plate heat exchanger and high water flow.

Non Stop Hot Water Comfort



Wide Modulation Range

Thanks to the gas valve with a wide modulation range, by adjusting its capacity according to the need, the stop-start operation of the burner is prevented, heating comfort is increased, system losses are minimized and harmful substance emissions during ignition are reduced.



Compact Size

It is also easily mounted in narrow spaces with its compact size which is the same in all capacities.



Electricity Saving Thanks to the Modulation Circulation Pump

With the modulating pump system that can change the speed used in Ultimix wall hung gas boilers, the electricity consumption of the wall hung gas boilers is reduced. At the same time, the wall hung gas boilers works in harmony with all small/large installations.



Ease of Installation and Maintenance

Ultimix wall hung gas boilers are designed to offer easy assembly, maintenance and service-friendly solutions with their technological and component details.



TECHNOLOGICAL ADVANTAGES



Full Thermo Acoustic Isolation

Ultimix wall hung gas boilers work extremely silently and also prevent heat loss thanks completely covered interior body with soft insulating material for noise and heat insulation.



LCD Display

Many operations can be carried out at the same time from the large easy to use LCD screen with lighting and integrated with the ergonomically designed electronic card of Ultimix wall hung gas boilers.



Premix Technology

High efficiency combustion is achieved in the optimum way by mixing the gas and air before going to the burner that is required for combustion with the frequency controlled fan which achieves the ideal amount of air in each capacity.



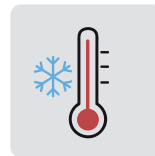
Capacity Options

Ultimix wall hung gas boilers have 3 different capacity options up to 20 kW, 24 kW, and 35kW



Condensation Technology

The flue gas resulting from the combustion process transfers the heat energy inside it to the return water in the heating circuit. Efficiency is improved by maximizing fuel energy and the NOx and CO₂ ratios emitted to the environment are reduced.



Frost Protection Feature

Ultimix wall hung gas boilers prevents damage to the installation due to freezing and protect the boiler and the installation against any damage thanks to the protection feature that is automatically activated according to the values taken from the sensors in it.



Low Pressure Feature

Ultimix wall hung gas boilers also operate at high performance in case of low gas inlet pressure thanks to the gas control system.



Digital Capacity Setting

Different capacity settings can be made according to the size of the house and heat loss. Ultimix wall hung gas boilers provide high efficiency by consuming power at the rate needed instead of excess thermal power by precisely and digitally setting the thermal power.



Environmentally Friendly

Ultimix wall hung gas boilers comply with ErP regulations and have low emission values and protect the environment thanks to its condensation technology.



Eco / Comfort Mode

Through the e/c touch screen on the control panel of the Ultimix wall hung gas boilers, more efficient heating is achieved with the Eco mode and also warming up is performed in a shorter time with the Comfort mode.



Eco-Panel Feature with Outside Air Sensor Connection

With the software of Ultimix wall hung gas boilers, the outdoor sensor can be connected as an option. In this way, the radiator inlet water temperature is set depending on the outside air temperature in the boilers that turn into eco-panels. This system guarantees maximum comfort and also saves energy by preventing temperature fluctuations.

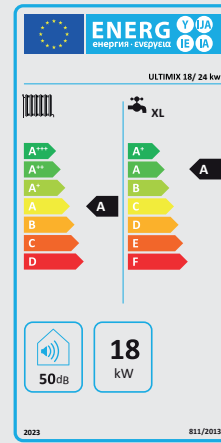
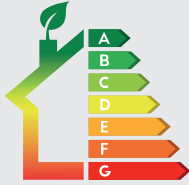


14 Different Safety Systems

Ultimix wall hung gas boilers have 14 different safety systems. In this way, it works safely with high performance and long service life.

Class A High Efficiency

Class A has high seasonal efficiency in both central heating and domestic hot water. It complies with the ErP Regulation put into effect by European Union.



Ultimix Wall Hung Gas Boilers Technical Specifications

MODEL		COPA Ultimix 18	COPA Ultimix 24
Installation Circuit			
Maximum thermal load	kW	18.5	24
Minimum thermal load	kW	4.4	3.9
Maximum thermal power (80/60)	kW	17.5	23.3
Minimum thermal power (80/60)	kW	4.3	3.76
Maximum thermal power (30/50)	kW	19	25.3
Minimum thermal power (30/50)	kW	6	3.92
Efficiency class (92/42 EEC)		A	A
Central Heating System Temperature	°C	30-89	30-89
Maximum installation pressure	bar	3	3
Gas inlet pressure	mbar	20-37	20
Expansion tank capacity	Lt.	8	8
NOX class (EN 15502)		6	6
Condensate amount (30/50 °C Max)	l/m	1,3	1,3
Pump type		15/60	15/60
Gas category		I _{2H} I _{2E}	I _{2H} I _{2E}
Type Of The Gas		Natural Gas	Natural Gas
Gas consumption (related to normal conditions 15 oC, 1013,25 mbar)	m ³ /h	Max. Heat Input 2,52 Min. Heat Input 0,45	Max. Heat Input 2,52 Min. Heat Input 0,45
Working combustion products temperature	°C	Max. Heat Input 72 Min. Heat Input 69	Max. Heat Input 72 Min. Heat Input 69
Mass flow rate of combustion products	g/s	Max. Heat Input 11 Min. Heat Input 3	Max. Heat Input 11 Min. Heat Input 3
Domestic Water System			
Maximum Heat Input	kW	24	24
Specific water flow rate (dT=30 °C)	L/m	11.6	11.6
Minimum water flow rate	Lt	2	2
Operating temperature range	°C	30-65	30-65
Maximum water pressure	bar	8	8
Minimum water pressure	bar	0,5	0,5
Average Temperature of Flue	°C	67	67
Mass Flow Rate Of Combustion Products In DhW Mode	G/S	11	11
Electricity Specifications			
Electric voltage		230V/50Hz	230V/50Hz
IP protection class		IPX4D	IPX4D
Electrical Consumption	W	82	82
Chimney Applications			
Chimney types		C13-C53-C83	C13-C53-C83
Vertical Maximum chimney length	m	20	20
Horizontal Maximum chimney length	m	6	6
Chimney outlet (waste-fresh air)	mm	60/100	60/100
Standard pipe length	m	0,8	0,8
Dimensions			
Dimensions (Width x Length x Depth)	mm	400 x 600 x 320	400 x 600 x 320
Net Weight	kg	28.5	28.5



COPA ISI SİSTEMLERİ SAN. VE TİC A.Ş.

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