

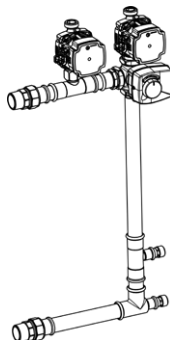
2022

EXPORT CATALOGUE BOILERS 9 - 205 kW

automatic boilers for pellets
automatic boilers for granulated coal
wood boilers (gasifying)
burner kits for upgrade boilers to automatic

NEW

SELECTED BOILER MODELS
AVAILABLE WITH A PUMP
GROUP FOR QUICK
INSTALLATION







KLIMOSZ IS A FAMILY COMPANY WITH OVER 30 YEARS OF TRADITION AND ONE OF THE LARGEST PRODUCERS OF MODERN HEATING TECHNOLOGY IN POLAND. OUR ECOLOGICAL HEATING DEVICES ARE OFFERED THROUGHOUT EUROPE THROUGH AN EXTENSIVE DISTRIBUTION NETWORK AND THROUGH OUR OWN SEVEN SHOWROOMS, "KLIMOSZ INSTALLER".

THE SEAT OF THE COMPANY WITH THE PRODUCTION PLANT IS LOCATED IN THE AREA OF SOUTHERN SILESIA, IN THE TOWN OF PAWŁOWICE.

OUR PRODUCTION PLANT HAS ONE OF THE MOST MODERN MACHINERY PARKS IN EUROPE IN THE FIELD OF HEATING EQUIPMENT PRODUCTION, MOREOVER, WE HAVE THE NECESSARY LOGISTIC AND WAREHOUSE FACILITIES AT THE JUNCTION WITH THE NATIONAL ROAD DK-81.

OUR SPECIALTY IS THE PRODUCTION OF SOLID FUEL BOILERS AND THE PRODUCTION OF METAL PARTS / COMPONENTS - WE HAVE MANY YEARS OF EXPERIENCE IN THIS FIELD AND WE HAVE THE BEST MACHINES, ALLOWING US TO EFFICIENTLY PROVIDE SERVICES AT THE HIGHEST LEVEL.

THANKS TO OUR ATTENTION TO DETAIL AND QUALITY CONTROL AT EVERY STAGE OF PRODUCTION, OUR PRODUCTS MEET HIGH REQUIREMENTS AND FULL COMPLIANCE WITH THE TECHNICAL DOCUMENTATION OF THE PRODUCT.

WE PRODUCE ACCORDING TO THE TECHNICAL DOCUMENTATION PROVIDED BY THE CUSTOMER, OR WE ARE ABLE TO PRODUCE A GIVEN ELEMENT IN ACCORDANCE WITH THE REVERSE ENGINEERING TECHNOLOGY.

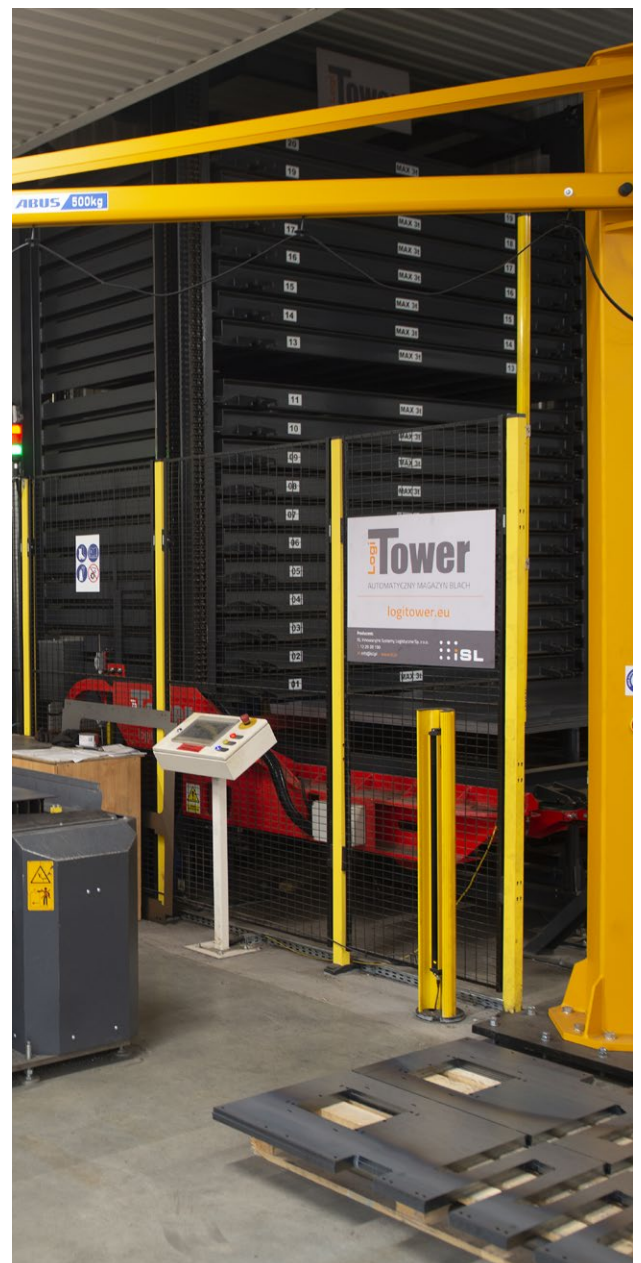






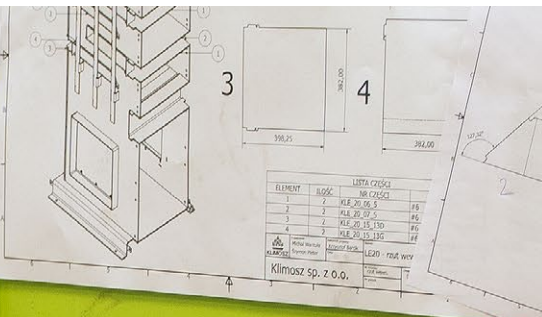
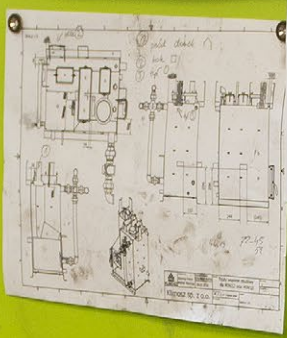


2D FIBER LASER CUTTING
ENABLES PRECISE CUTTING
OF ANY DESIGNED SHAPES IN
HARD MATERIALS, SUCH AS
STEEL SHEETS WITH MAXIMUM
DIMENSIONS OF 300X150 CM. THE
USE OF A LASER MEANS THAT
THE EDGES OF THE PROCESSED
MATERIAL DO NOT REQUIRE
ADDITIONAL PROCESSING. WE
ALSO HAVE AN AUTOMATIC STEEL
WAREHOUSE WITH A CAPACITY OF
60 TONS.



7-AXIS PRESS BRAKE ENABLES
PRECISE BENDING. THE MAXIMUM
LENGTH OF THE BENT ELEMENT
IS 300 CM. THE MAXIMUM SHEET
THICKNESS IS 6MM.

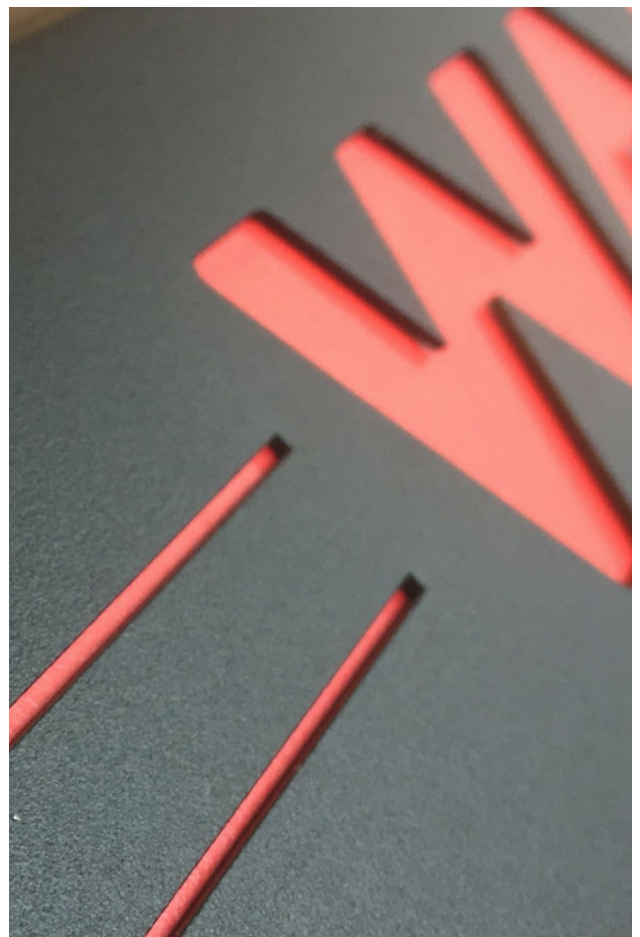






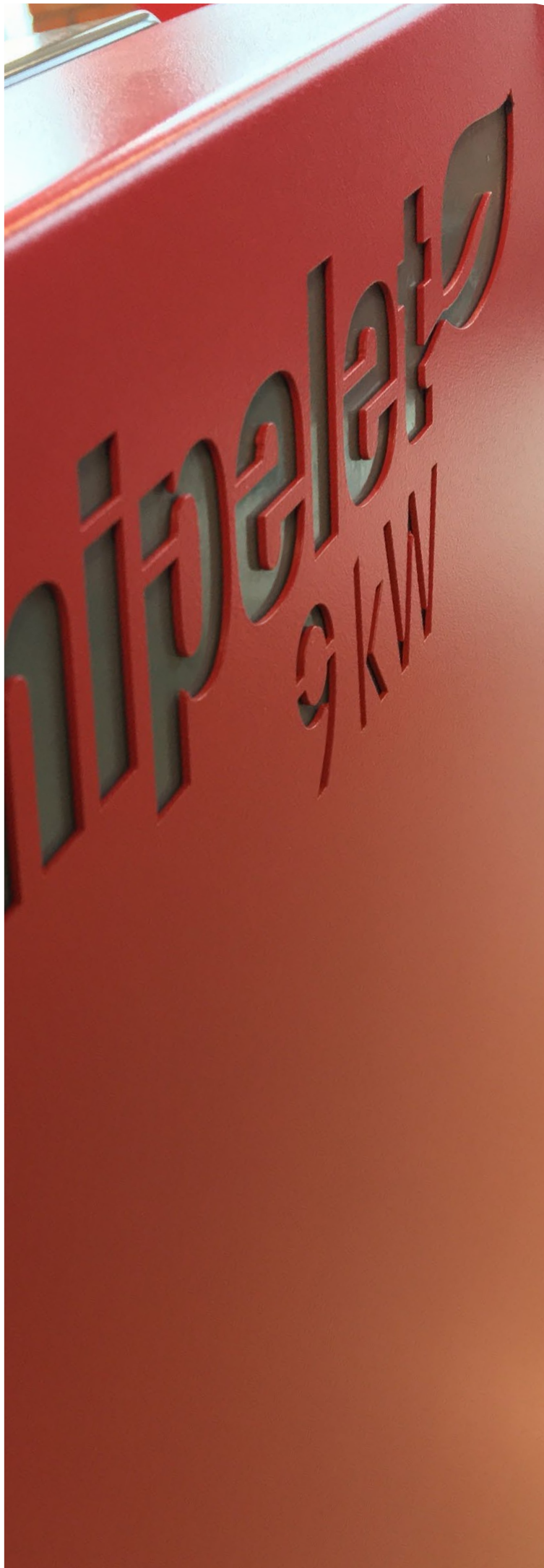


POWDER COATING IS ONE OF THE MOST DURABLE METHODS OF COATING METALS, IT CONSISTS IN MECHANICAL AND CHEMICAL PREPARATION OF THE SURFACE, THEN THE COATING IS APPLIED USING THE ELECTROSTATIC METHOD, THE LAST STAGE IS THE POLYMERIZATION OF THE PAINT IN A VARNISH OVEN. THIS TYPE OF VARNISH COAT PROVIDES A SMOOTH SURFACE WITH HIGH RESISTANCE TO CHEMICAL AND MECHANICAL FACTORS AND MUCH GREATER ABRASION RESISTANCE. THE MAXIMUM DIMENSIONS OF THE VARNISHED ELEMENT ARE 350 X 170 X 300 CM.



WELDING METALS IN MIG / MAG TECHNOLOGIES



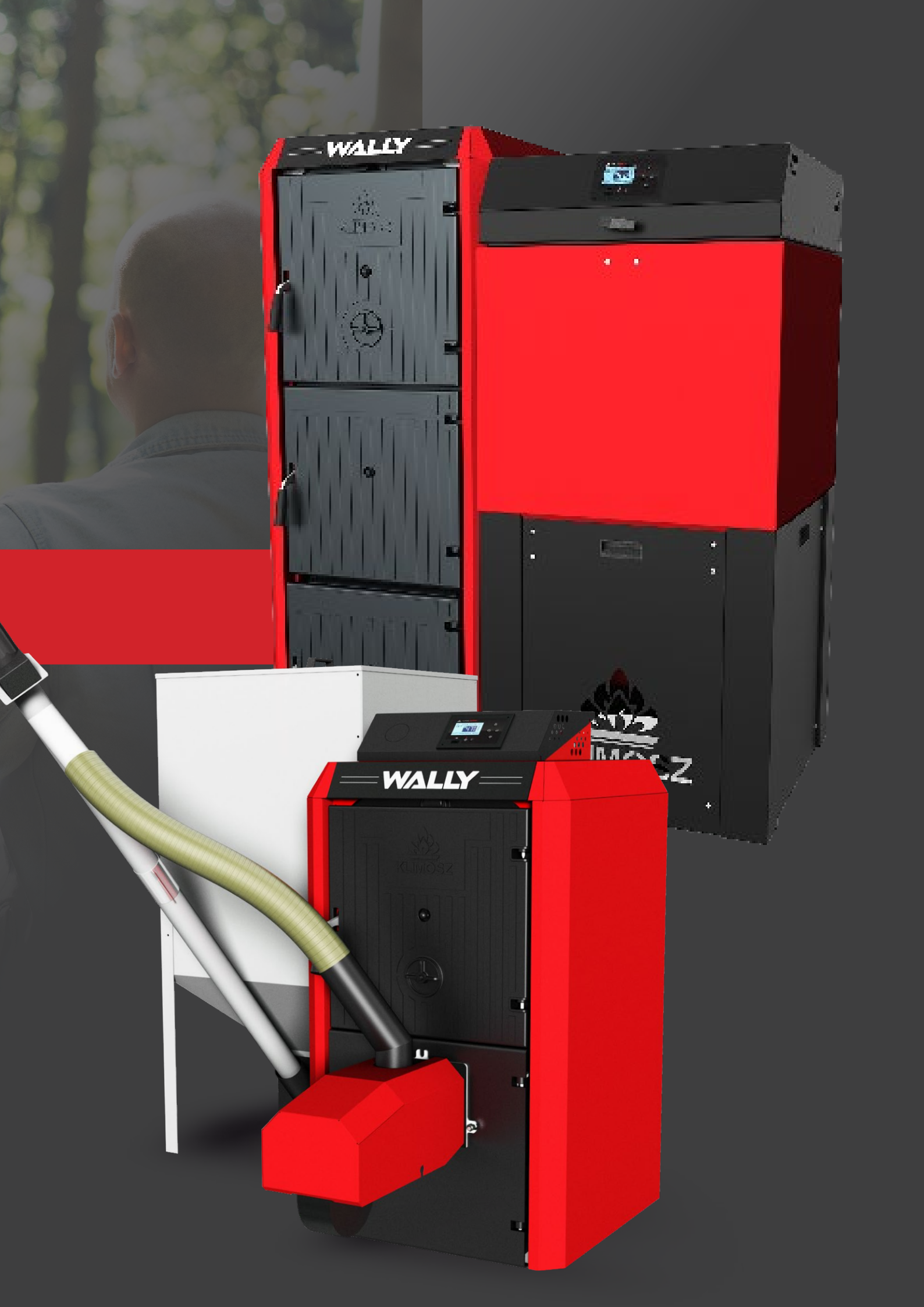


OEM PRODUCTION POSSIBLE.
PRODUCT ADAPTATION TO THE
TARGET MARKET AND CUSTOMER
BRANDING.





AUTOMATIC BOILERS 0-49kW *for pellets, biomass, coal*



MINIPELET series

Version: 9/12/15/18/25kW.

The MINIPELET series is our latest series of boilers with a pellet burner, characterized by a modern and compact design - it is an ideal proposition, especially recommended for small boiler rooms, where every centimeter of space is important. Connectors for the installation of central heating and domestic hot water They are led out at the back of the boiler, and their exit has been specially designed and positioned for easier, faster and cheaper installation of the boiler.



Modern, built-up design

The boiler is compact in size. The cover door has an additional insulating layer inside, which reduces heat loss and increases the thermal efficiency of the boiler.

P265GH

Certified boiler steel

Boilers in this series are distinguished by a steel exchanger made of the highest quality P265GH boiler steel with increased plasticity.

5-year GUARANTEE

Klimosz guarantee

The highest quality materials and workmanship make us provide a full 5-year warranty on the tightness of the exchanger. Details of the warranty conditions are available in the boiler operation and maintenance manual.

AUTOMATIC IGNITION

Automatic firing up / extinguishing

The pellet burner is characterized by the highest comfort of use - the boiler automatically fires up or goes out on the basis of the set preset temperatures. In addition, the boiler does not use a gram of fuel between work cycles, as is the case with boilers with a retort burner.

CERAMICS

Ceramics inside boiler chamber

Special ceramic plates act as a catalyst for the exhaust gases, and due to their special arrangement they extend the path of the exhaust gas flow in the exchanger, which increases the efficiency of the boiler.



Easier and faster to assemble

Connectors for the installation of central heating They are led out at the rear of the boiler and are specially designed to facilitate the installation of a four-way valve with an actuator. Connectors for the installation of DHW also led out separately at the back of the boiler.



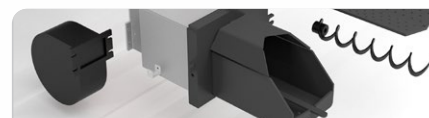
Pellet burner with cleaning system

Modern pellet burner, specially designed for the most efficient combustion of pellets (combustion efficiency up to 99%), gaining the comfort of use comparable to gas boilers. The burner has a double automatic cleaning system as standard (blowing and mechanical - with a movable burner grate).



The highest level of security

The boiler is characterized by a number of innovative solutions that affect its reliability and work safety. The pipe of the SPIRO feeder is made of a special fusible material, which is a reliable protection even in the event of a power failure! Temperature sensor inside the burner feeder pipe, which, in the event of excessive temperature detection, pushes the pellets out, preventing the heat from spreading further.

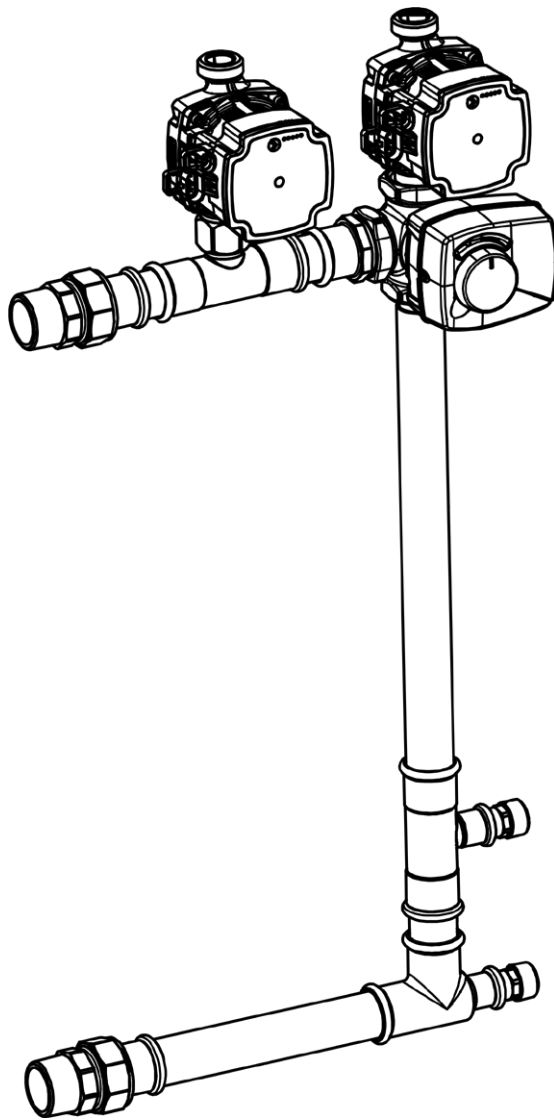


Reliability guaranteed

Each element of the boiler is the result of our many years of experience. We only use the highest-quality, proven solutions. For example, we used an igniter made of a burnout-resistant special metal alloy, which makes it much more durable than its ceramic counterparts. Our products undergo many months of series of tests before implementation, and each boiler is subjected to a detailed quality control.

NEW!

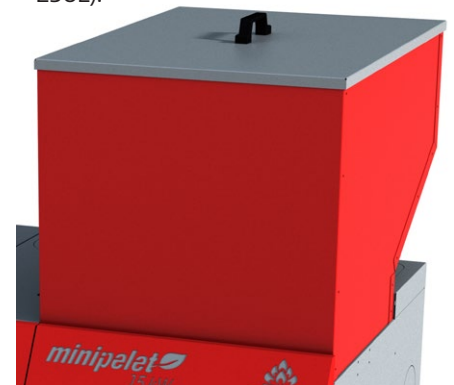
Pump group for the MINIPELET series



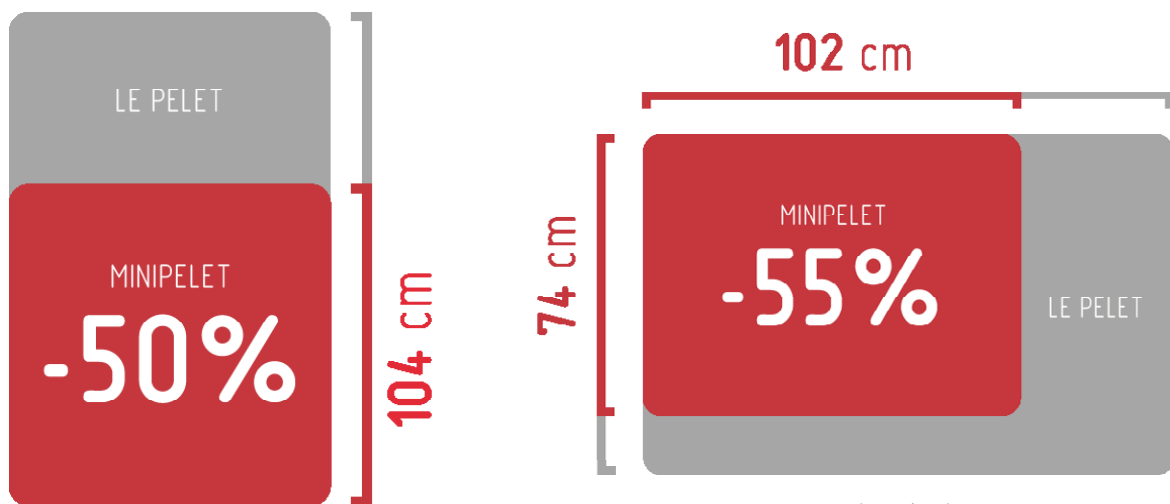
New! Optional pump group for quick installation of the boiler. Factory-installed pump group, pressure tested. It consists of high-quality components, incl. central heating pump and domestic hot water Grundfos / LFP brands (depending on delivery), boiler return protection (ESBE VRG141 four-way mixing valve + ESBE ARA 661 valve actuator), safety group, heating circuit expansion vessel (12L capacity) and DBV-1 double-function valve.

OPTIONAL STORAGE EXTENSION

Capacity 150L (after upgrade total capacity of fuel storage with extension = 256L).



Compact design of MiniPelet boilers:



The possibility of arranging the space above the boiler, thanks to the boiler height of only 104 cm

/ top view /
It only needs 0.75 m² of space in the boiler room - more than half as much space as in standard pellet boilers




Selected optional equipment

P - Compatibility with PLUM controllers	K - Compatibility with Klimosz KOMFORT controllers
4-way valve ESBE 5/4"	P K
Valve actuator ESBE ARA661	P K
Safety valve for closed systems DBV-1	not related
WiFi module to PLUM controllers (ecoNET)	P
WiFi module to Klimosz KOMFORT controllers	K
Sonda lambda probe	P
Extension module "B" lub "C"	P
Room thermostat ecoSTER 200	P
Room thermostat ecoSTER-TOUCH wireless, full color touch display	P
Room thermostat AURATON TUCANA	P K
Room thermostat AURATON TUCANA SET wireless	P K

Delivery range

- A complete boiler with a highly efficient steel heat-convection heat exchanger, ceramic elements, a feeding system and a pellet burner
- Boiler electronic controller - depending on the choice
- 106L pellet storage - integrated with the boiler
- Ashpan
- Cleaning kit
- Boiler tray leveling feet

Available controllers

		
Klimosz Komfort RT-16 <ul style="list-style-type: none"> • Modern and easy-to-use controller with button control • Support for 2 heating circuits as standard • Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function • Support for an additional heat source • The ability to control the boiler remotely (requires an additional WiFi module - Solato) • Possibility of cooperation with any room thermostat normally open-break (e.g. Auraton) 	PLUM ecoMAX 860P <ul style="list-style-type: none"> • Modern and easy-to-use controller with button and knob control • Support for the 1st heating circuit with the possibility of extension to a maximum of 5 • Buffer tank service • Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function • Fuel level indications in the container (on the controller / on the room thermostat) • Support for an additional heat source • Possibility of cooperation with a decoated PLUM room thermostat or any room thermostat with a contact / break (e.g. Auraton) • Expandable with additional modules (WiFi, lambda sensors, B / C extensions) 	PLUM ecoMAX 860P TOUCH <ul style="list-style-type: none"> • Modern controller with intuitive control via a large, color touch screen • Support for the 1st heating circuit with the possibility of extension to a maximum of 5 • Buffer tank service • Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function • Fuel level indications in the container (on the controller / on the room thermostat) • Support for an additional heat source • Possibility of cooperation with a decoated PLUM room thermostat or any room thermostat with a contact / break (e.g. Auraton) • Expandable with additional modules (WiFi, lambda sensors, B / C extensions)



Possible to remote control via WiFi !

This functionality is available for Klimosz KOMFORT and PLUM controllers - requires an optional WiFi module.

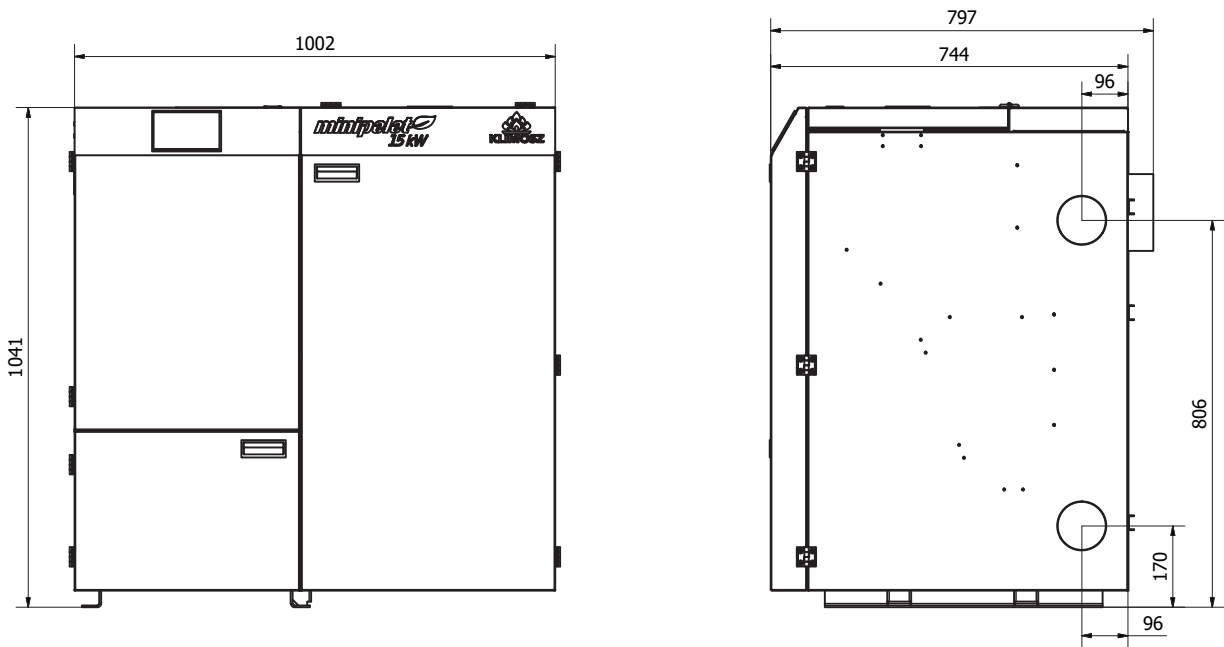
Technical data

	MiniPelet 9	MiniPelet 12	MiniPelet 15	MiniPelet 18	MiniPelet 25
Ecodesign compliance (EU Commission Regulation 2015/1189)	✓	✓	✓	✓	✓
ErP class	A+	A+	A+	A+	A+
Basic fuel	wood pellets, granulation 6mm (in accordance with PN-EN 303-5: 2012 - type C)				
Efficiency [%]	91,8	91,5	91,4	92,1	91,24
Power regulation range [kW]	2,6 - 9	3,3 - 12	4,5 - 15,2	5,4 - 18,1	7,11 - 24,65
Fuel tank capacity [dm3]	106	106	106	106	106
Water volume [dm3]	75	75	75	75	75
Recommended chimney draft [Pa]	10 - 20	10 - 20	10 - 20	10 - 20	10 - 20
Weight [kg]	280	280	280	280	280
Notes on the installation and operation of the boiler	Before assembly / installation / use, read the technical documentation of the boiler				

Connections

	MiniPelet 9	MiniPelet 12	MiniPelet 15	MiniPelet 18	MiniPelet 25
Flue diameter [mm]	160	160	160	160	160
Boiler connections - heating circuit connection [Inch]	5/4	5/4	5/4	5/4	5/4
Boiler connections - domestic hot water connection [Inch]	1	1	1	1	1

Dimensions



UNIPELET S series

Version: 19 kW (4S)

The UNIPELET S series are exceptionally durable boilers with an exchanger made of the highest quality Italian cast iron with a wall thickness of up to 12mm, which means that the estimated life of the boilers in this series is at least 25 years. Boilers of this series have a reliable pellet burner designed specifically for the most comfortable and efficient combustion of pellets, and the basic fuel is pellets. This boiler is recommended for small boiler rooms and more - its height is 110 cm, and the container can be placed almost anywhere in relation to the boiler.



Small dimensions of the boiler

The boiler is compact in size - the size is comparable to charging boilers - so it can be easily installed in boiler rooms with limited space for the boiler.



CAST-IRON

Durability and service life for years

The cast iron from which the boiler body was made has a high resistance to water and chemical corrosion as well as to harmful phosphorus / sulfur and carbon compounds. As a result, cast iron boilers are characterized by a non-intermittently higher durability than steel boilers.

up to 12mm CAST IRON THICKNESS

Top-quality Italian cast iron

The heat exchanger of the UNIPELET S boiler is made of the highest quality cast iron with a wall thickness of up to 12 mm - which is the highest value among boilers on the market and constitutes the exceptional quality of the boiler.

10-year GUARANTEE

Klimosz guarantee

The highest quality materials and workmanship make us provide a full 10-year warranty on the tightness of the exchanger. Details of the warranty conditions are available in the boiler operation and maintenance manual.

AUTOMATIC IGNITION

Automatic firing up / extinguishing

The pellet burner is characterized by the highest comfort of use - the boiler automatically fires up or goes out on the basis of the set preset temperatures. In addition, the boiler does not use a gram of fuel between work cycles, as is the case with boilers with a retort burner.

CERAMICS

Ceramics inside boiler chamber

Special ceramic plates act as a catalyst for the exhaust gases, and due to their special arrangement they extend the path of the exhaust gas flow in the exchanger, which increases the efficiency of the boiler.



Multi-pass heat exchanger

This type of exchanger in combination with an exceptionally large heat recovery area from flue gas makes the UNIPELET S series boilers have an exceptionally high real value of thermal efficiency with minimal fuel consumption.



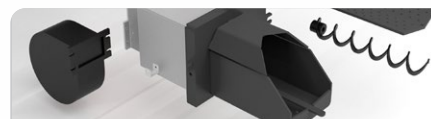
Pellet burner with cleaning system

Modern pellet burner, specially designed for the most efficient combustion of pellets (combustion efficiency up to 99%), gaining the comfort of use comparable to gas boilers. The burner has a double automatic cleaning system as standard (blowing and mechanical - with a movable burner grate).



The highest level of security

The boiler is characterized by a number of innovative solutions that affect its reliability and work safety. The pipe of the SPIRO feeder is made of a special fusible material, which is a reliable protection even in the event of a power failure! Temperature sensor inside the burner feeder pipe, which, in the event of excessive temperature detection, pushes the pellets out, preventing the heat from spreading further.

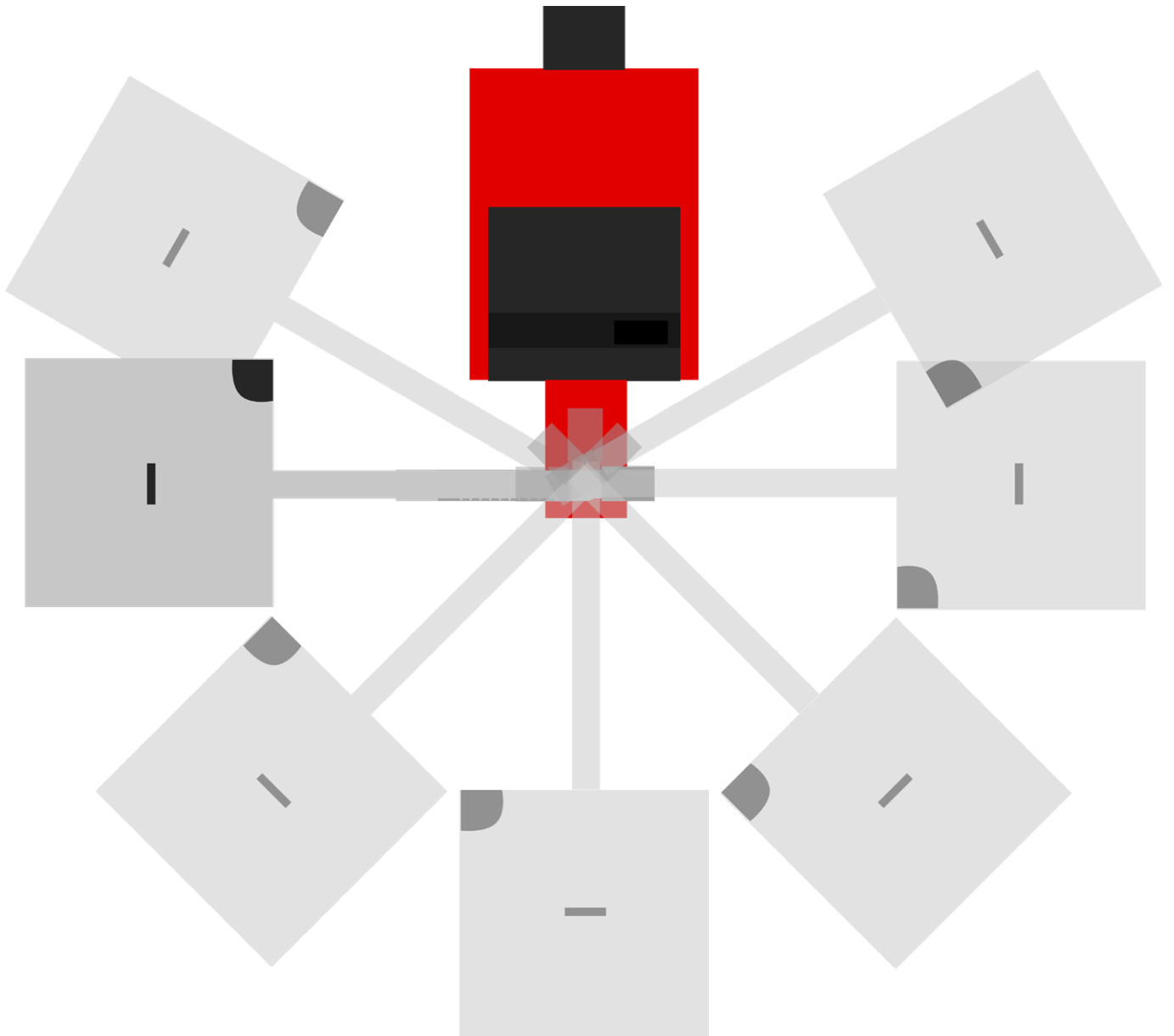


Reliability guaranteed

Each element of the boiler is the result of our many years of experience. We only use the highest-quality, proven solutions. For example, we used an igniter made of a burnout-resistant special metal alloy, which makes it much more durable than its ceramic counterparts. Our products undergo many months of series of tests before implementation, and each boiler is subjected to a detailed quality control.



The hopper can be placed on the left / right / behind or in front of the boiler. The only limitation is the length of the feeding system pipe - this unique feature allows the container to be placed in almost any position in relation to the boiler.



Selected optional equipment

P - Compatibility with PLUM controllers	K - Compatibility with Klimosz KOMFORT controllers
4-way valve ESBE 5/4"	P K
Valve actuator ESBE ARA661	P K
Safety valve for closed systems DBV-1	not related
WiFi module to PLUM controllers (ecoNET)	P
WiFi module to Klimosz KOMFORT controllers	K
Sonda lambda probe	P
Extension module "B" lub "C"	P
Room thermostat ecoSTER 200	P
Room thermostat ecoSTER-TOUCH wireless, full color touch display	P
Room thermostat AURATON TUCANA	P K
Room thermostat AURATON TUCANA SET wireless	P K

Delivery range

- Complete boiler with a highly efficient cast iron multi-pass heat exchanger, ceramic elements, feeding system and pellet burner
- Boiler electronic controller - depending on the choice
- Pellet fuel storage - depending on the choice
- Cleaning kit

Available controllers



Klimosz Komfort RT-16

- Modern and easy-to-use controller with button control
- Support for 2 heating circuits as standard
- Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function
- Support for an additional heat source
- The ability to control the boiler remotely (requires an additional WiFi module - Solato)
- Possibility of cooperation with any room thermostat normally open-break (e.g. Auraton)

PLUM ecoMAX 860P

- Modern and easy-to-use controller with button and knob control
- Support for the 1st heating circuit with the possibility of extension to a maximum of 5
- Buffer tank service
- Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function
- Fuel level indications in the container (on the controller / on the room thermostat)
- Support for an additional heat source
- Possibility of cooperation with a decoated PLUM room thermostat or any room thermostat with a contact / break (e.g. Auraton)
- Expandable with additional modules (WiFi, lambda sensors, B / C extensions)

PLUM ecoMAX 860P TOUCH

- Modern controller with intuitive control via a large, color touch screen
- Support for the 1st heating circuit with the possibility of extension to a maximum of 5
- Buffer tank service
- Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function
- Fuel level indications in the container (on the controller / on the room thermostat)
- Support for an additional heat source
- Possibility of cooperation with a decoated PLUM room thermostat or any room thermostat with a contact / break (e.g. Auraton)
- Expandable with additional modules (WiFi, lambda sensors, B / C extensions)



Possible to remote control via WiFi !

This functionality is available for Klimosz KOMFORT and PLUM controllers - requires an optional WiFi module.

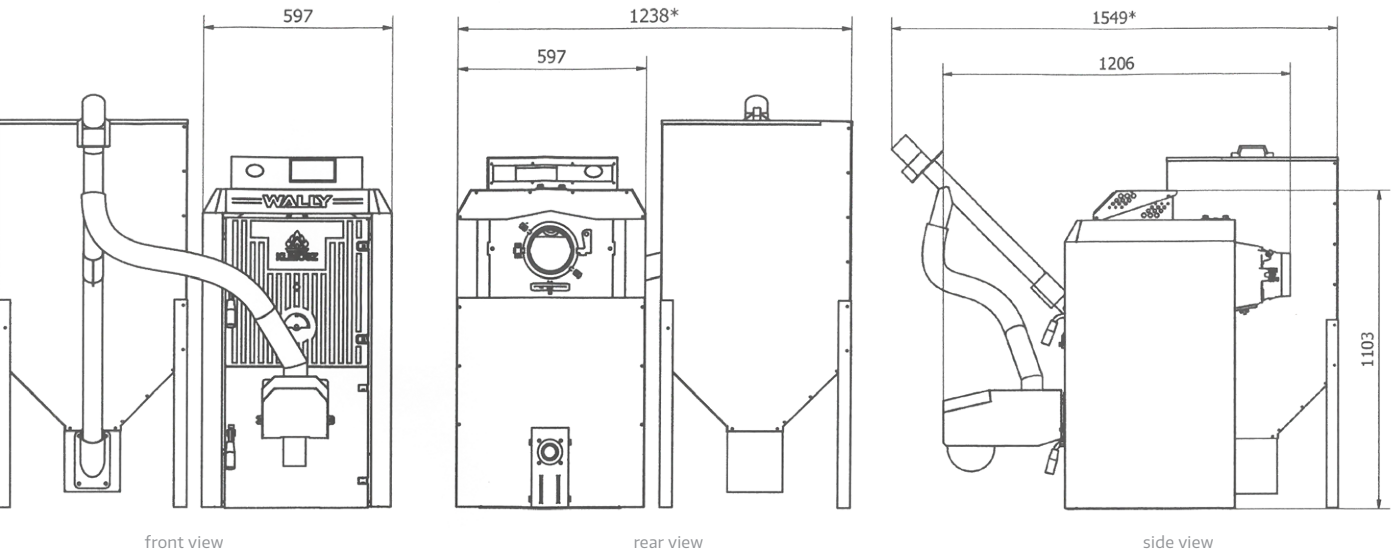
Technical data

UniPelet 4S	
Ecodesign compliance (EU Commission Regulation 2015/1189)	✓
ERP class	A+
Basic fuel	wood pellets, granulation 6mm (in accordance with PN-EN 303-5: 2012 - type C)
Efficiency [%]	88,3
Power regulation range [kW]	5,2 - 19
Fuel tank capacity [dm3]	310 / 900 / 1700 - depending on the version selected
Water volume [dm3]	39
Recommended chimney draft [Pa]	10 - 20
Weight [kg]	365
Notes on the installation and operation of the boiler	Before assembly / installation / use, read the technical documentation of the boiler

Connections

UniPelet 4S	
Boiler connection diameters [Inch]	2 GW - power supply, 1 1/2 GW - return
Boiler connection location	power supply - from top, return - from bottom
Smoke flue	vertical
Flue diameter [mm]	147
Height to the axis of the flue [mm]	825
Boiler height with open fuel storage flap [mm]	1130

Dimensions



Main advantages of the **COMBI S** series :

10 *year*
WARRANTY

up to **12** *mm*
HIGHEST QUALITY
CAST-IRON

25 *years*
CAST-IRON
EXCHANGER LIFETIME

**GRANULATED COAL
OR PELLETS**
PRIMARY FUEL
TO CHOOSE

~91%
VERY HIGH
BOILER EFFICIENCY

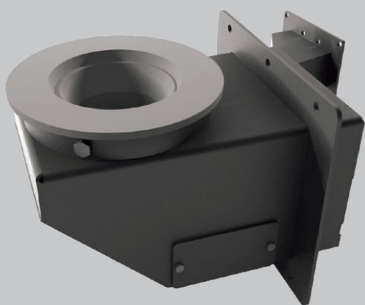
RETORT BURNER
SOLID, SIMPLE AND
RELIABLE PROBLEM-FREE
CONSTRUCTION

MODERN AND INTUITIVE
HEATING SYSTEM
CONTROLLER **AS STANDARD**


TWO INDEPENDENT
SAFETY SYSTEMS

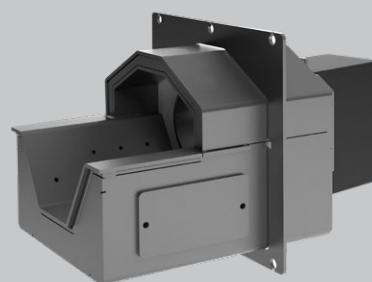

POSSIBLE TO WIFI
CONTROL (OPTION)

COMBI S/MULTICOMBI S *series*



KLIMOSZ **COMBI S**
retort burner

It is a durable and proven for many years structure designed for efficient combustion of granulated coal and pellet with very high efficiency of approx. 90%. The retort elbow and grate are made of cast iron. In addition, reliability is demonstrated by the use of the highest quality gearmotor of a reputable manufacturer with a simple and effective protection against blocking the feed screw.



KLIMOSZ **MULTICOMBI S**
multifuel burner

Is a reliable and solid construction, its advantage in relation to the retort burner is the lack of a retort knee and hence lower resistance in feeding fuel, thanks to which - this type of burner is recommended for burning granulated fuels like: granulated coal, pellets, low-quality pellets, granulated biomass like seeds, biomass from olives. The unique design of the burner and the combustion process makes the boiler with this burner does not require a large chimney draft.


ecodesign



Klimosz COMBI S in **NG** version

Available also in **EKO** version

* - Ecodesign in COMBI S series only.



10
year
WARRANTY

Klimosz COMBI S is made of the highest quality materials, whose production process meets the highest European quality standards. The proof of strength and reliability of this device is a full 10-year warranty, which Klimosz grants to the integrity of the cast-iron exchanger.

up to **12mm**

ITALIAN CAST-IRON

Klimosz COMBI S has a highly efficient three-pass cast-iron exchanger, made of the highest quality Italian cast-iron with a wall thickness of up to 12mm. This type of exchanger has a very large heat recovery area from flue gas, which directly translates into high efficiency. Thanks to this Klimosz COMBI S boiler is characterized by very low fuel consumption, generating more heat every ton of fuel.

GRANULATED COAL
OR
PELLETS

Klimosz COMBI S has highest "5-class" emission certificate for both fuels: granulated coal and pellets. Which allows You to change the type of fuel from pellet to granulated coal at any time or vice versa. A necessary requirement when burning pellets in boilers with a retort / gutter burner is the use of the WATTS STS-20 safety valve, which is then used instead of the "fireman" on the tank.







Klimosz COMBI S has a universal and well thought out design - it allows you to change the side of the fuel storage, so You can fit it to any type of boiler room.



Klimosz COMBI S is reliability and safety. The boiler has several independent thermal protections: boiler temperature sensor, feeder tube temperature sensor (in the case of detection of heat in the feeder pipe, the fuel pushes out emergency and switches off the fan). The boiler also has a safety device that works without the need of electricity in the form of a "firefighter" flooding the tank in an emergency.

Klimosz boilers from the COMBI S series are a product that meets the most stringent requirements of emission and ecological standards. Minimizing environmental pollution is the result of a carefully thought-out design of the device. Monthly tests have led to obtain the highest possible efficiency (up to 91.3%) while maintaining the minimum emissions of harmful substances. Klimosz COMBI S series have a "5th class" highest emission standard and EcoDesign certificate for granulated coal and pellets.



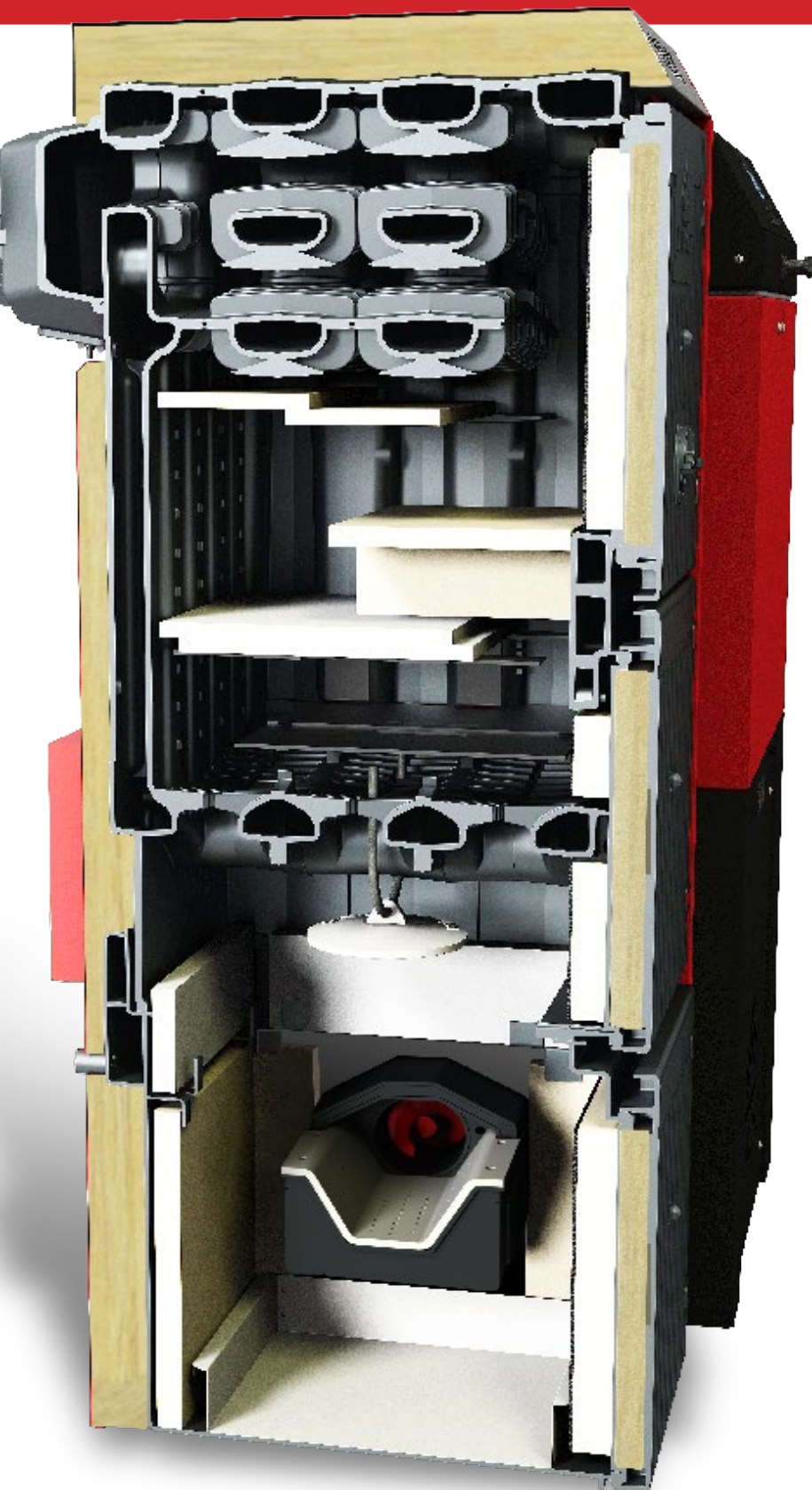
Version EKO :		COMBI S3	COMBI S4	COMBI S5
	Standard controller		KLIMOSZ ecoCONTROL - modern and intuitive controller. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated room thermostat.	
	Optional controller		KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.	
	Optional controller		PLUM 800R3 - modern and intuitive controller with possibility to upgrade with additional modules. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated PLUM or AURATON room thermostat. After upgrade with module "B" offers two extra heating circuits (4-way valves, C.H. pumps and room thermostats). After upgrade with module "B" and module "C" offers four extra heating circuits (4-way valves, C.H. pumps and room thermostats).	
	Standard fuel storage	190 L		
	Optional fuel storage	320 L - OPTION		
	Optional WiFi module	Compatible only with KLIMOSZ KOMFORT controller)		

Version NG :		COMBI S3	COMBI S4	COMBI S5
	Standard controller		KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.	
	Optional controller		PLUM 800R3 - modern and intuitive controller with possibility to upgrade with additional modules. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated PLUM or AURATON room thermostat. After upgrade with module "B" offers two extra heating circuits (4-way valves, C.H. pumps and room thermostats). After upgrade with module "B" and module "C" offers four extra heating circuits (4-way valves, C.H. pumps and room thermostats).	
	Standard fuel storage	300 L		
	Optional WiFi module	Compatible only with KLIMOSZ KOMFORT controller)		

Primary fuel: granulated coal, Secondary fuel: pellets

Compliance with ecological standards	COMBI S3	COMBI S4	COMBI S5
5-CLASS: - for fuel: granulated coal - for fuel: pellets	✓ ✓	✓ ✓	✓ ✓
ECODESIGN: - for fuel: granulated coal - for fuel: pellets	✓ ✓	✓ ✓	✓ ✓
ErP Energy efficiency class	B	B	B

Technical data	COMBI S3	COMBI S4	COMBI S5
Nominal power: - for fuel: granulated coal - for fuel: pellets	16,1 kW 14,0 kW	22,6 kW 18,1 kW	28,9 kW 22,0 kW
Efficiency: - for fuel: granulated coal - for fuel: pellets	91,3 % 90,8 %	91,2 % 90,7 %	91,1 % 90,3 %
Power range	4,7 - 16,1 kW	4,7 - 22,6 kW	8,2 - 28,9 kW
Fumes temperature	120 - 200 °C		
Water capacity	34 dm3	44 dm3	52 dm3
Recommended chimney draught	15 - 25 Pa		
Height / Depth / Width	1489 x 791 x 1259 mm	1489 x 872 x 1259 mm	1489 x 936 x 1259 mm
Height to fumes outlet	1299 mm		
Height with open fuel storage clap	1500 mm (EKO) / 1950 mm (NG)		
Weight	430 kg (EKO) / 480 kg (NG)	510 kg (EKO) / 560 kg (NG)	590 kg (EKO) / 640 kg (NG)



10_{year}
WARRANTY

Klimosz MULTICOMBI S is made of the highest quality materials, whose production process meets the highest European quality standards. The proof of strength and reliability of this device is a full 10-year warranty, which Klimosz grants to the integrity of the cast-iron exchanger.

up to **12mm**

ITALIAN CAST-IRON

Klimosz MULTICOMBI S has a highly efficient three-pass cast-iron exchanger, made of the highest quality italian cast-iron with a wall thickness of up to 12mm. This type of exchanger has a very large heat recovery area from flue gas, which directly translates into high efficiency. Thanks to this Klimosz MULTICOMBI S boiler is characterized by very low fuel consumption, generating more heat every ton of fuel.

GRANULATED COAL
OR
PELLETS

Klimosz MULTICOMBI S has highest "5-class" emission certificate for both fuels: granulated coal and pellets. Which allows You to change the type of fuel from pellet to granulated coal at any time or vice versa. A necessary requirement when burning pellets in boilers with a retort / gutter burner is the use of the WATTS STS-20 safety valve, which is then used instead of the "fireman" on the tank.



Klimosz MULTICOMBI S has a universal and well thought out design - it allows ou to change the side of the fuel storage, so You can fit it to any type of boiler room.







Klimosz MULTICOMBI S is reliability and safety. The boiler has several independent thermal protections: boiler temperature sensor, feeder tube temperature sensor (in the case of detection of heat in the feeder pipe, the fuel pushes out emergency and switches off the fan). The boiler also has a safety device that works without the need of electricity in the form of a "firefighter" flooding the tank in an emergency.




Klimosz boilers from the MULTICOMBI S series are a product that meets the most stringent requirements of emission and ecological standards. Minimizing environmental pollution is the result of a carefully thought-out design of the device. Monthly tests have led to obtain the highest possible efficiency (up to ~90%) while maintaining the minimum emissions of harmful substances. Klimosz MULTICOMBI S series have a "5th class" highest emission standard for granulated coal and pellets.



Version EKO :

	Standard controller	 KLIMOSZ ecoCONTROL - modern and intuitive controller. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated ecoCONTROL room thermostat.
	Optional controller	 KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.
	Optional controller	 PLUM 800R3 - modern and intuitive controller with possibility to upgrade with additional modules. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated PLUM or AURATON room thermostat. After upgrade with module "B" offers two extra heating circuits (4-way valves, C.H. pumps and room thermostats). After upgrade with module "B" and module "C" offers four extra heating circuits (4-way valves, C.H. pumps and room thermostats).
	Standard fuel storage	190 L
	Optional fuel storage	320 L - OPTION
	Optional WiFi module	Compatible only with KLIMOSZ KOMFORT controller

Version NG :

	Standard controller	 KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.
	Optional controller	 PLUM 800R3 - modern and intuitive controller with possibility to upgrade with additional modules. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated PLUM or AURATON room thermostat. After upgrade with module "B" offers two extra heating circuits (4-way valves, C.H. pumps and room thermostats). After upgrade with module "B" and module "C" offers four extra heating circuits (4-way valves, C.H. pumps and room thermostats).
	Standard fuel storage	300 L
	Optional WiFi module	Compatible only with KLIMOSZ KOMFORT controller)

Primary fuel: granulated coal, Secondary fuel: pellets

Compliance with ecological standards	MULTICOMBI S5 (MULTICOMBI 32)
5-CLASS: - for fuel: granulated coal - for fuel: pellets	✓ ✓
ECODESIGN: - for fuel: granulated coal - for fuel: pellets	- -
ErP Energy efficiency class	B

Technical data	MULTICOMBI S5 (MULTICOMBI 32)
Nominal power: - for fuel: granulated coal - for fuel: pellets	32,5 kW 26,3 kW
Efficiency: - for fuel: granulated coal - for fuel: pellets	89,7 % 89,6 %
Power range	8,2 - 32,5 kW
Fumes temperature	120 - 200 °C
Water capacity	52 dm ³
Recommended chimney draught	15 - 25 Pa
Height / Depth / Width	1489 x 791 x 1259 mm
Height to fumes outlet	1299 mm
Height with open fuel storage clap	1500 mm (EKO) / 1950 mm (NG)
Weight	590 kg (EKO) / 640 kg (NG)

Main advantages of the **LE** series :

5 *year*
WARRANTY

P265GH

HIGHEST QUALITY
BOILER STEEL GRADE USED

up to **6** *mm*
THICKNESS OF INNER
EXCHANGER

**GRANULATED COAL
OR PELLETS**
PRIMARY FUEL
(DEPENDS OF BURNER TYPE)

~91%
VERY HIGH
BOILER EFFICIENCY

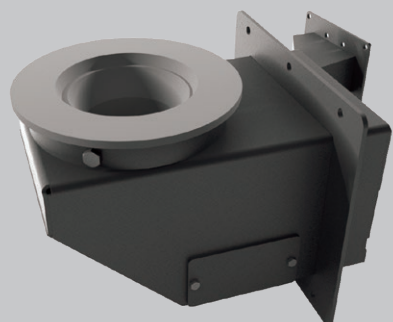
2
BURNERS TO CHOOSE
RETORT OR PELLETS

MODERN AND INTUITIVE
HEATING SYSTEM
CONTROLLER **AS STANDARD**

PATENTED BY KLIMOSZ:
REVERSIBLE FUMES OUTLET
TO CONNECT EVERY
CHIMNEY WITH EASE

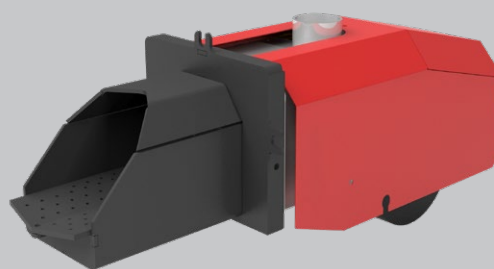

POSSIBLE TO CONTROL
FROM SMARTPHONE

LE/LE PELET *series*



KLIMOSZ **LE**
retort multifuel burner

It is a durable and proven for many years structure designed for efficient combustion of granulated coal and pellet with very high efficiency of approx. 90%. The retort elbow and grate are made of cast iron. In addition, reliability is demonstrated by the use of the highest quality gearmotor of a reputable manufacturer with a simple and effective protection against blocking the feed screw.



KLIMOSZ **LE**
pellets burner

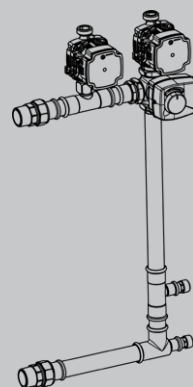
Innovative pellet burner with high efficiency up to 99% with double automatic cleaning system in the standard: air-blowing cleaning system and mechanical cleaning system with forward-backward movable grate. Pellet burner also has the function of automatic fire starting, automatic ending burning process and automatic resuming if boiler receive a signal from temperature sensors to produce heat. All these systems provides major savings in fuel consumption (~30% referred to retort or horizontal burner) - boiler with this kind of burner do not consume any gram of fuel when it is not necessary.

ecodesign



NEW

LE/LEPELET/MULTI LE 10, 15, 20 AND 25
BOILERS MODELS AVAILABLE WITH A
PUMP GROUP FOR QUICK
INSTALLATION



Klimosz LE with pellets burner in **NG** version

Klimosz LE with retort burner in **NG** version



Klimosz boilers from the LE series are a product that meets the most stringent requirements of emission and ecological standards. Minimizing environmental pollution is the result of a carefully thought-out design of the device. Monthly tests have led to obtain the highest possible efficiency (up to 91.2%) while maintaining the minimum emissions of harmful substances. Klimosz LE series have a "5th class" highest emission standard and EcoDesign certificate for pellets.

5 year
WARRANTY

Klimosz LE is made of the highest quality materials, whose production process meets the highest European quality standards. The proof of strength and reliability of this device is a full 5-year warranty, which Klimosz grants to the integrity of the boiler steel exchanger.

P265GH

BOILER STEEL

Klimosz LE has a highly efficient flame exchanger made of the highest quality P265GH boiler steel. A heat exchanger of this type has a very large heat recovery area from flue gas, which directly translates into high boiler efficiency. Thanks to this Klimosz LE boiler has very low fuel consumption, generating more heat every ton of fuel.



Klimosz LE has a universal and well thought out design - it allows you to change the side of the fuel storage, so You can fit it to any type of boiler room.



Klimosz LE is reliability and safety. The boiler has durable igniter, resistant to burnout thanks to making it from special metal alloy, much more durable in relation to the standard ceramic equivalents of the previous generation. The boiler has a number of protections: the SPIRO type feeder pipe from a special melting material, which provides reliable protection against backfire even in the event of power failure, the second protection is a temperature sensor inside the burner feeder tube, which in the case of excessive temperature detection pushes out the pellets preventing the penetration of heat next to the tray.







The variable outlet of the flue makes it easier to connect the boiler to the chimney whether it is led vertically or horizontally.



Arrangement of the connections on both sides of the boiler to C.H. and H.U.W.: simplifies assembly and reduces assembly costs.

Version EKO :		LE 10	LE 15	LE 20	LE 25	LE 30	LE 35	LE 40
	Standard controller		KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.					
	Optional controller		PLUM 860P - modern and intuitive controller with possibility to upgrade with additional modules. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump, buffer tank and a dedicated PLUM or AURATON room thermostat. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet. Possible to ugrade with lambda probe. After upgrade with module "B" offers two extra heating circuits (4-way valves, C.H. pumps and room thermostats). After upgrade with module "B" and module "C" offers four extra heating circuits (4-way valves, C.H. pumps and room thermostats).					
	Optional controller		PLUM 860P TOUCH - the same features as controller PLUM 860P + big touch display instead of classic display					
	Standard pellets storage	Capacity 310 L - folded, made of galvanized steel						
	Optional pellets storage	Capacity 900 L - folded, made of galvanized steel, dimensions 110 width x 110 depth x 150 cm height						
	Optional pellets storage	Capacity 1700 L - folded, made of galvanized steel, dimensions 125 width x 125 depth x 156 cm height						
	Optional WiFi module	Compatible with KLIMOSZ KOMFORT or PLUM 860P controller						

Version NG :		LE 10	LE 15	LE 20	LE 25	LE 30	LE 35	LE 40
	Standard controller		KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.					
	Optional controller		PLUM 860P - modern and intuitive controller with possibility to upgrade with additional modules. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump, buffer tank and a dedicated PLUM or AURATON room thermostat. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet. Possible to ugrade with lambda probe. After upgrade with module "B" offers two extra heating circuits (4-way valves, C.H. pumps and room thermostats). After upgrade with module "B" and module "C" offers four extra heating circuits (4-way valves, C.H. pumps and room thermostats).					
	Optional controller		PLUM 860P TOUCH - the same features as controller PLUM 860P + big touch display instead of classic display					
	Isolated front door cover	✓						
	Standard pellets storage	Capacity 310L, integrated into the boiler with a comfortable lifting handle and window for checking the level of pellets inside.						
	Optional WiFi module	Compatible with KLIMOSZ KOMFORT or PLUM 860P controller						

Primary fuel: pellets

Compliance with ecological standards	LE 10	LE 15	LE 20	LE 25	LE 30	LE 35	LE 40
5-CLASS: - for fuel: pellets	✓	✓	✓	✓	✓	✓	✓
ECODESIGN: - for fuel: pellets	✓	✓	✓	✓	✓	✓	✓
ErP Energy efficiency class	A+	A+	A+	A+	A+	A+	A+

Technical data	LE 10	LE 15	LE 20	LE 25	LE 30	LE 35	LE 40
Nominal power: - for fuel: pellets	10 kW	16 kW	22 kW	26,35 kW	30,7 kW	35,75 kW	40,8 kW
Efficiency: - for fuel: pellets	89,2 %	88,89 %	90,2 %	90,3 %	91 %	91,1 %	91,2 %
Power range	3 - 10 kW	4,5 - 16 kW	6 - 22 kW	7,45 - 26,35 kW	8,9 - 30,7 kW	10,2 - 35,75 kW	12 - 40,8 kW
Fumes temperature	90 - 140 °C						
Water capacity	83 dm ³	85 dm ³	105 dm ³	109 dm ³	112 dm ³	118 dm ³	125 dm ³
Recommended chimney draught	7 - 20 Pa	7 - 20 Pa	10 - 20 Pa	10 - 20 Pa	10 - 30 Pa	10 - 30 Pa	10 - 30 Pa
Height	1383 mm	1383 mm	1555 mm	1555 mm	1555 mm	1555 mm	1555 mm
Depth	740 mm	740 mm	840 mm	840 mm	840 mm	840 mm	980 mm
Width with fuel storage (EKO/NG)	1560 mm 1400 mm	1560 mm 1400 mm	1560 mm 1400 mm	1560 mm 1400 mm	1760 mm 1470 mm	1760 mm 1470 mm	1760 mm 1470 mm
Height to fumes outlet	1104 mm	1104 mm	1275 mm	1275 mm	1275 mm	1275 mm	1275 mm
Height with open fuel storage clap (EKO/NG)	1500 mm / 1800 mm						
Weight (EKO / NG)	390 / 410 kg	465 / 485 kg	500 / 520 kg	525 / 545 kg	550 / 570 kg	585 / 605 kg	600 / 620 kg



5
year
WARRANTY

Klimosz LE is made of the highest quality materials, whose production process meets the highest European quality standards. The proof of strength and reliability of this device is a full 5-year warranty, which Klimosz grants to the integrity of the boiler steel exchanger.

P265GH

BOILER STEEL

Klimosz LE has a highly efficient flame exchanger made of the highest quality P265GH boiler steel. A heat exchanger of this type has a very large heat recovery area from flue gas, which directly translates into high boiler efficiency. Thanks to this Klimosz LE boiler has very low fuel consumption, generating more heat every ton of fuel.

GRANULATED COAL
OR
PELLETS

Klimosz LE allows You to change the type of fuel from pellet to granulated coal at any time or vice versa. A necessary requirement when burning pellets in boilers with a retort / gutter burner is the use of the WATTS STS-20 safety valve, which is then used instead of the "fireman" on the tank.



Klimosz LE has a universal and well thought out design - it allows ou to change the side of the fuel storage, so You can fit it to any type of boiler room.



Klimosz LE is reliability and safety. The boiler has several independent thermal protections: boiler temperature sensor, feeder tube temperature sensor (in the case of detection of heat in the feeder pipe, the fuel pushes out emergency and switches off the fan). The boiler also has a safety device that works without the need of electricity in the form of a "firefighter" flooding the tank in an emergency.

Klimosz boilers from the LE series are a product that meets the most stringent requirements of emission and ecological standards. Minimizing environmental pollution is the result of a carefully thought-out design of the device. Monthly tests have led to obtain the highest possible efficiency (up to 91%) while maintaining the minimum emissions of harmful substances. Klimosz LE series have a "5th class" highest emission standard and EcoDesign certificate for granulated coal.



The variable outlet of the flue makes it easier to connect the boiler to the chimney whether it is led vertically or horizontally.



Arrangement of the connections on both sides of the boiler to C.H. and H.U.W.: simplifies assembly and reduces assembly costs.



Version EKO :		LE 10	LE 20	LE 30	LE 40
	Standard controller		KLIMOSZ ecoCONTROL - modern and intuitive controller. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated room thermostat.		
	Optional controller		KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.		
	Optional controller		PLUM 800R3 - modern and intuitive controller with possibility to upgrade with additional modules. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated PLUM or AURATON room thermostat. After upgrade with module "B" offers two extra heating circuits (4-way valves, C.H. pumps and room thermostats). After upgrade with module "B" and module "C" offers four extra heating circuits (4-way valves, C.H. pumps and room thermostats).		
	Standard fuel storage	190 L			
	Optional fuel storage	320 L			
	Optional WiFi module	Compatible only with KLIMOSZ KOMFORT controller			

Version NG :		LE 10	LE 20	LE 30	LE 40
	Standard controller		KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.		
	Optional controller		PLUM 800R3 - modern and intuitive controller with possibility to upgrade with additional modules. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated PLUM or AURATON room thermostat. After upgrade with module "B" offers two extra heating circuits (4-way valves, C.H. pumps and room thermostats). After upgrade with module "B" and module "C" offers four extra heating circuits (4-way valves, C.H. pumps and room thermostats).		
	Isolated front door cover				✓
	Standard fuel storage				230 L
	Optional fuel storage				320 L
	Optional WiFi module				Compatible only with KLIMOSZ KOMFORT controller

Primary fuel: granulated coal, **Secondary fuel:** pellets

Compliance with ecological standards	LE 10	LE 15	LE 20	LE 25	LE 30	LE 35	LE 40
5-CLASS: - for fuel: granulated coal - for fuel: pellets	✓ -	✓ -	✓ -	✓ -	✓ -	✓ -	✓ -
ECODESIGN: - for fuel: granulated coal - for fuel: pellets	✓ -	✓ -	✓ -	✓ -	✓ -	✓ -	✓ -
ErP Energy efficiency class	B	B	B	B	B	B	B

Technical data	LE 10	LE 15	LE 20	LE 25	LE 30	LE 35	LE 40
Nominal power: - for fuel: granulated coal	11,4 kW	16,2 kW	21 kW	21 kW	30 kW	35,5 kW	41 kW
Efficiency: - for fuel: granulated coal	89,7 %	89,95 %	90,3 %	89,6 %	89 %	89,35 %	89,7 %
Power range	3,4 - 11,4 kW	3,95 - 16,2 kW	7 - 21 kW	7 - 21 kW	9 - 30 kW	9,95 - 35,5 kW	12,3 - 41 kW
Fumes temperature	90 - 140 °C						
Water capacity	83 dm ³	85 dm ³	105 dm ³	109 dm ³	112 dm ³	118 dm ³	125 dm ³
Recommended chimney draught	5 - 15 Pa	5 - 15 Pa	10 - 20 Pa	10 - 20 Pa	10 - 25 Pa	10 - 25 Pa	10 - 30 Pa
Height x Depth x Width	1485 x 740 x 1180 mm	1485 x 740 x 1180 mm	1555 x 840 x 1180 mm	1555 x 840 x 1180 mm	1555 x 1250 x 1275 mm	1555 x 1250 x 1275 mm	1555 x 980 x 1250 mm
Height to fumes outlet	1104 mm	1104 mm	1275 mm	1275 mm	1275 mm	1275 mm	1275 mm
Height with open fuel storage clap (EKO/NG)	1500 mm / 1800 mm						
Weight (EKO / NG)	390 / 410 kg	465 / 485 kg	500 / 520 kg	525 / 545 kg	550 / 570 kg	585 / 605 kg	600 / 620 kg

Main advantages of the **DUO** series :

5 year
WARRANTY

P265GH

HIGHEST QUALITY
BOILER STEEL GRADE USED

ADDITIONAL GRATE
POSSIBLE TO BURN
SECONDARY FUEL (COAL OR
WOOD) IN MANUAL MODE

**GRANULATED COAL
OR PELLETS**
PRIMARY FUEL
(DEPENDS OF BURNER TYPE)

up to **90%**
HIGH
BOILER EFFICIENCY

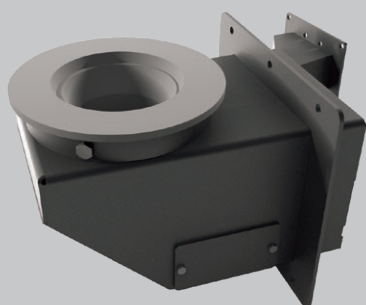
3
BURNERS TO CHOOSE
RETORT / MULTIFUEL / PELLETS

MODERN AND INTUITIVE
HEATING SYSTEM
CONTROLLER **AS STANDARD**

PATENTED BY KLIMOSZ:
REVERSIBLE FUMES OUTLET
TO CONNECT EVERY
CHIMNEY WITH EASE

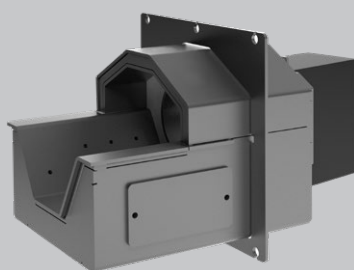

POSSIBLE TO CONTROL
FROM SMARTPHONE

DUO/MULTIDUO/DUOPELET *series*



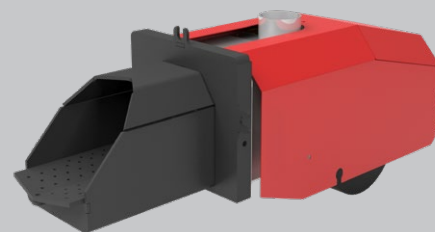
KLIMOSZ **DUO**
retort burner

It is a durable and proven for many years structure designed for efficient combustion of granulated coal and pellet with very high efficiency of approx. 90%. The retort elbow and grate are made of cast iron. In addition, reliability is demonstrated by the use of the highest quality gearmotor of a reputable manufacturer with a simple and effective protection against blocking the feed screw.



KLIMOSZ **MULTIDUO**
multifuel burner

Is a reliable and solid construction, its advantage in relation to the retort burner is the lack of a retort knee and hence lower resistance in feeding fuel, thanks to which - this type of burner is recommended for burning granulated fuels like: granulated coal, pellets, low-quality pellets, granulated biomass like seeds, biomass from olives. The unique design of the burner and the combustion process makes the boiler with this burner does not require a large chimney draft.

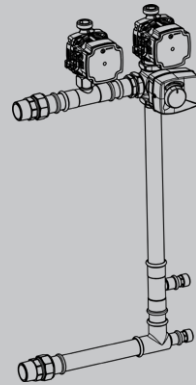


KLIMOSZ **DUOPELET**
pellets burner

Innovative pellet burner with high efficiency up to 99% with double automatic cleaning system in the standard: air-blowing cleaning system and mechanical cleaning system with forward-backward movable grate. Pellet burner also has the function of automatic fire starting, automatic ending burning process and automatic resuming if boiler receive a signal from temperature sensors to produce heat. All these systems provides major savings in fuel consumption (~30% referred to retort or horizontal burner) - boiler with this kind of burner do not consume any gram of fuel when it is not necessary.

NEW

**DUO/DUOPELET 15, 25
AND MULTIDUO 15/20 BOILERS
MODELS AVAILABLE WITH A PUMP
GROUP FOR QUICK
INSTALLATION**



Klimosz DUOPELET in **NG** version

Klimosz DUO / MULTIDUO in **NG** version,



Klimosz boilers from the DUOPELET series are a product that meets the most stringent requirements of emission and ecological standards. Minimizing environmental pollution is the result of a carefully thought-out design of the device. Monthly tests have led to obtain the highest possible efficiency (up to ~91%) while maintaining the minimum emissions of harmful substances.

5
year
WARRANTY

Klimosz DUOPELET is made of the highest quality materials, whose production process meets the highest European quality standards. The proof of strength and reliability of this device is a full 5-year warranty, which Klimosz grants to the integrity of the boiler steel exchanger.

P265GH

BOILER STEEL

Klimosz DUOPELET has a highly efficient flame exchanger made of the highest quality P265GH boiler steel. A heat exchanger of this type has a very large heat recovery area from flue gas, which directly translates into high boiler efficiency. Thanks to this Klimosz DUOPELET boiler has very low fuel consumption, generating more heat every ton of fuel.

POSSIBLE
TO BURN
COAL / WOOD

Klimosz DUOPELET has additional grate for burning secondary fuel: coal/wood in manual mode.



Klimosz DUOPELET has a universal and well thought out design - it allows you to change the side of the fuel storage, so You can fit it to any type of boiler room.






Klimosz DUOPELET is reliability and safety. The boiler has durable igniter, resistant to burnout thanks to making it from special metal alloy, much more durable in relation to the standard ceramic equivalents of the previous generation. The boiler has a number of protections: the SPIRO type feeder pipe from a special melting material, which provides reliable protection against backfire even in the event of power failure, the second protection is a temperature sensor inside the burner feeder tube, which in the case of excessive temperature detection pushes out the pellets preventing the penetration of heat next to the tray.






The variable outlet of the flue makes it easier to connect the boiler to the chimney whether it is led vertically or horizontally.



Arrangement of the connections on both sides of the boiler to C.H. and H.U.W.: simplifies assembly and reduces assembly costs.

Version EKO :		DUOPELET 15	DUOPELET 25	DUOPELET 35	DUOPELET 45
	Standard controller		KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.		
	Optional controller		PLUM 860P - modern and intuitive controller with possibility to upgrade with additional modules. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump, buffer tank and a dedicated PLUM or AURATON room thermostat. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet. Possible to upgrade with lambda probe. After upgrade with module "B" offers two extra heating circuits (4-way valves, C.H. pumps and room thermostats). After upgrade with module "B" and module "C" offers four extra heating circuits (4-way valves, C.H. pumps and room thermostats).		
	Optional controller				
	Standard pellets storage	Capacity 310 L - folded, made of galvanized steel			
	Optional pellets storage	Capacity 900 L - folded, made of galvanized steel, dimensions 110 width x 110 depth x 150 cm height			
	Optional pellets storage	Capacity 1700 L - folded, made of galvanized steel, dimensions 125 width x 125 depth x 156 cm height			
Optional WiFi module	Compatible with KLIMOSZ KOMFORT or PLUM 860P or PLUM 860P TOUCH controller				
Version NG :					

		DUOPELET 15	DUOPELET 25	DUOPELET 35	DUOPELET 45
	Standard controller		KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.		
	Optional controller		PLUM 860P - modern and intuitive controller with possibility to upgrade with additional modules. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump, buffer tank and a dedicated PLUM or AURATON room thermostat. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet. Possible to upgrade with lambda probe. After upgrade with module "B" offers two extra heating circuits (4-way valves, C.H. pumps and room thermostats). After upgrade with module "B" and module "C" offers four extra heating circuits (4-way valves, C.H. pumps and room thermostats).		
	Optional controller				
	Isolated front door cover		✓		
	Standard pellets storage	Capacity 310L, integrated into the boiler with a comfortable lifting handle and window for checking the level of pellets inside.			
	Optional WiFi module	Compatible with KLIMOSZ KOMFORT or PLUM 860P or PLUM 860P TOUCH controller			

Primary fuel: pellets

Compliance with ecological standards	DUOPELET 15	DUOPELET 25	DUOPELET 35	DUOPELET 45
5-CLASS: - for fuel: pellets	-	-	-	-
ECODESIGN: - for fuel: pellets	-	-	-	-
ErP Energy efficiency class	A+	A+	A+	A+

Technical data	DUOPELET 15	DUOPELET 25	DUOPELET 35	DUOPELET 45
Nominal power: - for fuel: pellets	14,9 kW	25,3 kW	35kW (26,8 kW nominal "5-class")	45 kW
Efficiency: - for fuel: pellets	90,1 %	90,3 %	90,8 %	~ 90 %
Power range	4,5 - 15 kW	7,5 - 25,3 kW	10,5 - 35 kW	13,5 - 45 kW
Fumes temperature	100 - 170 °C		100 - 200 °C	
Heat exchanger area	2,1 m ²	3,1 m ²	3,5 m ²	4,4 m ²
Water capacity	70 dm ³	92 dm ³	105 dm ³	115 dm ³
Recommended chimney draught	7 - 20 Pa	10 - 20 Pa	10 - 30 Pa	10 - 20 Pa
Possible to install in closed heating system	✓	✓	✓	✓
Height	1485 mm	1555 mm	1555 mm	1555 mm
Depth	740 mm	840 mm	840 mm	980 mm
Width with fuel storage (EKO/NG)	1560 mm / 1400 mm	1560 mm / 1400 mm	1760 mm / 1470 mm	1760 mm / - mm
Height to fumes outlet	1104 mm	1275 mm	1275 mm	1275 mm
Height with open fuel storage clap (EKO/NG)	1500 mm / 1800 mm			- / 1800 mm
Weight (EKO / NG)	360 / 380 kg	430 / 450 kg	460 / 480 kg	560 / - kg



5 year
WARRANTY

Klimosz DUO is made of the highest quality materials, whose production process meets the highest European quality standards. The proof of strength and reliability of this device is a full 5-year warranty, which Klimosz grants to the integrity of the boiler steel exchanger.

P265GH

BOILER STEEL

Klimosz DUO has a highly efficient flame exchanger made of the highest quality P265GH boiler steel. A heat exchanger of this type has a very large heat recovery area from flue gas, which directly translates into high boiler efficiency. Thanks to this Klimosz DUO boiler has very low fuel consumption, generating more heat every ton of fuel.

POSSIBLE
TO BURN
COAL / WOOD

Klimosz DUO has additional grate for burning secondary fuel: coal/wood in manual mode.

GRANULATED COAL
OR
PELLETS

Klimosz DUO allows You to change the type of fuel from pellet to granulated coal at any time or vice versa. A necessary requirement when burning pellets in boilers with a retort / gutter burner is the use of the WATTS STS-20 safety valve, which is then used instead of the "fireman" on the tank.



Klimosz DUO has a universal and well thought out design - it allows ou to change the side of the fuel storage, so You can fit it to any type of boiler room.



Klimosz DUO is reliability and safety. The boiler has several independent thermal protections: boiler temperature sensor, feeder tube temperature sensor (in the case of detection of heat in the feeder pipe, the fuel pushes out emergency and switches off the fan). The boiler also has a safety device that works without the need of electricity in the form of a "firefighter" flooding the tank in an emergency.

Klimosz boilers from the DUO series are a product that meets the most stringent requirements of emission and ecological standards. Minimizing environmental pollution is the result of a carefully thought-out design of the device. Monthly tests have led to obtain the highest possible efficiency (up to ~90%) while maintaining the minimum emissions of harmful substances.






The variable outlet of the flue makes it easier to connect the boiler to the chimney whether it is led vertically or horizontally.



Arrangement of the connections on both sides of the boiler to C.H. and H.U.W.: simplifies assembly and reduces assembly costs.



Version EKO :		DUO 15	DUO 25	DUO 35	DUO 45
	Standard controller	 KLIMOSZ ecoCONTROL - modern and intuitive controller. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated room thermostat.			
	Optional controller	 KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.			
	Optional controller	 PLUM 800R3 - modern and intuitive controller with possibility to upgrade with additional modules. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated PLUM or AURATON room thermostat. After upgrade with module "B" offers two extra heating circuits (4-way valves, C.H. pumps and room thermostats). After upgrade with module "B" and module "C" offers four extra heating circuits (4-way valves, C.H. pumps and room thermostats).			
	Standard fuel storage	190 L			
	Optional fuel storage	320 L			
	Optional WiFi module	Compatible only with KLIMOSZ KOMFORT controller			

Version NG :		DUO 15	DUO 25	DUO 35	DUO 45
	Standard controller	 KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.			
	Optional controller	 PLUM 800R3 - modern and intuitive controller with possibility to upgrade with additional modules. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated PLUM or AURATON room thermostat. After upgrade with module "B" offers two extra heating circuits (4-way valves, C.H. pumps and room thermostats). After upgrade with module "B" and module "C" offers four extra heating circuits (4-way valves, C.H. pumps and room thermostats).			
	Isolated front door cover	✓			
	Standard fuel storage	230 L			320 L
	Optional fuel storage	320 L			-
	Optional WiFi module	Compatible only with KLIMOSZ KOMFORT controller			

Primary fuel: granulated coal, **Secondary fuel:** pellets

Compliance with ecological standards	DUO 15	DUO 25	DUO 35	DUO 45
5-CLASS: - for fuel: granulated coal - for fuel: pellets	-	-	-	-
ECODESIGN: - for fuel: granulated coal - for fuel: pellets	-	-	-	-
ErP Energy efficiency class	D	C	B	B

Technical data	DUO 15	DUO 25	DUO 35	DUO 45
Nominal power: - for fuel: granulated coal - for fuel: pellets	15 kW 14,7 kW	25,3 kW 18,8 kW	35 kW 28,6 kW	45 kW 39 kW
Efficiency: - for fuel: granulated coal - for fuel: pellets	~ 80 % 77,9 %	~ 80 % 89,3 %	~ 80 % 90,3 %	~ 80 % ~ 90 %
Power range	4,5 - 15 kW	7,5 - 25,3 kW	10,5 - 35 kW	13,5 - 45 kW
Fumes temperature	100 - 200 °C			100 - 260 °C
Heat exchanger area	2,1 m ²	3,1 m ²	3,5 m ²	4,4 m ²
Water capacity	70 dm ³	92 dm ³	105 dm ³	115 dm ³
Recommended chimney draught	10 - 20 Pa	10 - 20 Pa	15 - 20 Pa	20 - 25 Pa
Possible to install in closed heating system	✓	✓	✓	✓
Height	1485 mm	1555 mm	1555 mm	1555 mm
Depth	740 mm	840 mm	840 mm	980 mm
Width with fuel storage (EKO/NG)	1560 mm / 1400 mm	1560 mm / 1400 mm	1760 mm / 1470 mm	1760 mm / - mm
Height to fumes outlet	1104 mm	1275 mm	1275 mm	1275 mm
Height with open fuel storage clap (EKO/NG)	1500 mm / 1800 mm			- / 1800 mm
Weight (EKO / NG)	405 / 425 kg	490 / 510 kg	520 / 540 kg	- / 640 kg



5 year
WARRANTY

Klimosz MULTIDUO is made of the highest quality materials, whose production process meets the highest European quality standards. The proof of strength and reliability of this device is a full 5-year warranty, which Klimosz grants to the integrity of the boiler steel exchanger.

P265GH

BOILER STEEL

Klimosz MULTIDUO has a highly efficient flame exchanger made of the highest quality P265GH boiler steel. A heat exchanger of this type has a very large heat recovery area from flue gas, which directly translates into high boiler efficiency. Thanks to this Klimosz MULTIDUO boiler has very low fuel consumption, generating more heat every ton of fuel.

POSSIBLE
TO BURN
COAL / WOOD

Klimosz MULTIDUO has additional grate for burning secondary fuel: coal/wood in manual mode.

GRANULATED COAL
OR
PELLETS

Klimosz MULTIDUO allows You to change the type of fuel from pellet to granulated coal at any time or vice versa. A necessary requirement when burning pellets in boilers with a retort / gutter burner is the use of the WATTS STS-20 safety valve, which is then used instead of the "fireman" on the tank.



Klimosz MULTIDUO has a universal and well thought out design - it allows ou to change the side of the fuel storage, so You can fit it to any type of boiler room.



Klimosz MULTIDUO is reliability and safety. The boiler has several independent thermal protections: boiler temperature sensor, feeder tube temperature sensor (in the case of detection of heat in the feeder pipe, the fuel pushes out emergency and switches off the fan). The boiler also has a safety device that works without the need of electricity in the form of a "firefighter" flooding the tank in an emergency.

Klimosz boilers from the MULTIDUO series are a product that meets the most stringent requirements of emission and ecological standards. Minimizing environmental pollution is the result of a carefully thought-out design of the device. Monthly tests have led to obtain the highest possible efficiency (up to ~90%) while maintaining the minimum emissions of harmful substances.



The variable outlet of the flue makes it easier to connect the boiler to the chimney whether it is led vertically or horizontally.



Arrangement of the connections on both sides of the boiler to C.H. and H.U.W.: simplifies assembly and reduces assembly costs.



Version EKO :	MULTIDUO 15		MULTIDUO 20	MULTIDUO 32
	Standard controller		KLIMOSZ ecoCONTROL - modern and intuitive controller. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated room thermostat.	
	Optional controller		KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.	
	Optional controller		PLUM 800R3 - modern and intuitive controller with possibility to upgrade with additional modules. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated PLUM or AURATON room thermostat. After upgrade with module "B" offers two extra heating circuits (4-way valves, C.H. pumps and room thermostats). After upgrade with module "B" and module "C" offers four extra heating circuits (4-way valves, C.H. pumps and room thermostats).	
	Standard fuel storage	190 L		
	Optional fuel storage	320 L		
	Optional WiFi module	Compatible only with KLIMOSZ KOMFORT controller		

Version NG :		MULTIDUO 15	MULTIDUO 20	MULTIDUO 32
	Standard controller		KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.	
	Optional controller		PLUM 800R3 - modern and intuitive controller with possibility to upgrade with additional modules. It supports, among others: 4-way valve, C.H. pump, H.U.W. pump and a dedicated PLUM or AURATON room thermostat. After upgrade with module "B" offers two extra heating circuits (4-way valves, C.H. pumps and room thermostats). After upgrade with module "B" and module "C" offers four extra heating circuits (4-way valves, C.H. pumps and room thermostats).	
	Isolated front door cover	✓		
	Standard fuel storage	230 L		
	Optional fuel storage	320 L		
	Optional WiFi module	Compatible only with KLIMOSZ KOMFORT controller		

Primary fuel: granulated coal, **Secondary fuel:** pellets

Compliance with ecological standards	MULTIDUO 15	MULTIDUO 20	MULTIDUO 32
5-CLASS: - for fuel: granulated coal - for fuel: pellets	-	-	-
ECODESIGN: - for fuel: granulated coal - for fuel: pellets	-	-	-
ErP Energy efficiency class	D	C	B

Technical data	MULTIDUO 15	MULTIDUO 20	MULTIDUO 32
Nominal power: - for fuel: granulated coal - for fuel: pellets	15 kW 15 kW	20,4 kW 17 kW	32 kW 18,8 kW
Efficiency: - for fuel: granulated coal - for fuel: pellets	~ 80 % ~ 80 %	89,4 % ~ 80 %	~ 80 % 89,4 %
Power range	4,5 - 15 kW	7,5 - 25,3 kW	10,5 - 35 kW
Fumes temperature	100 - 200 °C		100 - 260 °C
Heat exchanger area	2,1 m ²	3,1 m ²	3,5 m ²
Water capacity	70 dm ³	92 dm ³	105 dm ³
Recommended chimney draught	10 - 20 Pa	10 - 20 Pa	15 - 20 Pa
Possible to install in closed heating system	✓	✓	✓
Height	1485 mm	1555 mm	1555 mm
Depth	740 mm	840 mm	840 mm
Width with fuel storage (EKO/NG)	1560 mm / 1400 mm	1560 mm / 1400 mm	1760 mm / 1470 mm
Height to fumes outlet	1104 mm	1275 mm	1275 mm
Height with open fuel storage clap (EKO/NG)	1500 mm / 1800 mm		- / 1800 mm
Weight (EKO / NG)	405 / 425 kg	490 / 510 kg	520 / 540 kg



BOILERS 50-200kW *commercial heating solutions*



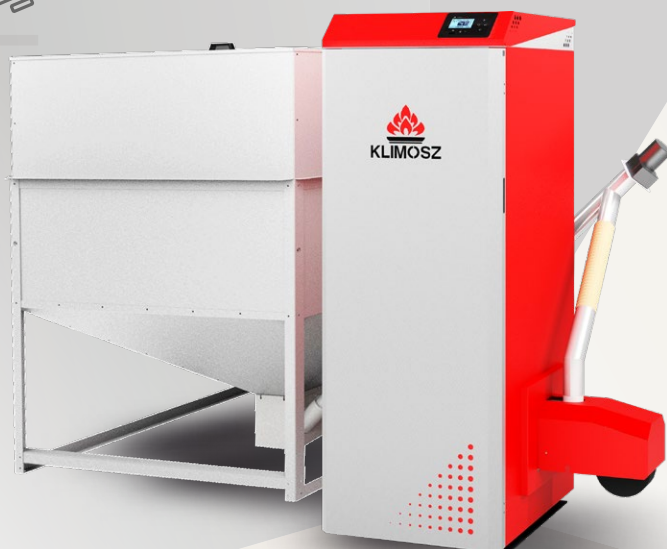


Modern design, long work on one fuel storage refuel and the highest efficiency

LE 50-75 with pellet burner

Versions: 50/69/75kW.

The LE series boilers with a pellet burner are characterized by a proven and reliable design based on the well-known, renowned Klimosz DUOPELET model, offered for many years and proven in several thousand boiler houses. The high-efficiency exchanger is made of the highest quality P265GH boiler steel, it has a greater number of water shelves compared to its predecessors, and thus an exceptionally high heat exchange surface of the exchanger - which guarantees very high real efficiency of the boiler and minimal fuel consumption. The LE PELET series is equipped with a pellet burner specially designed for the most comfortable and efficient heating with pellets. The NG equipment version is characterized by a modern design, solutions increasing the comfort of use and has the highest efficiency and reliability in its class, moreover, large hoppers allow extremely long work on one pellet batch.



On the render above, the LE series with a pellet burner in the NG version with a 900L storage tank

ecodesign

Ecological source of heat

The DUO INDUSTRIAL NG series is a new generation of environmentally friendly boilers with significantly lower emissions and lower fuel consumption than boilers of previous generations.



HIGH EFFICIENCY LOW FUEL CONSUMPTION

High heat recovery efficiency

Our boilers have an exceptionally large active surface of the exchanger, which translates into a high level of heat recovery from the flue gas stream and low fuel consumption - making the operation of this series of boilers extremely economical.



Fire tube exchanger

This easy-to-clean type of exchanger in combination with an exceptionally large heat recovery area from the flue gases makes Klimosz boilers characterized by an exceptionally high real value of thermal efficiency with minimal fuel consumption.

P265GH

Top quality boiler steel

Boilers in this series are distinguished by a steel exchanger made of the highest quality P265GH boiler steel with a wall thickness of 6mm.

AUTOMATIC IGNITION

Automatic firing up / extinguishing

The pellet burner is characterized by the highest comfort of use - the boiler automatically fires up or goes out on the basis of the set preset temperatures. In addition, the boiler does not use a gram of fuel between work cycles, as is the case with boilers with a retort burner.

5-year WARRANTY

Klimosz guarantee

The highest quality materials and workmanship make us provide a full 5-year warranty on the tightness of the exchanger. Details of the warranty conditions are available in the boiler operation and maintenance manual.



Pellet burner with cleaning system

Modern pellet burner, specially designed for the most efficient combustion of pellets (combustion efficiency up to 99%), gaining the comfort of use comparable to gas boilers. The burner has a double automatic cleaning system as standard (blowing and mechanical - with a movable burner grate).

CERAMICS

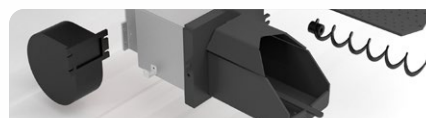
Ceramics inside the boiler

Special ceramic / concrete plates act as a catalyst for exhaust gases, and due to their special arrangement they extend the path of exhaust gas flow in the exchanger, which increases the efficiency of the boiler.



The highest level of security

The boiler is characterized by a number of innovative solutions that affect its reliability and work safety. The pipe of the SPIRO feeder is made of a special fusible material, which is a reliable protection even in the event of a power failure! Temperature sensor inside the burner feeder pipe, which, in the event of excessive temperature detection, pushes the pellets out, preventing the heat from spreading further.



Reliability guaranteed

Each element of the boiler is the result of our many years of experience. We only use the highest-quality, proven solutions. For example, we used an igniter made of a burnout-resistant special metal alloy, which makes it much more durable than its ceramic counterparts. Our products undergo many months of series of tests before implementation, and each boiler is subjected to a detailed quality control.

Features of the NG equipment version with 900 / 1700L fuel storages:



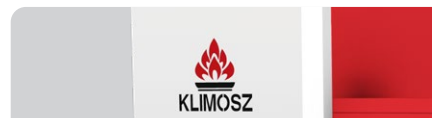
Universal flue outlet

This solution, patented by Klimosz, enables easy and comfortable connection of the boiler to each chimney using the minimum length of the flue pipes, which reduces the cost of connection and eliminates the need for any modifications.



Double connection nozzles

Removal of stub pipes on both sides facilitates and reduces the time needed for installation work and boiler connection. Thanks to the possibility of running a central heating installation, the number of needed fittings and installation materials is limited to the closer stub.



Modern design - protective door

The NG version boilers are additionally equipped with a cover door with an insulating layer inside, which reduces heat loss, increases the thermal efficiency of the boiler and has high aesthetic and safety values.

900 / 1700 L

Comfortable fuel storage capacity

The large capacity of the container allows even more comfortable operation of the boiler by extending the work on one charge of the fuel container. The time of operation of the boiler on full charge varies depending on the power with which the boiler is operated, the external temperature and the capacity of the tank.



Mobile fuel storage

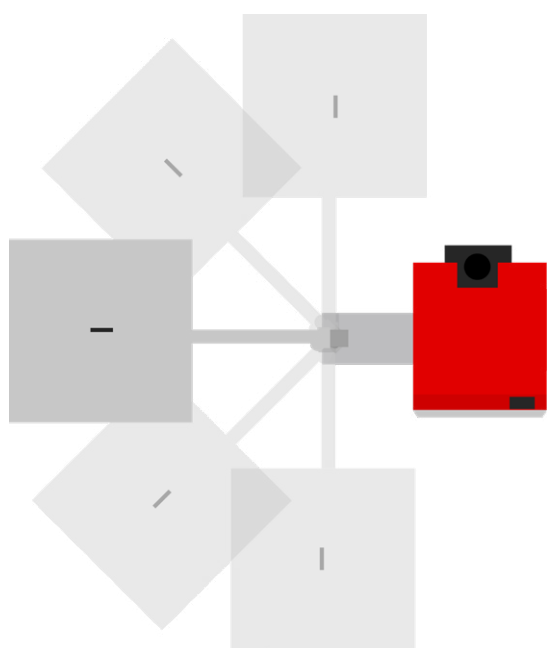
The hopper can be placed on the left / right side of the boiler. The only limitation is the length of the feeding system pipe - this unique feature allows the container to be placed in almost any position in relation to the boiler.



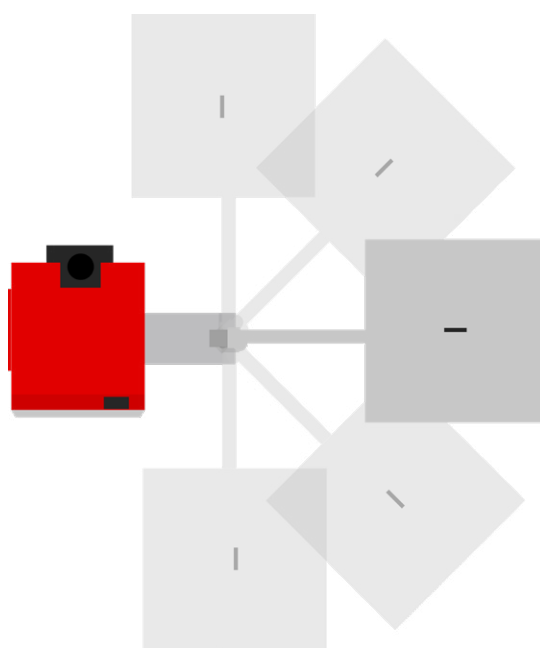
Optional touch display boiler controller

You can choose: two models with buttons and the top model with a large, color touch screen. PLUM controllers can be expanded with additional modules. In addition, each controller can be equipped with a WiFi module.

Possibility of placing the fuel storage depending on the selected side of the burner:



Burner on the left (left version)



Burner on the right (right version)

Optional equipment

P - Compatible with PLUM controllers	K - Compatible with Klimosz KOMFORT controllers
4-way valve ESBE 6/4" (for LE 50)	P K
4-way valve ESBE 2" (for LE 69/75)	P K
Actuator for 4-way valve ESBE ARA661	P K
Safety valve DBV-1	-
WiFi module PLUM (ecoNET)	P
WiFi module Klimosz KOMFORT (Solato)	K
Sonda lambda probe	P
Extension module B / Extension module C	P
Room thermostat ecoSTER 200 (wired)	P
Room thermostat ecoSTER-TOUCH (wired, touch display)	P
Room thermostat AURATON TUCANA (wired)	P K
Room thermostat AURATON TUCANA SET (wireless)	P K

Delivery range

- Complete boiler with a highly efficient steel tube heat exchanger, ceramic elements, feeding system and pellet burner
- Boiler electronic controller - depending on the selected version
- 900 / 1700L pellet fuel storage - depending on the selected version
- The protective front door is additionally insulated
- Ashpan
- Cleaning kit

Available boiler controllers



Klimosz Komfort RT-16

- A modern and easy-to-use controller with button control
- Support for 2 heating circuits as standard
- Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function
- Support for an additional heat source
- The ability to control the boiler remotely (requires an additional WiFi module - Solato)
- Possibility of cooperation with any room thermostat normally open-break (e.g. Auraton)

PLUM ecoMAX 860P

- A modern and easy-to-use controller with button and knob control
- Support for the 1st heating circuit with the possibility of extension to a maximum of 5
- Buffer tank service
- Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function
- Fuel level indications in the container (on the controller / on the room thermostat)
- Support for an additional heat source
- Possibility of cooperation with a decoated PLUM room thermostat or any room thermostat with a contact / break (e.g. Auraton)
- Expandable with additional modules (WiFi, lambda sensors, B / C extensions)

PLUM ecoMAX 860P TOUCH

- A modern controller with intuitive control via a large, color touch screen
- Support for the 1st heating circuit with the possibility of extension to a maximum of 5
- Buffer tank service
- Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function
- Fuel level indications in the container (on the controller / on the room thermostat)
- Support for an additional heat source
- Possibility of cooperation with a decoated PLUM room thermostat or any room thermostat with a contact / break (e.g. Auraton)
- Expandable with additional modules (WiFi, lambda sensors, B / C extensions)



Possible to remote control via WiFi !

This functionality is available for Klimosz KOMFORT and PLUM controllers - requires an optional WiFi module.

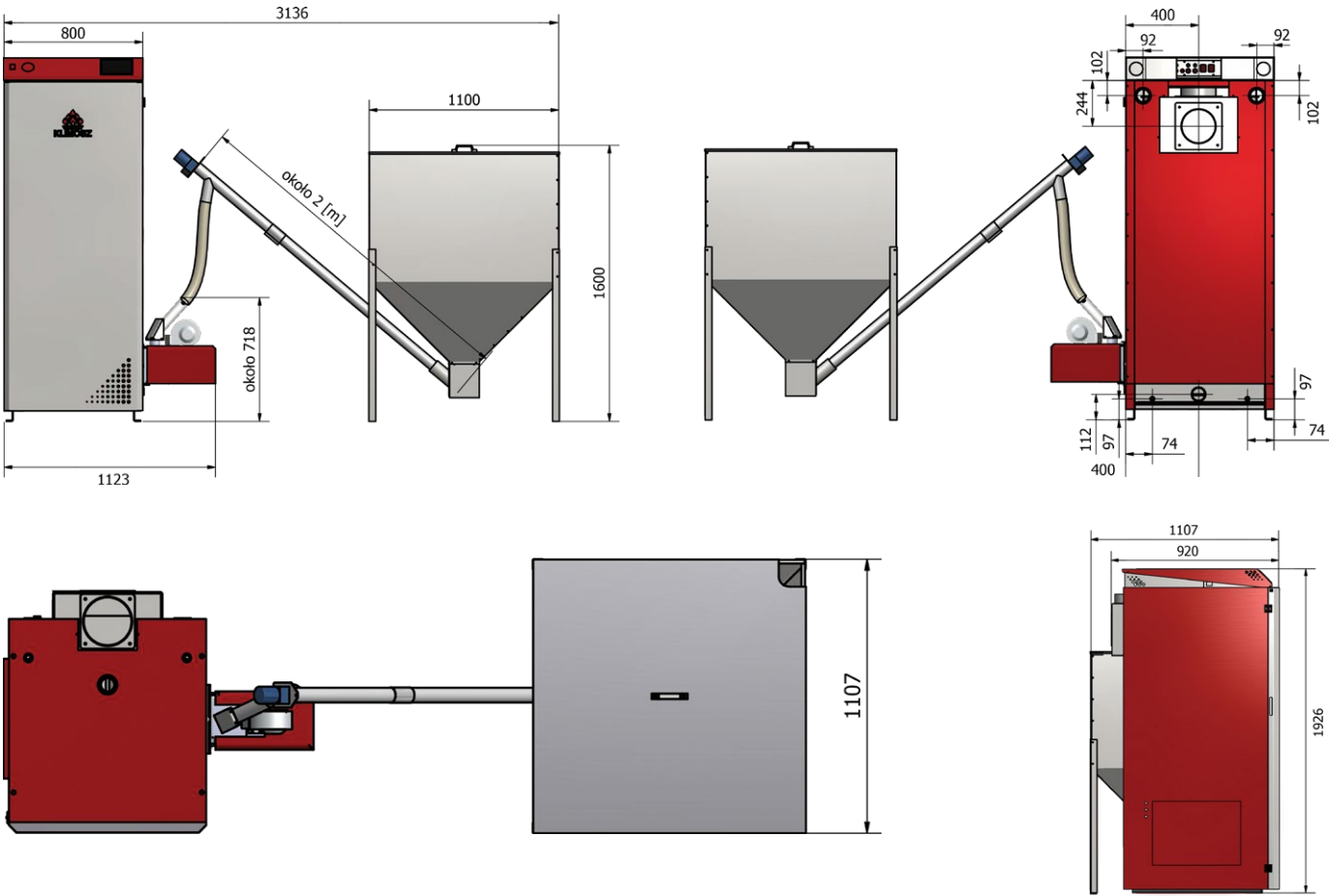
Technical data

	LE 50 with pellet burner	LE 69 / 75 with pellet burner
Ecodesign compliance (EU Commission Regulation 2015/1189)	✓	✓
ERP class	A+	A+ / not aplicable
Basic fuel	wood pellets, granulation 6mm (in accordance with PN-EN 303-5: 2012 - type C)	
Efficiency [%]	91,3	91,3 / 91,3
Power regulation range [kW]	15 - 50	20,7 - 69 / 22,5 - 75
Fuel tank [dm3]	900/1700	900/1700
Water volume [dm3]	171	225
Recommended chimney draft [Pa]	20 - 35	20 - 35
Weight [kg]	880	1030
Notes on the installation and operation of the boiler	Before assembly / installation / use, read the technical documentation of the boiler	

Connections

	LE 50 with pellet burner	LE 69 / 75 with pellet burner
Boiler connection diameters [Inch]	1 1/2 GW	2 GW
Boiler connection location	C. O. return and flow - at the back of the boiler	
Smoke flue	universal vertical / horizontal, with the possibility of changing the outlet depending on the needs by changing the places of the plug with the flue	
Flue diameter [mm]	160	200
Height to the axis of the flue [mm]	1582	1582
Boiler height with open hopper flap [mm]	depending on the type of tank	

Dimensions - LE 50 with a pellet burner:



LE 50-75 with retort burner



Versions: 50/69/75kW.

The LE series boilers are characterized by a proven and reliable design based on the well-known and valued Klimosz / Ling DUO model, offered for many years and proven in several thousand boiler houses. The high-efficiency exchanger is made of the highest quality P265GH boiler steel, it has a greater number of water shelves compared to its predecessors, and thus an exceptionally high heat exchange surface of the exchanger - which guarantees very high real efficiency of the boiler and minimal fuel consumption. The LE series is equipped with a retort burner, and the basic fuel is eco-pea coal - all models of this series are compatible with Ecodesign.

ecodesign

Ecological source of heat

The LE series is a new generation of environmentally friendly boilers with significantly lower emissions and lower fuel consumption than boilers of previous generations.

HIGH EFFICIENCY LOW FUEL CONSUMPTION

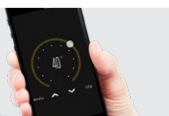
High heat recovery efficiency

Our boilers have an exceptionally large active surface of the exchanger, which translates into a high level of heat recovery from the flue gas stream and low fuel consumption - making the operation of this series of boilers extremely economical.

CERAMICS

Ceramics inside the boiler

Special ceramic / concrete plates act as a catalyst for exhaust gases, and due to their special arrangement they extend the path of exhaust gas flow in the exchanger, which increases the efficiency of the boiler.



Remote boiler control (option)

For investors who particularly appreciate the comfort of operation, we offer the option of retrofitting the boiler with an optional WiFi module, which allows remote control of the boiler along with the preview of the installation's operation and its status from anywhere using a smartphone (Klimosz application for iOS and Android) or via a web browser.

P265GH

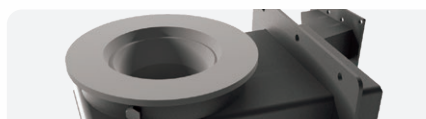
Certified boiler steel

Boilers in this series are distinguished by a steel exchanger made of the highest quality P265GH boiler steel with a wall thickness of 6mm.



Fire tube exchanger

This easy-to-clean type of exchanger in combination with an exceptionally large heat recovery area from the flue gases makes Klimosz boilers characterized by an exceptionally high real value of thermal efficiency with minimal fuel consumption.



Reliable retort burner

It is a durable and proven for years our proprietary design, specially designed for the most effective combustion of eco-pea coal with very high efficiency. The retort elbow and the grate are made of cast iron.



Reliability and safety

The boiler has several independent solutions ensuring reliable and safe use of the boiler, such as boiler temperature sensor, feeder pipe temperature sensor (when heat is detected in the feeder pipe, it pushes the fuel in emergency and turns off the fan) and the optional STS safety valve (see the list of accessories).

5-year WARRANTY

Klimosz guarantee

The highest quality materials and workmanship make us provide a full 5-year warranty on the tightness of the exchanger. Details of the warranty conditions are available in the boiler operation and maintenance manual.



Available with a variety of drivers

Klimosz boilers are equipped with modern controllers that differ in functionality. PLUM controllers, for example, can be expanded with additional modules, while Klimosz KOMFORT controllers can be, among others, equip with a WiFi module to control the boiler remotely.



Safety and ease of use

The container has a convenient closing system and an air actuator. The rubber seal is placed in the upper flap, which significantly extends its life and ensures full tightness.



Guarantee of the highest quality

The selection of each part of the boiler is the result of our many years of experience. We use only the highest quality, proven components to guarantee full reliability. Our products undergo many months of series of tests before implementation, and each boiler is subjected to detailed quality control documented by photos and confirmed by a quality protocol.

Available versions :

Protective front door
+ fuel storage 500L



NG 500
model LE 50

Protective front door
+ fuel storage 500L



NG 500
models LE 69/75

LE series advantages :



Universal flue outlet

This solution, patented by Klimosz, enables easy and comfortable connection of the boiler to each chimney using the minimum length of the flue pipes, which reduces the cost of connection and eliminates the need for any modifications.



Double connection nozzles

The removal of stub pipes on both sides of the boiler greatly facilitates the assembly and its convenient routing in the boiler room and reduces its cost by minimizing pipe sections and the number of fittings.



Protective front door

They have an additional insulating layer inside, which reduces heat loss and increases the thermal efficiency of the boiler.

Available boiler controllers :



Klimosz Komfort RT-16

- A modern and easy-to-use controller with button control
- Support for 2 heating circuits as standard
- Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function
- Support for an additional heat source
- The ability to control the boiler remotely (requires an additional WiFi module)
- Possibility of cooperation with any room thermostat normally open-break (e.g. Auraton)



Plum ecoMAX 800R3

- A modern and easy-to-use controller with button control
- Support for the 1st heating circuit (expandable to a maximum of 5)
- Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function
- Built-in temperature reduction function (night / day)
- Fuel level indications in the container (on the controller / on the room thermostat)
- Support for an additional heat source
- Possibility of cooperation with a dedicated Plum room thermostat or any room thermostat with a contact / break (e.g. Auraton)
- Possibility of extension by modules: module B (support for 2 heating circuits and buffer) and: module C (support for additional 2 heating circuits)
















Possible to remote controll via WiFi !


This functionality is available for Klimosz KOMFORT and PLUM controllers - requires an optional WiFi module.


Delivery range :

- Complete boiler with a highly efficient steel tube heat exchanger, ceramic elements, a feeding system and a retort burner.
- Boiler electronic controller - depending on the selected version
- 500L fuel storage
- Protective front door with an additional layer of insulation
- Ashpan
- Cleaning kit.

Optional equipment :

4-way valve ESBE 6/4" (for LE 50)	 	Room thermostat AURATON TUCANA (wired)	 
4-way valve ESBE 2" (for LE 69/75)	 	Room thermostat AURATON TUCANA SET (wireless)	 
Actuator for 4-way valve ESBE ARA661	 	Room thermostat ecoSTER 200 (wired)	
Safety valve DBV-1	-	Room thermostat ecoSTER-TOUCH (wired, touch display)	
WiFi module Klimosz KOMFORT (Solato)			
Extension module B / Extension module C			

 - Compatible with Klimosz KOMFORT

 - Compatible with Plum ecoMAX 800R3

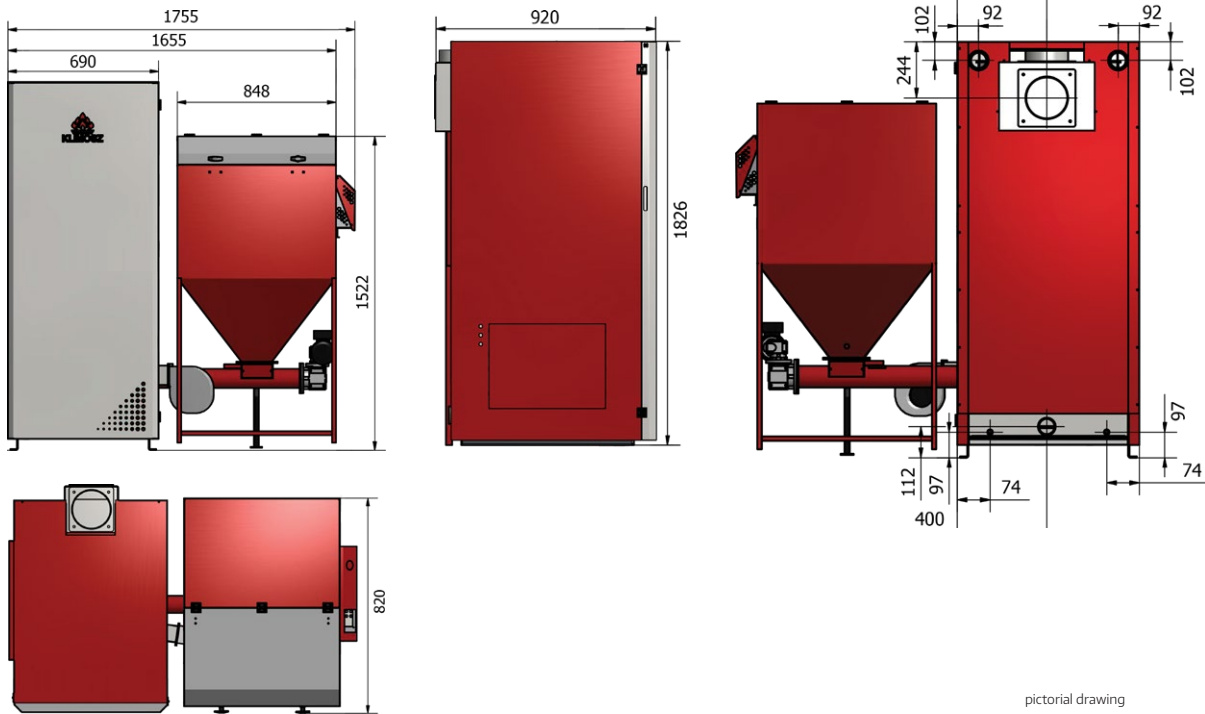
Technical data :

	LE 50 with retort burner	LE 69/75 with retort burner
Ecodesign compliance (EU Commission Regulation 2015/1189)	✓	✓
ERP class	B	B / not applicable
Basic fuel	hard coal (eco-pea coal, 8-25mm, max. 30mm)	
Efficiency [%]	91,4	91,78 / 91,9
Power regulation range [kW]	15 - 50	20,7 - 69 / 22,5 - 75
Fuel tank [dm3] - EKO / NG	500	500
Water volume [dm3]	171	225
Recommended chimney draft [Pa]	20 - 35	20 - 35
Weight [kg] - EKO / NG	880	1030
Notes on the installation and operation of the boiler	Before assembly / installation / use, read the technical documentation of the boiler. In boilers from 50kW (inclusive) and more, the STS safety valve is required (it is then used instead of the "fireman", which occurs in boilers with a capacity of up to 49kW)	

Dimensions :

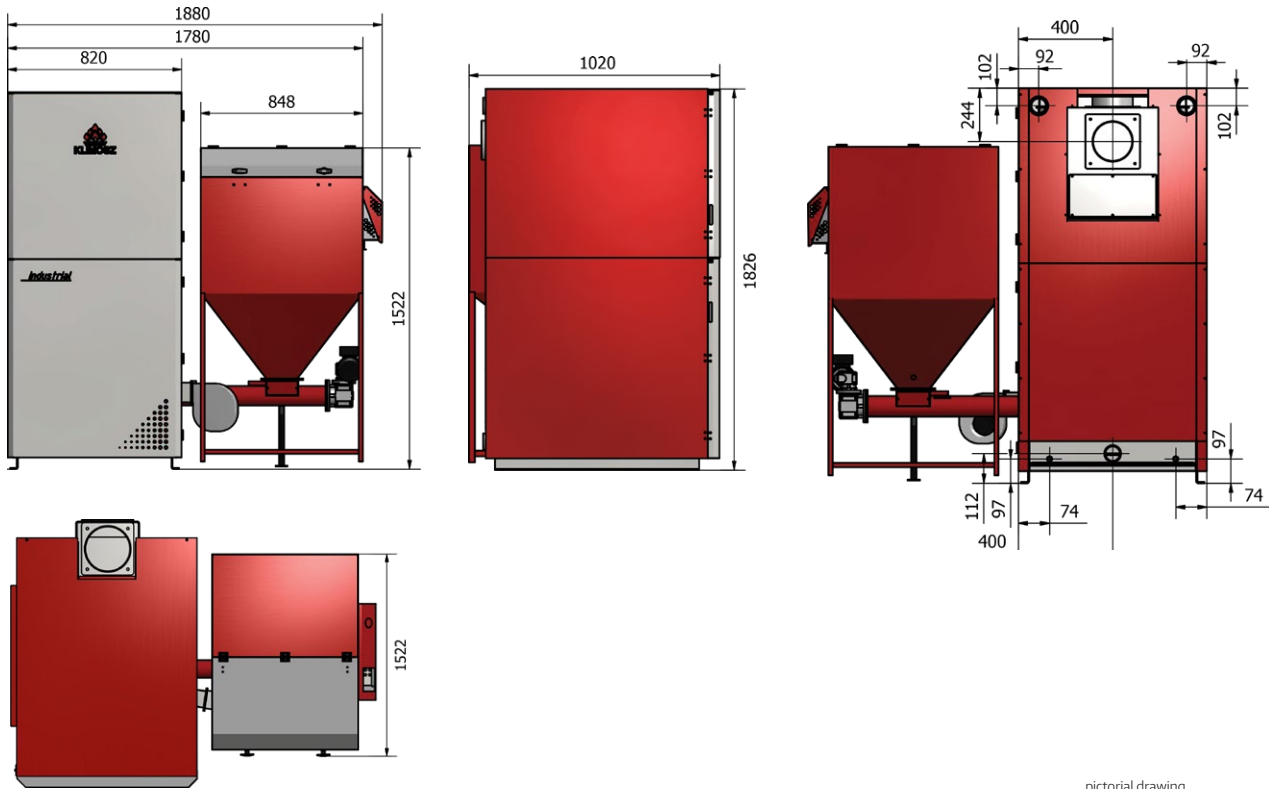
	LE 50 with retort burner	LE 69/75 with retort burner
Boiler connection diameters [Inch]	1 1/2 GW	2 GW
Boiler connection location	C. O. return and flow - at the back of the boiler	
Smoke flue	universal vertical / horizontal, with the possibility of changing the outlet depending on the needs by changing the places of the plug with the flue	
Flue diameter [mm]	160	200
Height to the axis of the flue [mm]	1582	1582
Boiler height with open hopper flap [mm]	1950	

LE 50 boiler dimensions:



pictorial drawing

Boiler dimensions LE 69/75:



pictorial drawing

Modern design, long work on one fuel storage refuel and the highest efficiency

DUO INDUSTRIAL NG with pellet burner

Version: 122kW (150kW).

The DUO INDUSTRIAL NG series boilers with a pellet burner are characterized by a proven and reliable design based on the well-known and valued Klimosz DUOPELET model, offered for many years and proven in several thousand boiler houses. The high-efficiency exchanger is made of the highest quality P265GH boiler steel, has an exceptionally large heat exchange surface - which guarantees very high real efficiency of the boiler and minimal fuel consumption. Boilers of this series are equipped with a pellet burner specially designed for the most comfortable and efficient heating with pellets. The NG equipment version is characterized by a modern design, solutions increasing the comfort of use and has the highest efficiency and reliability in its class, moreover, a large container allows extremely long work on one pellet charge.



ecodesign

Ecological source of heat

The DUO INDUSTRIAL NG series is a new generation of environmentally friendly boilers with significantly lower emissions and lower fuel consumption than boilers of previous generations.



HIGH EFFICIENCY LOW FUEL CONSUMPTION

High heat recovery efficiency

Our boilers have an exceptionally large active surface of the exchanger, which translates into a high level of heat recovery from the flue gas stream and low fuel consumption - making the operation of this series of boilers extremely economical.



Fire tube exchanger

This easy-to-clean type of exchanger in combination with an exceptionally large heat recovery area from the flue gases makes Klimosz boilers characterized by an exceptionally high real value of thermal efficiency with minimal fuel consumption.

P265GH

Top quality boiler steel

Boilers in this series are distinguished by a steel exchanger made of the highest quality P265GH boiler steel with a wall thickness of 6mm.

AUTOMATIC IGNITION

Automatic firing up / extinguishing

The pellet burner is characterized by the highest comfort of use - the boiler automatically fires up or goes out on the basis of the set preset temperatures. In addition, the boiler does not use a gram of fuel between work cycles, as is the case with boilers with a retort burner.

5-year WARRANTY

Klimosz guarantee

The highest quality materials and workmanship make us provide a full 5-year warranty on the tightness of the exchanger. Details of the warranty conditions are available in the boiler operation and maintenance manual.



Pellet burner with cleaning system

Modern pellet burner, specially designed for the most efficient combustion of pellets (combustion efficiency up to 99%), gaining the comfort of use comparable to gas boilers. The burner has a double automatic cleaning system as standard (blowing and mechanical - with a movable burner grate).

CERAMICS

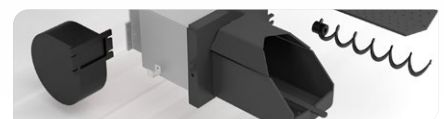
Ceramics inside the boiler

Special ceramic / concrete plates act as a catalyst for exhaust gases, and due to their special arrangement they extend the path of exhaust gas flow in the exchanger, which increases the efficiency of the boiler.



The highest level of security

The boiler is characterized by a number of innovative solutions that affect its reliability and work safety. The pipe of the SPIRO feeder is made of a special fusible material, which is a reliable protection even in the event of a power failure! Temperature sensor inside the burner feeder pipe, which, in the event of excessive temperature detection, pushes the pellets out, preventing the heat from spreading further.



Reliability guaranteed

Each element of the boiler is the result of our many years of experience. We only use the highest-quality, proven solutions. For example, we used an igniter made of a burnout-resistant special metal alloy, which makes it much more durable than its ceramic counterparts. Our products undergo many months of series of tests before implementation, and each boiler is subjected to a detailed quality control.

Features :



Universal flue outlet

This solution, patented by Klimosz, enables easy and comfortable connection of the boiler to each chimney using the minimum length of the flue pipes, which reduces the cost of connection and eliminates the need for any modifications.



Double connection nozzles

Removal of stub pipes on both sides facilitates and reduces the time needed for installation work and boiler connection. Thanks to the possibility of running a central heating installation, the number of needed fittings and installation materials is limited to the closer stub.



Modern design - protective door

The NG version boilers are additionally equipped with a cover door with an insulating layer inside, which reduces heat loss, increases the thermal efficiency of the boiler and has high aesthetic and safety values.

1700 L

Comfortable fuel storage capacity

The large capacity of the container allows even more comfortable operation of the boiler by extending the work on one charge of the fuel container. The time of operation of the boiler on full charge varies depending on the power with which the boiler is operated, the external temperature and the capacity of the tank.



Mobile fuel storage

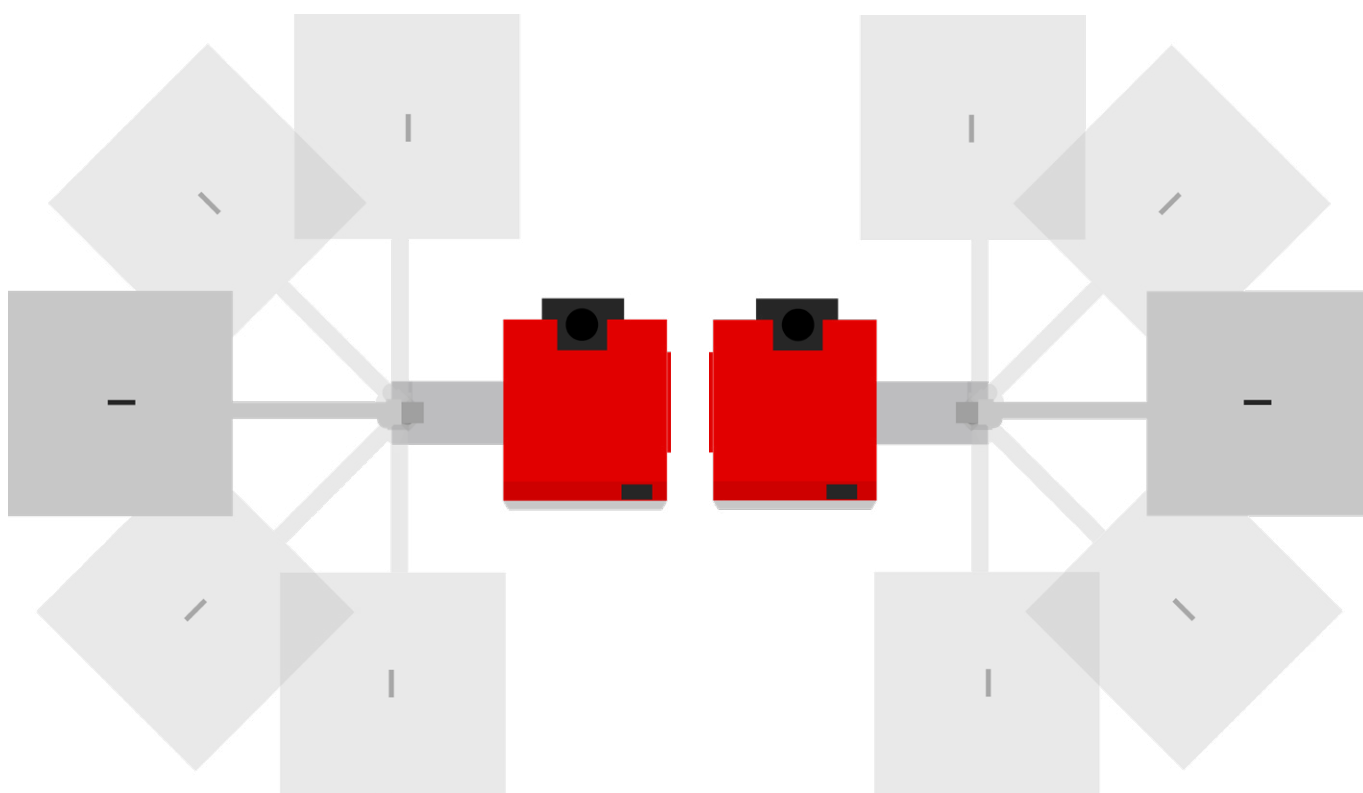
The hopper can be placed on the left / right side of the boiler. The only limitation is the length of the feeding system pipe - this unique feature allows the container to be placed in almost any position in relation to the boiler.



Optional touch display boiler controller

You can choose: two models with buttons and the top model with a large, color touch screen. PLUM controllers can be expanded with additional modules. In addition, each controller can be equipped with a WiFi module.

Possibility of placing the fuel storage depending on the selected side of the burner:



Burner on the left (left version)

Burner on the right (right version)



Optional equipment

P - Compatible with PLUM controllers	K - Compatible with Klimosz KOMFORT controllers
4-way valve ESBE 2"	P K
Actuator for 4-way valve ESBE ARA661	P K
Safety valve DBV-1	-
WiFi module PLUM (ecoNET)	P
WiFi module Klimosz KOMFORT (Solato)	K
Sonda lambda probe	P
Extension module B / Extension module C	P
Room thermostat ecoSTER 200 (wired)	P
Room thermostat ecoSTER-TOUCH (wired, touch display)	P
Room thermostat AURATON TUCANA (wired)	P K
Room thermostat AURATON TUCANA SET (wireless)	P K

Delivery range :

- Complete boiler with a highly efficient steel tube heat exchanger, ceramic elements, feeding system and pellet burner
- Boiler electronic controller - depending on the selected version
- 1700L pellet fuel storage - depending on the selected version
- The protective front door is additionally insulated
- Ashpan
- Cleaning kit

Available boiler controllers

		
Klimosz Komfort RT-16 <ul style="list-style-type: none"> • A modern and easy-to-use controller with button control • Support for 2 heating circuits as standard • Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function • Support for an additional heat source • The ability to control the boiler remotely (requires an additional WiFi module - Solato) • Possibility of cooperation with any room thermostat normally open-break (e.g. Auraton) 	PLUM ecoMAX 860P <ul style="list-style-type: none"> • A modern and easy-to-use controller with button and knob control • Support for the 1st heating circuit with the possibility of extension to a maximum of 5 • Buffer tank service • Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function • Fuel level indications in the container (on the controller / on the room thermostat) • Support for an additional heat source • Possibility of cooperation with a decoated PLUM room thermostat or any room thermostat with a contact / break (e.g. Auraton) • Expandable with additional modules (WiFi, lambda sensors, B / C extensions) 	PLUM ecoMAX 860P TOUCH <ul style="list-style-type: none"> • A modern controller with intuitive control via a large, color touch screen • Support for the 1st heating circuit with the possibility of extension to a maximum of 5 • Buffer tank service • Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function • Fuel level indications in the container (on the controller / on the room thermostat) • Support for an additional heat source • Possibility of cooperation with a decoated PLUM room thermostat or any room thermostat with a contact / break (e.g. Auraton) • Expandable with additional modules (WiFi, lambda sensors, B / C extensions)



Possible to remote controll via WiFi !

This functionality is available for Klimosz KOMFORT and PLUM controllers - requires an optional WiFi module.

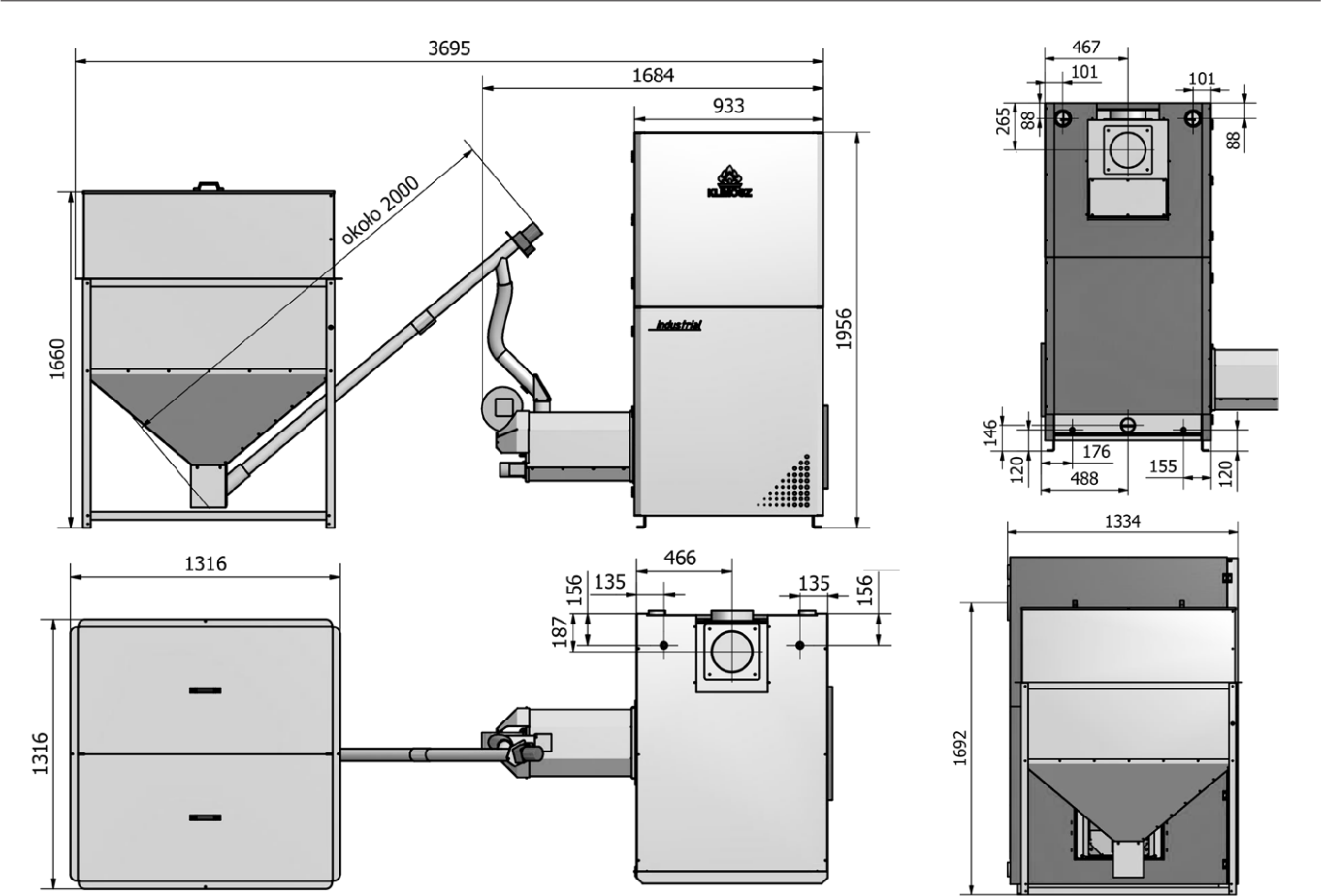
Technical data :

	DUO INDUSTRIAL NG 150 with pellet burner
Ecodesign compliance (EU Commission Regulation 2015/1189)	✓
Basic fuel	wood pellets, granulation 6mm (in accordance with PN-EN 303-5: 2012 - type C)
Efficiency [%]	92
Power regulation range [kW]	35 - 150
Fuel tank [dm ³]	1700
Water volume [dm ³]	360
Recommended chimney draft [Pa]	10 - 30
Weight [kg]	1575
Notes on the installation and operation of the boiler	Before assembly / installation / use, read the technical documentation of the boiler

Connections :

	DUO INDUSTRIAL NG 150 with pellet burner
Boiler connection diameters [Inch]	2 GW
Boiler connection location	C. O. return and flow - at the back of the boiler
Smoke flue	universal vertical / horizontal, with the possibility of changing the outlet depending on the needs by changing the places of the plug with the flue
Flue diameter [mm]	195
Height to the axis of the flue [mm]	1692
Boiler height with open hopper flap [mm]	1560

Dimensions :



DUO INDUSTRIAL NG

with retort burner



Version: 149kW.

The DUO INDUSTRIAL NG series boilers are characterized by a proven and reliable design based on the well-known and valued Klimosz / Ling DUO model, offered for many years and proven in several thousand boiler houses. The high-efficiency exchanger is made of the highest quality P265GH boiler steel and an exceptionally large heat exchange surface of the exchanger - which guarantees very high real efficiency of the boiler and minimal fuel consumption. The DUO INDUSTRIAL NG series is equipped with a retort burner, and the basic fuel is eco-pea coal - all models of this series are Ecodesign-compliant.

ecodesign

Ecological source of heat

The DUO INDUSTRIAL NG series is a new generation of environmentally friendly boilers with significantly lower emissions and lower fuel consumption than boilers of previous generations.

HIGH EFFICIENCY LOW FUEL CONSUMPTION

High heat recovery efficiency

Our boilers have an exceptionally large active surface of the exchanger, which translates into a high level of heat recovery from the flue gas stream and low fuel consumption - making the operation of this series of boilers extremely economical.



Ceramic deflector

Placed above the burner, it heats up to temperatures over 1000°C, acting as a catalyst for exhaust gases, significantly reducing the emission of by-products of the oxides and dust combustion process. At the same time, it increases the efficiency of the boiler and reduces fuel consumption.



Remote boiler control (option)

For investors who particularly appreciate the comfort of operation, we offer the option of retrofitting the boiler with an optional WiFi module, which allows remote control of the boiler along with the preview of the installation's operation and its status from anywhere using a smartphone (Klimosz application for iOS and Android) or via a web browser.

P265GH

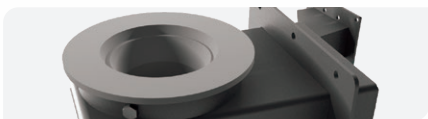
Certified boiler steel

Boilers in this series are distinguished by a steel exchanger made of the highest quality P265GH boiler steel with a wall thickness of 6mm.



Fire tube exchanger

This easy-to-clean type of exchanger in combination with an exceptionally large heat recovery area from the flue gases makes Klimosz boilers characterized by an exceptionally high real value of thermal efficiency with minimal fuel consumption.



Reliable retort burner

It is a durable and proven for years our proprietary design, specially designed for the most effective combustion of eco-pea coal with very high efficiency. The retort elbow and the grate are made of cast iron.

5-year WARRANTY

Klimosz guarantee

The highest quality materials and workmanship make us provide a full 5-year warranty on the tightness of the exchanger. Details of the warranty conditions are available in the boiler operation and maintenance manual.



Available with a variety of drivers

Klimosz boilers are equipped with modern controllers that differ in functionality. PLUM controllers, for example, can be expanded with additional modules, while Klimosz KOMFORT controllers can be, among others, equip with a WiFi module to control the boiler remotely.



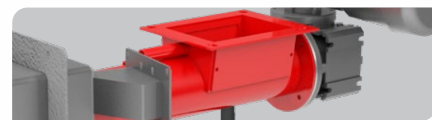
Safety and ease of use

The container has a convenient closing system and an air actuator. The rubber seal is placed in the upper flap, which significantly extends its life and ensures full tightness.



Reliability and safety

The boiler has several independent solutions ensuring reliable and safe use of the boiler, such as boiler temperature sensor, feeder pipe temperature sensor (when heat is detected in the feeder pipe, it pushes the fuel in emergency and turns off the fan) and the optional STS safety valve (see the list of accessories).



Guarantee of the highest quality

The selection of each part of the boiler is the result of our many years of experience. We use only the highest quality, proven components to guarantee full reliability. Our products undergo many months of series of tests before implementation, and each boiler is subjected to detailed quality control documented by photos and confirmed by a quality protocol.

Available versions :



NG 980

- Protective front door
- Fuel storage 980L

DUO INDUSTRIAL NG features :



Universal flue outlet

This solution, patented by Klimosz, enables easy and comfortable connection of the boiler to each chimney using the minimum length of the flue pipes, which reduces the cost of connection and eliminates the need for any modifications.



Double connection nozzles

The removal of stub pipes on both sides of the boiler greatly facilitates the assembly and its convenient routing in the boiler room and reduces its cost by minimizing pipe sections and the number of fittings.



Protective front door

They have an additional insulating layer inside, which reduces heat loss and increases the thermal efficiency of the boiler.

Available boiler controllers :



Klimosz Komfort RT-16

- A modern and easy-to-use controller with button control
- Support for 2 heating circuits as standard
- Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function
- Support for an additional heat source
- The ability to control the boiler remotely (requires an additional WiFi module)
- Possibility of cooperation with any room thermostat normally open-break (e.g. Auraton)



Plum ecoMAX 800R3

- A modern and easy-to-use controller with button control
- Support for the 1st heating circuit (expandable to a maximum of 5)
- Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function
- Built-in temperature reduction function (night / day)
- Fuel level indications in the container (on the controller / on the room thermostat)
- Support for an additional heat source
- Possibility of cooperation with a dedicated Plum room thermostat or any room thermostat with a contact / break (e.g. Auraton)
- Possibility of extension by modules: module B (support for 2 heating circuits and buffer) and: module C (support for additional 2 heating circuits)



Possible to remote control via WiFi !

This functionality is available for Klimosz KOMFORT and PLUM controllers - requires an optional WiFi module.

Delivery range :

- Complete boiler with a highly efficient steel tube heat exchanger, ceramic elements, a feeding system and a retort burner
- Boiler electronic controller - depending on the selected version
- 980L fuel storage
- Protective front door with an additional layer of insulation
- Ashpan
- Cleaning kit

Optional equipment :

4-way valve ESBE 2"	<div>K</div> <div>P</div>	Room thermostat AURATON TUCANA (wired)	<div>K</div> <div>P</div>
Actuator for 4-way valve ESBE ARA661	<div>K</div> <div>P</div>	Room thermostat AURATON TUCANA SET (wireless)	<div>K</div> <div>P</div>
Safety valve DBV-1	-	Room thermostat ecoSTER 200 (wired)	<div>P</div>
WiFi module Klimosz KOMFORT (Solato)	<div>K</div>	Room thermostat ecoSTER-TOUCH (wired, touch display)	<div>P</div>
Extension module B / Extension module C	<div>P</div>		

K

 - Compatible with Klimosz KOMFORT

P

 - Compatible with Plum ecoMAX 800R3

Technical data :

DUO INDUSTRIAL NG 150 with retort burner	
Ecodesign compliance (EU Commission Regulation 2015/1189)	✓
ERP class	not applicable
Basic fuel	hard coal (eco-pea coal, 8-25mm, max. 30mm)
Efficiency [%]	89
Power regulation range [kW]	42 - 149
Fuel tank [dm3] - EKO / NG	980
Water volume [dm3]	360
Recommended chimney draft [Pa]	20 - 40
Weight [kg] - EKO / NG	1 520
Notes on the installation and operation of the boiler	Before assembly / installation / use, read the technical documentation of the boiler. In boilers from 50kW (inclusive) and more, the STS safety valve is required (it is then used instead of the "fireman", which occurs in boilers with a capacity of up to 49kW)

Boiler side versions :



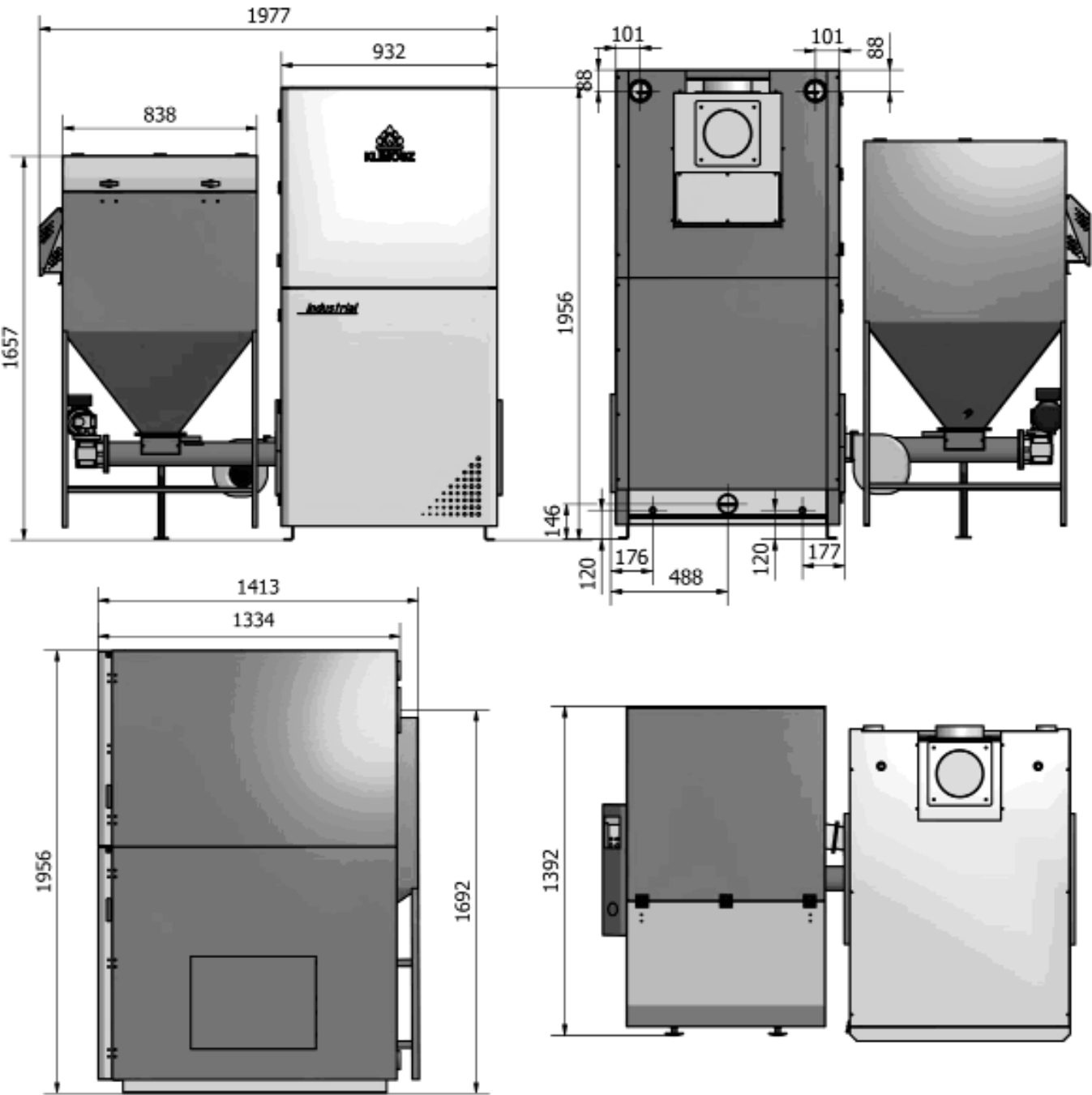
left version - burner and tank on the left



right version - burner and container on the right

Dimensions :

DUO INDUSTRIAL NG 150	
with retort burner	
Boiler connection diameters [Inch]	2 GW
Boiler connection location	C. O. return and flow - at the back of the boiler
Smoke flue	universal vertical / horizontal, with the possibility of changing the outlet depending on the needs by changing the places of the plug with the flue
Flue diameter [mm]	195
Height to the axis of the flue [mm]	1692
Boiler height with open hopper flap [mm]	2151

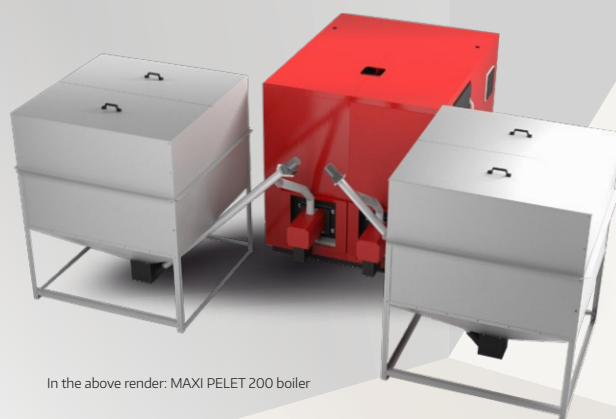


Top performance, large fuel storage, big power

MAXI with pellet burner

Version: 103/135/195kW.

MAXI is a series of high-power boilers with one (MAXI 100 and MAXI 150) or two pellet burners (MAXI 200) with an innovative low structure (the height of the boiler is about 160 cm depending on the power), made of the highest quality materials and a production process that meets the highest European quality standards. Boilers in this series are distinguished by a steel exchanger made of the highest quality boiler steel with a wall thickness of up to 8mm! The boiler, thanks to an extensive exchanger, is characterized by high heat recovery from flue gas, which translates into very high efficiency (up to 90.2%) and significant savings in fuel consumption. The MAXI series is a product that meets the most stringent requirements of emission and ecological standards - all models of this series are Ecodesign compliant.



In the above render: MAXI PELET 200 boiler

ecodesign

Ecological source of heat

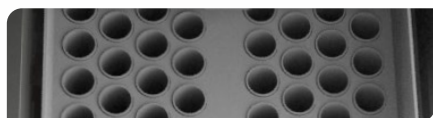
The DUO INDUSTRIAL NG series is a new generation of environmentally friendly boilers with significantly lower emissions and lower fuel consumption than boilers of previous generations.



**HIGH EFFICIENCY
LOW FUEL CONSUMPTION**

High heat recovery efficiency

Our boilers have an exceptionally large active surface of the exchanger, which translates into a high level of heat recovery from the flue gas stream and low fuel consumption - making the operation of this series of boilers extremely economical.



Fire tube exchanger

This easy-to-clean type of exchanger in combination with an exceptionally large heat recovery area from the flue gases makes Klimosz boilers characterized by an exceptionally high real value of thermal efficiency with minimal fuel consumption.

P265GH

Top quality boiler steel

Boilers in this series are distinguished by a steel exchanger made of the highest quality P265GH boiler steel with a wall thickness of 8mm.

**AUTOMATIC
IGNITION**

Automatic firing up / extinguishing

The pellet burner is characterized by the highest comfort of use - the boiler automatically fires up or goes out on the basis of the set preset temperatures. In addition, the boiler does not use a gram of fuel between work cycles, as is the case with boilers with a retort burner.

**5-year
WARRANTY**

Klimosz guarantee

The highest quality materials and workmanship make us provide a full 5-year warranty on the tightness of the exchanger. Details of the warranty conditions are available in the boiler operation and maintenance manual.



Pellet burner with cleaning system

Modern pellet burner, specially designed for the most efficient combustion of pellets (combustion efficiency up to 99%), gaining the comfort of use comparable to gas boilers. The burner has a double automatic cleaning system as standard (blowing and mechanical - with a movable burner grate).



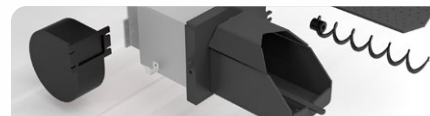
Ceramic deflector

Placed above the burner, it heats up to temperatures over 1000°C, acting as a catalyst for exhaust gases, significantly reducing the emission of by-products of the oxides and dust combustion process. At the same time, it increases the efficiency of the boiler and reduces fuel consumption.



The highest level of security

The boiler is characterized by a number of innovative solutions that affect its reliability and work safety. The pipe of the SPIRO feeder is made of a special fusible material, which is a reliable protection even in the event of a power failure! Temperature sensor inside the burner feeder pipe, which, in the event of excessive temperature detection, pushes the pellets out, preventing the heat from spreading further.



Reliability guaranteed

Each element of the boiler is the result of our many years of experience. We only use the highest-quality, proven solutions. For example, we used an igniter made of a burnout-resistant special metal alloy, which makes it much more durable than its ceramic counterparts. Our products undergo many months of series of tests before implementation, and each boiler is subjected to a detailed quality control.

LOW HEIGHT

It fits in every boiler room

The boiler has a low boiler structure with a height of about 165 cm due to the placement of the exchanger behind the combustion chamber and not above it, thanks to which, even in the case of a small height of the modernized boiler room, the MAXI series boiler will fit perfectly there.



Double connection nozzles

Removal of stub pipes on both sides facilitates and reduces the time needed for installation work and boiler connection. Thanks to the possibility of running a central heating installation, the number of needed fittings and installation materials is limited to the closer stub.

1-2x



One or two burners, pellet burners

MAXI 100/150 boilers are equipped with one burner, while MAXI 200 boilers are equipped with two pellet burners operating in sequence.

1700/3400 L

Comfortable fuel storage capacity

The large capacity of the container allows even more comfortable operation of the boiler by extending the work on one charge of the fuel container. The time of operation of the boiler on full charge varies depending on the power with which the boiler is operated, the external temperature and the capacity of the tank.



Mobile fuel storage tank

















The tank (or two in MAXI 200 boilers) can be placed on the left / right side of the boiler. The only limitation is the length of the feeding system pipe - this unique feature allows the container to be placed in almost any position in relation to the boiler.



Touch controller (optional)

Choice of: two models with buttons and the highest model with a large, color touchscreen (available only for boilers with one pellet burner). PLUM controllers can be expanded with additional modules. In addition, each controller can be equipped with a WiFi module.

Optional equipment :

 - Compatible with PLUM controllers	 - Compatible with Klimosz KOMFORT controllers
4-way valve ESBE 2"	 
Actuator for 4-way valve ESBE ARA661	 
Safety valve DBV-1	-
WiFi module PLUM (ecoNET)	
WiFi module Klimosz KOMFORT (Solato)	
Sonda lambda probe	
Extension module B / Extension module C	
Room thermostat ecoSTER 200 (wired)	
Room thermostat ecoSTER-TOUCH (wired, touch display)	
Room thermostat AURATON TUCANA (wired)	 
Room thermostat AURATON TUCANA SET (wireless)	 

Delivery range :

- A complete boiler with a highly efficient steel heat exchanger, ceramic elements, a feeding system and a pellet burner - the MAXI 200 boiler is equipped with two pellet burners
- Boiler electronic controller - depending on the selected version
- Pellet fuel storage 1700L (in MAXI 100/150) or 3400L (in MAXI 200)
- Cleaning kit

Available boiler controllers :

			
only available for single burner boilers	only available for boilers with two burners	only available for single burner boilers	only available for single burner boilers
Klimosz Komfort RT-16 <ul style="list-style-type: none"> • A modern and easy-to-use controller with button control • Support for 2 heating circuits as standard • Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function • Support for an additional heat source • The ability to control the boiler remotely (requires an additional WiFi module - Solato) • Possibility of cooperation with any room thermostat normally open-break (e.g. Auraton) 	Klimosz Komfort RT-16ip <ul style="list-style-type: none"> • A modern and easy-to-use controller with button control • Support for operation of two burners in sequential mode • Support for 4 heating circuits as standard • Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function • Support for an additional heat source • The ability to control the boiler remotely (requires an additional WiFi module - Solato) • Possibility of cooperation with any room thermostat normally open-break (e.g. Auraton) 	PLUM ecoMAX 860P <ul style="list-style-type: none"> • A modern and easy-to-use controller with button and knob control • Support for the 1st heating circuit with the possibility of extension to a maximum of 5 • Buffer tank service • Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function • Fuel level indications in the container (on the controller / on the room thermostat) • Support for an additional heat source • Possibility of cooperation with a decoated PLUM room thermostat or any room thermostat with a contact / break (e.g. Auraton) • Expandable with additional modules (WiFi, lambda sensors, B / C extensions) 	PLUM ecoMAX 860P TOUCH <ul style="list-style-type: none"> • A modern controller with intuitive control via a large, color touch screen • Support for the 1st heating circuit with the possibility of extension to a maximum of 5 • Buffer tank service • Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function • Fuel level indications in the container (on the controller / on the room thermostat) • Support for an additional heat source • Possibility of cooperation with a decoated PLUM room thermostat or any room thermostat with a contact / break (e.g. Auraton) • Expandable with additional modules (WiFi, lambda sensors, B / C extensions)

Technical data :

	MAXI 100 with pellet burner	MAXI 150 with pellet burner	MAXI 200 with two pellet burners
Ecodesign compliance (EU Commission Regulation 2015/1189)	✓	✓	✓
Basic fuel	wood pellets, granulation 6mm (in accordance with PN-EN 303-5: 2012 - type C)		
Efficiency [%]	91	92	90,5
Power regulation range [kW]	30 - 102,5	36 - 135	57 - 195
Fuel tank [dm³]	1700	1700	3400 (2x 1700)
Water volume [dm³]	450	500	650
Recommended chimney draft [Pa]	20 - 30	20 - 30	20 - 35
Weight [kg]	1160	1450	2100
Notes on the installation and operation of the boiler	Before assembly / installation / use, read the technical documentation of the boiler		

Connections :

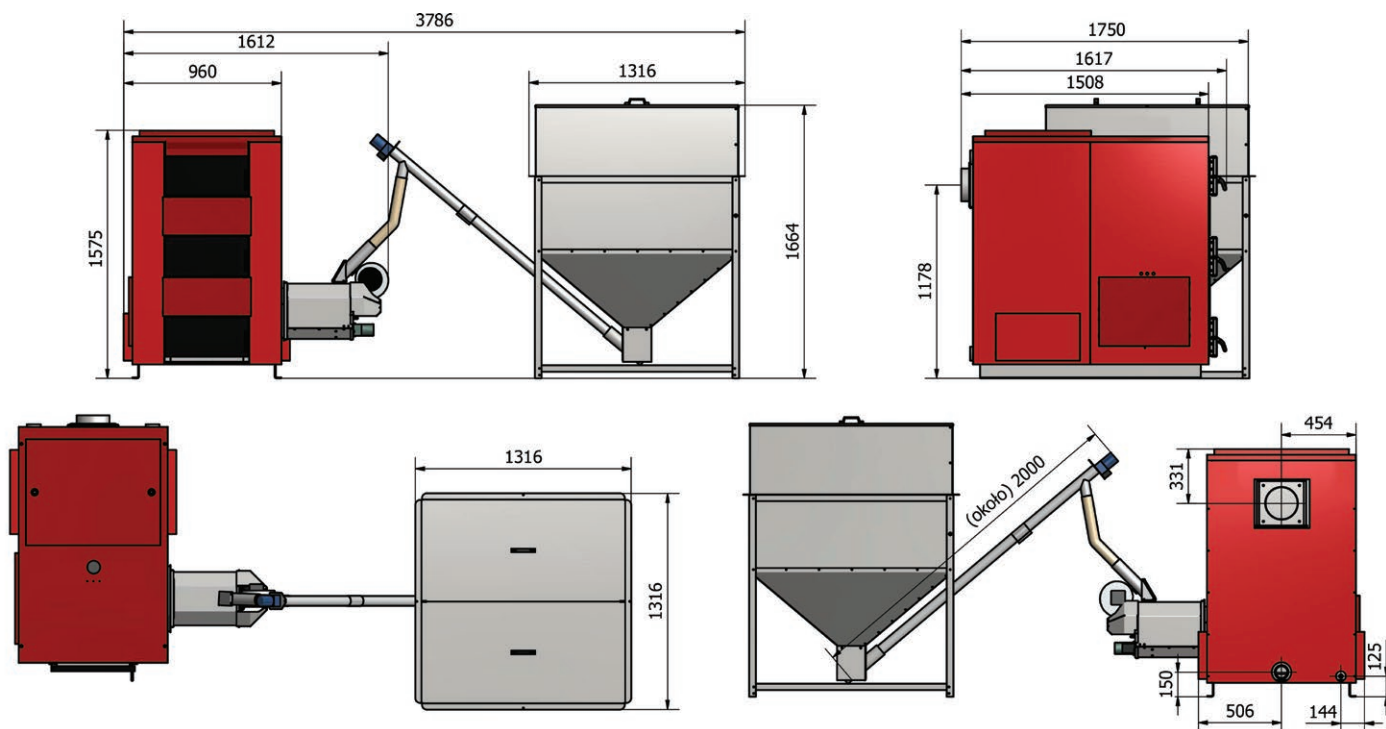
	MAXI 100 with pellet burner	MAXI 150 with pellet burner	MAXI 200 with two pellet burners
Nipple diameters [Inch]	2 GW	2 GW	2 GW
Flue diameter [mm]	195	195	195
Height to the axis of the flue [mm]	1178	1178	1142
Boiler height with open hopper flap [mm]	1664	1664	1664



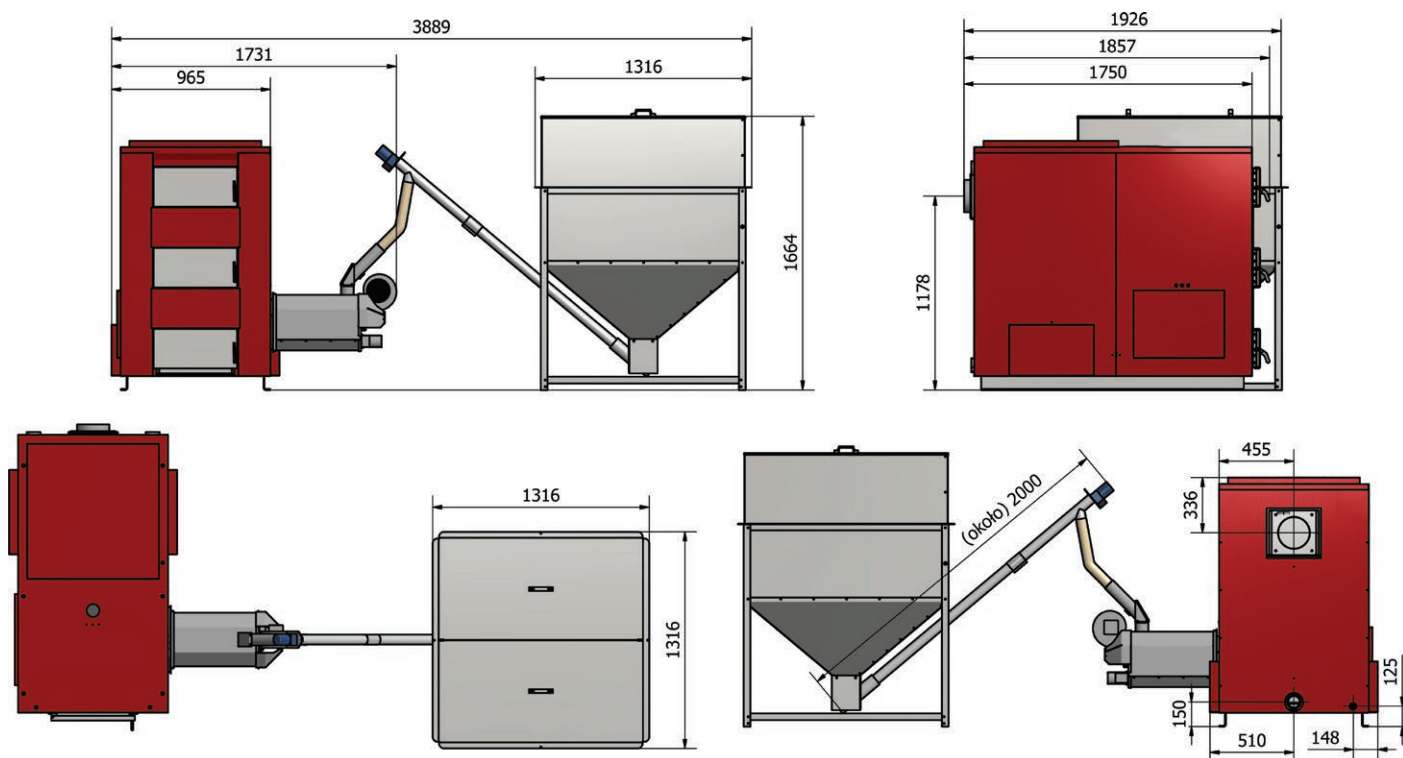
Possible to remote control via WiFi !

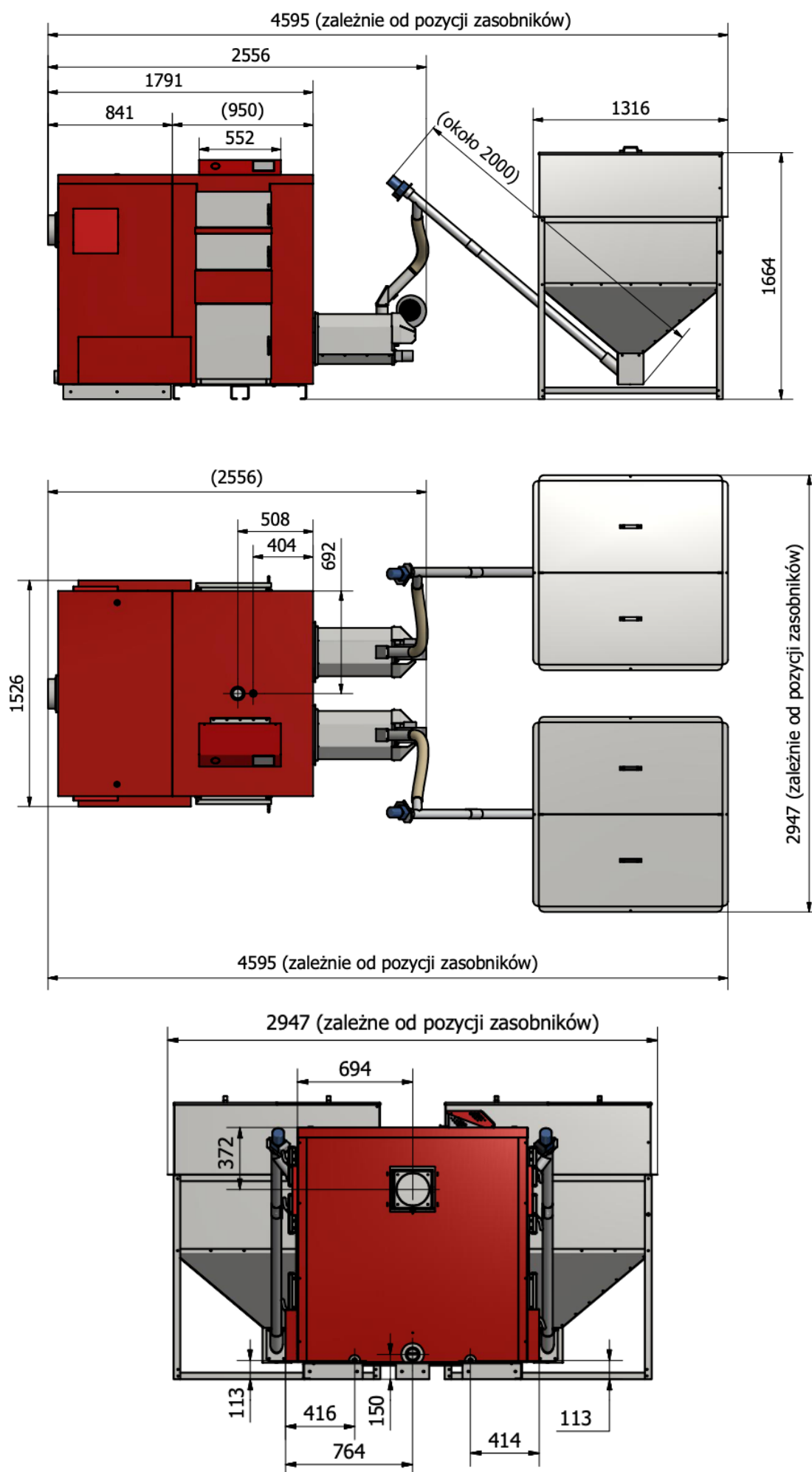
This functionality is available for Klimosz KOMFORT and PLUM controllers - requires an optional WiFi module.

Dimensions - MAXI 100 with a pellet burner:

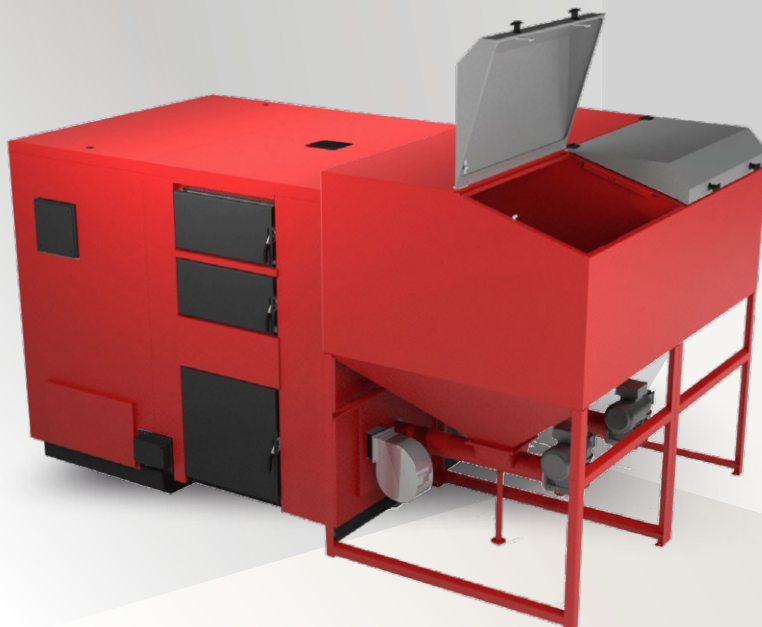


Dimensions - MAXI 150 with a pellet burner:





MAXI



In the above render, the MAXI 200 boiler

Version: 104/142/203kW.

MAXI is a series of high-power boilers with one (MAXI 100 and MAXI 150) or two retort burners (MAXI 200) with an innovative low structure (the height of the boiler is about 160 cm depending on the power), made of the highest quality materials and a production process that meets the highest European quality standards. Boilers in this series are distinguished by a steel exchanger made of the highest quality boiler steel with a wall thickness of up to 8mm! The boiler, thanks to an extensive exchanger, is characterized by high heat recovery from flue gas, which translates into very high efficiency (up to 90.2%) and significant savings in fuel consumption. The MAXI series is a product that meets the most stringent requirements of emission and ecological standards - all models of this series are Ecodesign compliant.

ecodesign

Ecological source of heat

The MAXI series is a new generation of environmentally friendly boilers with significantly lower emissions and lower fuel consumption than boilers of previous generations.

P265GH

Certified boiler steel

Boilers in this series are distinguished by a steel exchanger made of the highest quality P265GH boiler steel with a wall thickness of 8mm.

5-year WARRANTY

Klimosz guarantee

The highest quality materials and workmanship make us provide a full 5-year warranty on the tightness of the exchanger. Details of the warranty conditions are available in the boiler operation and maintenance manual.

HIGH EFFICIENCY LOW FUEL CONSUMPTION

High heat recovery efficiency

Our boilers have an exceptionally large active surface of the exchanger, which translates into a high level of heat recovery from the flue gas stream and low fuel consumption - making the operation of this series of boilers extremely economical.



Fire tube exchanger

This easy-to-clean type of exchanger in combination with an exceptionally large heat recovery area from the flue gases makes Klimosz boilers characterized by an exceptionally high real value of thermal efficiency with minimal fuel consumption.

up to 20.2m² IN MAXI 200

Large heat exchange surface

Our boilers have one of the highest exchanger surfaces on the market, which translates into high heat recovery from the flue gas stream and much lower fuel consumption - making the operation of this series of boilers extremely economical.



Ceramic deflector

Placed above the burner, it heats up to temperatures over 1000°C, acting as a catalyst for exhaust gases, significantly reducing the emission of by-products of the oxides and dust combustion process. At the same time, it increases the efficiency of the boiler and reduces fuel consumption.



Safety and ease of use

The container has a convenient closing system and an air actuator. The rubber seal is placed in the upper flap, which significantly extends its life and ensures full tightness.



Available with a variety of drivers

Klimosz boilers are equipped with modern controllers that differ in functionality. PLUM controllers, for example, can be expanded with additional modules, while Klimosz KOMFORT controllers can be, among others, equip with a WiFi module to control the boiler remotely.



Remote boiler control (option)

For investors who particularly appreciate the comfort of operation, we offer the option of retrofitting the boiler with an optional WiFi module, which allows remote control of the boiler along with the preview of the installation's operation and its status from anywhere using a smartphone (Klimosz application for iOS and Android) or via a web browser.



Reliability and safety

The boiler has several independent solutions ensuring reliable and safe use of the boiler, such as boiler temperature sensor, feeder pipe temperature sensor (when heat is detected in the feeder pipe, it pushes the fuel in emergency and turns off the fan) and the optional STS safety valve (see the list of accessories).



Guarantee of the highest quality

The selection of each part of the boiler is the result of our many years of experience. We use only the highest quality, proven components to guarantee full reliability. Our products undergo many months of series of tests before implementation, and each boiler is subjected to detailed quality control documented by photos and confirmed by a quality protocol.

Features of the MAXI series boilers:

LOW HEIGHT

It fits in every boiler room

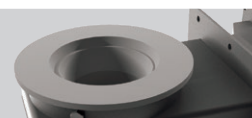
The boiler has a low boiler structure with a height of about 165 cm due to the placement of the exchanger behind the combustion chamber and not above it, thanks to which, even in the case of a small height of the modernized boiler room, the MAXI series boiler will fit perfectly there.



Double connection nozzles

Removal of stub pipes on both sides facilitates and reduces the time needed for installation work and boiler connection. Thanks to the possibility of running a central heating installation, the number of needed fittings and installation materials is limited to the closer stub.

1-2x



One or two burners. Retort burners

MAXI 100/150 boilers are equipped with one burner, while MAXI 200 boilers are equipped with two retort burners operating in sequential mode.

Available boiler controllers :



only available for single burner boilers

Klimosz Komfort RT-16

- A modern and easy-to-use controller with button control
- Support for 2 heating circuits as standard
- Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function
- Support for an additional heat source
- The ability to control the boiler remotely (requires an additional WiFi module)
- Possibility of cooperation with any room thermostat normally open-break (e.g. Auraton)



only available for single burner boilers

Plum ecoMAX 800R3

- A modern and easy-to-use controller with button control
- Support for the 1st heating circuit (expandable to a maximum of 5)
- Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function
- Built-in temperature reduction function (night / day)
- Fuel level indications in the container (on the controller / on the room thermostat)
- Support for an additional heat source
- Possibility of cooperation with a dedicated Plum room thermostat or any room thermostat with a contact / break (e.g. Auraton)
- Possibility of extension by modules: module B (support for 2 heating circuits and buffer) and: module C (support for additional 2 heating circuits)



only available for boilers with two burners

Klimosz Komfort RT-16i

- A modern and easy-to-use controller with button control
- Support for operation of two burners in sequential mode
- Support for 4 heating circuits as standard
- Operation of the DHW tank / DHW pump / circulation pump / anti-legionella function
- Support for an additional heat source
- The ability to control the boiler remotely (requires an additional WiFi module - Solato)
- Possibility of cooperation with any room thermostat normally open-break (e.g. Auraton)





Possible to remote controll via WiFi !

This functionality is available for Klimosz KOMFORT - requires an optional WiFi module.

Delivery range :

- A complete boiler with a highly efficient steel tube heat exchanger, ceramic elements, a feeding system and a retort burner - the MAXI 200 boiler is equipped with two retort burners
- Electronic boiler controller - depending on the selected version
- Fuel storage - depending on the boiler model
- Cleaning kit

Optional equipment :

4-way valve ESBE 2"	 	Room thermostat AURATON TUCANA (wired)	 
Actuator for 4-way valve ESBE ARA661	 	Room thermostat AURATON TUCANA SET (wireless)	 
Safety valve DBV-1	-	Room thermostat ecoSTER 200 (wired)	
WiFi module Klimosz KOMFORT (Solato)		Room thermostat ecoSTER-TOUCH (wired, touch display)	
Extension module B / Extension module C			

 - Compatible with KOMFORT  - Compatible with ecoMAX 800R3

Technical data :

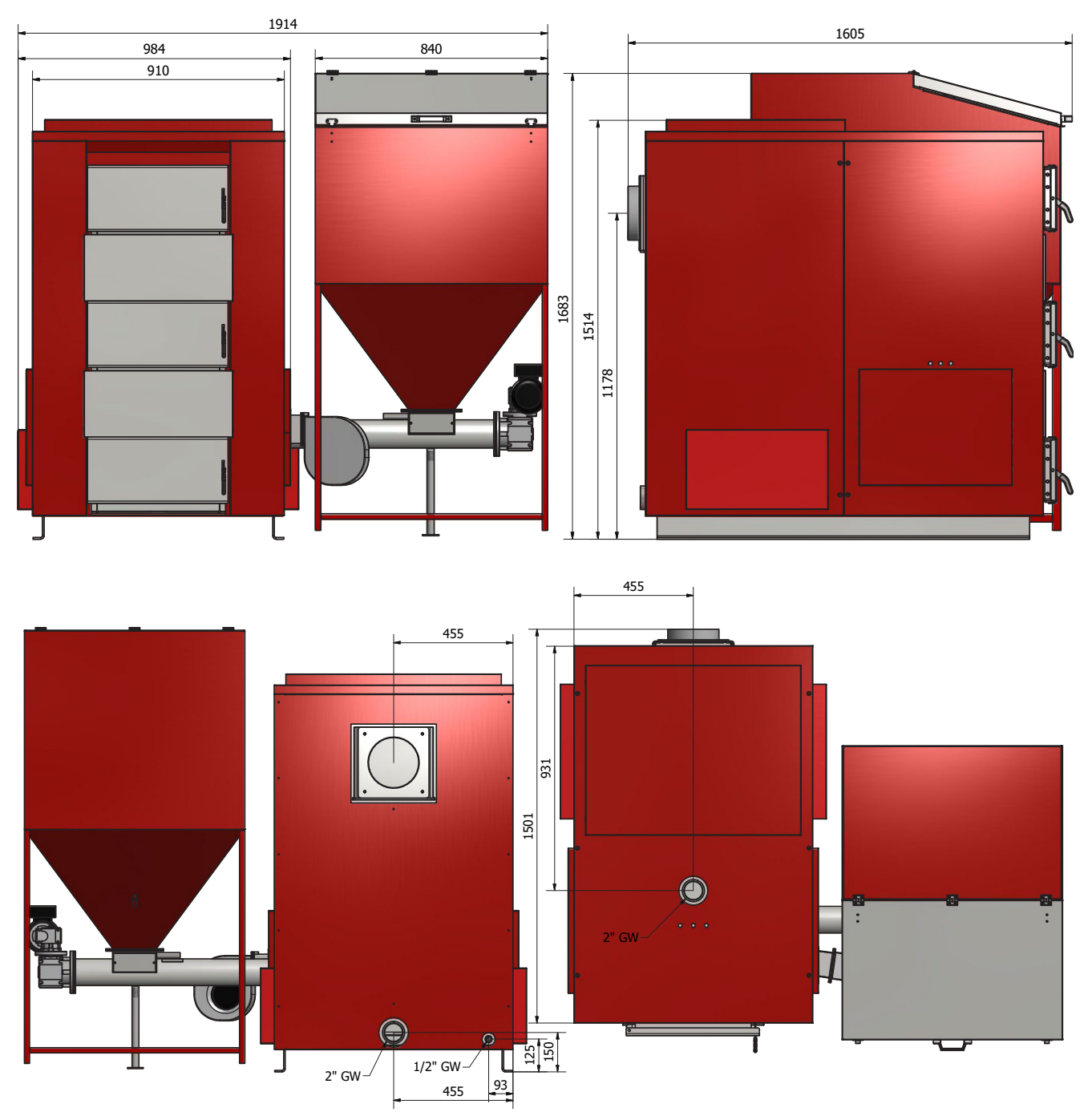
	MAXI 100 with retort burner	MAXI 150 with retort burner	MAXI 200 with two retort burners
Ecodesign compliance (EU Commission Regulation 2015/1189)	✓	✓	✓
Basic fuel	hard coal of the sort. eco-pea coal - granulation 8-25mm, (in accordance with the PN-EN 303-5: 2012 standard)		
Efficiency [%]	89	89	91,2
Power regulation range [kW]	29,6 - 103,8	38 - 142	58,8 - 203
Fuel tank [dm ³]	780	940	1440 (2x720)
Water volume [dm ³]	450	500	650
Recommended chimney draft [Pa]	20 - 30	20 - 30	20 - 35
Weight [kg]	1160	1450	2100
Notes on the installation and operation of the boiler	In boilers from 50kW (inclusive) and more, the STS safety valve is required (it is then used instead of the "fireman", which occurs in boilers up to 49kW). Before assembly / installation / use, read the technical documentation of the boiler.		

	MAXI 100 with pellet burner	MAXI 150 with pellet burner	MAXI 200 with two pellet burners
Nipple diameters [Inch]	2 GW	2 GW	2 GW
Flue diameter [mm]	195	195	195
Height to the axis of the flue [mm]	1178	1178	1142
Boiler height with open hopper flap [mm]	1664	1664	1664

Connections :

	MAXI 100 with retort burner	MAXI 150 with retort burner	MAXI 200 with two retort burners
Boiler connection diameters [Inch]	2 GW	2 GW	2 GW
Flue diameter [mm]	195	195	195
Height to the axis of the flue [mm]	1180	1180	1142
Boiler height with open fuel storage flap [mm]	2171	2159	2161

Dimensions - MAXI 100





BOILERS WITH MANUAL LOADING





Klimosz WALLY HOLZ
wood gasification boiler for wood only



Klimosz WALLY S
solid fuel manual loading boiler for coal/wood

* - Ecodesign and 5-class only in WALLY HOLZ



KLIMOSZ WALLY HOLZ is a semi-automatic wood gasification boiler. It provides one of the cheapest forms of heating available on the market with current fuel prices. Thanks to the special construction of the exchanger lined with shaped ceramic and modern control of the combustion process, a high efficiency of ~90% was achieved. The result is extremely clean flue gas and a clean combustion process, thanks to which this type of boiler fulfills the highest European and national standards and ecological standards like Ecodesign (only model 25kW) and "5-class" (all range).



Klimosz WALLY HOLZ boiler is environmentally friendly - for an ecological and renewable fuel which is wood, which maintains a zero CO₂ balance - the growing tree absorbs as much carbon dioxide as generated during combustion, and its ash is only a few kilos of 1 ton, which you can use it as a natural bio-fertilizer in the garden.

3 year
WARRANTY

Klimosz WALLY HOLZ was made of the highest quality materials and components, thanks to which we provide a 3-year warranty. This type of boiler, due to its specificity of the combustion process, requires assembly together with a selected buffer tank and charging system.

up to **8mm**

EXCHANGER
THICKNESS

Klimosz WALLY HOLZ was made of the highest quality P265GH boiler steel with increased temperature resistance and increased plasticity. The wall thickness of the internal sheet is as much as 8mm, which proves the exceptional durability and quality offered by Klimosz.

SPACIOUS
COMBUSTION
CHAMBER

The boiler has an extremely large combustion chamber with a volume of 120L and the possibility of inserting wood logs with a length of up to 50cm and a large loading bore with dimensions up to: 260 x 432mm. All this allows for an extremely long work on one charge of fuel - up to 12 hours.

PROVEN
TUBE EXCHANGER
CLEANING SYSTEM

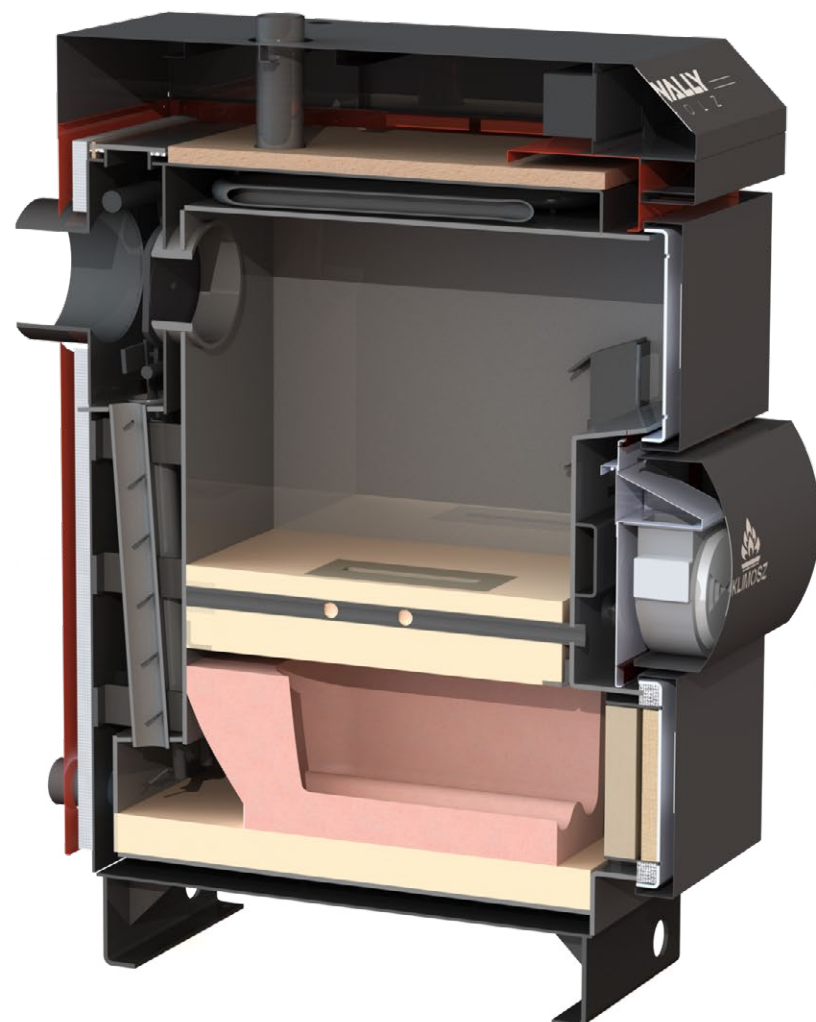
In the fire tube exchanger, a reliable and simple cleaning system was used - these are special spiral elements, connected by ties and a lever, which, by moving, can be easily and quickly cleaned exchanger to ensure optimal efficiency and cleanliness of the exchanger.

SMALL
DIMENSIONS

The boiler is of a size comparable to a standard boiler, a small height and dimensions make the boiler fit into both the modernized boiler room and new buildings.



The boiler is characterized by reliability and safety: as a standard it is equipped with a cooling coil protecting the boiler from overheating, the "unscrew and press" handles have been specially designed to ensure adequate tightness. The boiler has been equipped with a number of temperature sensors and modern control automatics, in addition, the boiler has a thermal switch - it will turn itself off after burning wood in the combustion chamber.



Primary fuel: wood (humidity max. 20%)

Equipment :	WALLY HOLZ 18kW	WALLY HOLZ 25kW	WALLY HOLZ 40kW	WALLY HOLZ 60kW	WALLY HOLZ 80kW	WALLY HOLZ 96kW	WALLY HOLZ 130kW
Mechanical cleaning system of the tube exchanger				✓			
EKOSTER 2 boiler controller				✓			
Built-in cooling coil				✓			
Buffer tank KLIMOSZ TANK (capacities: 800L / 1000L / 1500L / 2000L)	SPECIAL OFFER - BUY IN SET WITH KLIMOSZ TANK BUFFER TANK! Ask your export manager for this special offer						
Buffer tank charging set: LADDOMAT 21-60	OPTION						

Compliance with ecological standards :	WALLY HOLZ 18kW	WALLY HOLZ 25kW	WALLY HOLZ 40kW	WALLY HOLZ 60kW	WALLY HOLZ 80kW	WALLY HOLZ 96kW	WALLY HOLZ 130kW
Boiler class in accordance with EN 303-5: 2012 norm	5-class	5-class	5-class	5-class	5-class	5-class	5-class
EcoDesign (EU 2015/1198)	-	✓	-	-	-	-	-
Energy efficiency class ErP	A+	A+	A+	A+	A+	A+	A+

Technical data :		WALLY HOLZ 18kW	WALLY HOLZ 25kW	WALLY HOLZ 40kW	WALLY HOLZ 60kW	WALLY HOLZ 80kW	WALLY HOLZ 96kW	WALLY HOLZ 130kW
Recommended buffer tank capacity	L	800 - 1500	1000 - 2000	2000 - 3000	3000 - 4000	4000 - 5000	4500 - 6000	6500 - 7500
Heating surface (estimated value for q = 70 W / m2)	m2	up to 180	up to 250	up to 400	We recommend selecting the boiler power for the building on the basis of the building's heat demand calculations			
Efficiency	%	91						
Rated power	kW	18	25	40	60	80	96	130
Flue gas temperature at nominal power	°C	160						
Water volume	dm³	75	75	93	180	205	340	380
Recommened chimney draught	Pa	10 - 15						
Maximum water working pressure	bar	3						

Dimensions / weight :		WALLY HOLZ 18kW	WALLY HOLZ 25kW	WALLY HOLZ 40kW	WALLY HOLZ 60kW	WALLY HOLZ 80kW	WALLY HOLZ 96kW	WALLY HOLZ 130kW
Height	mm	1315	1315	1575	1555	1555	1845	1845
Depth	mm	1060	1060	1040	1360	1720	1804	1880
Width	mm	670	670	670	810	810	872	872
Height to the chimney output	mm	960	960	1210	1160	1170	1441	1441
Loading hole dimensions	mm	260 x 432	260 x 432	260 x 432	285 x 580	285 x 580	285 x 580	285 x 580
Boiler connection: power supply and return	cal	2						
Boiler connection: diameter of the coils of the cooling coil	cal	3/4						
Weight	kg	546	546	634	1037	1242	1385	1550

HOW DOES THE WOOD GAS BOILER WORK?

The KLIMOSZ WALLY HOLZ boiler provides one of the cheapest forms of heating available on the market at current fuel prices (up to 4 times cheaper than eco-pea) due to the use of cheap and widely available basic fuel such as firewood. Wood, which is very important, must be dry - that is, subjected to seasoning, in order to obtain maximum humidity of 20% (ie about 2 years of seasoning).

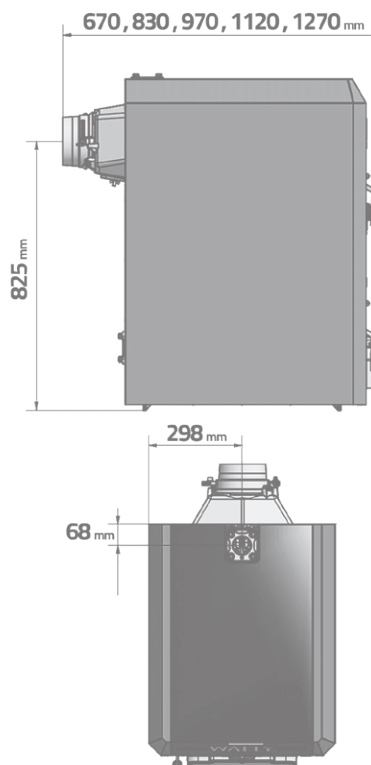
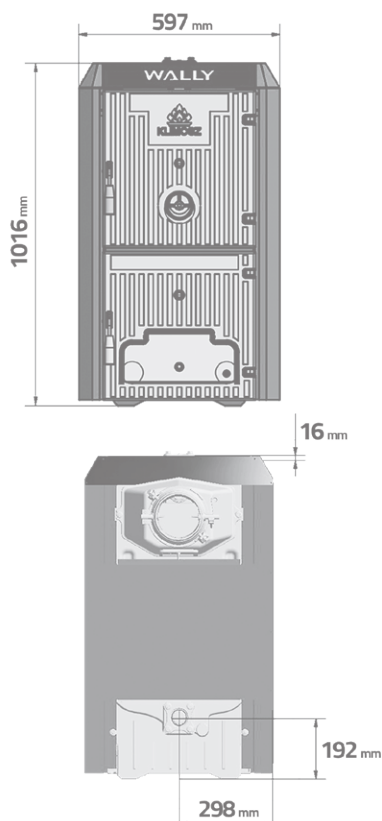
Thanks to the special design of the exchanger lined with specially shaped ceramic, exhaust fan and modern control of the combustion process, a high efficiency of ~ 90% was achieved. The result is extremely clean flue gas and a clean combustion process, thanks to which this type of boiler fulfills the highest European and national standards and ecological standards like Ecodesign (model 25kW only) and "5-class" (all range).

Wood burning takes place in two stages in a process called wood gasification (so-called reverse combustion). First, the boiler degasses and burns wood gas (which accounts for up to 80% of the wood content) during the pyrolysis process. Then, the actual combustion takes place - the resulting charcoal due to degassing.

To ensure the proper course of the combustion process and trouble-free operation of the boiler, it is required to ensure continuous heat collection by using a buffer tank with a minimum capacity of 55L / 1kW of the boiler together with a LADDOMAT type charging system. The minimum capacity of buffer tanks is described in technical documentation table above.



- **Cast iron heat exchanger of the highest quality Italian cast-iron!**
- **Estimated life of up to 25 years!**
- **10-year warranty for cast-iron exchanger.**
- **Boiler wall thickness up to 12mm.**
- **34% greater reliability**, heat output and heat exchange, while at the same time higher performance per article than in competition.
- **The largest boiler fill hole contains one of the largest fill holes in the 40x36cm market** (up to 53% larger than the competition) to burn larger pieces of wood.
- **Top quality performance!** The high quality is also proven by precision door handle for safe and comfortable operation even after many years of use. Soft door seal provides excellent tightness (prevents the release of smoke from the boiler), door insulation is made of durable material (vermiculite), reducing heat losses to the environment and massive curtains provide sufficient durability against the fall of the door after several years of use.
- **Insulation** - reduces heat losses to the environment from the renowned ROCKWOOL manufacturer.
- **Secondary air intake** suitable especially for method called: "upper combustion".
- **Small boiler dimensions** allow installation in small boiler rooms.
- **Easy installation** thanks to the 2" threaded flange at the top of the boiler.

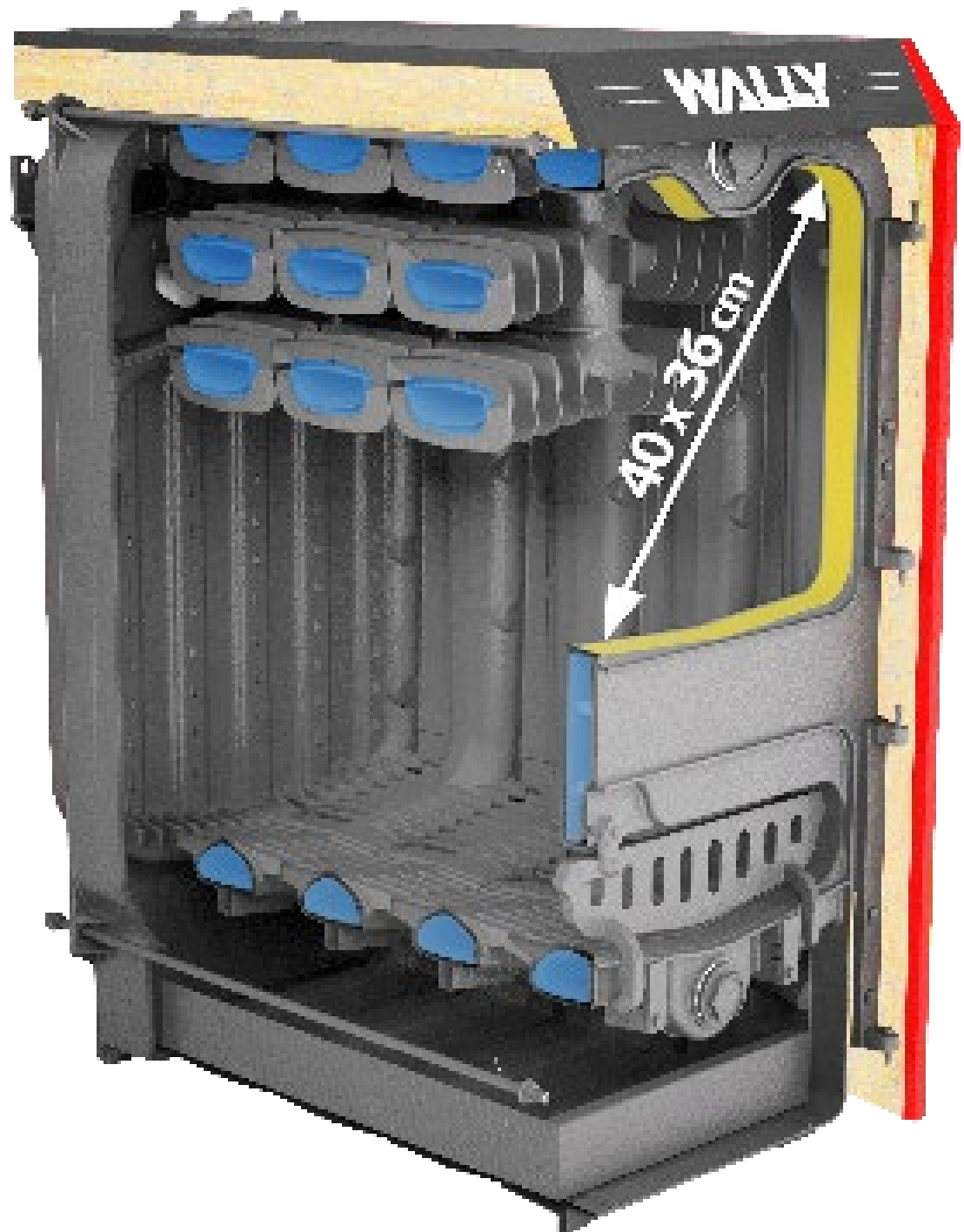


Standard accessories:

- removable ashtray
- thermometer
- safety valve
- drain valve
- cleaning kit: brush + poker

Additional, optional equipment:

- Air intake regulator
- Controller KLIMOSZ PID + DM85 fan
- Controller ST-24 + DM85 fan
- Controller ST-28 + DM85 fan



	Wally 23	Wally 34	Wally 45	Wally 56	Wally 67
Dedicated fuel: <i>coal</i>	23 kW	34 kW	45 kW	56 kW	67 kW
Secondary fuel: <i>wood</i>	17 kW	25 kW	34 kW	42 kW	49 kW
Efficiency	~ 80 %	~ 80 %	~ 80 %	~ 80 %	~ 80 %
Max. possible wood lenght	260 mm	410 mm	560 mm	710 mm	860 mm
Fumes temperature	100 ÷ 300 °C	100 ÷ 300 °C	100 ÷ 300 °C	100 ÷ 300 °C	100 ÷ 300 °C
Water volume	30 dm ³	39 dm ³	48 dm ³	57 dm ³	66 dm ³
Diameter of fumes outlet	147 mm	147 mm	147 mm	147 mm	147 mm
Recommended chimney draught	8 Pa	10 Pa	12 Pa	13 Pa	15 Pa
Max. water working pressure	4 bar	4 bar	4 bar	4 bar	4 bar
Possibility to install in closed circuit	Yes	Yes	Yes	Yes	Yes
Connections diameter: inlet/outlet	2"	2"	2"	2"	2"
Weight	226 kg	288 kg	350 kg	412 kg	474 kg
Energy efficiency class	C	C	C	C	C
Width	597 mm	597 mm	597 mm	597 mm	597 mm
Height	1016 mm	1016 mm	1016 mm	1016 mm	1016 mm
Depth	670 mm	830 mm	970 mm	1120 mm	1270 mm
Height of fumes outlet	825 mm	825 mm	825 mm	825 mm	825 mm

ecodesign

Compliant with ecological standards

The IRON X series is a new generation of environmentally friendly boilers with a much lower emission of pollutants and lower fuel consumption than boilers of previous generations. Each boiler in this series is Ecodesign and 5-class certified.

LARGE LOADING OPENING

Large loading opening

The capacious loading chamber ensures longer combustion of the boiler on one charge, and thus - less frequent visits to the boiler room to refill the fuel.

BOILER STEEL

Certified boiler steel

Klimosz IRON X is made of the highest quality boiler steel with increased resistance to temperature and increased plasticity.

3-YEAR WARRANTY

Klimosz guarantee

The highest quality materials and workmanship allow us to provide our boilers with a full 3-year warranty on the tightness of the exchanger. Details of the warranty conditions are available in the boiler operation and maintenance manual.

HIGH QUALITY AT AN AFFORDABLE PRICE

Very good quality / price ratio!

Choose an ecological and economical boiler made of the best materials and compliant with all the most stringent ecological standards at an affordable price.

POSSIBILITY TO WORK WITHOUT ELECTRICITY

Heating independent of electricity supply

In the case of installation in the gravity-open system (without the central heating pump) and the optional draft regulator, the boiler can be used without the need for electricity.

LOW FUEL CONSUMPTION

Up to 30% less fuel consumption!

A special feature of the boiler is the high heat recovery from flue gas, which means that the boiler consumes up to 30% less fuel compared to other, less efficient boilers of previous generations.



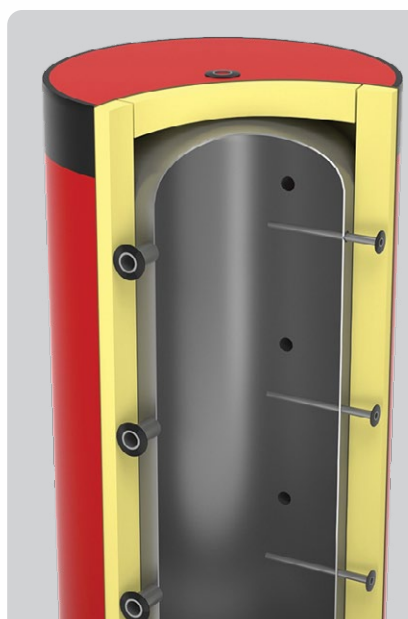
Comfortable door at an optimal angle

The use of the door at an angle allows more comfortable operation of the boiler and better access for adding fuel or cleaning.

CERAMIC INSIDE

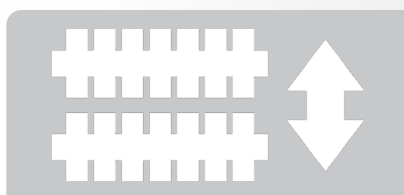
Ceramics that burns exhaust fumes

Special ceramic plates act as a catalyst for the exhaust gases, and due to their special arrangement they extend the path of the exhaust gas flow in the exchanger, which increases the efficiency of the boiler.



Maximum comfort with a buffer tank

The Klimosz company recommends the installation of charging boilers with Klimosz TANK buffer tanks and a system enabling stratified loading. This solution ensures the receipt of the full power of the boiler, making its operation as comfortable as possible with minimal fuel consumption.



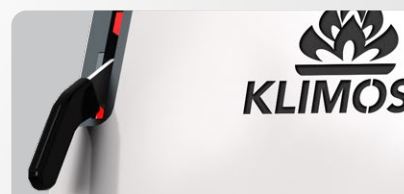
Movable cast iron grate

A lever connected to the movable grate enables easy re-scaffolding. Thanks to the simple and proven design, the entire mechanism is reliable. Periodic re-scaffolding causes the ash to fall to the bottom of the boiler and ensures better aeration of the fuel.



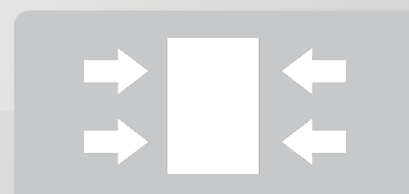
Easy ignition system

The boiler has a short flue gas circuit - which greatly facilitates and accelerates the ignition. After lighting the lever, switch back to the long exhaust cycle, which ensures maximum heat recovery from the exhaust gases.



The guarantee of the highest quality

The selection of each part of the boiler is the result of our many years of experience. We only use the highest-quality, proven components to guarantee complete reliability. Our products undergo a series of tests before implementation, and each boiler is thoroughly quality controlled.



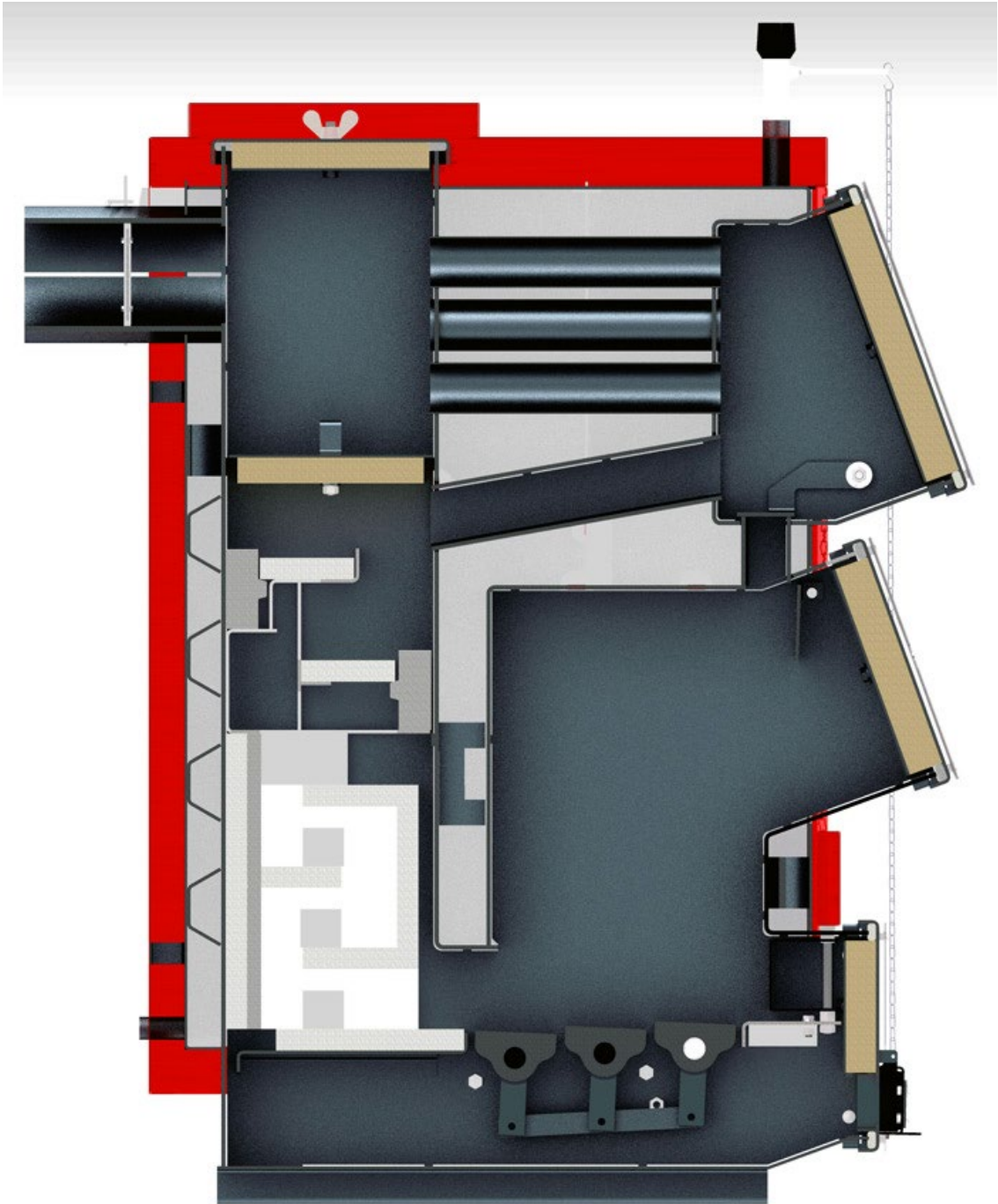
Multiple-point secondary air supply

Secondary air supply is located on both sides of the boiler body, which enables better oxygen access to the combustion process in order to burn off volatile fuel particles, and thus increases the boiler efficiency and reduces pollutant emissions.

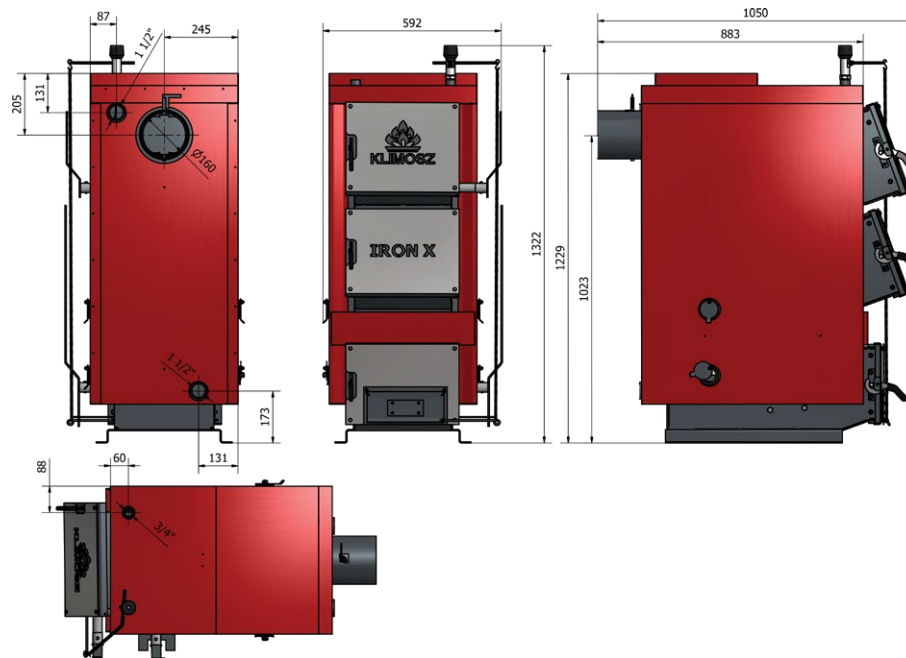


		IRON X 10	IRON X 15	IRON X 20
Compliance with ecological standards - for fuel: coal		<div>✓</div> The boiler complies with the EU Regulation 2015/1189 (Ecodesign) and EN 303-5: 2012 (5-class) at primary fuel coal.		
ErP class		B	B	B
Power regulation range - for coal fuel	kW	3 - 10,2	5 - 15,3	6,5 - 20,2
Efficiency	%	90,6	90,4	89,7
Heat transfer area	m ²	2,7	3	3,4
Water capacity	dm ³	82	90	100
Weight	kg	320	340	360
Recommended chimney draft	Pa	15 - 30		
Diameter of the flue	mm	160		
Outlets diameters - supply and return	Cal	1 1/2		

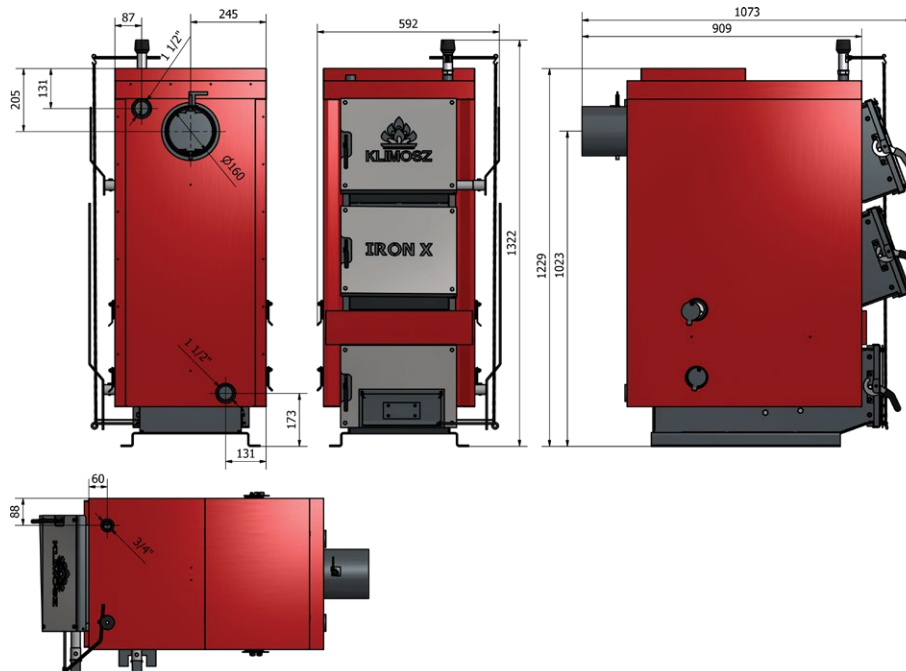
Boiler cross-section:



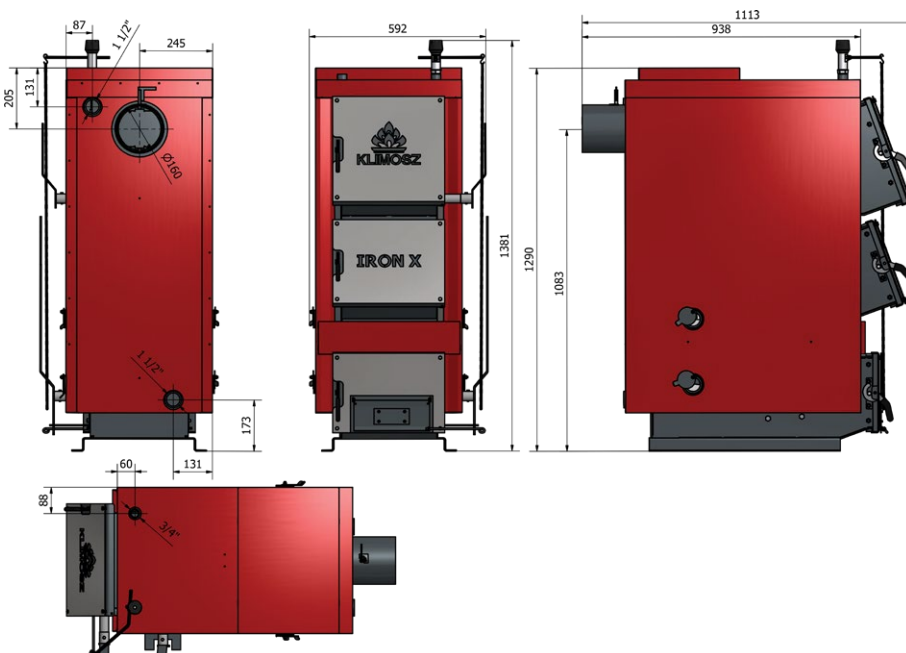
IRON X 10 dimensions :



IRON X 15 dimensions :

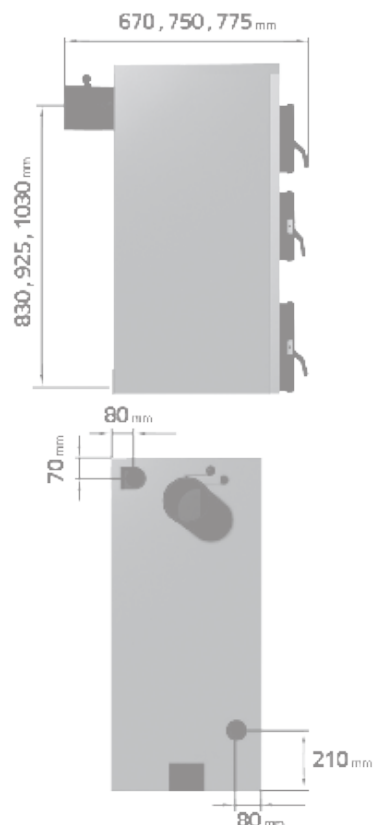
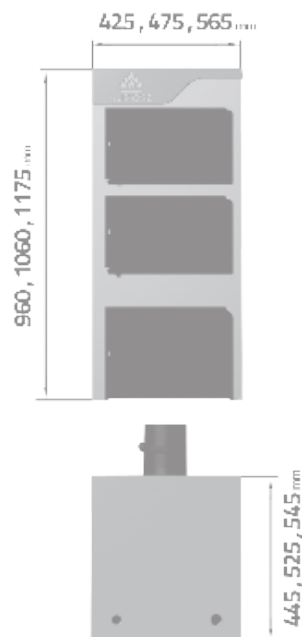


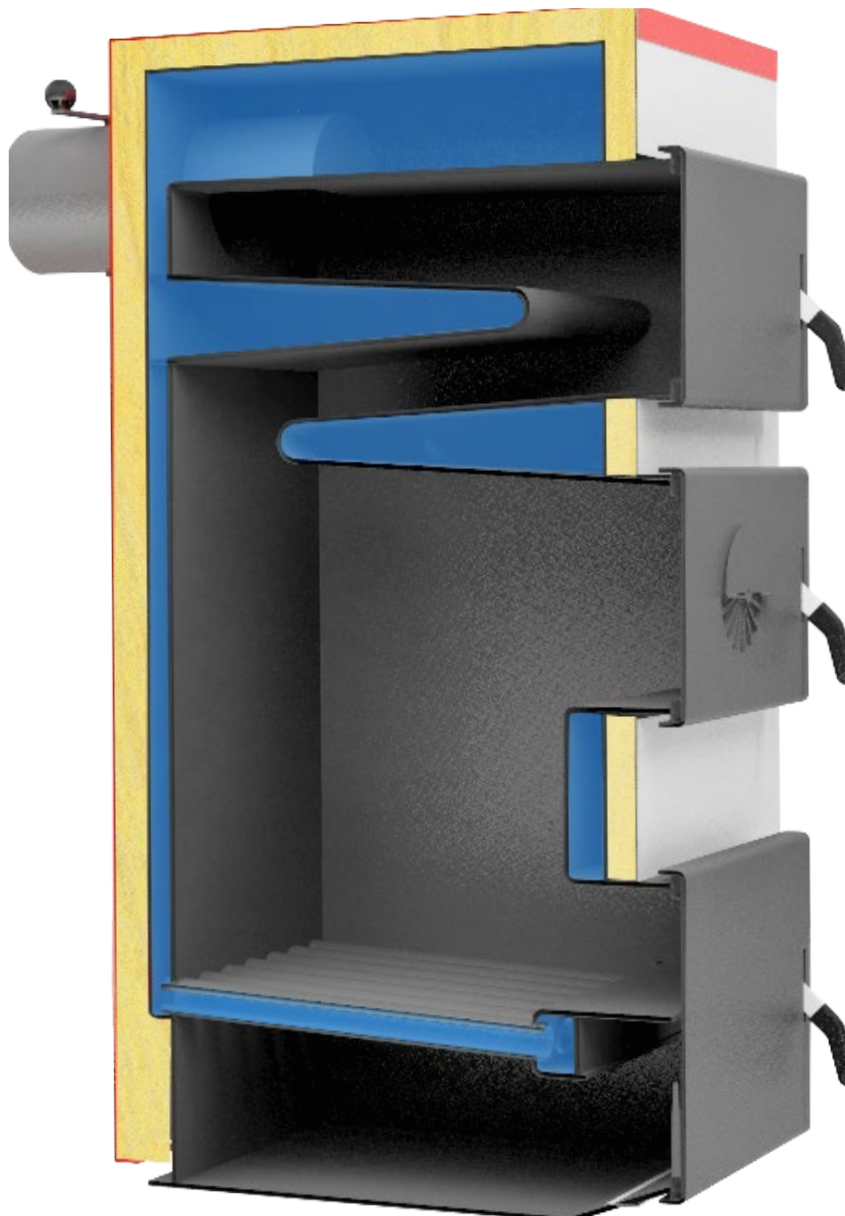
IRON X 20 dimensions :





- **Very good price-quality ratio of the boiler!** The boiler was made of high-quality steel with a sheet thickness of 5mm internal heat exchanger.
- **A flap to regulate the secondary air**, especially useful in the "top" method of burning.
- **2-year warranty for Iron exchanger.**
- **Long flue gas outlet in a convection plate heat exchanger** increasing the efficiency of the boiler.
- **The small dimensions of the boiler enable installation in small boiler rooms.**
- **Insulated casing** reducing heat loss to the environment of the renowned ROCKWOOL manufacturer.
- **Possibility of expanding the boiler with a draft regulator or a blower controller.**
- **Easy to clean thanks to its simple design.**
- **Additional accessories as standard:**
 - removable ash pan
 - cleaning kit: brush + poker





		Iron 10	Iron 15	Iron 25
Primary fuel: <i>coal</i>		10 kW	15 kW	25 kW
Secondary fuel: <i>wood</i>		10 kW	15 kW	25 kW
Efficiency		~ 80 %	~ 80 %	~ 80 %
Maximum lenght of wood		310 mm	390 mm	400 mm
Fumes temperature		140 ÷ 260 °C	140 ÷ 260 °C	140 ÷ 260 °C
Water capacity		30 dm ³	45 dm ³	70 dm ³
Smoke flue diameter		140 mm	140 mm	140 mm
Minimum chimney draught		12 ÷ 18 Pa	12 ÷ 18 Pa	14 ÷ 20 Pa
Maximum working water pressure		1,5 bar	1,5 bar	1,5 bar
Boiler connection outlets diameter		1 1/2 "	1 1/2 "	1 1/2 "
Weight		140 kg	180 kg	240 kg
ErP class		C	C	C

Optional equipment

Air draught regulator (manual)

OPTION

Electronic boiler controller KLIMOSZ PID + fan DM85

OPTION

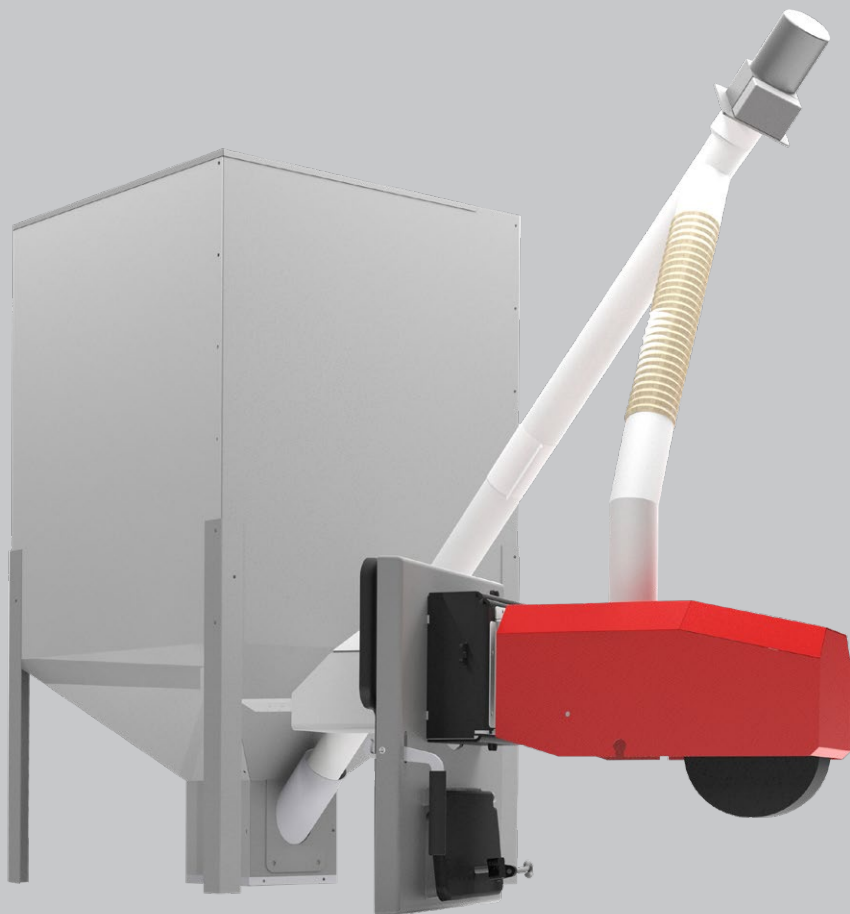
Electronic boiler controller ST-24 + fan DM85

OPTION

Electronic boiler controller ST-28 + fan DM85

OPTION

Boiler conversion sets with automatic burner





Automatic burner set with retort burner (ZPA), allows conversion of the manual loading boiler to an automatic boiler with a retort burner. Modernization of the existing boiler and heating installation using specially developed for a given model and number of boiler elements, allows to significantly reduce the cost of processing and subsequent heating costs due to perfect fit and achieved high efficiency up to 90%, while enjoying high heating comfort thanks to modern Klimosz ecoCONTROL and Klimosz KOMFORT RT-16 controllers.

5 year
WARRANTY

The automatic burner set has been made of the highest quality materials and components, thanks to which we provide a 5-year warranty for the water base in case of thermal return of the boiler by a four-way valve with an actuator. Only the application of this original Klimosz set does not interrupt the 10-year warranty for the Klimosz WALLY (U22), Wally S (SIME), Viadrus U22 and Viadrus U26 boilers.

6mm

HIGHEST QUALITY
STEEL P265GH

The water base of the automatic burner set has been made of the highest quality P265GH boiler steel with increased temperature resistance and increased plasticity. The wall thickness of the internal sheet is up to 6mm, which proves the exceptional durability and quality offered by Klimosz.



The set of automatic burner has a universal and well thought-out design - you can order the left version (the tray on the left) or the right one (the tray on the right). Thanks to that, it can be placed and adapted to each type of boiler room.



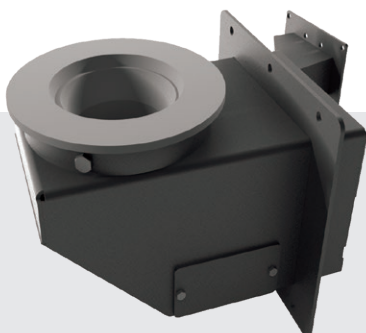
The automatic burner set is characterized by reliability and safety. When buying a set together with the Klimosz ecoCONTROL or Klimosz KOMFORT RT-16 controller, the complete set has several independent thermal protections: boiler temperature sensor, feeder tube temperature sensor (in the case of detection of heat in the feeder pipe, the fuel pushes out emergency and switches off the fan). The boiler also has a safety device that works without the need of electricity in the form of a "firefighter" flooding the tank in an emergency.



Wally 22 / Viadrus U22 after upgrade



Wally S after upgrade



Retort burner - It is a durable and proven for many years structure designed for efficient combustion of granulated coal and pellet with very high efficiency of approx. 90%. The retort elbow and grate are made of cast iron. In addition, reliability is demonstrated by the use of the highest quality gearmotor of a reputable manufacturer with a simple and effective protection against blocking the feed screw.

Primary fuel: granulated coal



	ZPA 15 (3-pcs.)	ZPA 25 (4-pcs.)	ZPA 30 (5-pcs.)	ZPA 35 (6-pcs.)	ZPA S3 (3-pcs.)	ZPA S4 (4-pcs.)	ZPA S5 (5-pcs.)
Order code - version for Klimosz WALLY (U22) and Viadrus U22	CK/ZPA/U22/3W	CK/ZPA/U22/4W	CK/ZPA/U22/5W	CK/ZPA/U22/6W	-	-	-
Order code - version for Klimosz WALLY (U26) and Viadrus U26	-	CK/ZPA/U26/4W	CK/ZPA/U26/5W	CK/ZPA/U26/6W	-	-	-
Order code - version for Klimosz WALLY S	-	-	-	-	CK/ZPA/S23/01	CK/ZPA/S34/01	CK/ZPA/S45/01

Equipment :	ZPA 15 (3-pcs.)	ZPA 25 (4-pcs.)	ZPA 30 (5-pcs.)	ZPA 35 (6-pcs.)	ZPA S3 (3-pcs.)	ZPA S4 (4-pcs.)	ZPA S5 (5-pcs.)
Water base with fixing collar		✓				✓	
Retort burner with complete system feed		✓				✓	
A set of ceramic plates		✓				✓	
Fuel storage 190 L		✓				✓	
The modern and intuitive KLIMOSZ ecoCONTROL controller supports: 4-way mixing valve, central heating pump, H.U.W. pump and a room thermostat.							
		Option				✓	
KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to control boiler via Smartphone or Internet.							
		Option				Option	
WiFi module (only for Klimosz KOMFORT)							
		Option				Option	

Technical data (after extension):		ZPA 15 (3-pcs.)	ZPA 25 (4-pcs.)	ZPA 30 (5-pcs.)	ZPA 35 (6-pcs.)	ZPA S3 (3-pcs.)	ZPA S4 (4-pcs.)	ZPA S5 (5-pcs.)
Heating surface (estimated value for q = 70 W / m ²) m ²	m ²	up to 150	up to 250	up to 300	up to 350	up to 160	up to 230	up to 290
Efficiency	%	83	80	82	90	91	90	90
Power regulation range	kW	5 - 15	7 - 25	9 - 30	12 - 35	4 - 16	4 - 23	8 - 29
Flue gas temperature	°C	100 - 250		120 - 260		120 - 200		
Water volume	dm ³	35	40	50	55	34	44	52
Recommended chimney draft	Pa	10 - 15	10 - 20	10 - 20	15 - 25	15 - 25		
Can be installed in a closed system		-	✓	✓	-	-	-	-
The maximum working pressure of water	bar	4				4		

Dimensions / Weight (after extension):		ZPA 15 (3-pcs.)	ZPA 25 (4-pcs.)	ZPA 30 (5-pcs.)	ZPA 35 (6-pcs.)	ZPA S3 (3-pcs.)	ZPA S4 (4-pcs.)	ZPA S5 (5-pcs.)
Height	mm	1160				1260		
Depth	mm	660	755	850	945	791	872	936
Width	mm	1455				1490		
Height to the chimney	mm	1150				1300		
Boiler connection: power supply and return	cal	6/4 / 2				2 / 1 1/2		
Weight	kg	370	410	455	500	430	510	590



Automatic burner set with pellet burner (ZPP), enables conversion of a manual loading boiler to an automatic boiler with a pellet burner. Modernization of the existing boiler and heating installation using specially developed for a given model and number of boiler elements, allows to significantly reduce the cost of processing and subsequent heating costs due to perfect fit and achieved high efficiency up to 90%, while enjoying high heating comfort thanks to the modern, highest model Klimosz KOMFORT RT-16p controller in the standard.

2 year
WARRANTY

The pellet burner set was made of the highest quality materials and components. Only the application of this original Klimosz set does not interrupt the 10-year warranty for the Klimosz WALLY (U22), Wally S (SIME), Viadrus U22 and Viadrus U26 boilers.



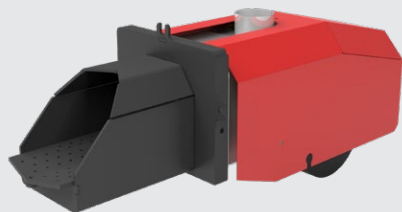
The pellet burner set has a universal and well-thought-out design - it allows placing the pellet container from any side of the boiler - from the left / right / behind / in front of the boiler, so that it can be placed and adapted to each type of boiler room.



A pellet burner kit means reliability and safety. The set has, among others durable igniter, resistant to burnout thanks to the special metal alloy, much more durable in relation to the ceramic equivalents of the previous generation. The set has a number of protections: the SPIRO type feeder pipe from a special melting material, which provides reliable protection against backfire even in the event of power failure, the second protection is a temperature sensor inside the burner feeder tube, which in the case of excessive temperature detection pushes the pellet preventing the entry of heat next to the tray.

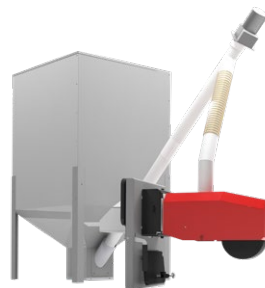


Wally 22 / Viadrus U22 after upgrade







Pellet burner - Innovative pellet burner with high efficiency up to 99% with double automatic cleaning system in the standard: air-blowing cleaning system and mechanical cleaning system with forward-backward movable grate. Pellet burner also has the function of automatic fire starting, automatic ending burning process and automatic resuming if boiler receive a signal from temperature sensors to produce heat. All these systems provides major savings in fuel consumption (~30% referred to retort or horizontal burner) - boiler with this kind of burner do not consume any gram of fuel when it is not necessary.

Primary fuel: pellets



	ZPP 15kW (4-pcs.)	ZPP 25kW (5 i 6-pcs.)	ZPP 35kW (7-pcs.)	ZPP 40kW (8-pcs.)
Order code - version for Klimosz WALLY (U22) / Viadrus U22	CK/ZPP/U22/4/150	CK/ZPP/U22/5/150	CK/ZPP/U22/7/150	CK/ZPP/U22/8/150

Equipment :	ZPP 15kW (4-pcs.)	ZPP 25kW (5 i 6-pcs.)	ZPP 35kW (7-pcs.)	ZPP 40kW (8-pcs.)
KLIMOSZ KOMFORT - the highest model of the controller, it supports: 2x 4-way valves, 2x C.H. pumps, H.U.W. pump, circulation pump, 2 heating circuits, 2 room thermostats, outdoor temperature sensor and enables cooperation with the fireplace. Possible to upgrade with WiFi module to controll boiler via Smartphone or Internet.	 ✓			
Pellet burner with a complete feeding system, 1.5 m feed pipe and SPIRO 1m pipe	✓			
Door with a burner hole	✓			
Pellet burner cover	✓			
Ceramic plates set	✓			
Foldable, spacious pellet storage tank with a capacity of 310L made of galvanized steel	✓			
Pellet storage 900L - foldable, spacious pellet storage tank made of galvanized steel - dimensions: 110 x 110 x 150 cm	 Option			
Pellet storage 1700L - foldable, spacious pellet storage tank made of galvanized steel - dimensions: 125 x 125 x 156cm	 Option			
WiFi Module (only for Klimosz KOMFORT)	 Option			

Technical data (after upgrade) :		ZPP 15kW (4-pcs.)	ZPP 25kW (5 i 6-pcs.)	ZPP 35kW (7-pcs.)	ZPP 40kW (8-pcs.)
Heating surface (estimated value for q = 70 W / m2)	m ²	up to 150	up to 250	up to 350	up to 400
Efficiency	%	87	90	90	90
Power regulation range	kW	4 - 15	7 - 25	9 - 35	12 - 40
Flue gas temperature	°C	100 - 200		100 - 230	
Water volume	dm ³	36	41	50	55
Recommended chimney draft	Pa	10 - 15	10 - 20	10 - 20	15 - 25
Can be installed in a closed system		-	-	-	-
Maximum water working pressure	bar	4			

Dimensions / Weight (after upgrade) :		ZPP 15kW (4-pcs.)	ZPP 25kW (5 i 6-pcs.)	ZPP 35kW (7-pcs.)	ZPP 40kW (8-pcs.)
Height	mm	1095			
Depth	mm	1075	1171	1267	1363
Width	mm	545			
Height to the chimney	mm	675			
Boiler connection: power supply and return	cal	6/4 / 2			
Weight	kg	260	310	390	420

BOILER CONTROLLERS COMPARISON



	KLIMOSZ ecoCONTROL	KLIMOSZ KOMFORT RT-16	KLIMOSZ KOMFORT <i>pelet</i> RT-16p	KLIMOSZ KOMFORT <i>industrial</i> RT-16i	KLIMOSZ PID RT-04C + air blower	TECH ST-24 SIGMA + air blower	TECH ST-28 z PID + air blower
Number of heating circuit pumps controll	1	2	2	4	1	1	1
DHW circuit pump	yes	yes	yes	yes	-	-	yes
DHW priority	yes	yes	yes	yes	-	-	yes
Time zones for DHW	yes	yes	yes	yes	-	-	-
Anti-Legionella Bacteria function for DHW	yes	yes	yes	yes	-	-	-
Circulation pump for DHW	-	yes	yes	yes	-	-	-
Time zones for circulation pump for DHW	-	yes	yes	yes	-	-	-
By-Pass pump for heating circuit	-	-	-	yes	-	-	-
Maximum number of 4-way valve controll	1	2	2	4	-	-	-
Quick START function	yes	yes	yes	yes	yes	-	-
Max. heating curves controll	-	2	2	4	-	-	-
Weekly heating presetting	yes	-	-	-	-	-	-
SUMMER / WINTER function	yes	yes	yes	yes	-	-	yes
Automatic change SUMMER / WINTER function	-	yes	yes	yes	-	-	-
AUTUMN/SPRING function	-	yes	yes	yes	-	-	-
Number of room thermostats controll	1	2	2	4	-	-	-
Wireless control of boiler and installation	Not available	Yes, requires optional WiFi Module	Yes, requires optional WiFi Module	Yes, requires optional WiFi Module	-	-	-
Number of controlled feeders	1	1	2	2	-	-	-
Number of controlled air blowers	1	1	1	2	1	1	1
Burner air blasts cleaning function	-	yes	yes	yes	yes	yes	-
Igniter control	-	yes	yes	-	-	-	-
PID function - change power by boiler temp.	-	yes	yes	-	yes	yes	yes
PIDs function - change power by fumes temp.	-	yes	yes	-	-	-	-
Fumes sensor	-	OPTION	OPTION	yes	-	-	yes
Cooperation with fireplace	-	yes	yes	yes	-	-	-
Safety sensor on flap (turn off boiler when open)	-	OPTION	OPTION	OPTION	-	-	-
USB output for software upgrades on pendrive	-	yes	yes	yes	-	-	-
Manual mode burning function	yes	yes	yes	yes	yes	yes	yes

PLUM BOILER CONTROLLERS COMPARISON



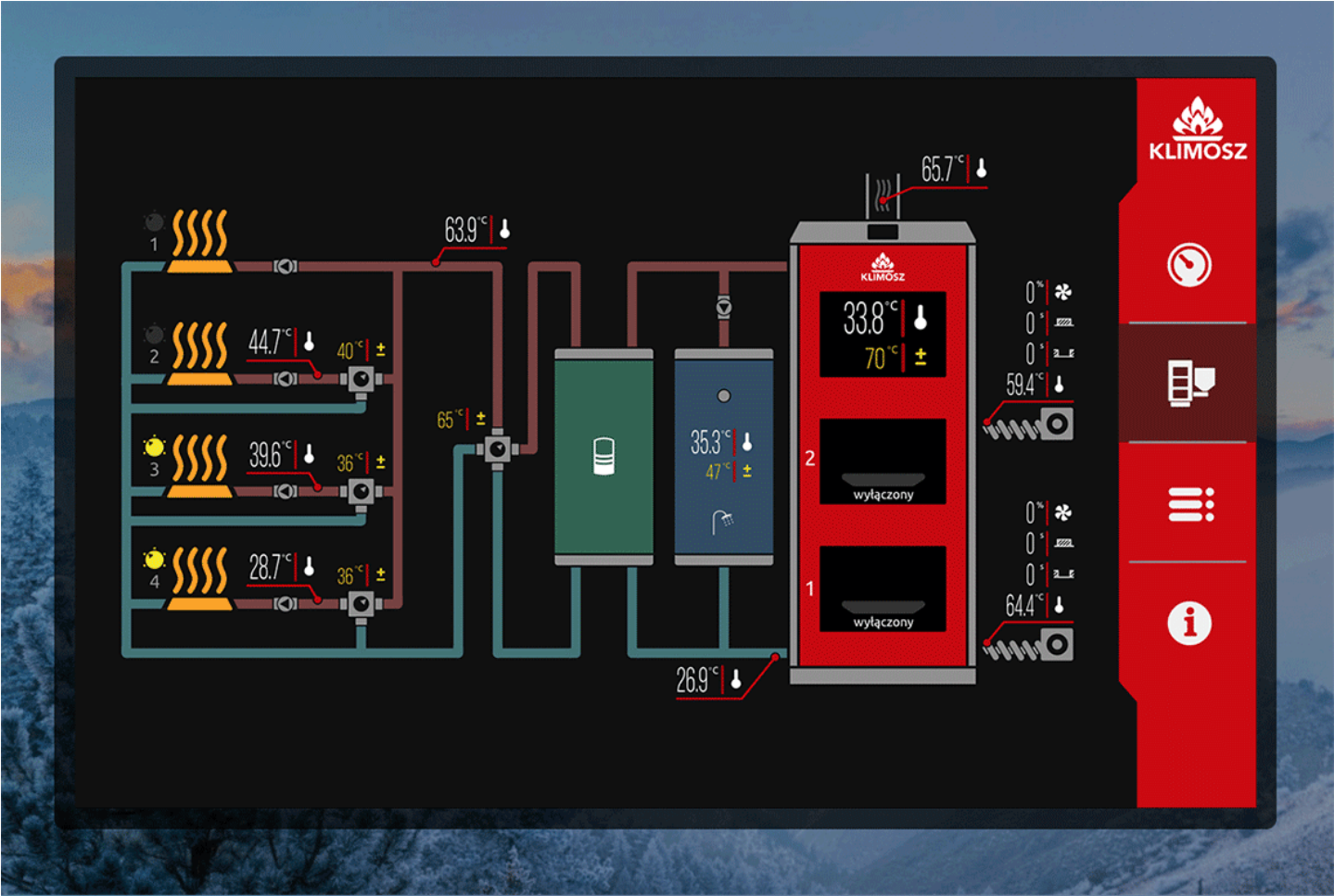
	Plum ecoMAX 800R3	Plum ecoMAX 860P	Plum ecoMAX 860P TOUCH
Dedicated	for boilers with a retort burner	for boilers with a pellet burner	for boilers with a pellet burner
Type of steering	Reliable control with buttons and a knob	Reliable control with buttons and a knob	Modern and intuitive control by means of a large, colorful and readable touch screen
Boiler operation control based on the FuzzyLogic algorithm	✓	✓	✓
Number of supported heating circuits as standard	1	1	1
Number of heating circuits after the expansion with the B extension module	3	3	3
Number of heating circuits after the expansion with the expansion module B and C	5	5	5
Support for additional heat sources (reserve boiler, e.g. gas boiler)	✓	✓	✓
Buffer tank support	Yes, it requires the purchase of an optional B expansion module	✓	✓
Operation of the tank, DHW pump and DHW circulation pump	✓	✓	✓
DHW tank disinfection function (anti-legionella)	✓	✓	✓
The function of indicating the approximate level of fuel in the container on the regulator / room thermostat	✓	✓	✓
Standard external temperature sensor and the ability to work on the basis of heating curves	✓	✓	✓
Cooperation with a room thermostat	Yes, it is possible to operate a room thermostat (ecoSTER 200 or ecoSTER TOUCH) or any NO / NC thermostat (e.g. Auraton)	Yes, it is possible to operate a room thermostat (ecoSTER 200 or ecoSTER TOUCH) or any NO / NC thermostat (e.g. Auraton)	Yes, it is possible to operate a room thermostat (ecoSTER 200 or ecoSTER TOUCH) or any NO / NC thermostat (e.g. Auraton)
The ability to control the boiler remotely (from a phone / computer)	-	Yes, it requires an optional WiFi PLUM econet module	Yes, it requires an optional WiFi PLUM econet module
Boiler operation control based on a weekly schedule	The function is available from the level of an optional room thermostat	The function is available from the level of an optional room thermostat	The function is available from the level of an optional room thermostat

WIFI MODULE PLUM ECONET 300

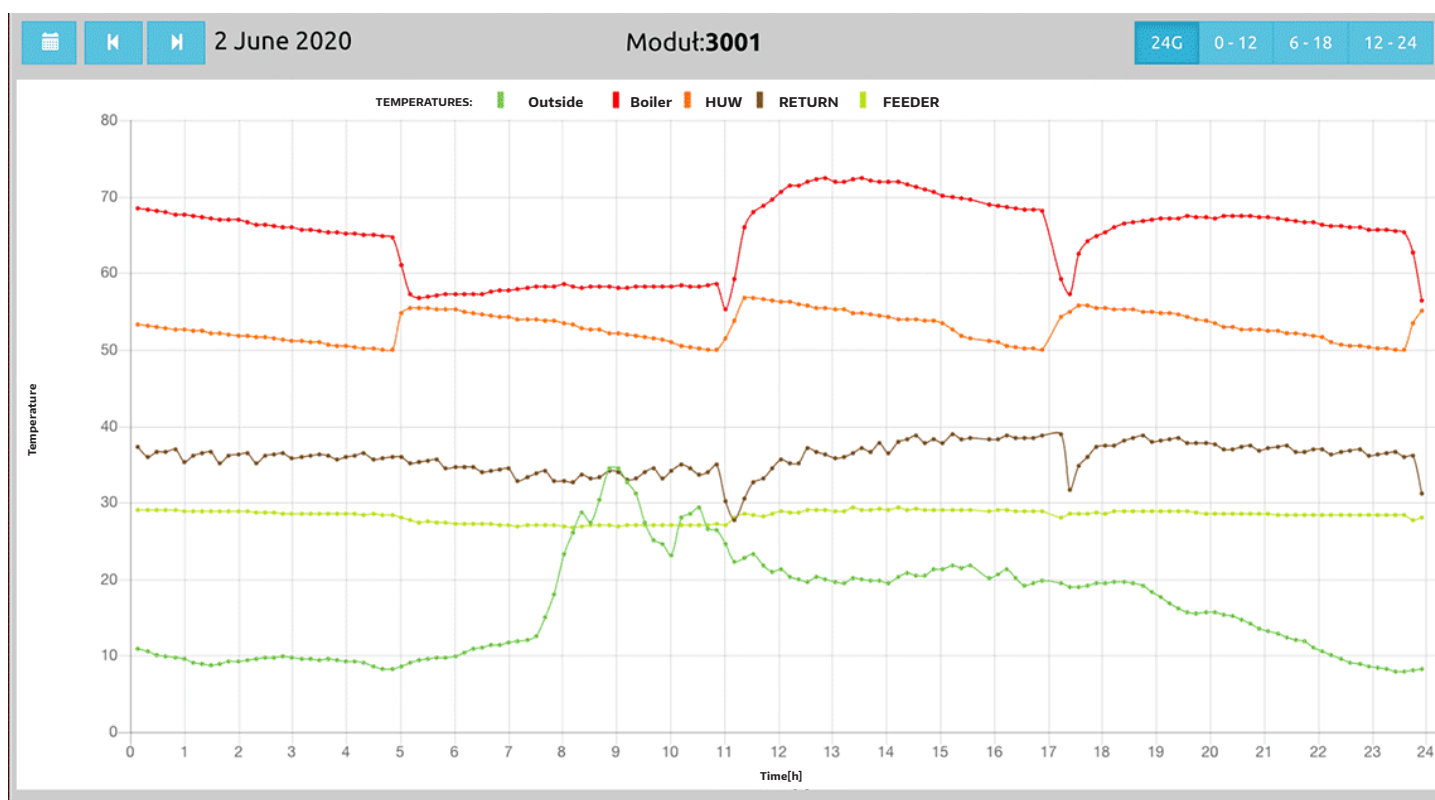
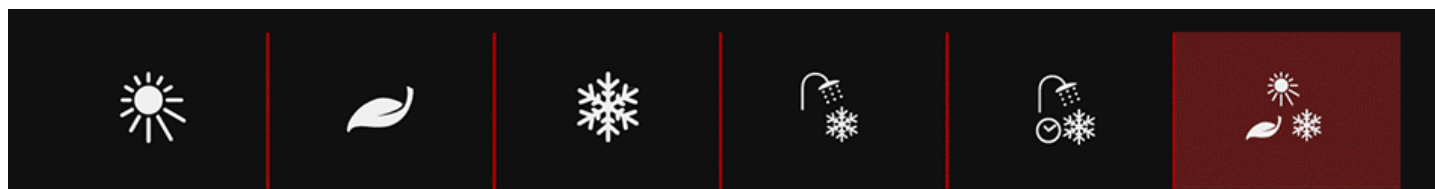


- Access to all device operating parameters and time schedules.
- Preview and visualization of the operating status of the device on the diagram. Clear graphs of heat yield, fuel consumption, data history.
- On-line service control and alarm recording.
- Remote management of on-line operation of PLUM devices using a computer via the website www.econet24.com,
- Possibility to control all parameters of heating circuits, ventilation and solar system, heat pumps and boilers,
- Visual preview of the operating status of the selected device and registration of key parameters of its operation,
- Clear visualization of the device operation in the form of charts and recording of alarms and data history with the option of sending notifications to an e-mail box.





Main parameters		Service parameters	
Refresh			
Adr	Parameter	Value	
1	Heating circuit 1 - temperature	65	°C
2	Heating circuit 2 - temperature	40	°C
3	Hot utility water - temperature	47	°C
8	Mode: summer/winter/auto	AUTO	
10	Heating circuit 3 - temperature	40	°C
11	Heating circuit 4 - temperature	40	°C
Weather characteristics			
4	Weather curve 1	0	
5	Change weather curve 1	20	°C
6	Weather curve 2	0	
7	Change weather curve 2	20	°C
12	Weather curve 3	0	



ACCESSORIES

Selection of the four-way valve depending on the boiler model

4-way valve ESBE VRG141 - 1 1/4" + actuator ARA 661	4-way valve ESBE VRG141 - 1 1/2" + actuator ARA 661	4-way valve ESBE VRG141 - 2" + actuator ARA 661
<ul style="list-style-type: none"> MINIPELET 	<ul style="list-style-type: none"> UNIPELET S LE 10-40 LE PELET 10 - 40 COMBI S 	<ul style="list-style-type: none"> LE 50-75 LE PELET 50 - 75 DUO INDUSTRIAL NG MAXI MAXI PELET

4-way valves



ESBE VRG141 25-10 RP DN25 GW
1"



ESBE VRG141 40-25 RP DN40 GW
1 1/2"



ESBE VRG141 32-16 RP DN32 GW
1 1/4"



ESBE VRG141 50-40 RP DN50 GW
2"

Actuators for 4-way valves



ESBE ARA 661 (3-POINT 230V AC 6NM 120S)

Safety valves



DVB-1 3/4"
Two-way safety valve, required when the boiler is installed in a closed system.



BVTS/STS
Safety valve, obligatory for pellet firing in boilers with a retort burner, regardless of the boiler power. Mandatory for every boiler with a capacity above 50kW.

Chimney draft regulators



RCO-CH
diameter 150mm



RCW-CH
draft regulator for the cleaning hole,
dimensions 125x185mm



RCO-CH-EX
with explosion protection, diameter 150mm



RCWS-CH
draft regulator for the cleaning hole, for ceramic chimneys
dimensions 125x250mm



RCP-CH
dimensions 140x150mm



RCR-CH
draft regulator to mount on chimney pipe,
diameter range 120-200mm

Chimney draft regulators to mount on the top of chimney



RC 14/O
round, diameters: 100-200mm



RC 14
square shape, regulated dimension range: 130-265mm



RC 14M/O
round, diameters: 210-300mm



RC 14M
square shape, regulated dimension range: 215-345mm

ACCESSORIES

WIFI modules



WIFI module KLIMOSZ KOMFORT

It enables remote control of the boiler using a smartphone or a web browser. Compatible only with Klimosz KOMFORT controllers.



WIFI module PLUM ecoNET 300

It enables remote control of the boiler using a smartphone or a web browser. Compatible only with PLUM 860P and 860P TOUCH controllers.

Extension modules



PLUM Sonda lambda probe module

It extends the functionality of the controller with the lambda probe for measuring the oxygen content in the exhaust gas and optimizing the combustion process (reduces fuel consumption). Compatible only with PLUM 860P and 860P TOUCH controllers.



PLUM MODULE B

It extends the functionality of the controller to support two additional heating circuits (and a buffer - in controllers for retort boilers). Compatible only with PLUM ecoMAX 800R3, PLUM ecoMAX 860P and PLUM ecoMAX 860P TOUCH controllers.



PLUM MODULE C

It extends the functionality of the controller to support another two heating circuits. Compatible only with PLUM ecoMAX 800R3, PLUM ecoMAX 860P and PLUM ecoMAX 860P TOUCH controllers.

Room thermostats



Room thermostat ecoCONTROL

Wireless model. Dedicated room thermostat. It is used to control and control the temperature in the room. Compatible only with Klimosz ecoCONTROL controllers.



AURATON TUCANA

Wired with an illuminated liquid crystal display. Normally closed type. It is used to control and control the temperature in the room. Compatible with Klimosz KOMFORT, PLUM: 800R3, 860P 860P TOUCH controllers.



AURATON TUCANA SET

Wireless with illuminated liquid crystal display. Normally closed type. It is used to control and control the temperature in the room. Compatible with Klimosz KOMFORT, PLUM: 800R3, 860P 860P TOUCH controllers.



PLUM ecoSTER 200

Wired with an illuminated liquid crystal display. Dedicated room thermostat. It is used to control and control the temperature in the room. It also displays the level of fuel in the container and informs about its low state and the need for refilling. Compatible only with PLUM ecoMAX 800R3, PLUM ecoMAX 860P and PLUM ecoMAX 860P TOUCH controllers.



PLUM ecoSTER TOUCH

Wired with a color touch screen. Dedicated room thermostat. It is used to control and control the temperature in the room. It also displays the level of fuel in the container and informs about its low level and the need for refilling. Compatible only with PLUM ecoMAX 800R3, PLUM ecoMAX 860P and PLUM ecoMAX 860P TOUCH controllers.

ACCESSORIES

Emergency power supplies for boilers (UPS)



UPS-400W-WM

400W output power. Instantaneous power 460W. Replaces the IPS 300W-WM model.



IPS600-SIN-WM

600W output power. Instantaneous power 900W.



IPS1000-SIN

1000W output power. Instantaneous power 1500W.

Pure sinusoidal output waveform (true sin). Synchronization of the output voltage with the mains (voltage and frequency). Provides battery charging and automatic switching to battery operation. Microprocessor control. Harmonics of the output voltage <5%. Cooperation with resistive, inductive and capacitive receivers. Selection menu with LCD display. Saving electricity in sleep mode (less than 5W). Battery charger programmed from the MENU (3 stages). Back-up time depends on connected batteries. Easy to assemble and run. Low frequency toroidal transformer in the input stage.

GLP batteries for voltage support systems



GLP 80Ah 12V



GLP 150Ah 12V



GLP 100Ah 12V



GLP 200Ah 12V

Fuel storages for retort burner automatic boilers



Fuel storage 190L

- Width 565mm x Depth 565mm x Height 756mm
- The seal in the hopper flap ensures tightness and durability
- Comfortable fuel refilling - an air actuator holds the hatch when it is open
- Comfortable handle for comfortable opening



Fuel storage 230L

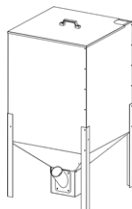
- Width 580mm x Depth 710mm x Height 949mm
- The seal in the hopper flap ensures tightness and durability
- Comfortable fuel refilling - an air actuator holds the hatch when it is open
- Comfortable handle for comfortable opening



Fuel storage 320L

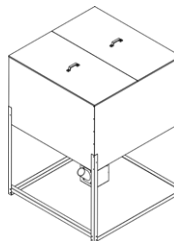
- Width 580mm x Depth 810mm x Height 1064mm
- The seal in the hopper flap ensures tightness and durability
- Comfortable fuel refilling - an air actuator holds the hatch when it is open
- Comfortable handle for comfortable opening

Fuel storages for pellets (biomass) burner automatic boilers



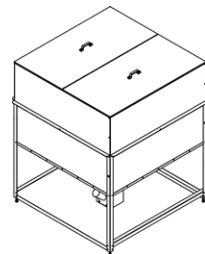
Fuel storage 310L

- Width 600mm x Depth 600mm x Height 1135mm
- Folded, galvanized
- The optimally selected height enables comfortable refueling
- Possibility to change the position of the tank in relation to the boiler within the range of the feeder pipe



Fuel storage 900L

- Width 1100mm x Depth 1100mm x Height 1500mm
- Folded, galvanized
- The optimally selected height enables comfortable refueling
- The top flap is divided into two parts
- Possibility to change the position of the tank in relation to the boiler within the range of the feeder pipe



Fuel storage 1700L

- Width 1316mm x Depth 1316mm x Height 1560mm
- Folded, galvanized
- The optimally selected height enables comfortable refueling
- The top flap is divided into two parts
- Possibility to change the position of the tank in relation to the boiler within the range of the feeder pipe

NOTES

WHY KLIMOSZ HEATING BOILERS ARE THE BEST CHOICE ?

Each Klimosz boiler is designed for the most demanding users who appreciate the highest quality, convenience and reliability. Designing Klimosz boilers, we aim to create a product based on the highest technological standards and maintaining strict emission standards for the environment such as 5-class norm and EcoDesign EU Directive.



Proven construction

The steel and cast-iron construction tradition of the Klimosz boilers have more than 25-years, and it is the basis for creating new projects with the highest quality standards, guaranteeing a long-term trouble-free operation.



Safety and durability for years

Our steel boilers are made of the best for this usage P265GH alloy with increased heat resistance and heat exchanger thickness up to 8mm - what guarantees long and safe use of the boiler over years. The estimated lifetime of the boiler is up to 25 years.



100% top quality heating boilers

Klimosz Sp. o.o. is a well-known brand in the heating technology market in Poland and in Europe. We employ the best engineers and specialists and cooperate with the best suppliers offering the highest quality products using highest technological standards and innovations.



Our principle No1: ECOLOGY

We aim to protect the environment and reduce emissions by produce ecological boilers - our top priority is creation only such boilers that meet the stringent and prestigious 5-class emissions requirements of EN 303-5: 2012 and EcoDesign EU Directive - what affects very low emission of CO, NOx, dust and provides clean air almost 50x times less polluted than when using traditional way solid fuel boilers.

www.klimosz.eu

place for distributor stamp

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