

**Unical**

WOOD LOGS • PELLET RANGE

NEWS 2024





Unical, motivated by technological innovation, has always transformed its interesting intuitions into reality, for the benefit of the wider public, making the products, even if highly technological, very “user-friendly”. Unical products are safe, easy to clean and use. Conceived as furnishing elements, Unical stoves and hydro-stoves fit harmoniously into the living environment, while boilers and heat generators, for installation in the boiler room, still offer ease of maintenance, order and cleaning.

## contents

### ■ Pellet-fired stoves

NUA AU \_\_\_\_\_ page 4

FATA AU \_\_\_\_\_ page 8

MEA \_\_\_\_\_ page 12

### ■ Bi-fuel pellet-wood stoves

FATA MIX \_\_\_\_\_ page 16

### ■ Wood-burning stoves

UP \_\_\_\_\_ page 20

LENI O \_\_\_\_\_ page 24

### ■ Wood-fired boilers with inverted flame

LAW5 \_\_\_\_\_ page 28

### ■ Dedicated remote control

U-in / APP-O BIOEN \_\_\_\_\_ page 30

### ■ Integrated ioniser

ION DE-vice \_\_\_\_\_ page 31





# NUA AU

VENTILATED PELLET STOVE

**Ventilated pellet stove** with steel structure, **NUA** is the new expression of modern aesthetics. Its innovative design is configured as a real furnishing element that enhances and completes the spaces of the house, distributing its enveloping heat.

Thanks to the exclusive patented "AU" system, cleaning of the brazier occurs automatically during stove operation, thus avoiding waste of time for the user and ensuring continuity of comfort in the room.

Structure and top are in painted steel, available in two versions: Champagne or Silver. Elegant when switched off, radiant during operation, thanks to the "NightView" ceramic glass door with retractable handle. Fireplace designed without visible technical elements. The upper steel top hides a large pellet tank, which can be accessed with a simple gesture to top up the fuel.



# NUA AU 5★

VENTILATED PELLETT STOVE

Unical

NUA AU

NUA AU		8	10	12C
NOMINAL INPUT (min-max)	kW	3.3 - 7.6	3.3 - 10.0	3.3 - 11.9
NOMINAL OUTPUT	kW	7.0	9.1	10.7
MINIMUM OUTPUT	kW	3.1	3.1	3.1
ENERGY CLASS		<b>A+</b>	<b>A+</b>	<b>A+</b>
ENVIRONMENTAL CERTIFICATION		★★★★★	★★★★★	★★★★★
EFFICIENCY AT MINIMUM OUTPUT	%	92.4 / 94.3	91.1 / 94.3	90.0 / 94.3
AVERAGE CONSUMPTION (at min.-nom.)	kg/h	0.68 - 1.58	0.68 - 2.08	0.68 - 2.47
HEATING VOLUME datum referred to well insulated houses. 18/20 °C - coefficient 0.045 kW/m³ (max)	m³	165	200	235
PELLET RESERVOIR CONTENT	kg	16	16	16
SMOKE OUTLET Ø	mm	80	80	80
DIMENSIONS (L x D x H)	mm	540 x 560 x 1060	540 x 560 x 1060	540 x 560 x 1060
WEIGHT	kg	100	100	100



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2022



## PRODUCT PLUS VALUES

- VENTILATED STOVE
- DUCTED (mod. 12C)
- NIGHT VIEW GLASS
- AUTOMATIC BRAZIER CLEANING
- POWER MODULATION
- REAR SMOKE OUTLET
- RADIO CONTROL WITH ROOM PROBE
- REMOVABLE HANDLE
- DAILY / WEEKLY PROGRAMMING
- "SILENT" FUNCTION
- QUARTZ IGNITER
- WI-FI U-in Plus

## OPTIONAL

- AIR IONISER
- ROOM TEMP. PROBE



PALMARE "PAm"  
(std supply)



ION DE-vice  
(optional)



Champagne

Silver



APP-O BIOEN





# FATA AU

VENTILATED PELLET STOVE

**Ventilated pellet stove** with steel structure and clean and modern aesthetics. Thanks to the exclusive patented AU system, cleaning of the brazier occurs automatically during stove operation, thus avoiding waste of time for the user and ensuring continuity of comfort in the environment. **FATA AU** guarantees an immediate response to needs, thanks to the innovative quartz pellet igniter, with high efficiency and low consumption.

**FATA AU** is controlled via the intelligent handheld "PAm" with built-in room probe, for homogeneous heat distribution and comfort in the room. It can also be managed from a smartphone, thanks to the advanced technology of the "U-in Plus" connection device supplied as standard, and the dedicated free app "APP-O BIOEN".

Healthy and safe heat, thanks to the exclusive ionizer (optional) which can sanitize the air in the room by up to 99% from suspended microparticles, mites, bacteria, pollen, etc. **FATA AU**, in the 10C and 12C (ducted) versions, is equipped with independent and adjustable ventilation and allows heat to be spread across multiple domestic zones.



# FATA AU 5★

VENTILATED PELLETT STOVE

Unical

FATA AU

FATA AU		8	10	10C	12C
NOMINAL INPUT (min-max)	kW	3.3 - 7.6	3.3 - 10.0	3.3 - 10.0	3.3 - 11.9
NOMINAL OUTPUT	kW	7.0	9.1	9.1	10.7
MINIMUM OUTPUT	kW	3.1	3.1	3.1	3.1
ENERGY CLASS					
ENVIRONMENTAL CERTIFICATION		★★★★★	★★★★★	★★★★★	★★★★★
EFFICIENCY AT MINIMUM OUTPUT	%	92.4 / 94.3	91.1 / 94.3	90.0 / 94.3	90.0 / 94.3
AVERAGE CONSUMPTION (at min.-nom.)	kg/h	0.68 - 1.58	0.68 - 2.08	0.68 - 2.08	0.68 - 2.47
HEATING VOLUME datum referred to well insulated houses. 18/20 °C - coefficient 0.045 kW/m³ (max)	m³	165	200	200	235
PELLET RESERVOIR CONTENT	kg	16	16	16	16
SMOKE OUTLET Ø	mm	80	80	80	80
DIMENSIONS (L x D x H)	mm	490 x 560 x 1100	490 x 560 x 1100	490 x 560 x 1100	490 x 560 x 1100
WEIGHT	kg	100	100	100	100

## PRODUCT PLUS VALUES

- VENTILATED STOVE
- DUCTED (mod. 10C-12C)
- CERAMIC GLASS
- AUTOMATIC BRAZIER CLEANING
- POWER MODULATION
- REAR SMOKE OUTLET
- RADIO CONTROL WITH ROOM PROBE
- REMOVABLE HANDLE
- DAILY / WEEKLY PROGRAMMING
- "SILENT" FUNCTION
- QUARTZ IGNITER
- WI-FI U-in Plus

## OPTIONAL

- AIR IONISER
- ROOM TEMP. PROBE



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PALMTOP "PAm" (std supply)



ION DE-vice (optional)



Black



White



Burgundy



APP-O BIOEN



# MEA

## VENTILATED PELLE T STOVE

Ventilated pellet stove with a classic design with front and upper grill for the diffusion of warm air into the room.

MEA is entirely made of painted steel, with steel brazier.

Simple management via touch control panel on the machine or directly with your smartphone via the optional App.

MEA allows the concealed smoke outlet on the back.



# MEA 5★

VENTILATED PELLET STOVE

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MEA

MEA		11
NOMINAL INPUT (min-max)	kW	3.2 - 11.1
NOMINAL OUTPUT	kW	9.9
MINIMUM OUTPUT	kW	3.1
ENERGY CLASS		
ENVIRONMENTAL CERTIFICATION		★★★★★
EFFICIENCY AT NOMINAL OUTPUT	%	88.9
EFFICIENCY AT MINIMUM OUTPUT	%	94.5
AVERAGE CONSUMPTION (at min.-nom.)	kg/h	0.67 - 2.30
HEATING VOLUME datum referred to well insulated houses. 18/20 °C - coefficient 0.045 kW/m³ (max)	m³	220
PELLET RESERVOIR CONTENT	kg	16
SMOKE OUTLET Ø	mm	80
DIMENSIONS (L x D x H)	mm	450 x 550 x 990
WEIGHT	kg	88



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Black



White



Burgundy



## PRODUCT PLUS VALUES



VENTILATED STOVE



CERAMIC GLASS



STEEL BRAZIER



DAILY / WEEKLY PROGRAMMING



POWER MODULATION



REAR SMOKE OUTLET



DISPLAY TOUCH



"SILENT" FUNCTION



WI-FI U-in Plus

## OPTIONAL



REMOTE CONTROL



APP-O BIOEN







# FATA MIX

VENTILATED WOOD-PELLET STOVE

Perfect combination for a **hybrid stove** which, thanks to the patented "MIX" system, perfectly combines two natural fuels such as wood and pellets, allowing the comfort of being able to use, with the same stove, a comfortable and practical fuel such as pellets or wood as an ancient and infinitely available fuel.

Stove with steel structure, sober lines and rounded corners. A dedicated air flow automatically cleans the glass.

Simple management via the handheld "PAm" with built-in room probe, even from a smartphone, thanks to the "U-in Plus" connection device supplied as standard, and the dedicated free app "APP-O BIOEN".



# FATA MIX 5★

VENTILATED WOOD-PELLET STOVE

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FATA MIX

FATA MIX		11 (Pellet fired)	9 (Wood fired)
NOMINAL INPUT (min-max)	kW	3.7 - 12.4	9.8
NOMINAL OUTPUT	kW	11.0	8.5
MINIMUM OUTPUT	kW	3.1	3.1
ENERGY CLASS		A+	A+
ENVIRONMENTAL CERTIFICATION		★★★★★	★★★★★
EFFICIENCY AT MINIMUM OUTPUT	%	88.5 / 90.7	86.3
AVERAGE PELLETT CONSUMPTION (min-max)	kg/h	0.77 - 2.58	-
AVERAGE WOOD CONSUMPTION (min-max)	kg/h	-	2.3
HEATING VOLUME datum referred to well insulated houses. 18/20 °C - coefficient 0.045 kW/m³ (max)	m³	240	185
PELLET RESERVOIR CONTENT	kg	16	-
SMOKE OUTLET Ø	mm	80	80
DIMENSIONS (L x D x H)	mm	490 x 560 x 1100	490 x 560 x 1100
WEIGHT	kg	100	100

## PRODUCT PLUS VALUES



BI-FUEL  
PELLET-WOOD  
STOVES



VENTILATED  
STOVE



CERAMIC  
GLASS



STEEL  
BRAZIER  
(Pellet fired)



POWER  
MODULATION  
(Pellet fired)



REAR SMOKE  
OUTLET



DISPLAY  
TOUCH



DAILY / WEEKLY  
PROGRAMMING  
(Pellet fired)



"SILENT"  
FUNCTION  
(Pellet fired)



QUARTZ  
IGNITER  
(Pellet fired)



WI-FI  
U-in Plus  
(Pellet fired)



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PALMARE "PAm"  
(std supply)



Black



White



Burgundy



APP-O BIOEN



# UP

WOOD-BURNING STOVE

**Wood-burning stove** with modern lines and a firebox with a large ceramic glass and generous ash drawer. **UP** radiates a luminous heat. Made with the innovative combustion chamber raised on a steel platform, it ensures a wide view of the firebox and the flame in all its forms.

Door with steel frame, hinged opening and practical anti-burn handle. Elegant when switched off, radiant during operation, thanks to the double ceramic glass door with "NightView" finish.

The entirely steel platform was designed to hold a generous load of wood, ready when needed.

Side panels in black steel or in "Corten" version, the latter made with a latest generation paint mix. The result is a texture with warm dark brown shades.



# UP 5★

WOOD - BURNING STOVE

Unical

UP

UP		10
GLOBAL HEAT OUTPUT	kW	9.8
NOMINAL OUTPUT	kW	8.5
MINIMUM OUTPUT:	kW	3.1
ENERGY CLASS		
ENVIRONMENTAL CERTIFICATION		★★★★★
EFFICIENCY AT NOMINAL OUTPUT	%	86.3
AVERAGE CONSUMPTION	kg/h	2.3
HEATING VOLUME datum referred to well insulated houses. 18/20 °C - coefficient 0.045 kW/m³ (max)	m³	185
SMOKE OUTLET Ø	mm	150
DIMENSIONS (L x D x H)	mm	470 x 410 x 1110
WEIGHT	kg	105



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## PRODUCT PLUS VALUES



Black

Corten



# LENI O

VENTILATED WOOD STOVE

**Ventilated wood stove** with classic rounded lines. Compact on the outside, generous on the inside, with a large firebox and a wide view of the flame.

**LENI O** heats the room by radiation and through double-speed adjustable ventilated air on the upper top.

Door with steel frame, hinged opening and double ceramic glass with "NightView" finish.

Large ash drawer.

Practical and elegant anti-burn handle.





# LENI O 5★

VENTILATED WOOD STOVE

**Unical**

LENI O

<b>LENI O</b>		<b>13</b>
GLOBAL HEAT OUTPUT	kW	12.8
NOMINAL OUTPUT	kW	11.1
MINIMUM OUTPUT	kW	4.7
ENERGY CLASS		
ENVIRONMENTAL CERTIFICATION		★★★★★
EFFICIENCY AT NOMINAL OUTPUT	%	86.8
AVERAGE CONSUMPTION	kg/h	2.98
HEATING VOLUME <small>datum referred to well insulated houses. 18/20 °C - coefficient 0.045 kW/m³ (max)</small>	m³	185
SMOKE OUTLET Ø	mm	130
DIMENSIONS (L x D x H)	mm	550 x 435 x 1025
WEIGHT	kg	110



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## PRODUCT PLUS VALUES



VENTILATED  
STOVE



CERAMIC  
GLASS



NIGHT VIEW  
GLASS



UPPER SMOKE  
OUTLET



# LAW5 5★








REVERSE FLAME WOOD-FIRED BOILER

Unical

LAW5



## PRODUCT PLUS VALUES

-  HEATING ONLY BOILER
-  INVERSED FLAME
-  POWER MODULATION
-  REAR SMOKE OUTLET
-  MIXED CIRCUITS MANAGEMENT
-  UFLY
-  LAMBDA SENSOR

## OPTIONAL


-  SOLAR CIRCUIT MANAGEMENT



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## LAW5

FURNACE MAXIMUM OUTPUT	kW	25.6
MAXIMUM NOMINAL OUTPUT (*)	kW	23.1
ENERGY CLASS		<b>A+</b>
EFFICIENCY	%	90.2
CO <sub>2</sub>	%	13.8
MAX OPERATING PRESSURE	bar	3
MINIMUM DRAUGHT required by chimney	Pa	12
FLOW TEMPERATURE min/max	°C	70 / 85
RETURN TEMPERATURE min.	°C	55
AUTONOMY	h	8.5
WOOD STORAGE VOLUME	l	153
WOOD LOGS LENGTH	cm	50
FLUE GAS TEMPERATURE Qn (**)	°C	120.4
SUGGESTED VOLUME OF THERM ACCUM.	l	>1200÷2000
DIMENSIONS (L x D x H)	mm	610x1259x1771
EMPTY BOILER WEIGHT	kg	710

(\*) Power obtained with wood according to ISO 17225-2 class A1-A2 (\*\*) with an ambient temperature of 20 °C

Latest generation reverse flame **wood-fired boiler** with induced draft, designed for high performance. Equipped with a large wood storeroom for long autonomy of up to 8 hours. Self-cooled doors. Oxygen control with lambda probe for clean combustion.

Additional standard anti-condensation system with thermostatic passage cavity. Exclusive Ufly on-board touch console for an integral view of the main system control and regulation systems. Control of the flow temperature of the system on circuits with differentiated temperatures.

# Dedicated remote control

**U-in** is the device that, by connecting the stove with your home Wi-Fi network, allows you to manage all the services and functions of the product.



**APP-O BIOEN**, an app that allows you to manage all the main functions of the pellet stove remotely via an internet / data connection and using a smartphone or tablet.



EASY TIMER

ON / OFF

APP-O BIOEN

SILENT

TIME PROGRAMMER

SAVE PANEL DISPLAY

CHRONO THERMOSTAT

**U**in



# ION DE-vice

INTEGRATED IONISER by Bioxygen

The negative oxygen ions we breathe in give us a pleasant feeling of well-being, improving concentration, attention and productivity, and stimulating the immune system.

The ionisation of air in nature is determined by simple natural processes, such as solar radiation or the breaking of water. These factors act on the normally neutral air molecules, splitting them into ion pairs of opposite polarity and thus generating negative ions.

The amount of negative ions dispersed in the air varies greatly depending on the geographical location and the presence of activities that "consume" or neutralise them.

On average, 1 billion negative ions are concentrated in one cubic metre of air in the high mountains, while in the city there are around 80 million and indoors, only 5 million.



The air we breathe indoors is, strangely, much more polluted than the air outside.

Constant room ventilation is essential, but it may not be enough.

Achieving true comfort in the room means being able to regulate the right temperature and, above all, being able to breathe clean, healthy air.

This is made possible by the ioniser technology with advanced functions integrated in our pellet stoves.

## Why ionise the air

### REDUCTION OF VIRUSES

A large number of microorganisms (bacteria, viruses and moulds) naturally circulate in the air and, now more than ever, it is essential to prevent their accumulation: Bioxygen technology is also tested against COVID-19.

### POTENT ANTIBACTERIAL EFFECT

An essential resource for those who suffer from severe allergies or asthma, because, by purifying the air, it makes it more breathable and free of organic substances, drastically reducing breathing problems.

### REMOVAL OF ODOURS AND POLLUTANTS

85% reduction of odours in the environment (sewage, chemical cleaners, smoke, etc.).

### HEALTHIER AND SAFER ENVIRONMENT







[www.unical.eu](http://www.unical.eu)