



The power of nature.
Heating comfort.



Wood gasification, combined and
automatic boilers for wood and pellets

Why buy a boiler from the Czech manufacturer Blaze Harmony?

1 **Patent pending** Mechanical residual fuel detection

This unique system provides automatic stable heat (embers), causing the fan to switch off when the level of the fuel decreases. This accurate detection maintains the hot embers layer in the combustion chamber for several hours, reducing the number of times a new fire is started in the boiler per season.

2 **Patent pending** Protection against low temperature corrosion

The built-in thermostat and a special structure for water mixing inside the boiler protects the boiler. Option of gravity connection to the buffer tank without pumps. Considerable savings during installation and safe operation.

3 **Patent pending** Three-way air supply

Ensures uniform burning of fuel and allows to burn fuels of various dimensions. Pre-drying air, which is supplied (if necessary) into the upper part of the stocking chamber will dry up any damp fuel in order to be able to burn it well and maintain high boiler efficiency and low emission values.

4 **Patent pending** Jet nozzle

For the BN PLUS and BG models, a special ray-shaped bottom design is used, which ensures high quality gasification of fuel with very low emissions. At the same time, it allows operation on chimney draft only.

5 **Corrosion protection by insulated compact warm chamber system**

Where the walls of the stoking chamber are not directly cooled by water – they are hotter, which prevents condensation. The service life of these boilers is many times longer than that of conventional gasification boilers. The chamber can be replaced.

6 **Inclined bottom of the gasification chamber**

Provides automatic ash removal from the combustion chamber during combustion, completely eliminating the need to clean it before firing it up again.

7 **Excellent output adjustability**

It allows you to directly set the desired boiler output in percentage and control the boiler during operation. The reduced output setting ensures a long burn time in the boiler with comparable combustion quality as when the output is set to 100%.

Low total acquisition cost

- Integrated patented system for mixing the return water to the boiler (anti-condensing valve)
- Excellent power adjustability allows the same quality operation (in terms of efficiency and comfort) even with a smaller buffer tank volume
- Small size, low installation requirements, double-sided design
- Possibility of gravity connection without boiler pump
- The BN PLUS and BP models can be installed without a buffer tank

Low operating costs

- Fuel saving - ensured by the patented hot embers layer detection system
- Electricity saving - gravity connection (without pump and mixing valves) reduces electricity costs
- Saving on service costs - progressive conceptual elements (split heat fittings made of special ceramics, components made of top-quality heat-resistant steel) provide the user with low costs for consumable parts
- Model BN PLUS allow long-term operation without electricity

Quality combustion

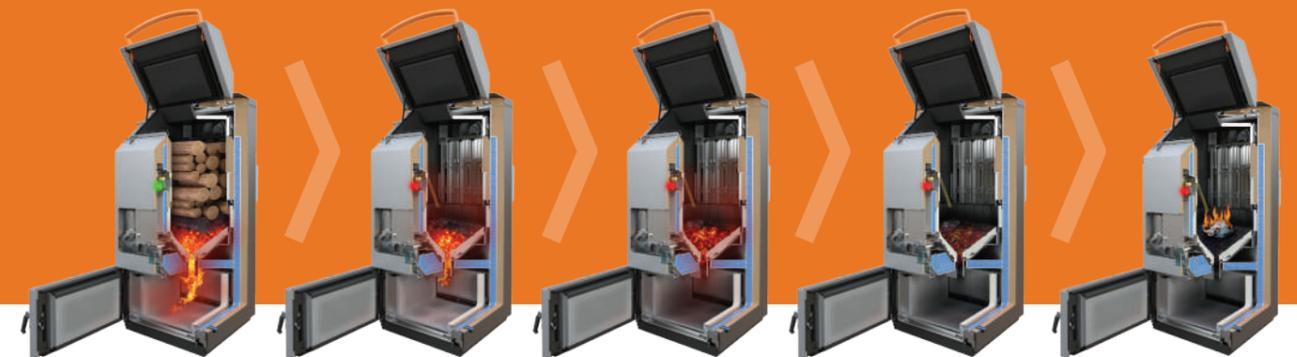
- Original combustion chamber design
- The patented 3-way air supply system allows burning fuels of different sizes (in case of lack of lump wood, wood briquettes, wood chips, sawdust can be used)

Operation comfort

- Excellent adjustability and patented automatic system for hot embers layer
- No need to remove ash from the bottom of the stocking chamber
- Powerful exhaust fan prevents smoke from escaping when stoking
- Transparent ceramic glass into the combustion chamber

The operation of the pyrolytic boiler is clean and very comfortable

SEMI-AUTOMATIC OPERATION OF THE PYROLYTIC BOILER:



1

Loading

After stoking fuel to whole volume of the stoking chamber the combustion time is up to 8 hours depends on the fuel type and preset boiler output.

2

After up to 8 hours

When the fuel level drops below the detection threshold, the sensor gives a signal and the controller switches off the fan. This stops the combustion process.

3

Up to 24 hours from the first fuel stoking, there are still hot coals (embers) in the chamber, so it is sufficient to add directly bigger logs, start the fan and combustion continues.

4

After 24 hours or more from the first fuel stocking, there will not be hot coals (embers). There will remain fuel residual in the form of charcoal. In such a case is sufficient to start the fan and with small piece of paper fire up the layer of charcoal.

5

After a short time, the charcoal fires up and then larger pieces of fuel can be added. With the residual fuel detection mechanism, a high level of operator comfort is ensured due to the absence of new fire ups, when the user has to clean the boiler, chip small pieces of wood and wait for the boiler to fire up.

Lambda probe

The gasification and combined boilers are equipped with a three-way combustion air inlet. Unlike other boilers, the distribution of the air entering the combustion chamber can be easily controlled with BLAZE boilers. The boiler can therefore also be adapted to different fuels. The relative air ratio is determined by a multifunctional sliding damper controlled by a lambda probe via a servo drive. As a result, it

efficiently burns fuels that burn easily (trimmings, wood chips, small briquettes) and fuels that are difficult to burn (large logs, wetter wood). It ensures quality combustion and low emission values, whether you burn hardwood or softwood. The Lambda probe is an important element that measures the residual oxygen value. This method of automatic combustion control means further savings in fuel consumption.

Comparison of parameters of gasifying boilers

	BLAZE BOILERS	Conventional boiler
Possibility of installation without buffer tank (only for boilers with 30-100% adjustability)	YES	NO
Certified Adjustable output	YES	NO
Gravity circulation	YES	NO
Operation during power failure	YES	NO
Possibility to burn bulk fuel	YES	NO
Burning time per load (when the chamber is max filled with hard wood)	3-8 hours	2-5 hours
Usable volume of the feeding chamber	about 90%	approx. 70% (front loading)
Fuel consumption	0,25-0,35 kg/kWh	0,35-0,45 kg/kWh
Integrated reverse thermostat protection	YES	NO

- Boiler with very low emissions
- New patent – special ray-shaped nozzle
- Certified output adjustability 50-100%
- Insulated stocking chamber
- Mechanical fuel detection
- Integrated mixing of return water
- Three way air supply controlled automatically with lambda probe and actuator
- Controller with touch panel
- Comfortable semi-automated operation
- Very low fuel consumption
- Possibility of gravity connection

Gasification boiler Blaze GREEN

Unique ecological boiler
wood burning boiler

7 years warranty
on the boiler body

	BG 17	BG 24
Nominal output (kW)	18	26
Adjustable output (kW)	8,9-18	12,7-26
Efficiency (%)	91	91
Emission class	5	
Ecodesign	yes	
Energy class	A+	
Log length (mm)	330	500
Stocking chamber volume (l)	80	120
Boiler weight (kg)	340	440
Maximum operating pressure (bar)	3	3
Water volume (l)	40	55

Scan the first fire up →



All BLAZE HARMONY boilers are characterized by significantly lower emission values than required by the EN303-5 and Ecodesign standards. However, the BLAZE Green boiler pushes the limits of emission values further when burning lump wood. The newly patented ray-shaped nozzle, together with automatic combustion control via a lambda probe, ensures very low emission values. These are already at the very limit of measurability and are, for example, comparable to condensing gas boilers. And we still burn biomass - a renewable and affordable fuel.

Wood fuel		BG 17	BG 24
CO (13% O ₂)	[mg/m ³]	22	19
OGC/THC (13% O ₂)	[mg/m ³]	<1	<1
NOx (13% O ₂)	[mg/m ³]	115	110
Dust (13% O ₂)	[mg/m ³]	13	14

For dimensions see boiler Blaze Comfort 15 kW and 25 kW

4 patents in one boiler

Special mechanical turbulators for clean exchanger and high efficiency



PATENTED
Mechanical detection of the hot embers layer ensures high comfort of boiler operation



Lambda probe + actuator ensures optimum combustion parameters

PATENTED
The three-way air supply allows combustion of different type of fuels



PATENTED
New ray-shaped nozzle

Inclined bottom provides automatic ash removal

The loading door is used for convenient loading of wood and bulk fuels



The adjustable fan allows convenient connection of the chimney



PATENTED
Integrated return water mixing protects the boiler against corrosion and reduces installation costs

Insulated compact stocking chamber with stainless steel bottom section



- 🔥 Certified output adjustability 30-100% allows installation **WITHOUT** a buffer tank
- 🔥 The controller allows easy adjustment of the desired boiler output using a rotary control. The controller controls the output according to the flue gas temperature. A separate button switches the exhaust fan to maximum power for trouble-free fuel loading without smoke.
- 🔥 4 patents in a single boiler
- 🔥 Simple replacement of existing non-compliant boilers
- 🔥 Low fuel consumption, long boiler life
- 🔥 The boiler is able to operate permanently only on the chimney draft. When the desired output is reached, the natural chimney draft takes over the function of the fan and in this case the electricity consumption is almost zero.

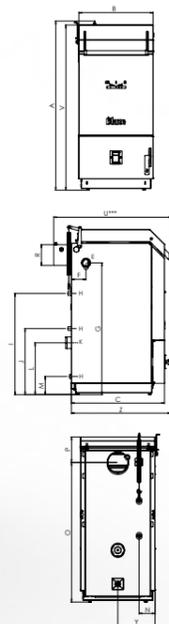


Gasification boiler Blaze NATURAL PLUS

Unique boiler with possible operation **completely WITHOUT electricity.**



	BN 25 PLUS	BN 35 PLUS
Nominal output (kW)	26	40
Adjustable output (kW)	7,6-26	12-40
Efficiency (%)	90	90
Emission class	5	
Ecodesign	yes	
Energy class	A+	
Log length (mm)	330	500
Stocking chamber volume (l)	80	120
Boiler weight (kg)	340	440
Maximum operating pressure (bar)	3	3
Water volume (l)	40	55
Required chimney draft (Pa)	10	10



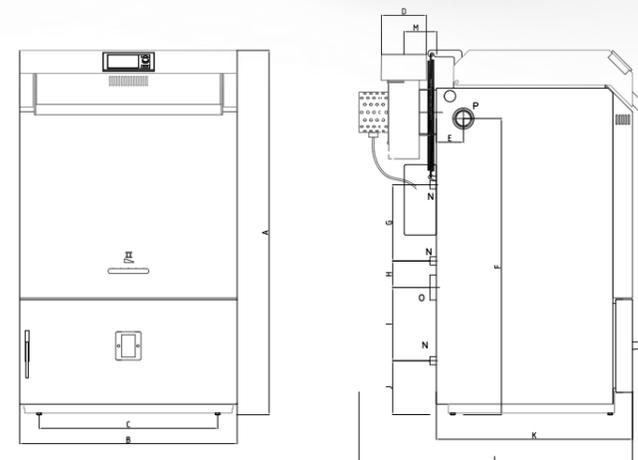
	BN 25 PLUS	BN 35 PLUS
A	1200	1200
B	530	714
C	664	664
D	∅ 149	∅ 149
E	G6/4"	G6/4"
F	104	104
G	939	939
H	G1/2"	G1/2"
I	721	721
J	471	471
K	G2 1/2" *	G2 1/2" *
L	370	370
M	130	130
N	113	113
O	995	995
P	200	200
Q	120	120
R	∅ 147	∅ 147
S	18	18
U	1040	1040
V	1176	1176
W	680	870
X	850**	850**
Y	265	324
Z	707	707

- 🔥 Certified output adjustability 50-100 % enables installation of smaller buffer tank
- 🔥 Convenient price
- 🔥 Compact dimensions
- 🔥 Comfortable semi-automatic operation
- 🔥 Low fuel consumption
- 🔥 Possibility of gravity connection
- 🔥 Integrated mixing of return water

Gasification boiler Blaze COMFORT



Variant with 860D TOUCH controller



	BC 15	BC 20	BC 25	BC 30
Adjustable output (kW)	7,5-15	10-20	12,5-25	15-30
Nominal output (kW)	15	20	25	30
Efficiency (%)	92	92	93	94
Emission class	5			
Ecodesign	yes			
Energy class	A+			
Log length (mm)	330	330	500	500
Stocking chamber volume (l)	80	80	120	120
Boiler weight (kg)	330	330	440	440
Maximum operating pressure (bar)	3			
Water volume (l)	40	40	55	55

Scan the first fire up →



	BC 15	BC 20	BC 25	BC 30
dimension (mm)				
A	1200	1200	1200	1200
B	530	530	714	714
C	402	402	586	586
D	∅147	∅147	∅147	∅147
E	89	89	89	89
F	972	972	972	972
G	250	250	250	250
H	87	87	87	87
I	240	240	240	240
J	177	177	177	177
K	644	644	644	644
L	897	897	897	897
M	108	108	108	108
N	G1/2"	G1/2"	G1/2"	G1/2"
O	G6/4"	G6/4"	G6/4"	G6/4"
P	G6/4"	G6/4"	G6/4"	G6/4"



- 🔥 Certified output adjustability 30-100% allows installation **WITHOUT** a buffer tank
- 🔥 Compact dimensions
- 🔥 Convenient price, low fuel consumption
- 🔥 Comfortable semi-automatic operation
- 🔥 Possibility of gravity connection
- 🔥 Three way air supply controlled automatically with lambda probe and actuator

Gasification boiler Blaze PRAKTIK

Boiler with possibility of installation **without a buffer tank**

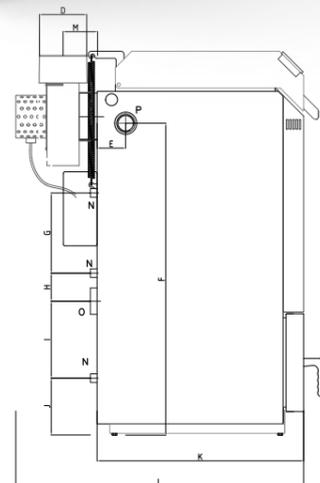
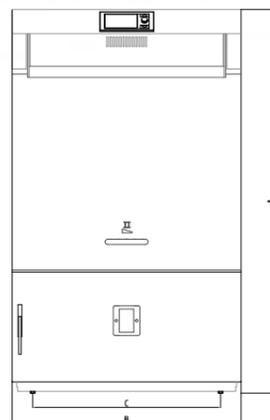
7 years warranty
on the boiler body



Variant with 860D TOUCH controller

	BP 25	BP 40
Nominal output (kW)	25	40
Adjustable output (kW)	7,5-25	12-40
Efficiency (%)	93	94
Emission class	5	
Ecodesign	yes	
Energy class	A+	
Log length (mm)	330	500
Stocking chamber volume (l)	80	120
Boiler weight (kg)	340	440
Maximum operating pressure (bar)	3	3
Water volume (l)	40	55

	BP 25	BP 40
	dimension (mm)	dimension (mm)
A	1200	1200
B	530	714
C	402	586
D	Ø147	Ø147
E	89	89
F	972	972
G	250	250
H	87	87
I	240	240
J	177	177
K	644	644
L	897	897
M	108	108
N	G1/2"	G1/2"
O	G6/4"	G6/4"
P	G6/4"	G6/4"



- 🔥 Insulated stainless steel large volume stocking chamber
- 🔥 Mechanical fuel detection
- 🔥 Integrated mixing of return water
- 🔥 Three way air supply controlled automatically with lambda probe and actuator
- 🔥 Control unit with touch control
- 🔥 Comfortable semi-automatic operation
- 🔥 Low consumption
- 🔥 Possibility of gravity connection

Gasification boiler Blaze HARMONY

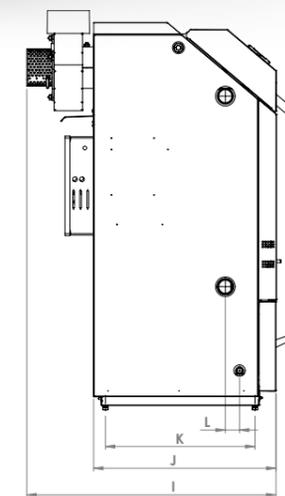
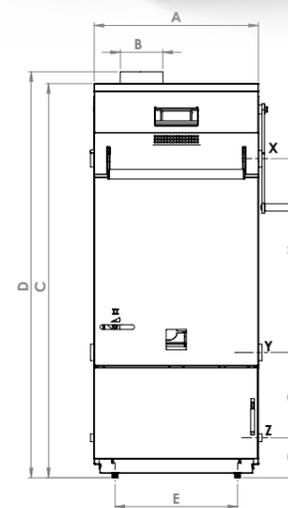
Innovative boiler with a large volume stocking chamber

7 years warranty
on the boiler body



	BH 18	BH 25	BH 33
Nominal output (kW)	18	25	33
Efficiency (%)	92	92	91
Emission class	5		
Ecodesign	yes		
Energy class	A+		
Log length (mm)	330	500	500
Stocking chamber volume (l)	100	150	150
Boiler weight (kg)	400	550	560
Maximum operating pressure (bar)	3		
Water volume (l)	50	60	60

Scan the first fire up →



	BH 18	BH 25	BH 33
	dimension (mm)	dimension (mm)	dimension (mm)
A	568	752	752
B	Ø147	Ø147	Ø147
C	1365	1365	1365
D	1404	1404	1404
E	424	608	608
F	138	138	138
G	295	295	295
H	670	670	670
I	880	880	880
J	640	640	640
K	526	526	526
L	50	50	50
X,Y	G6/4"	G6/4"	G6/4"
Z	G1/2"	G1/2"	G1/2"



Conversion of a gasification boiler to a combined boiler for wood and pellets

(applies to all models with ecoMAX860D touch control unit)

All of our gasification boilers are ready for later conversion to an automatic combination boiler, which also allows the combustion of pellets. This solution means increased comfort for the user after the installation of the pellet burner, when after the wood burns out, the boiler continues to operate automatically with pellets combustion.



TO CONVERT a wood boiler to an automatic wood and pellet boiler, simply purchase the conversion kit which includes:

- 1  rotary burner
- 2  lower boiler doors with burner opening
- 3  extension module for burner operation control

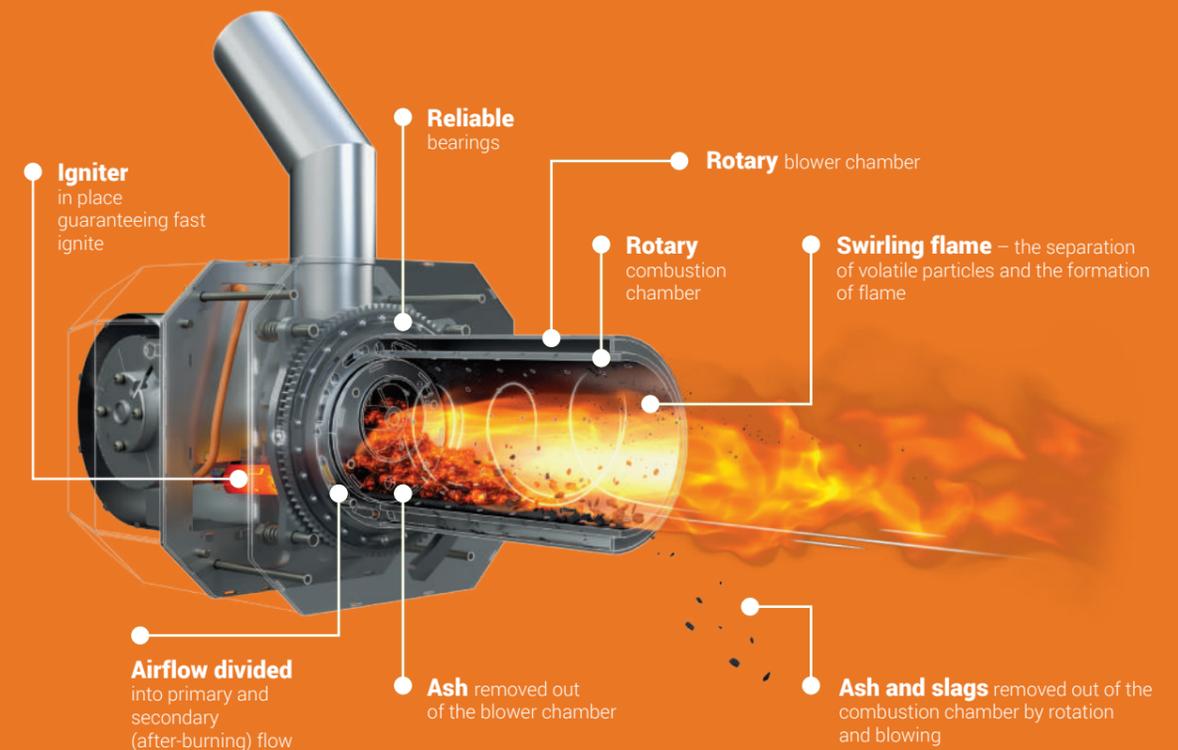
All the advantages of the BLAZE HARMONY, BLAZE COMFORT, BLAZE PRAKTIK and BLAZE GREEN boilers are extended by a rotary burner with automatic transition to pellet combustion.

This solution ensures continuous operation of the boiler heating with the possibility of simple switching to manual reloading, when the pellet burner is automatically switched off.

The special burner design with a rotary combustion chamber allows to burn pellets of even lower quality.

This combination of the ability to burn a variety of fuels in both manual and automatic mode makes our combi boilers the most universal boilers on the market.

With rotary burner for pellet combustion



Advantages of the burner with rotary combustion chamber

- 1 **The ingeniously designed burner design** allows burning of even lower quality pellets.
- 2 **Rotary combustion chamber**, maintenance-free pellet combustion solution. A check before the heating season is sufficient.
- 3 **Seamless combustion chamber**, 4 mm at the thinnest point. Only refractory tube, no welded parts.
- 4 **Modular design**, very simple and fast burner assembly and service. Quick access to all components.
- 5 **Bearing arrangement**, patented system. Longitudinal ball bearings with radial load transfer to ensure smooth burner speed operation without any metal/metal abrasion - load transfer to a minimum of 50 balls (depending on burner size). This means high durability for the user and service (lower bearing load) and no wear on the metal parts of the burner.
- 6 **Air distribution into primary and secondary combustion**, patented system that ensures higher combustion efficiency and the possibility of setting the optimal combustion for different types of pellets. From the output of 25 kW.
- 7 **Aeration chamber**, automatic cleaning of the aeration chamber is carried out by joint rotation of the combustion and aeration chamber. This method of automatic cleaning completely eliminates the need for manual cleaning. This eliminates regular burner disassembly and servicing. It ensures a clean chamber and overpressure in the burner.
- 8 **Burning of various pellets**, With this system all problems are eliminated, and process of combustion is optimized by distribution of primary and secondary air.
- 9 **Separating curtain in the combustion chamber**, There is an air curtain used in combustion chamber. This reduce the transfer of heat to burner and it means conservation of heat in the combustion chamber.
- 10 **The ribs in the aeration chamber**, on which the fireplace tube rests - its less load.
- 11 **The feeder safety sensor**, located directly in the feeding chamber, guarantees high safety in case of burner blockage.
- 12 **Fully automatic**, unattended and maintenance-free operation.

- 🔥 All the advantages of the Blaze GREEN gasifying boiler are complemented by a pellet burner
- 🔥 Automatic changeover to pellet combustion
- 🔥 Rotary combustion chamber, maintenance-free operation
- 🔥 Trouble-free combustion of pellets even of lower quality
- 🔥 Possibility of burning crushed pits and nutshells
- 🔥 Choice of volume and type of pellet hopper

Combined boiler Blaze GREEN COMBI

for wood and pellets

7 years
warranty
on the boiler body



Wood fuel	BGC 17	BGC 24
CO (13% O ₂) [mg/m ³]	22	19
OGC/THC (13% O ₂) [mg/m ³]	<1	<1
NOx (13% O ₂) [mg/m ³]	115	110
Dust (13% O ₂) [mg/m ³]	13	14

Pellet fuel	BGC 17	BGC 24
CO (13% O ₂) [mg/m ³]	46	46
OGC/THC (13% O ₂) [mg/m ³]	1	1
NOx (13% O ₂) [mg/m ³]	113	114
Dust (13% O ₂) [mg/m ³]	10	12

	BGC 17	BGC 24
Adjustable wood power (kW)	8,9–18	12,7–26
Rated wood power (kW)	18	26
Adjustable pellet power (kW)	5–20	5–25
Rated pellet power (kW)	15	20
Wood/pellets efficiency (%)	91/94	91/94
Emission class	5	
Ecodesign	yes	
Energy class	A+	
Log length (mm)	330	500
Pellet diameter (mm)	6–8	
Stocking chamber volume (l)	80	120
Boiler weight (kg)	360	470
Maximum operating pressure (bar)	3	
Water volume (l)	40	55
Fuel tank capacity (l)	optional	

For dimensions see Blaze Comfort COMBI 15 kW and 25 kW

- 🔥 All the advantages of the Blaze COMFORT gasifying boiler are complemented by a pellet burner
- 🔥 Automatic changeover to pellet combustion
- 🔥 Rotary combustion chamber, maintenance-free operation
- 🔥 Trouble-free combustion of pellets even of lower quality
- 🔥 Possibility of burning crushed pits and nutshells
- 🔥 Choice of volume and type of pellet hopper

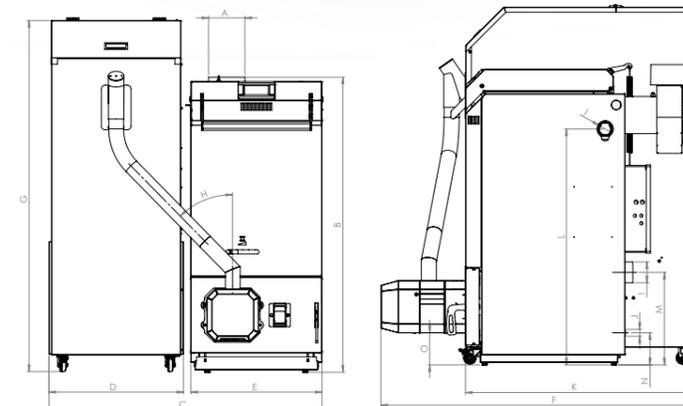
Combined boiler Blaze COMFORT COMBI

for wood and pellets

7 years
warranty
on the boiler body



	BCC 15	BCC 20	BCC 25	BCC 30
Adjustable wood power (kW)	7,5–15	10–20	12,5–25	15–30
Rated wood power (kW)	15	20	25	30
Adjustable pellet power (kW)	4–15	5–20	5–25	5–25
Rated pellet power (kW)	15	20	20	20
Wood/pellets efficiency (%)	92/94	92/94	93/94	94/94
Emission class	5			
Ecodesign	yes			
Energy class	A+			
Log length (mm)	330	330	500	500
Pellet diameter (mm)	6–8			
Stocking chamber volume (l)	80	80	120	120
Boiler weight (kg)	360	360	470	470
Maximum operating pressure (bar)	3	3	3	3
Water volume (l)	40	40	55	55
Fuel tank capacity (l)	optional			



	BCC 15	BCC 20	BCC 25	BCC 30
	dimension (mm)	dimension (mm)	dimension (mm)	dimension (mm)
A	Ø147	Ø147	Ø147	Ø147
B	1193	1193	1193	1193
C	1104	1104	1288	1288
D	544	544	544	544
E	530	530	714	714
F	1294	1294	1294	1294
G	1417	1417	1417	1417
H	45°	45°	45°	45°
I	G6/4"	G6/4"	G6/4"	G6/4"
J	G1/2"	G1/2"	G1/2"	G1/2"
K	956	956	956	956
L	937	937	937	937
M	367	367	367	367
N	127	127	127	127
O	127	127	127	127



- 🔥 All the advantages of the Blaze PRAKTIK gasifying boiler are complemented by a pellet burner
- 🔥 Automatic changeover to pellet combustion
- 🔥 Rotary combustion chamber, maintenance-free operation
- 🔥 Trouble-free combustion of pellets even of inferior quality
- 🔥 Possibility of burning crushed pits and nutshells
- 🔥 Choice of volume and type of pellet hopper

Combined boiler Blaze PRAKTIK

COMBI

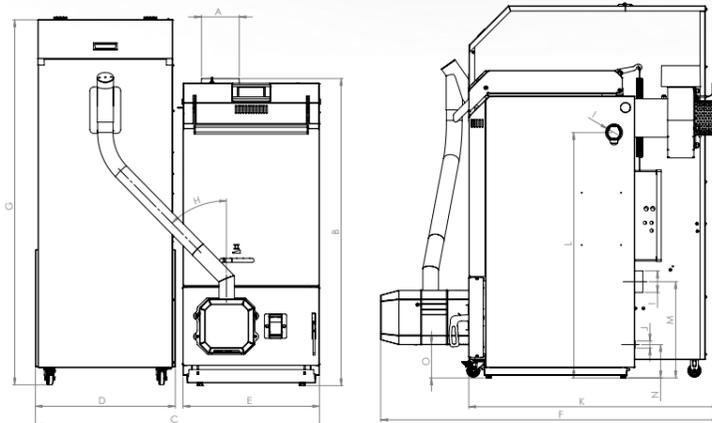
for wood and pellets

7 years warranty
on the boiler body



	BPC 25	BPC 40
Adjustable wood power (kW)	7,5-25	12-40
Rated wood power (kW)	25	40
Adjustable pellet power (kW)	5-20	5-25
Rated pellet power (kW)	15	20
Wood/pellets efficiency (%)	93/94	94/94
Emission class	5	
Ecodesign	yes	
Energy class	A+	
Log length (mm)	330	500
Pellet diameter (mm)	6-8	
Stocking chamber volume (l)	80	120
Boiler weight (kg)	370	470
Maximum operating pressure (bar)	3	3
Water volume (l)	40	55
Fuel tank capacity (l)	optional	

	BPC 25	BPC 40
	dimension (mm)	dimension (mm)
A	Ø147	Ø147
B	1193	1193
C	1104	1288
D	544	544
E	530	714
F	1294	1294
G	1417	1417
H	45°	45°
I	G6/4"	G6/4"
J	G1/2"	G1/2"
K	956	956
L	937	937
M	367	367
N	127	127
O	127	127



- 🔥 All the advantages of the Blaze HARMONY gasifying boiler are complemented by a pellet burner
- 🔥 Automatic changeover to pellet combustion
- 🔥 Rotary combustion chamber, maintenance-free operation
- 🔥 Trouble-free combustion of pellets even of lower quality
- 🔥 Possibility of burning crushed pits and nutshells
- 🔥 Choice of volume and type of pellet hopper

Combined boiler Hybrid BIOMASS

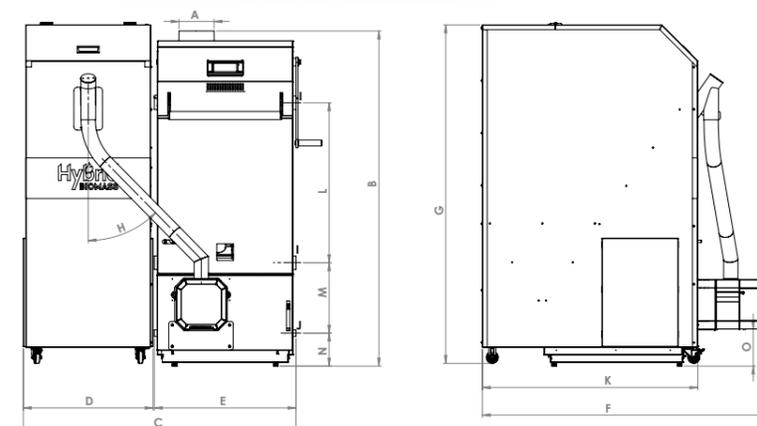
for wood and pellets

7 years warranty
on the boiler body



	HB 18	HB 25	HB 33
Rated wood power (kW)	18	25	33
Adjustable pellet power (kW)	5-18	6-25	6-25
Rated pellet power (kW)	18	25	25
Efficiency (%)	92	92	91
Emission class	5		
Ecodesign	yes		
Energy class	A+		
Log length (mm)	330	500	500
Pellet diameter (mm)	6-8		
Stocking chamber volume (l)	100	150	150
Boiler weight (kg)	430	580	590
Maximum operating pressure (bar)	3		
Water volume (l)	50	60	60
Fuel tank capacity (l)	optional		

	HB 18	HB 25	HB 33
	dimension (mm)	dimension (mm)	dimension (mm)
A	Ø147	Ø147	Ø147
B	1404	1404	1404
C	1262	1462	1462
D	544	544	544
E	594	794	794
F	1232	1253	1253
G	1417	1417	1417
H	51°	51°	51°
I	G6/4"	G6/4"	G6/4"
J	G1/2"	G1/2"	G1/2"
K	903	903	903
L	670	670	670
M	295	295	295
N	138	138	138
O	155	145	145



- Combustion controlled by boiler exhaust fan and air flow meter
- Door opening sensor = safety
- High efficiency of up to 95% ensures low fuel consumption
- Compact dimensions with integrated fuel tank for small boiler rooms
- Also available without fuel tank
- Control unit with touch control
- Integrated pump group (optional accessory)
- Automatic ash removal (optional accessory)

Automatic pellet boiler

ROTARY
COMPACT PELL

5 YEAR
warranty
on the boiler body



Unique solution of these boilers lies in their method of operation and power modulation.

The modulation of the boiler output is ensured by the speed changes of the integrated exhaust fan based on the information obtained from the air flow meter and 100% tightness of the boiler body. The boiler combustion chamber is under constant vacuum, which ensures maximum safety of its operation without the risk of fuel burn-through into the tank.

The air flow meter ensures, together with the exhaust fan, a constant flow of combustion air according to the selected output. In practice, this means that even if the chimney or heat exchanger becomes clogged, combustion is still efficient and environmentally friendly as the exhaust fan increases its output. This makes installation and commissioning of the boiler easier. There is no need to manually adjust the fan. Similar function to a lambda probe, with lower purchase and running costs.

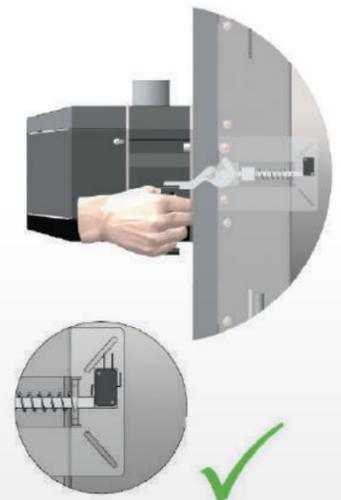
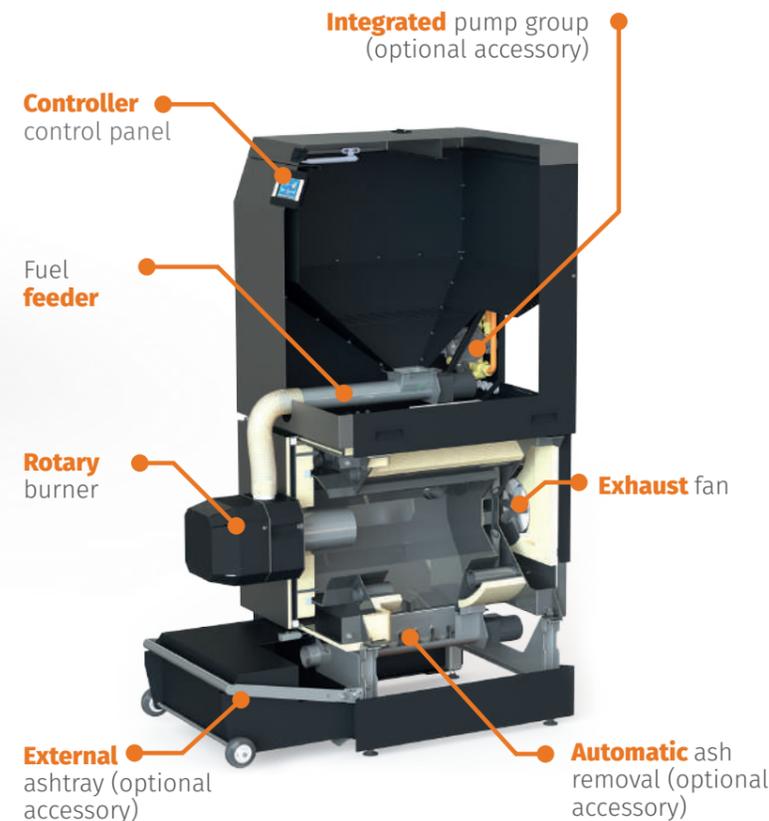
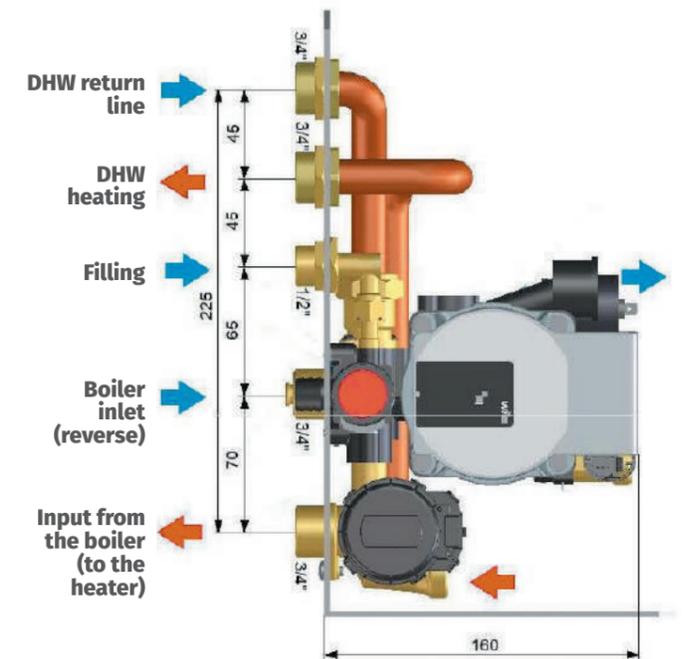
All the advantages and benefits of the rotary burner are listed on page 11.

	RP C15	RP C20	RP C25	RP C30
Adjustable pellet power (kW)	4-15	5-20	6-25	7-29
Rated pellet power (kW)	14,5	20	25	29
Efficiency (%)	95	95	95	95
Emission class	5			
Ecodesign	yes			
Energy class	A+			
Pellet diameter (mm)	6-8			
Boiler weight (kg)	220	280	280	340
Maximum operating pressure (bar)	3			
Water volume (l)	43	55	55	67
Fuel tank capacity (l)	150	200	200	230

The integrated pump group installed under the fuel tank serves for quick, convenient and easy connection of the boiler to the heating system. This solution also saves cost on boiler installation and provides an aesthetic solution for the boiler room.

The set contains functional and safety features such as:

- Boiler pump
- valve for DHW heating
- thermostatic mixing valve for return water protection
- safety valve
- barometer
- filling valve



The door opening sensor is another element ensuring the safety of the boiler operation. Whether it is when the front door is not fully closed after cleaning the boiler or when the operator opens the boiler door during operation. The door safety sensor immediately sends a signal to the control unit, which activates the alarm and initiates further actions to ensure safety. It deactivates the fuel feed, increases the power of the exhaust fan to 100% of the power.



- High output - suitable for hotels, production halls, schools, and commercial buildings with higher heat loss
- Easy operation and service
- Automatic ash removal
- Control unit with touch control

Automatic pellet boiler

ROTARY
INDUSTRIAL PELL

5 YEAR
warranty
on the boiler body

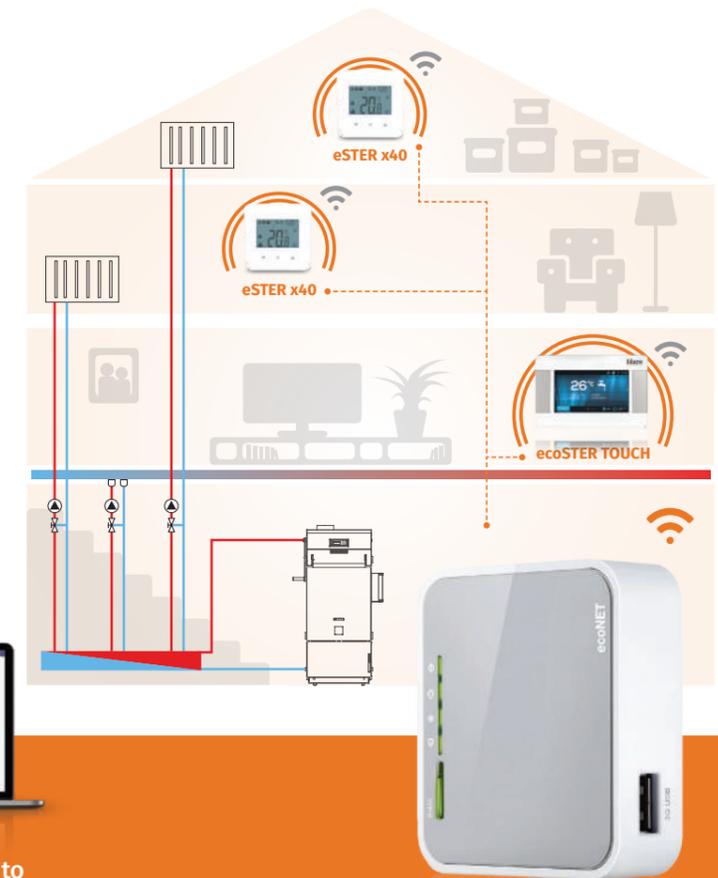


Rotary PELL INDUSTRIAL

The Rotary PELL INDUSTRIAL series boilers have been designed to cover the heat losses of larger buildings while maintaining compact dimensions, simple operation and low maintenance. All the benefits and advantages of the rotary burner are listed on page 11.

	RPI 70	RPI 100	RPI 150	RPI 200	RPI 250	RPI 300
Adjustable pellet power (kW)	21-70	30-100	45-150	60-200	50-250	90-300
Nominal output (kW)	70	100	150	200	250	300
Efficiency (%)	95,5	90,9	91,3	92,1	90,5	92,4
Emission class	5					
Ecodesign	yes					
Energy class	A+					
Pellet diameter (mm)	6-8					
Weight of boiler without burner (kg)	570	880	1185	1385	1650	1800
Maximum operating pressure (bar)	3					
Water volume (l)	250	445	720	930	1180	1320
Fuel tank capacity (l)	optional					
Safety cooling loop	optional					

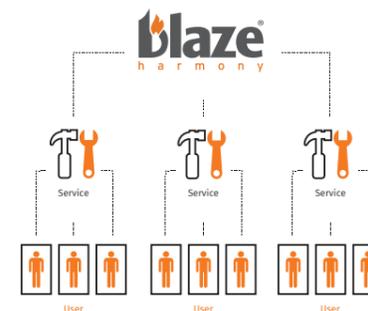
On-line boiler and heating system management



The ecoNET internet system allows the user to remotely manage and monitor the boiler and heating system. Thanks to this system, the user has the possibility to change the parameters of the boiler and heating system, but also to view the history of the boiler and heating system operation, which is displayed on a clear graph.

Remote access to the controller is possible from any device that is connected to the internet, whether it is a tablet, computer or mobile phone. Setup is via a web browser at www.econet24.com or via the mobile app, which is available for Android and iOS.

Other controller accessories:



Online service. The Internet system does not only serve the user. It can also be used by the service company, which can access the boiler data and, if necessary, intervene in the heating system settings or boiler control and thus significantly reduce service costs.



ecoSTER90 TOUCH

The remote control panel with the ecoSTER TOUCH room thermostat function allows you to control and change the boiler settings from where the panel is installed, for example the living room.



ecoSTER40

Room thermostat with the possibility of setting basic parameters of the boiler and heating system.



Expansion module for controlling additional heating circuits

It allows control of two other mixing valves and their pumps. It also provides a function for controlling the DHW circulation pump.

Outdoor temperature sensor

For equithermal control of mixing circuits





About us

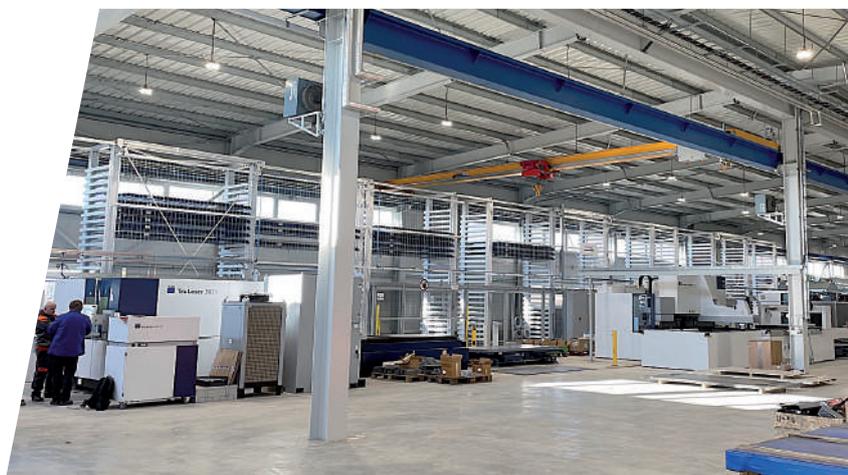
BLAZE HARMONY s.r.o. is a purely Czech family company, which focuses on research and development in the field of biomass combustion (wood, pellets, wood chips, etc.). In a short period of time, it has managed to register four pan-European patents, which are applied to innovative products with an excellent price-performance ratio.

The professional background and experienced team of researchers allows for the continuous development and expansion of the biomass boiler range and its continuous improvement.

PRODUCTION HALL IN TRNÁVKA

In 2021, the construction of a new production facility was completed. On an area of 3,500 m², production and distribution of products worldwide takes place. Outside the Czech Republic, BLAZE HARMONY boilers are sold for example on the markets in Germany, France, Poland, Italy, Austria, Chile, etc. The process of expanding exports to many other countries is ongoing.

The production process is automated using the latest production technologies, so-called Industry 4.0, with maximum use of robots in sheet metal processing, welding, etc. These production means ensure the high quality and reliability of BLAZE HARMONY products.



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