
ALFA PLAM
eco design
EN

# Standards

At the global market, quality is proven through continuous improvement of all segments of a company operation. Meeting the ISO standards is one of the requirements of participation at the European market. The quality management system of the Alfa-Plam company meets all the requirements of the SRPS ISO 9001:2008 standard, which consistent implementation includes: high product and services quality level, steady product development, bigger market share, higher profit and easier performance of tasks. Majority of the products meet the requirements of the following European and Russian standards:

## 15a-Bvg

Austrian protection measures for heaters.

## Ecodesign

A European directive defining the ecodesign requirements for energy-using products.

## GOST 9817-95

Russian standard for cookers and heaters fired by solid fuel.

## EN 13229

Inset appliances including open fires fired by solid fuels.

## EN 12815

European Standard for residential cookers fired by solid fuel.

## EN 13240

European Standard for heaters fired by solid fuel.

## EN 14785

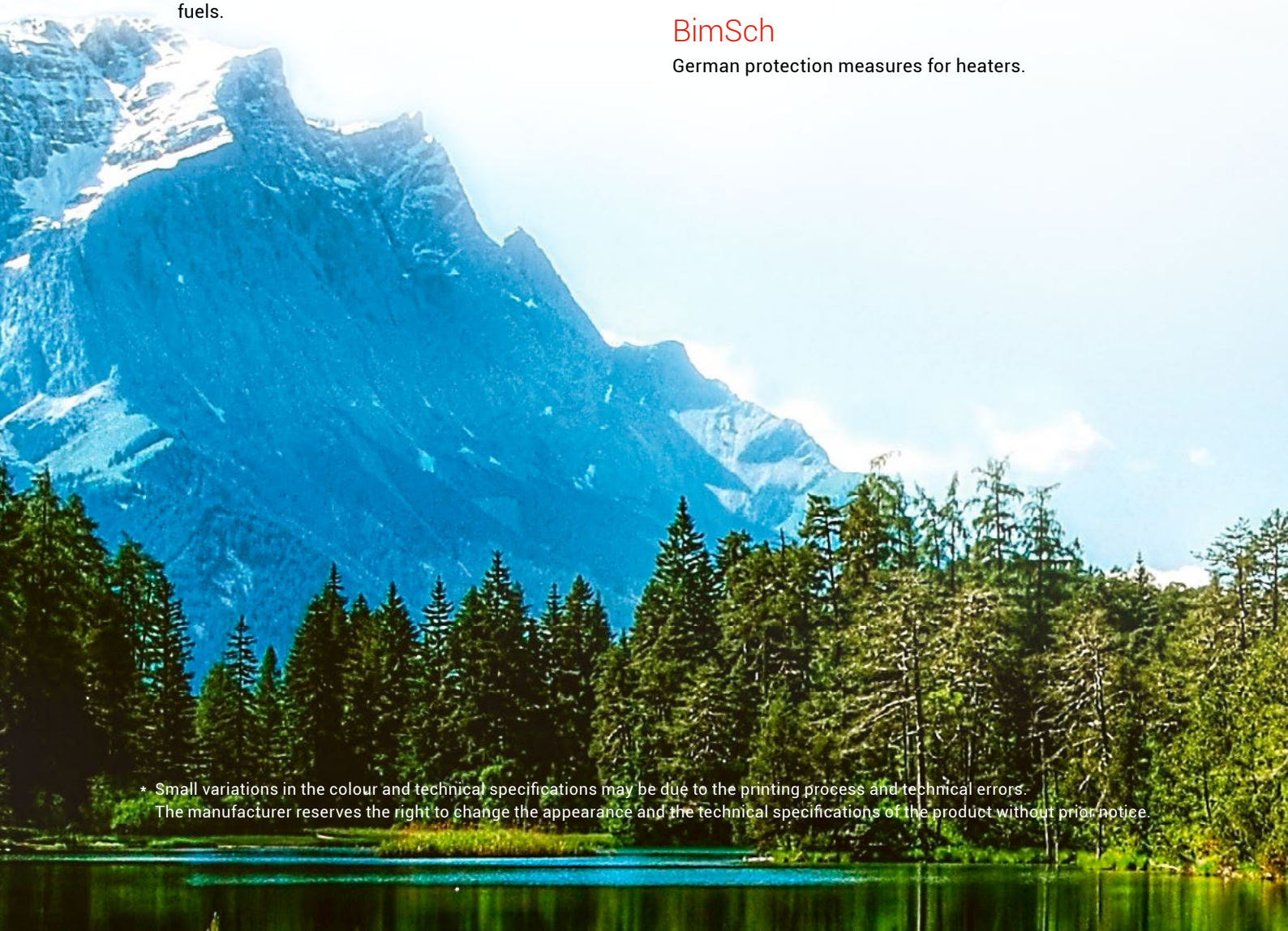
European Standard for residential space heating appliances fired by wood pellets.

## EN 303-5

European Standard for boilers.

## BimSch

German protection measures for heaters.



* Small variations in the colour and technical specifications may be due to the printing process and technical errors.
The manufacturer reserves the right to change the appearance and the technical specifications of the product without prior notice.

# Let’s reduce global warming with the use of biofuel!

The greenhouse effect and global warming could cause fatal consequences for all life on Earth. The climate changes would cause changes in flora and fauna, and thus, disturbances in the food chains. Glacier melting would lead to the rising of the global sea level and the flooding of areas populated by approximately one-third of the world population. The increased concentration of carbon dioxide in the atmosphere is considered to be the primary cause for global warming, no less than 50 to 55%. The main cause for increased concentration of this gas in the air is the usage of fossil fuels (coal, oil and gas) and deforestation.

Because of the above-mentioned, it is necessary to replace fossil fuels with low-carbon emission fuels. Biomass is a renewable energy source recognized as an alternative to fossil fuels. Biomass consists of plant waste and other materials created in a biological manner. The advantages of using biomass, in addition to being renewable and sustainable, are reflected in the absence of toxic substances and low-carbon emission. In fact, the carbon emission created by combustion is equal to the amount of gas absorbed during the life cycle of the plant meaning that the stress on the atmosphere is negligible.

Based on its state of aggregation, biomass can be: liquid, gaseous and solid. As a source of energy, biomass can be used directly or it can be transformed into another energy product such as biofuel.

Pellet fuel is the newest way to use the energy from biomass. Pellets basically represent wood industry waste which is processed under high pressure. A kilogram of pellets releases approximately 5 kWh of heat energy. The amount of energy we get by burning 2 kg of pellets is equivalent to that of 1 l of fuel oil. In addition to energy savings, pellets are also an ecologically acceptable raw material. By burning pellets, 1 % ash is created and the same amount of $CO_2$ that was used by the tree during its biological cycle. This is why pellets are considered to be carbon-neutral.

# Why use pellet?

Products that use pellet represent, from the ecological and technical point of view, the most suitable, most efficient and most perfect heating solution. In heating bodies that use pellets as fuel all operation processes are automatic (ignition, combustion, extinguishing) and regulated by means of modern electronics built-in into the product. In this manner a high level of efficiency is enabled, combustion is complete, constant temperature is maintained and thus the energy loses are minimal.

There is a display on the heating body through which desired parameters can be entered and the whole operation process monitored. The heating body operation programming is done on a weekly basis (time of ignition, extinguishing, room temperature). Another advantage is the possibility to install a control module through a mobile phone application which enables you to control the heating system even when you are not at home. The pellet is extracted from the hopper automatically by a reduction motor and auger and fed into the fire box which is in the combustion chamber. The pellet is ignited by heated air. Such air is supplied to the fire box by a fan which at the same time blows out flue gases through flue gas pipes and chimney into the atmosphere. The same fan sucks in the air from the room (which must be equipped with ventilation shaft) through the inflow air pipe. The fan operates without noise.

**The basic advantages of pellet heating:**

- The automatic system provides complete control on the management and maintenance.
- High efficiency saves energy and avoids the pollution of environment.
- Low emission and minimum amount of ash due to fuel characteristics and high utilization in the whole system.
- Fuel easy to transport and storage.



# About us

Alfa-Plam boasts the most sophisticated technology, halls and warehouses, which enable annual production of more than 180,000 units. Modern machines renowned European and world's producers are a part of the equipment that contributes to high quality product. The factory covers an area of more than 70,000 m², and currently employs m ore than 1,000 people.

The Alfa-Plam portfolio includes:

1) Pellet burning range cookers, stoves, and boilers.
2) Solid fuel burning boilers.
3) Solid fuel burning range cookers.
4) Solid fuel burning stoves and fireplaces.
5) Cookers, stoves, and fireplaces for central heating.
6) Electric and combined range cookers.
7) Gas products.
8) Calux premium sub-brand.

# Key facts

- № 1 in Europe by production of solid fuel burning range cookers.
- Among the top 5 producers of heating appliances in Europe.
- One of the few rare producers having 4 types of surface protection.
- Exporting to more than 40 countries worldwide.
- 70% of total sales are achieved in foreign markets.

# Timeline



**2017** — Record production of 180,000 units has been achieved.

**2015** — Alfa-Plam made a strategic step - the purchase of the Italian Calux brand whose whole portfolio has become a part of the Alfa-Plam brand.

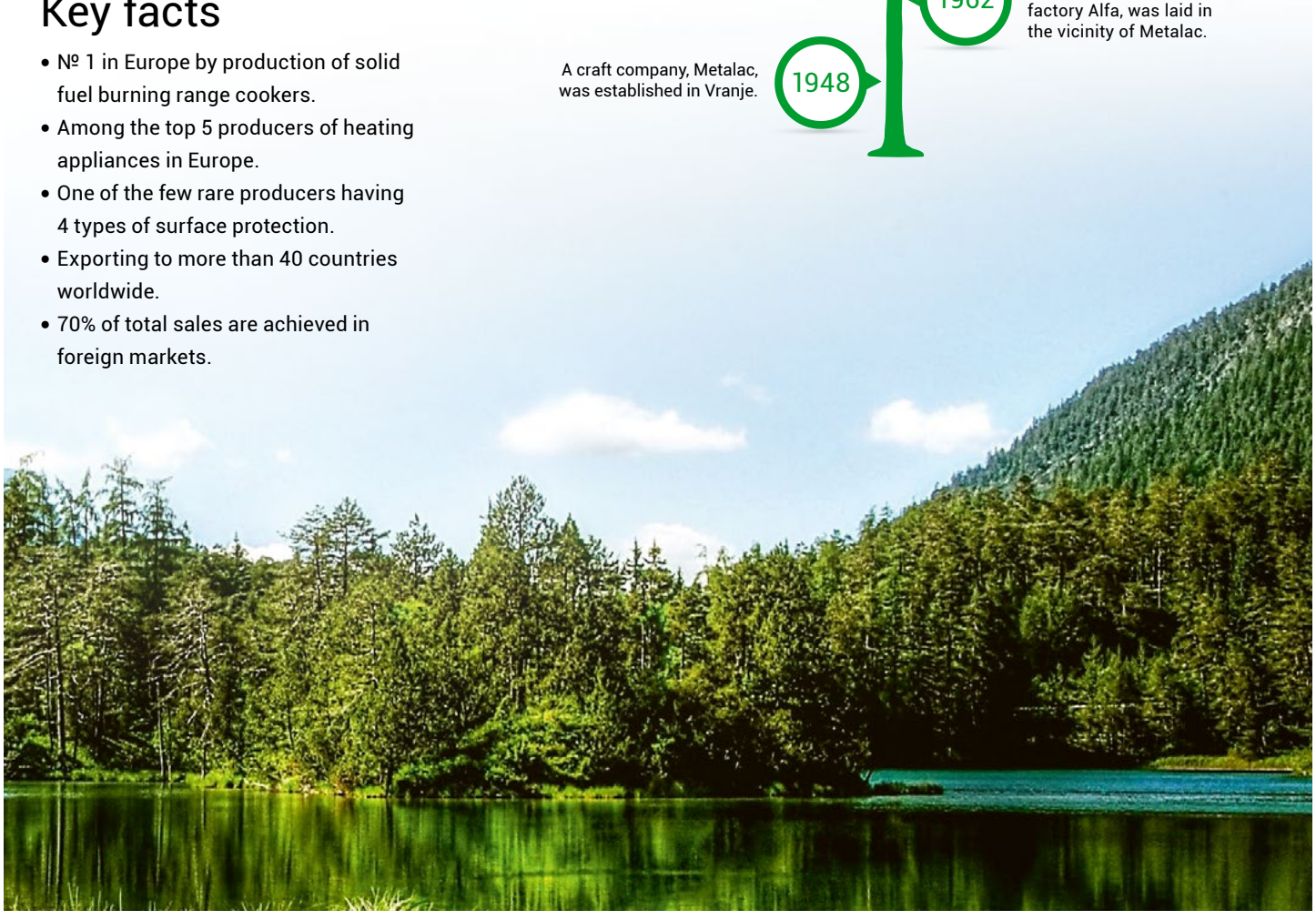
**2012** — Alfa-Plam got a majority shareholder, and changed its business, production, and selling philosophy.

**1990** — The company got its current name Alfa-Plam.

**1980** — The two companies merged under the name MIV-Metalna Industrija Vranje.

**1962** — The foundation for a metal packaging and equipment factory Alfa, was laid in the vicinity of Metalac.

**1948** — A craft company, Metalac, was established in Vranje.



# PELLET
stoves and range cookers



## LUCA 12

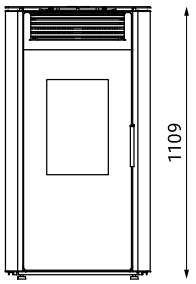
Pellet furnace of premium quality and modern design, adjusted to the needs of an urban life style. The use of quality materials and all embedded components guarantees a long lifetime of the product. The furnace is available in three modern colours in order to fully adapt to any modern ambiance.

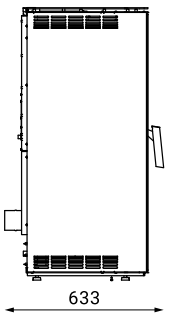
ecodesign

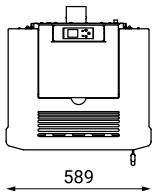


## LUCA 12



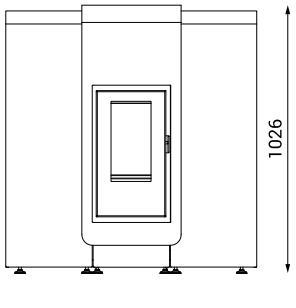



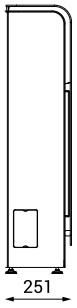



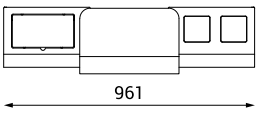




## XILA CFA




Remote control using Android and iOS applications (optional).




| technical specifications | LUCA 12 | XILA CFA |
|---|---|---|
| power | 12 kW | 7 kW |
| dimensions (WxDxH) | 589 x 633 x 1109 mm | 961 x 251 x 1026 mm |
| diameter of the flue extension | 80 mm | 80 mm |
| min/max pellet consumption | 0,9/2,7 kg/h | 0,92/1,45 kg/h |
| max operating time per full tank | 31,10 h | 19 h |
| pellet tank capacity | 28 kg | 18 kg |
| heating volume | 300 m³ | 175 m³ |
| heating area | 120 m² | 70 m² |
| net/gross weight | 158/184 kg | 128 / 160 kg |
| efficiency | 91 % | 93 % |

smoke exhaust: - on top, - in the back, - laterally

# PELLET
central heating



## **ALFA TERM** 20 PELLET

Multifunctional central heating pellet stove of excellent quality and design. This model is an ideal choice for those who wish to combine functionality, comfort, ecology and aesthetics.

ecodesign




COMMO 12




COMMO 15




COMMO




DINO 17/24/27




GRANDE




GRANDE 37

| technical specifications | COMMO 12 | COMMO 15 | COMMO | DINO 17 |
|---|---|---|---|---|
| power | 12 kW | 15 kW | 22,5 kW | 17 kW |
| dimensions (WxDxH) | 500 x 570 x 940 mm | 520 x 570 x 1010 mm | 574 x 620 x 1225 mm | 574 x 568 x 1237 mm |
| diameter of the flue extension | 80 mm | 80 mm | 80 mm | 80 mm |
| power of radiant heating | 1,5 kW | 2 kW | 4 kW | 1 kW |
| power transferred to water | 10,5 kW | 13 kW | 18,5 kW | 16 kW |
| quantity of water in the boiler | 27 l | 32 l | 32 l | 32 l |
| min/max pellet consumption | 0,8/2,5 kg/h | 1,2 / 3,5 kg/h | 2,03 / 4,53 kg/h | 1,3 / 3,7 kg/h |
| max operating time per full tank | 26,2 h | 21 h | 22 h | 35 h |
| pellet tank capacity | 21 kg | 25 kg | 45 kg | 45 kg |
| heating volume | 180-300 m3 | 225 - 375 m³ | 278-563 m³ | 255 - 425 m³ |
| heating area | 72-120 m2 | 90 - 150 m² | 111-225 m² | 102 - 170 m² |
| net/gross weight | 165 / 185 kg | 181 / 223 kg | 196 / 225 kg | 193 / 222 kg |
| efficiency | 97 % | 92 % | 92 % | 93 % |

| technical specifications | DINO 24 | DINO 27 | GRANDE | GRANDE 37 |
|---|---|---|---|---|
| power | 24 kW | 27 kW | 28 kW | 37 kW |
| dimensions (WxDxH) | 574 x 568 x 1237 mm | 574 x 568 x 1237 mm | 979 x 761 x 1400 mm | 979 x 761 x 1400 mm |
| diameter of the flue extension | 80 mm | 80 mm | 80 mm | 80 mm |
| power of radiant heating | 2 kW | 2 kW | - | - |
| power transferred to water | 22 kW | 25 kW | 28 kW | 37 kW |
| quantity of water in the boiler | 32 l | 32 l | 74 l | 72 l |
| min/max pellet consumption | 1,8 / 5,1 kg/h | 1,8 / 5,8 kg/h | 1,75 / 6,64 kg/h | 2,45 / 8,27 kg/h |
| max operating time per full tank | 25 h | 25,3 h | 114 h | 69 h |
| pellet tank capacity | 45 kg | 45 kg | 200 kg | 170 kg |
| heating volume | 360 - 600 m³ | 405 - 675 m³ | 420 - 700 m³ | 555 - 925 m³ |
| heating area | 144 - 240 m² | 162 - 270 m² | 168 - 280 m² | 222 - 370 m² |
| net/gross weight | 193 / 222 kg | 193 / 222 kg | 321 / 344 kg | 335 / 358 kg |
| efficiency | 94 % | 94 % | 91 % | 93 % |

smoke exhaust: - on top, - in the back, - laterally




# GRANDE 37 LUX

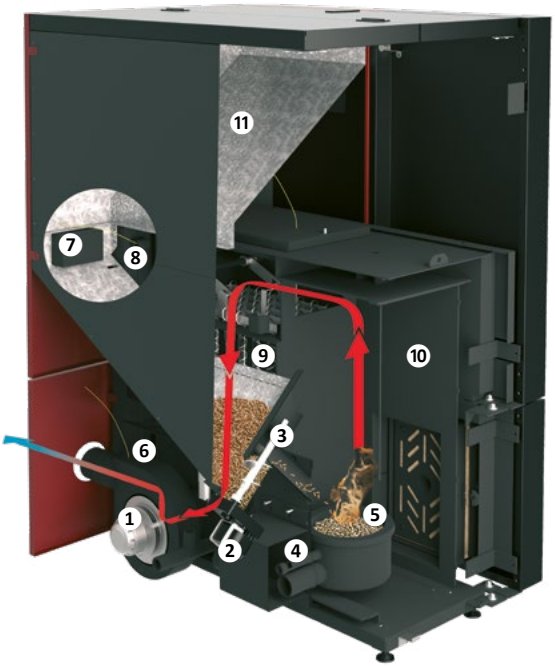
NEW

A central heating Pellet boiler of exceptional quality and outstanding performances. The most efficient source of reliable and safe heating for bigger residential units. Is characterized by a big pellet container and an innovative semi-automatic cleaning mode.

The boiler has the innovative LCD-TFT colour control panel, with multi-touch screen and sophisticated touch-sensitive colour display. The screen has the option of detailed and colourful graphic display of specific hydraulic plants and moving motors and fans.

5 YEAR WARRANTY ON THE BOILER

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1. Flue gases fan
2. Reduction motor
3. Auger
4. Ignitor
5. Fire box
6. Flue gases temperature probe
7. Safety thermostat
8. Water temperature probe
9. Turbulators
10. Boiler
11. Pellet hopper (tank)

# Advantages

- Automatic tubulator cleaning system
- Cutting-edge LCD Touch Panel.
- Boiler made out of boiler sheet metal, thermally isolated with mineral wool, with a 5-year warranty.
- Advanced electronics and additional components enable a controlled burning process and adjustments of the furnace's performance according to the quality of pellets and the airflow in the chimney.
- Optional attachment of an additional pellet reservoir with a pellet level sensor.
- Options for sanitary water heating (in the boiler) and connection to the floor heating system.
- Large capacity pellet container enabling greater operational autonomy.
- Remote control through android and IOS applications (optional).

| technical specifications | **GRANDE** 37 LUX |
|---|---|
| power | 37 kW |
| dimensions (WxDxH) | 979 x 761 x 1400 mm |
| diameter of the flue extension | 80 mm |
| power of radiant heating | - |
| power transferred to water | 37 kW |
| quantity of water in the boiler | 72 l |
| min/max pellet consumption | 2,45 / 8,27 kg/h |
| max operating time per full tank | 69 h |
| pellet tank capacity | 170 kg |
| heating volume | 555 - 925 m³ |
| heating area | 222 - 370 m² |
| net/gross weight | 335 / 358 kg |
| efficiency | 93 % |

smoke exhaust: - on top, - in the back, - laterally





**COMMO** COMPACT15



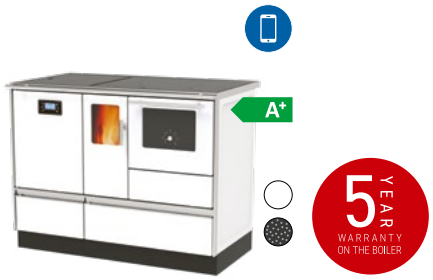

**COMMO** COMPACT




**COMMO** COMPACT 32/37




**ALFA TERM** 20 PELLET




| technical specifications | **COMMO** COMPACT15 | **COMMO** COMPACT | **COMMO** COMPACT 32 | **COMMO** COMPACT 37 |
|---|---|---|---|---|
| power | 15 kW | 23 kW | 32 kW | 37 kW |
| dimensions (WxDxH) | 590 x 700 x 1080 mm | 590 x 642 x 1222 mm | 676 x 830 x 1506 mm | 676 x 830 x 1506 mm |
| diameter of the flue extension | 80 mm | 80 mm | 100 mm | 100 mm |
| power of radiant heating | - | - | - | - |
| power transferred to water | 15kw | 23 kW | 32 kW | 37 kW |
| quantity of water in the boiler | 32l | 35,5 l | 68 l | 68 l |
| min/max pellet consumption | 1,03 / 3,55 kg/h | 1,48 / 5,5 kg/h | 2,13 / 7,14 kg/h | 2,13 / 8,36 kg/h |
| max operating time per full tank | 38,7 h | 30 h | 33 h | 33 h |
| pellet tank capacity | 40 kg | 45 kg | 70 kg | 70 kg |
| heating volume | 225-375 m3 | 345 - 575 m³ | 480 - 800 m³ | 555 - 925 m³ |
| heating area | 90-150 m2 | 138 - 230 m² | 190 - 320 m² | 222 - 370 m² |
| net/gross weight | 215 / 235 kg | 230 / 259 kg | 360 / 380 kg | 360 / 380 kg |
| efficiency | 88 % | 90 % | 90 % | 90 % |

| technical specifications | **ALFA TERM** 20 PELLET | **XILA** CFH |
|---|---|---|
| power | 20 kW | 17 kW |
| dimensions (WxDxH) | 1100 x 600 x 850 mm | 1002 x 284 x 1088 mm |
| dimensions of the oven (WxDxH) | 330 x 440 x 260 mm | - |
| diameter of the flue extension | 80 mm | 80 mm |
| power of radiant heating | 5 kW | 3 kW |
| power transferred to water | 15 kW | 14 kW |
| quantity of water in the boiler | 35 l | 25 l |
| min/max pellet consumption | 1,32 / 4,75 kg/h | 1,31/3,91 kg/h |
| max operating time per full tank | 20 h | 28,5 h |
| pellet tank capacity | 30 kg | 20 kg |
| heating volume | 300 - 500 m³ | 245 - 425 m³ |
| heating area | 120 - 200 m² | 98 - 170 m² |
| net/gross weight | 210 / 238 kg | 195/230 kg |
| efficiency | 90 % | 93 % |

smoke exhaust: - on top, - in the back, - laterally




# **XILA** CFH

A pellet stove for central heating of unique design and elegant lines gives impression of exclusivity. Applying the state-of-the-art technology allows running of a comfortable and low-cost heating system that fully meets the requirements imposed by urban lifestyles.

# SOLID FUEL
stoves and fireplaces



## AMELIA

Solid fuel stove of elegant design with firebox door of cast iron. The supply of secondary and tertiary air to the firebox enables cleaner combustion. The view of the warm flame through the large glass surface creates a special atmosphere in the room.

ecodesign



NEW




GALA




RUSTIK




RUSTIKAL

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PROTOTYPE




AMELIA




DORMO R




ELITA 2




ELITA 3

| technical specifications | GALA | RUSTIK | RUSTIKAL | DORMO R | AMELIA |
|---|---|---|---|---|---|
| power | 8 kW | 11 kW | 11 kW | 11 kW | 8 kW |
| dimensions (WxDxH) | 599 x 430 x 979 mm | 720 x 440 x 820 mm | 720 x 440 x 820 mm | 750 x 400 x 800 mm | 455 x 445 x 875 mm |
| diameter of the flue extension | ⊔⊓ 120 mm | ⊓ 120 mm | ⊓ 120 mm | ⊓ 120 mm | ⊔⊓ 120 mm |
| heating volume | 200 m³ | 275 m³ | 275 m³ | 275 m³ | 200 m³ |
| heating area | 80 m² | 110 m² | 110 m² | 110 m² | 80 m² |
| net/gross weight | - | 124 / 137 kg | 125 / 138 kg | 110 / 123 kg | 105 / 122 kg |
| efficiency | 76 % | 79 % | 79 % | 79 % | 81,5 % |

| technical specifications | ELITA 2 | ELITA 3 |
|---|---|---|
| power | 6,5 kW | 8 kW |
| dimensions (WxDxH) | 455 x 471 x 905 mm | 455 x 484 x 905 mm |
| diameter of the flue extension | ⊔ 120 mm | ⊔ 120 mm |
| heating volume | 163 m³ | 200 m³ |
| heating area | 65 m² | 80 m² |
| net/gross weight | 67 / 79 kg | 85 / 97 kg |
| efficiency | 84 % | 83% |

smoke exhaust: ⊔ - on top, ⊓ - in the back, ⊐ - laterally

# SOLID FUEL
range cookers



## FUTURO L

Enjoy the warmth of your home and preparing food on a uniquely designed stove. The frontal side covered in ceramic and tempered glass resistant to high temperatures adds to the elegance of this model. A locking safety mechanism enables easy closing of the burn pot and oven doors. Telescope sliders with a brake enable easy movement of the drawer in the lower part of the stove. Optional instalment of the ceramic cooktop.

ecodesign

**FUTURO** L




**ALFA 70** DOMINANT




**ALFA 90** H DOMINANT




| technical specifications | **FUTURO** L | **ALFA 70** DOMINANT | **ALFA 90** H DOMINANT |
|---|---|---|---|
| power | 5 kW | 7 kW | 7 kW |
| dimensions (WxDxH) | 866 x 600 x 860 mm | 700 x 600 x 850 mm | 900 x 600 x 850 mm |
| dimensions of the oven (WxDxH) | 330 x 440 x 260 mm | 330 x 440 x 260 mm | 460 x 440 x 260 mm |
| diameter of the flue extension | 120 mm | 120 mm | 120 mm |
| heating volume | 125 m³ | 175 m³ | 175 m³ |
| heating area | 50 m² | 70m² | 70 m² |
| net/gross weight | 185 / 203 kg | 110 / 127 kg | 125 / 144 kg |
| efficiency | 78 % | 84% | 84% |

smoke exhaust: - on top, - in the back, - laterally

**DONNA 70**




**DONNA 90**




**ALFA 70** FAVORIT




**ALFA 90** H FAVORIT




| technical specifications | **DONNA 70** | **DONNA 90** | **ALFA 70** FAVORIT | **ALFA 90** H FAVORIT |
|---|---|---|---|---|
| power | 5 kW | 5 kW | 7,5 kW | 7,5 kW |
| dimensions (WxDxH) | 700 x 600 x 850 mm | 900 x 600 x 850 mm | 700 x 600 x 850 mm | 900 x 600 x 850 mm |
| dimensions of the oven (WxDxH) | 330 x 440 x 260 mm | 460 x 440 x 260 mm | 330 x 440 x 260 mm | 460 x 440 x 260 mm |
| diameter of the flue extension | 120 mm | 120 mm | 120 mm | 120 mm |
| heating volume | 125 m³ | 125 m³ | 188 m³ | 188 m³ |
| heating area | 50 m² | 50 m² | 75 m² | 75 m² |
| net/gross weight | 110 / 127 kg | 126 / 145 kg | 110 / 127 kg | 127 / 146 kg |
| efficiency | 79 % | 79 % | 81,5 % | 81,5 % |

smoke exhaust: - on top, - in the back, - laterally

# Ceramic hotplate

optional




NEW




**INOX 75**

NEW




**ALFA** 85 G

| technical specifications | **INOX 75** | **ALFA 85** G |
|---|---|---|
| power | 6 kW | 8 kw |
| dimensions (WxDxH) | 750 x 600 x 850 mm | 850 x 613 x 887 mm |
| dimensions of the oven (WxDxH) | 330 x 440 x 260 mm | 460 x 440 x 260 mm |
| diameter of the flue extension | 120 mm | 120 mm |
| heating volume | 150 m³ | 200 m³ |
| heating area | 60 m² | 80 m² |
| net/gross weight | 122 / 139 kg | 125 / 145 kg |
| efficiency | 82,5% | 83 % |

smoke exhaust: - on top, - in the back, - laterally



# ACCESSORIES

## ASH VACUUM CLEANER

Filtration with five-layer protection system:

• Fireproof ceramic fibre bag
• Canvas ruffled bag
• Canvas ruffled bag for the motor
• Suction micro-filter
• Exhaust micro-filter

- Appliance load indicator
- Safety air valve




red

W 1200 L 20

## PELLET TANK

The auxiliary pellet tank, compact in size, was designed to operate with Commo Compact 32 and Commo Compact 37 boilers.

The tank capacity is 280 kg of pellet. The large tank capacity allows high boiler autonomy.

The pellet level sensor, which is factory-installed in the boiler, connects to an auxiliary pellet tank and allows 3-5 days of boiler operation without supervision by the user.




black

dimensions: 676 x 830 x 1506 mm
tank capacity: 280 kg
net/gross weight: 360 / 380 kg

## FLUE PIPES

for solid fuel



anthracite
red
brown
beige
white

width: ø118 / ø150 / ø160
height: 1 x 0.5 m / 1 x 1 m / 2x curves

## FLUE PIPES

for pellet



black

width: ø 80 / ø100
height: 2 x 1 m / 1 x 0.25 m / 1 x knee / 1 x rosette and T branch

## WI FI MODULE M

The Alfa Plam-M app is intended for Commo family stoves: COMMO 12, COMMO 15, COMMO 21, COMMO COMPACT (all models).

Alfa Plam-M is an app that allows you to communicate with your pellet stove using the Internet and mobile phone.

By downloading the free app from the Play I App store, you will get a new remote platform that allows you to control your heating at home remotely from anywhere.




black

## WI FI MODULE T

The Alfa Plam-T app is intended for models: LUCA S, LUCA 12, DINO 17/27, GRANDE 28/37, COMPACT 32/37, ALFA TERM 20 PELET.

Alfa Plam-T is an app that allows you to communicate with your pellet stove using the Internet and mobile phone.

By downloading the free app from the Play I App store, you will get a new remote platform that allows you to control your heating at home remotely from anywhere.




black




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