



**CSTHERMOS**  
BIOMASS STOVES



 CSTHERMOS

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Also wood pellet is biomass.

## A BIT OF HISTORY FROM TARCISIO TO SIGISMONDO

Since always, by choice, we deal with heat.  
We have more than 30 years of experience and knowledge in the field of heat. Founded in 1987 by Tarcisio Canzian, as a manufacturer of gas and gas oil boilers and stoves, from 1997 CS Thermos specializes in the field of pellet stoves.

The curiosity of his son, Sigismondo, and the continuous research to innovation, led the company to embrace the largest world of biomass and ecology. We strongly believe that this new combustion technology, unique of its kind, improves our lives by offering us a healthy and natural heat, a wellness and a practicality in step with the times. Changing, for passion.

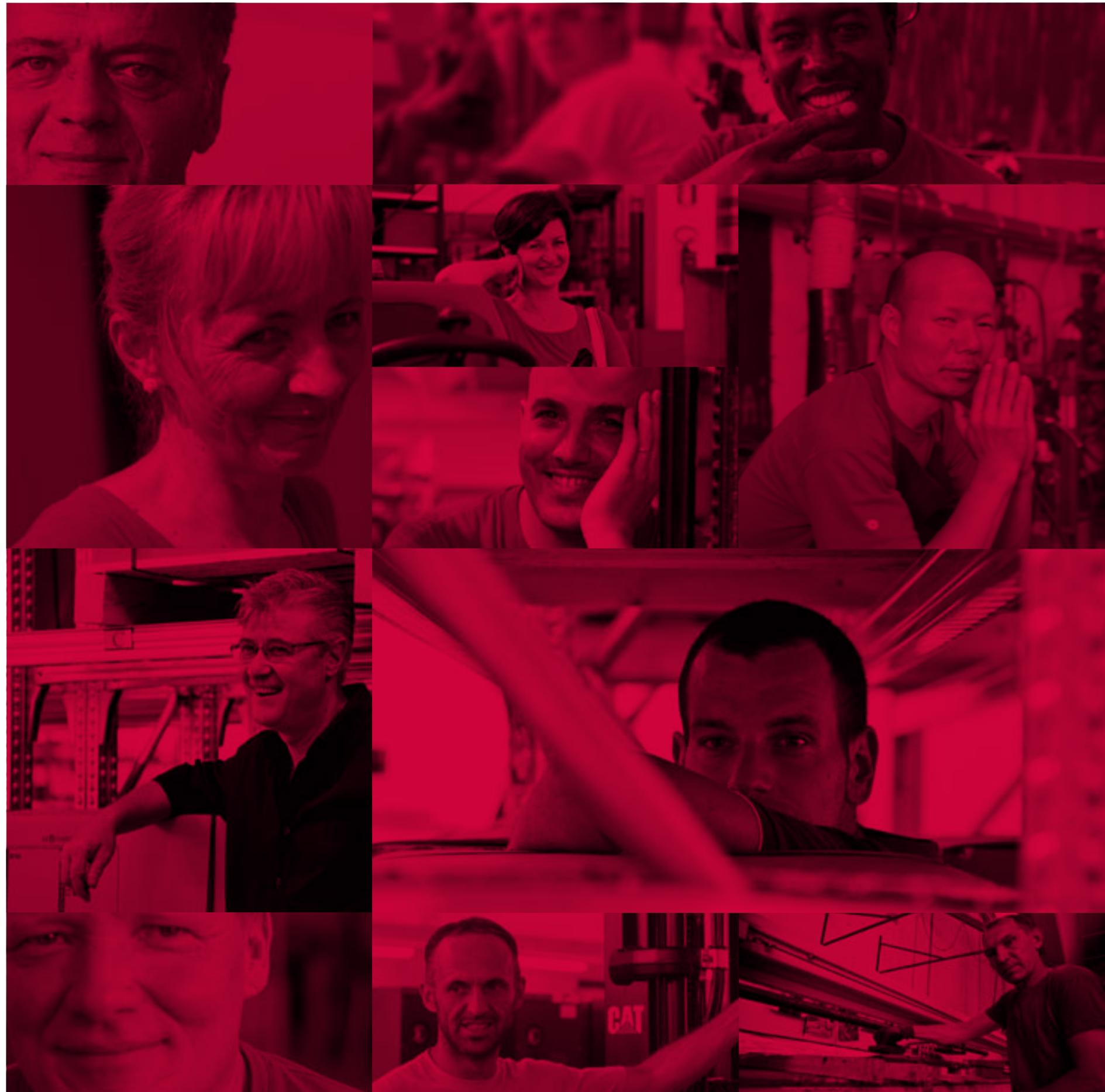


1987  
2017  
30 anni  
insieme

# A SMILING COMPANY

## AN ITALIAN PROJECT

We believe in teamwork and we make sure that everything is done in the right way. A team of specialists works with enthusiasm to the constant research for innovation: our products, cutting-edge and built with accurate attention to details, reflect this passion. We are promoters of Made in Italy abroad, without giving up to our craftsmanship.





## HOW WE WORK

### WE REUSE ENERGY SOURCES

We manufacture stoves and boilers that burn pellets, biomass and wood.

We imagine them for our home, we conceive and create them carefully, wasting as little as possible.

Our models, entirely designed and manufactured at our facilities, are certified according to European standards, which guarantee maximum reliability and safety, and benefit of government grants related to renewable energy.

Our ecological philosophy leads us to reuse waste materials, and to be energetically independent thanks to the photovoltaic system installed in the plant in San Vendemiano.



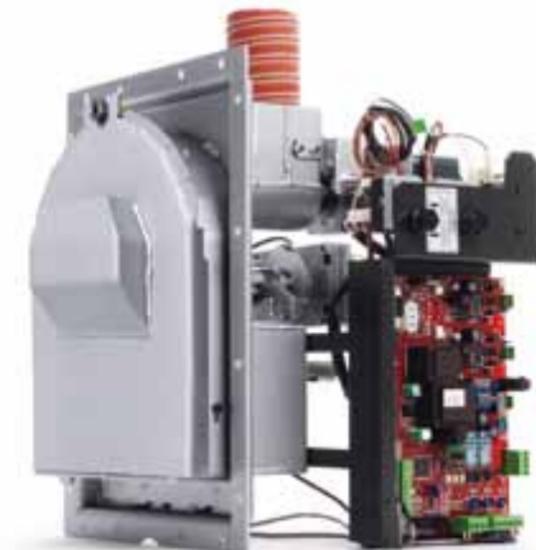


## CS THERMOS SYSTEM THE MULTI-FUEL BURNER

It allows to burn all types of wood pellets as well as the real biomass, i.e. the natural waste from agricultural processing.

The multi-fuel, self-cleaning and dynamic burner is made of AISI 430 stainless steel, from 3 to 5 mm thick, and ductile cast iron, 8 mm thick .

It is patented by CS Thermos throughout Europe. When burning wood pellet, it allows one cleaning per week.





## PATENT = SAFETY

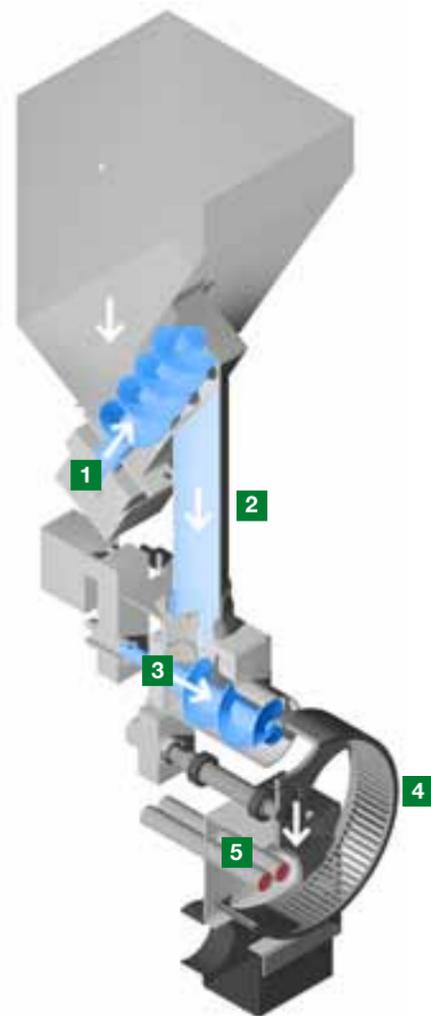
N° EP 2144001B1

The innovative multi-fuel burner, the heart of our stoves, allows to burn all types of **wood pellet**, as well as waste from agricultural processing like:  
**agripellet, pelletised vine pruning, coffee ground pellet, chopped or whole olive pits, shells of almonds/walnuts/hazelnuts/apricots pit, cherry pits, corn, wood chips (only Cippatina model).**

The efficiency of CS Thermos system is not affected by burning the agripellet, which usually clogs and blocks traditional pellet stoves. This fuel is less expensive due to its features and, at the same time, it has a good calorific value and no other disadvantage.

**To ensure safe operation of our stoves we remind you that:**

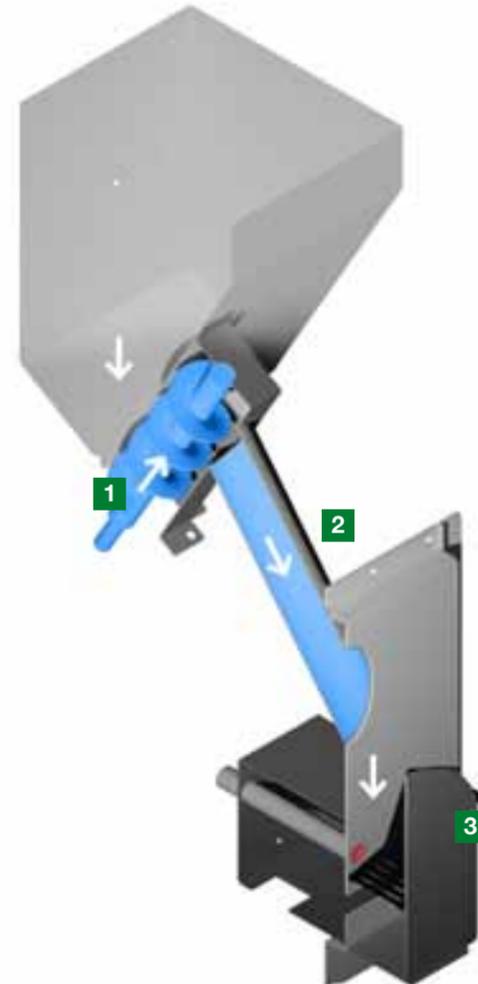
- > corn, which has an excellent calorific value, should be mixed with wood pellet, at a percentage of 60% corn and 40% pellet
- > fuels' size, including all types of biomass, must have a diameter greater than 4mm
- > before burning biomass, check regulations policy of your Country



**The patented CS Thermos System: horizontal auger and self-cleaning, multi-fuel burner**

An auger (1) picks up the pellets from the tank, lets them drop along a perfectly vertical pipe (2), and then another horizontal auger (3) pushes them into the dynamic and selfcleaning burner (cast iron wheel 4) where the fire is ignited by 2 heating elements (5) in about 5 minutes.

The vertical drop of the pellet and the motor that pushes it along the horizontal auger make sure that **the pellet duct (2) is always clear, preventing any possibility of backfire from the fire box to the fuel tank.**



**Classical structural method**

An auger (1) picks pellets from the tank and drops them along the oblique pipe (2) up to the brazier where the fire is lit in approximately 10-15 minutes by only 1 electrical resistor (3).



## **ECOLOGICAL FOOTPRINT**

products designed and  
manufactured with the aim  
of reducing environmental  
impact

## **ECONOMIC SAVING**

fuel saving because the  
stove / boiler works in  
flame modulation, therefore  
increasing the combustion  
efficiency

## SAFETY

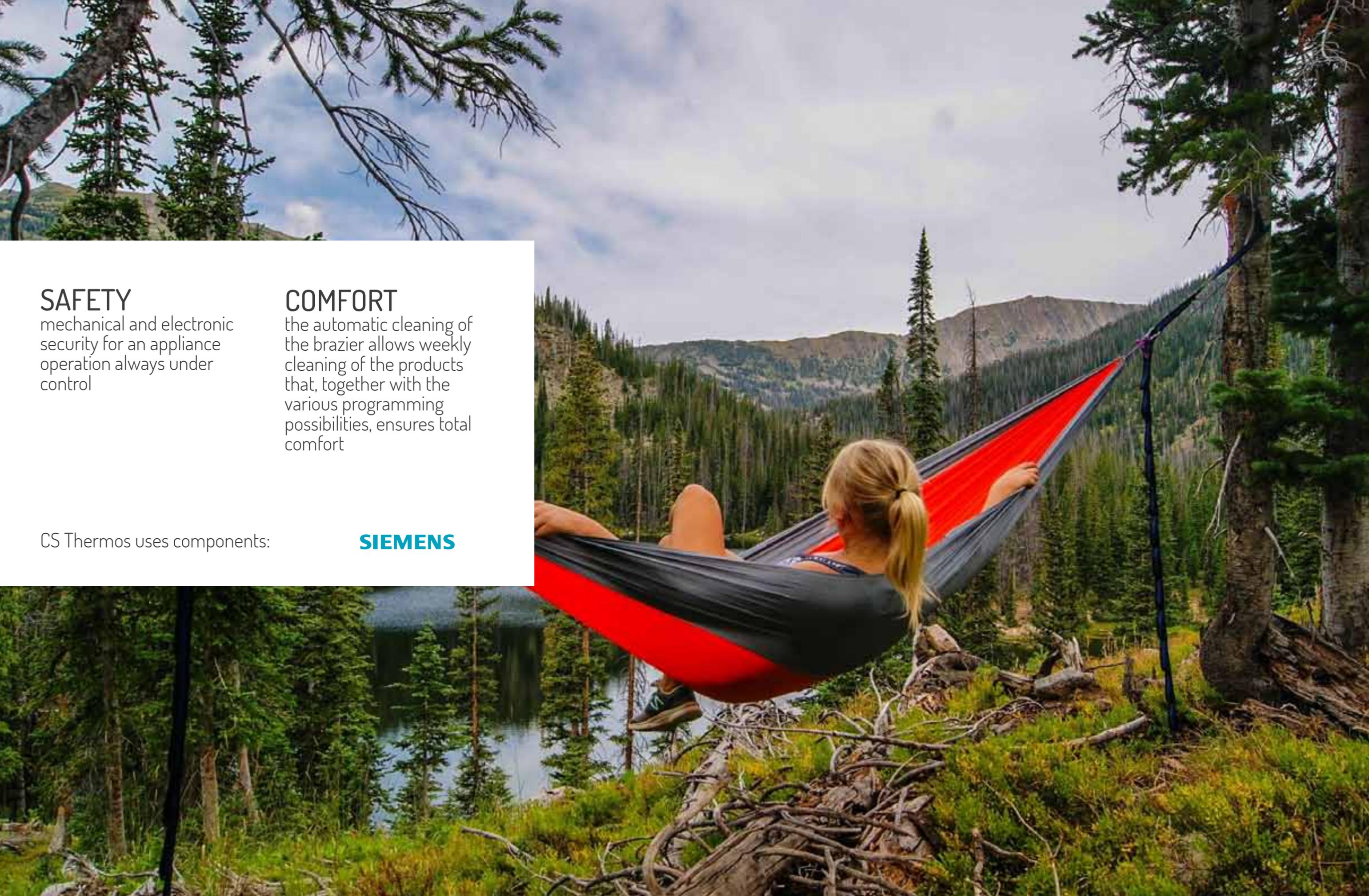
mechanical and electronic security for an appliance operation always under control

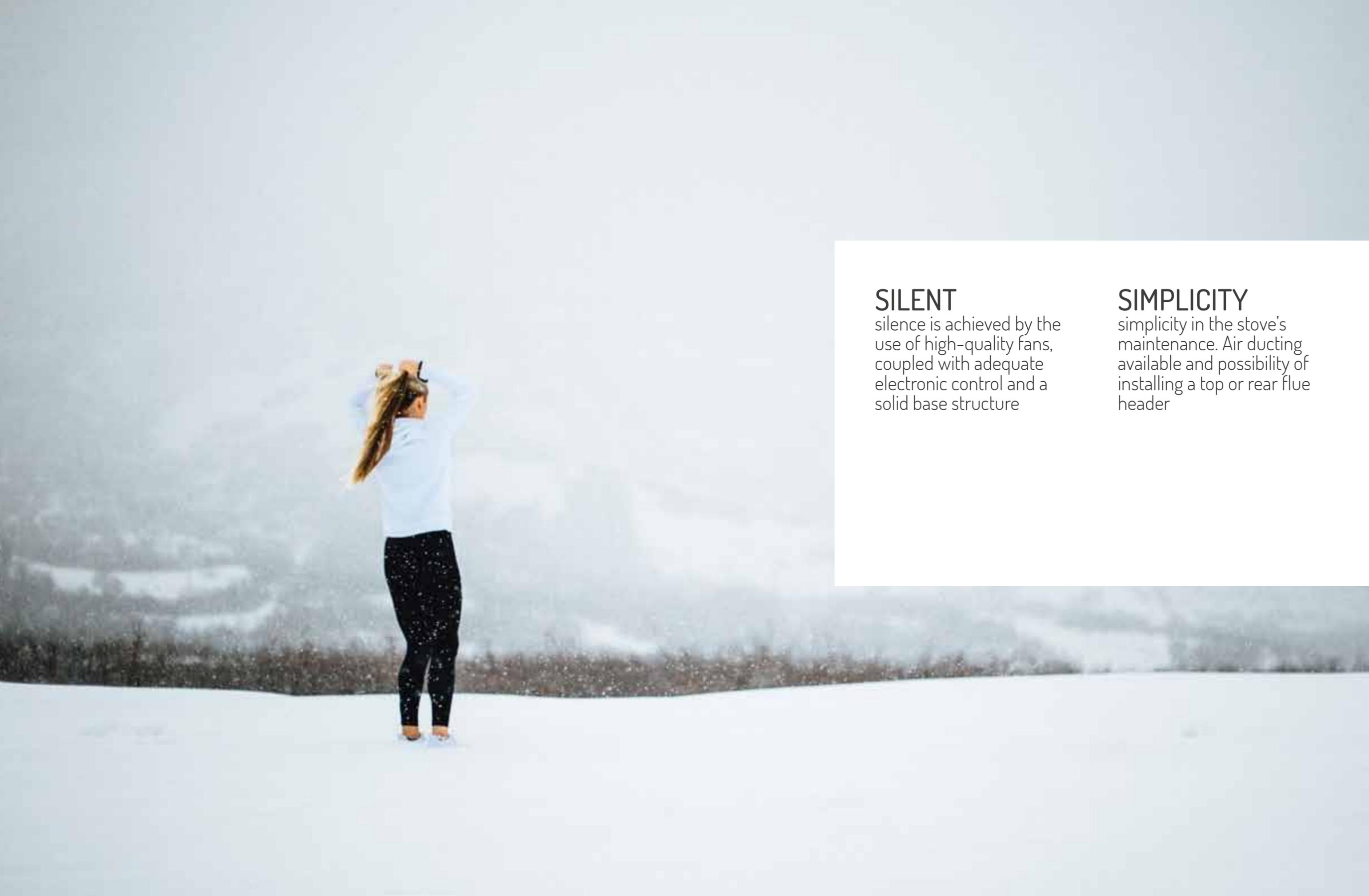
## COMFORT

the automatic cleaning of the brazier allows weekly cleaning of the products that, together with the various programming possibilities, ensures total comfort

CS Thermos uses components:

**SIEMENS**





## **SILENT**

silence is achieved by the use of high-quality fans, coupled with adequate electronic control and a solid base structure

## **SIMPLICITY**

simplicity in the stove's maintenance. Air ducting available and possibility of installing a top or rear flue header



## CLEAN AIR

CS Thermos supports and participates in the Clean Air project promoted by Aiel, the Italian Association of Agroforest Energy. Certification is born to help improve the quality of air, health and the environment, based on three fundamental concepts: transparency, objectivity, clarity

More info about:  
[www.csthermos.it/aria-pulita](http://www.csthermos.it/aria-pulita)

# GOOD REASONS TO CHOOSE US

## THE ADVANTAGES OF CS THERMOS PRUDUCTS



### Ecological footprint: stoves and boilers designed with the aim of lowering CO (carbon monoxide)

We designed these stoves with the aim of minimising the emissions of carbon monoxide and the objective has been achieved: European legislation foresees a CO emission limit of 400 ppm at maximum power and 600 ppm at minimum power. CS THERMOS has decreased this to 200 ppm (parts per million). Our stoves' and boilers' robustness is another important feature because to respect the environment also means to manufacture products that have a long life and do not become waste in a short time. In CS THERMOS technological innovation becomes an opportunity to give concrete answers: product durability and emissions' reduction.



### Technology and innovation

- › Patented and certified idea supported by excellent raw materials and components made by leading manufacturers.
- › Electronic motherboard entirely designed according to CS Thermos' know-how.
- › 3 motors instead of 1: pellet/biomass loading motor, fuel mixing motor and biomass burner rotation motor.
- › While rotating at preset intervals, the self-cleaning biomass burner ejects the ashes and makes sure they do not collect, so even agripellet can burn without creating any problem to the stove's operation.

### More control and less consumption

There are 16 different programs for managing automatic ignition. The variable speed fan guarantees perfect combustion in all power stages, limiting combustion residues and heat loss to the flue during functioning.



### Savings

- › Save time thanks to the simple maintenance.
  - › Economic savings due to the high performance obtained and the variety of fuels used.
  - › Option of keeping a very low minimum.
  - › 2 heating elements shorten ignition time and reduce energy consumption which focuses primarily on start-up, while it becomes very low during stove operation.
  - › Double choice at operation:
    - a) modulation mode**  
when the temperature is reached, the stove set itself to the minimum;
    - b) shut-down mode**  
the stove shuts down and restarts automatically according to the room temperature to be maintained.
- The modulation mode enhances:**
- savings on electricity because the heating elements start-up less frequently
  - the consequent longer life of the elements and less wear
  - savings on fuel because the stove/boiler works with better fuel yield

### Access to the maximum tax incentives

The performance and emissions into the atmosphere by the LYRA boilers comply with class 5 of the EN303-5 European Standard, which governs the construction of our products and allows the envisioned tax incentives to be obtained.

### Great savings and immediate heat

The power of the biomass boiler modulates on 6 stages between a maximum and minimum on the basis of domestic system demands, therefore avoiding excessive ignitions during the day. The power varies between a maximum power value and 30% of the same, on the basis of slave system demand. In this way, the consumption of electric energy, necessary to ignite the burner, is reduced. The modulation mode also allows heat to be supplied more quickly in the event of immediate demand. The power consumption is further reduced through the use of electronic energy efficient circulators (EU Regulation no. 622/2012).

# GOOD REASONS TO CHOOSE US

## THE ADVANTAGES OF CS THERMOS PRODUCTS



### Safety

#### Mechanical safety devices:

- › Manual rearm thermostats detect any overheating of boiler and auger.
- › Pressure switch that controls the work during stove depression, detecting any ash blockage, either in the stove or the flue, and also controls the flue gas motor.
- › Flashback arrestor unit.
- › Overpressure safety device.

#### Electronic safety devices:

- › Flue gas sensor that indicates any excessive flue gas temperature.
- › The mixing and burner rotating motors are controlled by inductive sensors that signal any malfunctioning with an alarm.

#### Total safety and self-diagnostics

Continuous control of motor functioning for complete reliability of the system installed. Every motor is kept constantly under control by a dedicated sensor in order to prevent any motor shutdown from causing faults to the entire system.

#### Impervious to anomalous external conditions

Self-diagnostics on ignition for total functioning safety even in the presence of voltage peaks or drops in the mains electricity. At every automatic ignition of the appliance, the board carries out a complete check-up in order to verify any anomalies on the system installed. The burner can also function correctly with differences of  $\pm 15\%$  with respect to the mains rated voltage.



#### Thermostat for air ducting

- › It allows the regulation of air and temperature, it modulates but does not switch off ventilation in the ducted area.

#### Thermostat for models Biolady and Biostile

- › It allows the regulation of air and temperature, it modulates and switches off ventilation in the ducted area.



#### Remote chronothermostat

It allows the control of the boiler installed in the technical room (model LYRA), i.e. it displays in the house the working status of the machine, allowing it to be switched on, shut off and programmed. It is possible to read the main operating information such as boiler temperature, DHW temperature, flue gas temperature, anomalies and alarms.



#### GSM module and App

It allows, via sms message, to turn on and off stoves, thermo-stoves and boilers at a distance.

Check which products are predisposed for the GSM module, marked with this icon on the catalogue.



### Class 5

The new Class 5 boilers for the technical room are designed to meet the most severe emission limits with very high thermal efficiency. They are certified according to European regulations EN 303-5 / 2012.

# GOOD REASONS TO CHOOSE US

## THE ADVANTAGES OF CS THERMOS PRUDUCTS



### Simplicity

- › Easy access for maintenance without having to disconnect the stove from the chimney flue.
- › Many adjustment options for the flue gas motor, according to the type of flue installed.
- › Ducting option in almost all models, using a simple air diverting kit that allows the hot air flow into the ducted environment to be opened or closed.



### Clean air

- › The new generation of our pellet and biomass stoves install an anti-dust filter under the ash drawer, very useful for keeping the environment dust and preventing it from being recirculated with the hot air produced. It is very easy to extract, wash and reassemble on the stove.
- › The inlet filter is of fundamental importance to reduce the problem of carbonization of atmospheric dust. Scientific studies show that, above 52 °C, the dust in the air burns due to its size and carbonises, with consequent problems to the respiratory tract.



### Silent

- › At minimum power, our stoves makes less noise than 47 Db.
- › Noiselessness is obtained thanks to high quality fans and to the total sturdiness of the stove: we use in fact important steel thicknesses that guarantee a very solid structure that does not produce vibrations.



### Comfort

- › 5 different fuel menus already programmed, that can be selected from the electronic display.
- › Manual cleaning and very quick ash removal: it can be carried out through the fire box door without having to dismantle parts of the stove.
- › Automatic special cleaning of the brazier: after 8 hours of continuous operation, a thorough cleaning is carried out, and the machine switches off and on automatically. This cleaning routine has been set to benefit those who have little time to devote to product maintenance while using it for many hours.
- › An anti-dust filter traps environmental dust and is easy to wash and clean.
- › Very large fire box glass that allows natural heat radiation.
- › 2 heating elements that shorten the ignition timing and guarantee continuity: in fact, if one of them were to burn, the stove signals an alarm, while continuing to run with the help of the other element.
- › Up to 16 start-up programming in a week.
- › Remote control and ignition via GSM and App.

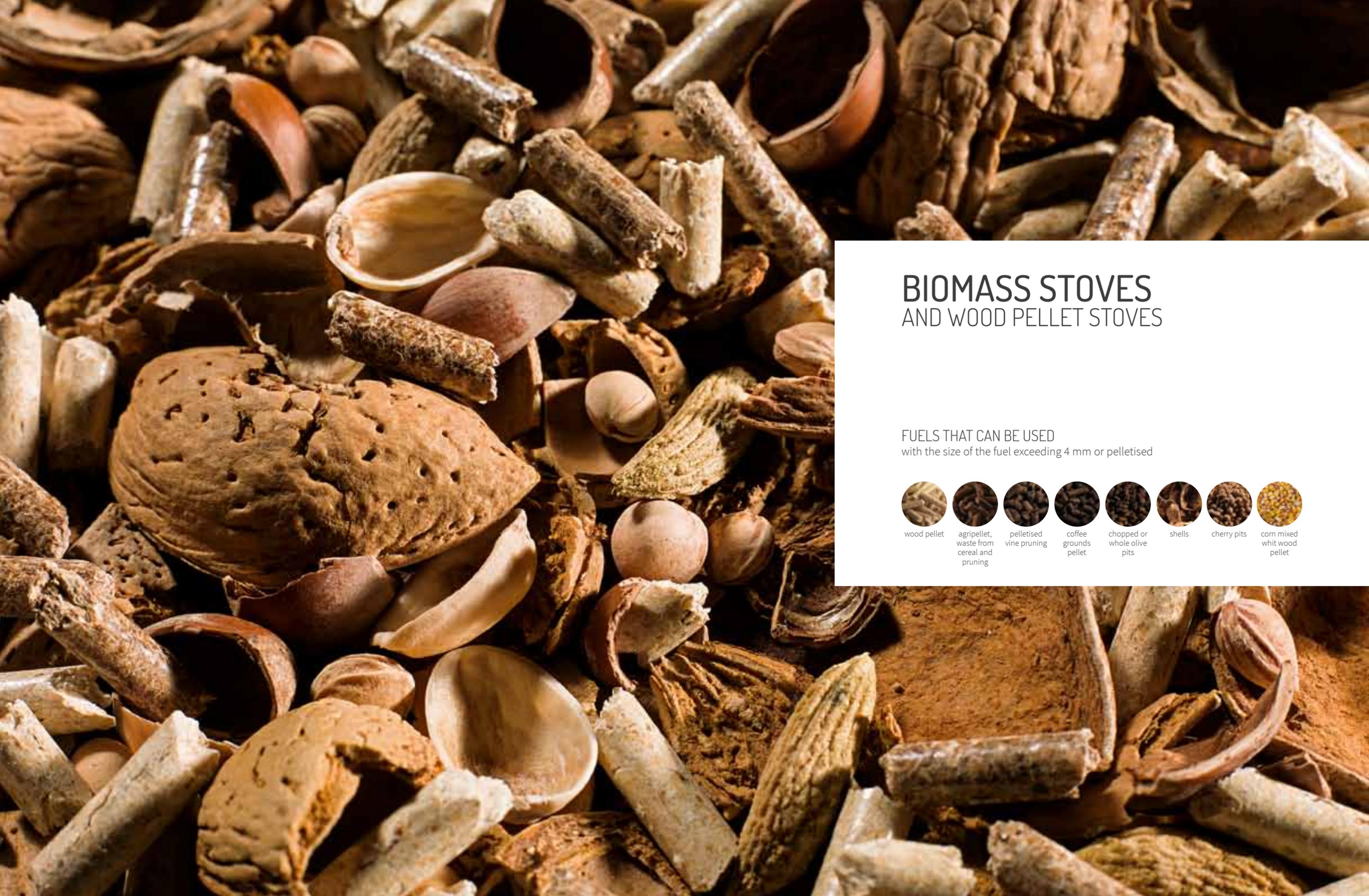


## BIOMASS. WHAT IS IT? AND WHICH FUELS CAN WE USE?

CS THERMOS products are different because they allow actual biomass, i.e. the waste from agricultural processing which is its natural waste, to be burnt, together with all types of wood pellet.

### EXAMPLES OF BIOMASS USABLE AS FUEL

- > **wood pellet**
- > **agripellet**  
made of cereal processing waste mixed with wood or pruning in general
- > **pelletised vine pruning**  
left over from vine cultivation
- > **coffee ground pellet**  
from cafes, and domestic coffee pods and capsules
- > **chopped or whole olive pits**  
it's the waste from processing olive oil
- > **shells of almonds/walnuts/hazelnuts and apricots pit**  
left over from the relevant processing
- > **cherry pits**  
left over from processing cherries
- > **corn**  
dried to 13% moisture content, and mixed with wood pellet
- > **wood chips (only Cippatina model)**  
wood cut in flakes



## BIOMASS STOVES AND WOOD PELLET STOVES

FUELS THAT CAN BE USED  
with the size of the fuel exceeding 4 mm or pelletised



wood pellet



agripellet,  
waste from  
cereal and  
pruning



pelletised  
vine pruning



coffee  
grounds  
pellet



chopped or  
whole olive  
pits



shells



cherry pits



corn mixed  
whit wood  
pellet



*Leise*

# LEIRE

Design:  
Gianpietro Gai with Beatrice Barozzi

Exclusive design, high performance and maximum comfort identify the new round stove made in CS Thermos. The warming lid, which opens with rotation for fuel load, with soapstone or antique white stone finish, represents the true innovation of the product. Hermetically sealed pellet tank.



Power	<b>3÷8 Kw</b>
Heated volume	<b>86÷230 m<sup>3</sup></b>
Performance	<b>88,2%</b>
CO emissions at 13% O <sup>2</sup>	<b>178 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~15</b>
Dimensions (WxDxH - cm)	<b>53,5x60x121</b>
Flue gas outlet	<b>rear and upper</b>
Can be ducted	<b>no</b>

full technical data on page 136



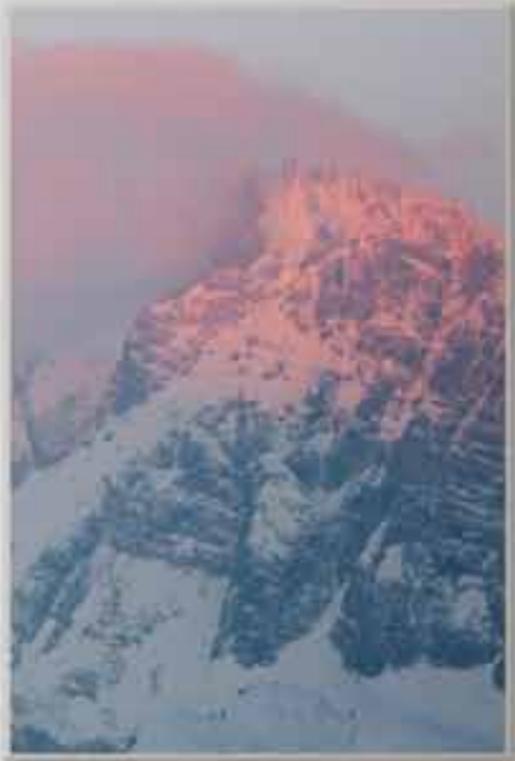
1.backfires impossible 2.overpressure system 3.maximum quietness 4.direct air with forced ventilation 5. air intake from outside 6.flue gas upper/rear outlet 7.multi-fuel patented burner 8.remote control through GSM or App



Soft black  
[M-NS]



Red  
[M-RO]



Sintesi

# SINTESI

Design:  
Gianpietro Gai with Beatrice Barozzi

Sintesi model, is an Italian designer's work and creative interpretation of the world of fire, a synthesis between aesthetics and innovation, in step with the taste of our times. Equipped with dust filter and air fans on the sides.



	Sintesi 90	Sintesi 120
Power	3÷9 Kw	3÷12 Kw
Heated volume	86÷260 m <sup>3</sup>	86÷370 m <sup>3</sup>
Performance	91,38%	90,26%
CO emissions at 13% O <sup>2</sup>	180 mg/Nm <sup>3</sup>	190 mg/Nm <sup>3</sup>
Power levels	6	
Tank capacity	~16	~20
Dimensions (WxDxH - cm)	54x55x115	54x55x123
Flue gas outlet	upper or rear	
Can be ducted	yes	

full technical data on page 136



1.backfires impossible 2.overpressure system 3.anti-dust filter 4.maximum quietness 5.direct air with forced ventilation 6.can be ducted 7.air intake from outside 8.flue gas upper/rear outlet 9.multi-fuel patented burner 10.thermostat for air ducting 11.remote control through GSM or App



# LIA PLUS

Lia Plus expresses a refined simplicity thanks to its black glass door. It has a depth of 38 cm and a maximum width of 55 cm. It is equipped with an adjustable fan, located on the front of the stove. This fan can be rotated 90° to the right, to blow air sideways, or it can be rotated 180° to convey total or partial air quantity into another room, by using the appropriate air ducting kit "air deviation gate".



Power	<b>3÷8 Kw</b>
Heated volume	<b>86÷230 m<sup>3</sup></b>
Performance	<b>87,11%</b>
CO emissions at 13% O <sup>2</sup>	<b>210 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~17</b>
Dimensions (WxDxH - cm)	<b>55x38x120</b>
Flue gas outlet	<b>rear</b>
Can be ducted	<b>yes</b>

full technical data on page 136



1.backfires impossible 2.overpressure system 3.maximum quietness 4.direct air with forced ventilation 5.can be ducted 6.air intake from outside 7.multi-fuel patented burner 8.thermostat for air ducting 9.remote control through GSM or App



Satin aluminum  
[M-AS]



Lavender  
[M-LA]



Pearl  
[M-PE]



Met red  
[M-RM]



Shiny black  
[M-NL]

# LIA

Lia has a depth of 38 cm and a maximum width of 55 cm. It is equipped with an adjustable fan, located on the front of the stove. This fan can be rotated 90° to the right, to blow air sideways, or it can be rotated 180° to convey total or partial air quantity into another room, by using the appropriate air ducting kit "air deviation gate".



Power	<b>3÷8 Kw</b>
Heated volume	<b>86÷230 m<sup>3</sup></b>
Performance	<b>87,11%</b>
CO emissions at 13% O <sup>2</sup>	<b>210 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~17</b>
Dimensions (WxDxH - cm)	<b>55x38x120</b>
Flue gas outlet	<b>rear</b>
Can be ducted	<b>yes</b>

full technical data on page 136



1.backfires impossible 2.overpressure system 3.maximum quietness 4.direct air with forced ventilation 5.can be ducted 6.air intake from outside 7.multi-fuel patented burner 8.thermostat for air ducting 9.remote control through GSM or App



Satin aluminum  
[M-AS]



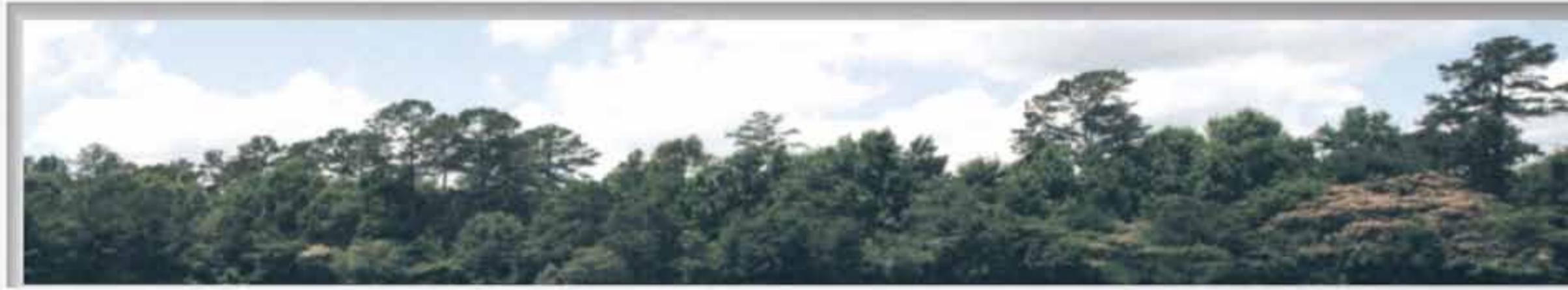
Lavender  
[M-LA]



Pearl  
[M-PE]



Met red  
[M-RM]



*Scigno*

# SCRIGNO

Stove with self-cleaning pellet and biomass burner with eye-catching design characterized by the two “casket” doors and the serigraphed glass door. It uses the new high performance combustion chamber and maintains all the quietness and safety features of CS Thermos products, with the plus of the upper or rear flue header. Hermetic closure of the fuel tank.



Power	<b>3÷8 Kw</b>
Heated volume	<b>86÷230 m<sup>3</sup></b>
Performance	<b>88,2%</b>
CO emissions at 13% O <sup>2</sup>	<b>178 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~12</b>
Dimensions (WxDxH - cm)	<b>46x49x106</b>
Flue gas outlet	<b>upper or rear</b>
Can be ducted	<b>no</b>

full technical data on page 136



1.backfires impossible 2.overpressure system 3.maximum quietness 4.direct air with forced ventilation 5.air intake from outside 6. flue gas upper/rear outlet 7.multi-fuel patented burner 8.remote control through GSM or App



White  
[M-BI]



Red met  
[M-RM]



Soft black  
[M-NS]



Bronze  
[M-BR]

# LOREN

The incomparable elegance of its design is enriched by the black glass door and its small size facilitates placement anywhere in the house. Loren can be ducted and has upper or rear flue gas outlet, perfect for any requirement.

Hermetic closure of the fuel tank.



Power	<b>3÷8 Kw</b>
Heated volume	<b>86÷230 m<sup>3</sup></b>
Performance	<b>87,11%</b>
CO emissions at 13% O <sup>2</sup>	<b>210 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~17</b>
Dimensions (WxDxH - cm)	<b>68x40x120</b>
Flue gas outlet	<b>upper or rear</b>
Can be ducted	<b>yes</b>

full technical data on page 136



1.backfires impossible 2.overpressure system 3.maximum quietness 4.direct air with forced ventilation 5.can be ducted 6.air intake from outside 7.flue gas upper/rear outlet 8.multi-fuel patented burner 9.thermostat for air ducting 10.remote control through GSM or App



White  
[M-BI]

Red brill  
[M-RM]

Lavander  
[M-LA]

Aliminum  
[M-AL]

Soft black  
[M-NS]

# CARMEN

Carmen's coating is made of printed ceramic, which gives it a special charm and a vintage look. Its heart, however, is highly technological and contains the multi-fuel burner. The hot air fan can be rotated 180° to convey total or partial air quantity into another room, by using the appropriate air ducting kit "air deviation gate".



Power	<b>3÷8 Kw</b>
Heated volume	<b>86÷230 m<sup>3</sup></b>
Performance	<b>87,11%</b>
CO emissions at 13% O <sup>2</sup>	<b>210 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~17</b>
Dimensions (WxDxH - cm)	<b>66x45x128</b>
Flue gas outlet	<b>rear</b>
Can be ducted	<b>yes</b>

full technical data on page 136



1.backfires impossible 2.overpressure system 3.maximum quietness 4.direct air with forced ventilation 5.can be ducted 6.air intake from outside 7.multi-fuel patented burner 8.thermostat for air ducting 9.remote control through GSM or App



Pearl  
[C-PE]



Bordeaux  
[C-BX]



Shiny black  
[C-NL]



*Maya*

# MAYA

Design and technology are made precious by ceramic coating and serigraphed glass door. Its added value is silence: it operates at natural convection up to power 2 and forced ventilation from power 3 to power 6. It can operate, after setting, with active ventilation also from power 1. Hermetically sealed ash drawer and pellet tank.



Power	<b>3÷9,5 Kw</b>
Heated volume	<b>86÷270 m<sup>3</sup></b>
Performance	<b>91%</b>
CO emissions at 13% O <sup>2</sup>	<b>172 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~20</b>
Dimensions (WxDxH - cm)	<b>60x50x122</b>
Flue gas outlet	<b>upper or rear</b>
Can be ducted	<b>no</b>

full technical data on page 136



1.backfires impossible 2.overpressure system 3.flue gas upper/rear outlet  
4.maximum quietness 5.direct air with forced ventilation 6.air intake from outside  
7.radiant heating from the glass and natural convection 8.multi-fuel patented burner 9.remote control through GSM or App



Milky white  
[C-BL]



Red  
[C-RO]



Vanilla  
[C-VA]

# SILENZIO - HERMETIC STOVE



It is the **first certified hermetic stove working with pellet and biomass**, perfect for any home and ideal for passive houses.

Design and modern technology are expressed with stainless steel door, painted anti-fingerprint. It can work with natural convection up to the power 2 or forced ventilation to the power 6, bringing together a low noise level and a very high efficiency.

Hermetically sealed ash drawer and pellet tank.



Power	<b>3÷8 Kw</b>
Heated volume	<b>86÷230 m<sup>3</sup></b>
Performance	<b>91%</b>
CO emissions at 13% O <sup>2</sup>	<b>172 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~20</b>
Dimensions (WxDxH - cm)	<b>60x50x122</b>
Flue gas outlet	<b>upper or rear</b>
Can be ducted	<b>no</b>

*full technical data on page 136*



1.backfires impossible 2.overpressure system 3.flue gas upper/rear outlet  
4.maximum quietness 5.direct air with forced ventilation 6.air intake from outside  
7.hermetic stove 8.radiant heating from the glass and natural convection 9.multi-fuel patented burner 10.remote control through GSM or App



Inox  
[M-IX]



White  
[M-BI]



Soft black  
[M-NS]

# LIBERA

Its added value is silence: it operates at natural convection up to power 2 and forced ventilation from power 3 to power 6. It can operate, after setting, with active ventilation also from power 1. Hermetically sealed ash drawer and pellet tank.



Power	<b>3÷9,5 Kw</b>
Heated volume	<b>86÷270 m<sup>3</sup></b>
Performance	<b>91%</b>
CO emissions at 13% O <sup>2</sup>	<b>172 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~20</b>
Dimensions (WxDxH - cm)	<b>60x50x122</b>
Flue gas outlet	<b>upper or rear</b>
Can be ducted	<b>no</b>

*full technical data on page 136*



- 1.backfires impossible
- 2.overpressure system
- 3.flue gas upper/rear outlet
- 4.maximum quietness
- 5.direct air with forced ventilation
- 6.air intake from outside
- 7.radiant heating from the glass and natural convection
- 8.multi-fuel patented burner
- 9.remote control through GSM or App



Inox  
[M-IX]



White  
[M-BI]



Soft black  
[M-NS]



# TESI

Innovative model equipped with the multi-fuel and self-cleaning biomass burner, which has a very short overall depth (35 cm) that facilitates installation in small spaces. Tesi is fitted with 2 fans that blow two powerful and separate air jets, that allow a very effective ducting in several directions.

The hot air outlets are standard on the left and front sides, however the air can be directed in 4 directions by simply rotating the motors: left, front, rear and top:

- thanks to the optional ducting kit we can direct air upwards
- to direct air backwards we need to rotate the front fan

- › Standard sliding lid of fuel tank. Optional hinged lid available with display in the top panel
- › Greatly reduced depth (35 cm)
- › The hot air outlets are standard on the left and front sides
- › 2 fans to duct in several directions



Power	<b>3÷10 Kw</b>
Heated volume	<b>86÷280 m<sup>3</sup></b>
Performance	<b>85,22%</b>
CO emissions at 13% O <sup>2</sup>	<b>220 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~18</b>
Dimensions (WxDxH - cm)	<b>86x35x119</b>
Flue gas outlet	<b>upper or rear</b>
Can be ducted	<b>yes</b>

full technical data on page 136



1.backfires impossible 2.overpressure system 3.maximum quietness 4.direct air with forced ventilation 5.can be ducted 6.air intake from outside 7.flue gas upper/rear outlet 8.multi-fuel patented burner 9.thermostat for air ducting 10.remote control through GSM or App



Maple  
[M-AC]

Met red  
[M-RM]

White  
[M-BI]

Antique white stone  
[P-BA]

Soapstone  
[P-OL]

Slate  
[P-AR]

# TRENDY

Trendy is enhanced by the stone finish of the columns and the top cover and represents the beginning of a new, high-performing stove generation with a unique management comfort.

- » a new combustion chamber that increases the energy performance
- » anti-dust filter that traps the dust in the environment and prevents it from being recirculated by the fan's hot air
- » bigger ash drawer
- » option of diverting the air by using a dedicated shutter (accessory on request)
- » option of horizontal or vertical flue gas outlet



	Trendy 90	Trendy 120
Power	<b>3÷9 Kw</b>	<b>3÷12 Kw</b>
Heated volume	<b>86÷260 m<sup>3</sup></b>	<b>86÷370 m<sup>3</sup></b>
Performance	<b>91,38%</b>	<b>90,26%</b>
CO emissions at 13% O <sup>2</sup>	<b>180 mg/Nm<sup>3</sup></b>	<b>190 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>	
Tank capacity	<b>~16</b>	<b>~20</b>
Dimensions (WxDxH - cm)	<b>50x54x113</b>	<b>50x54x123</b>
Flue gas outlet	<b>upper or rear</b>	
Can be ducted	<b>yes</b>	

full technical data on page 136



1.backfires impossible 2.overpressure system 3.anti-dust filter 4.maximum quietness 5.direct air with forced ventilation 6.can be ducted 7.air intake from outside 8.flue gas upper/rear outlet 9.multi-fuel patented burner 10.thermostat for air ducting 11.remote control through GSM or App



Soapstone  
[P-OL]



Antique white stone  
[P-BA]

# THELMA & LOUISE

Thelma, characterized by the essential design of its ceramic top and colored door, represents the beginning of a new, high-performing stove generation with a unique management comfort.

- » a new combustion chamber that increases the energy performance
- » anti-dust filter that traps the dust in the environment and prevents it from being recirculated by the fan's hot air
- » bigger ash drawer
- » option of diverting the air by using a dedicated shutter (accessory on request)
- » option of horizontal or vertical flue gas outlet



	T&L 90	T&L 120
Power	<b>3÷9 Kw</b>	<b>3÷12 Kw</b>
Heated volume	<b>86÷260 m³</b>	<b>86÷370 m³</b>
Performance	<b>91,38%</b>	<b>90,26%</b>
CO emissions at 13% O <sup>2</sup>	<b>180 mg/Nm<sup>3</sup></b>	<b>190 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>	
Tank capacity	<b>~16</b>	<b>~20</b>
Dimensions (WxDxH - cm)	<b>50x54x113</b>	<b>50x54x123</b>
Flue gas outlet	<b>upper or rear</b>	
Can be ducted	<b>yes</b>	

full technical data on page 136



1.backfires impossible 2.overpressure system 3.anti-dust filter 4.maximum quietness 5.direct air with forced ventilation 6.can be ducted 7.air intake from outside 8.flue gas upper/rear outlet 9.multi-fuel patented burner 10.thermostat for air ducting 11.remote control through GSM or App



Pearl  
[C-PE + M-PE]



Black brill  
[C-NL+M-NB]



Met red  
[C-RO + M-RM]

# NOTABENE

Notabene distinguishes itself for the peculiar ceramic top, rounded sides and flat door. It represents the beginning of a new, high performing stove generation with a unique management comfort.

- » a new combustion chamber that increases the energy performance
- » anti-dust filter that traps the dust in the environment and prevents it from being recirculated by the fan's hot air
- » bigger ash drawer
- » option of diverting the air by using a dedicated shutter (accessory on request)
- » option of horizontal or vertical flue gas outlet



## Notabene 90 Notabene 120

Power	<b>3÷9 Kw</b>	<b>3÷12 Kw</b>
Heated volume	<b>86÷260 m<sup>3</sup></b>	<b>86÷370 m<sup>3</sup></b>
Performance	<b>91,38%</b>	<b>90,26%</b>
CO emissions at 13% O <sup>2</sup>	<b>180 mg/Nm<sup>3</sup></b>	<b>190 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>	
Tank capacity	<b>~16</b>	<b>~20</b>
Dimensions (WxDxH - cm)	<b>54x55x113</b>	<b>54x55x123</b>
Flue gas outlet	<b>upper or rear</b>	
Can be ducted	<b>yes</b>	

full technical data on page 136



1.backfires impossible 2.overpressure system 3.anti-dust filter 4.maximum quietness 5.direct air with forced ventilation 6.can be ducted 7.air intake from outside 8.flue gas upper/rear outlet 9.multi-fuel patented burner 10.thermostat for air ducting 11.remote control through GSM or App



Black brill  
[C-NL+M-NB]



Bordeaux  
[C-BX + M-BX]



Cappuccino  
[C-CP + M-CP]



Pearl  
[C-PE + C-PE]

# BIOLADY

The ceramic model Biolady is a particularly powerful stove, specifically designed for ducting air by means of a dedicated fan (outlet D. 80 mm). The recommended maximum duct length is 6 metres with two 90° bends.

This model is ducted at the factory on request, therefore equipped with:

- » an additional fan
- » room control thermostat that adjusts ventilation according to the set temperature to be reached in the ducted room
- » a dedicated motherboard regulates temperature and ventilation speed

- › The duct is connected on the rear part of the stove, whereas the front shutter allows the air outlet to be opened or closed, in order to direct up to 90% of the calorific power to the duct.
- › The Biolady model has a rear flue gas outlet.



Power	<b>3÷14 Kw</b>
Heated volume	<b>86÷400 m<sup>3</sup></b>
Performance	<b>86,72%</b>
CO emissions at 13% O <sup>2</sup>	<b>210 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~16</b>
Dimensions (WxDxH - cm)	<b>63x55x109</b>
Flue gas outlet	<b>rear</b>
Can be ducted	<b>yes</b>

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1.backfires impossible 2.overpressure system 3.maximum quietness 4.direct air with forced ventilation 5.can be ducted 6.air intake from outside 7.multi-fuel patented burner 8.thermostat for air ducting (standard)



Gray  
[C-GG]



Vanilla  
[C-VA]



Red  
[C-RO]

# BIOSTILE

The model metal Biostile is a particularly powerful stove, specifically designed for ducting air by means of a dedicated fan (outlet D. 80mm). The recommended maximum duct length is 6 metres with two 90° bends.

This model is ducted at the factory on request, therefore equipped with:

- » an additional fan
- » room control thermostat that adjusts ventilation according to the set temperature to be reached in the ducted room
- » a dedicated motherboard regulates temperature and ventilation speed

- › The duct is connected on the rear part of the stove, whereas the front shutter allows the air outlet to be opened or closed, in order to direct up to 90% of the calorific power to the duct.
- › The Biostile model has both an upper and a rear flue gas outlet.



Power	<b>3÷14 Kw</b>
Heated volume	<b>86÷400 m<sup>3</sup></b>
Performance	<b>86,72%</b>
CO emissions at 13% O <sup>2</sup>	<b>210 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~16</b>
Dimensions (WxDxH - cm)	<b>63x55x109</b>
Flue gas outlet	<b>upper or rear</b>
Can be ducted	<b>yes</b>

full technical data on page 136



1.backfires impossible 2.overpressure system 3.maximum quietness 4.direct air with forced ventilation 5.can be ducted 6.air intake from outside 7.flue gas upper/rear outlet 8.multi-fuel patented burner 9.thermostat for air ducting (standard)



Black brill  
[M-NB]



Sand  
[M-SB]



Red brill  
[M-RB]

# DALÌ

Protagonist of the interior, a ceramic stove always combines aesthetics and functionality.

The Dali model radiates a pleasant warmth even from ceramics. The hot air is conveyed downwards through the front grilles and a part of it radiates upwards through the slits of the ceramics top. 4 beautiful colours make it perfect for any interior.



	Dali 90	Dali 120
Power	3÷9 Kw	3÷12 Kw
Heated volume	86÷260 m <sup>3</sup>	86÷350 m <sup>3</sup>
Performance	86,90%	87,88%
CO emissions at 13% O <sup>2</sup>	170 mg/Nm <sup>3</sup>	160 mg/Nm <sup>3</sup>
Power levels	6	
Tank capacity	~15	~18
Dimensions (WxDxH - cm)	51,5x48x103	51,5x48x118
Flue gas outlet	upper or rear	
Can be ducted	no	

full technical data on page 136



1.backfires impossible 2.overpressure system 3.maximum quietness 4.direct air with forced ventilation 5.air intake from outside 6.flue gas upper/rear outlet 7.multi-fuel patented burner



Milky white  
[C-BL]



Anthracite  
[C-AN]



Cappuccino  
[C-CP]



Bordeaux  
[C-BX]

# FLORI

The Flori model is the metal version of the ceramic model Dali.  
The hot air is conveyed downwards through the front grilles and a part of it is radiates through the top plates.  
3 beautiful colours make it perfect for any interior.



	Flori 90	Flori 120
Power	<b>3÷9 Kw</b>	<b>3÷12 Kw</b>
Heated volume	<b>86÷260 m<sup>3</sup></b>	<b>86÷350 m<sup>3</sup></b>
Performance	<b>86,90%</b>	<b>87,88%</b>
CO emissions at 13% O <sup>2</sup>	<b>170 mg/Nm<sup>3</sup></b>	<b>160 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>	
Tank capacity	<b>~15</b>	<b>~18</b>
Dimensions (WxDxH - cm)	<b>51,5x48x103</b>	<b>51,5x52x118</b>
Flue gas outlet	<b>upper or rear</b>	
Can be ducted	<b>no</b>	

full technical data on page 136



1.backfires impossible 2.overpressure system 3.maximum quietness 4.direct air with forced ventilation 5.air intake from outside 6.flue gas upper/rear outlet 7.multi-fuel patented burner



Pearl  
[M-PE]



Smoke gray  
[M-GF]



Met red  
[M-RM]

# CIPPATINA

## MAKE YOUR HEATING AND YOUR SAVINGS

CS THERMOS thought, designed and manufactured the first stove that can burn wood chips, and pellet as well.

FUELS THAT CAN BE USED  
with the size of the fuel exceeding 4 mm or pelletised



wood pellet



agripellet,  
waste from  
cereal and  
pruning



pelletised  
vine pruning



coffee  
grounds  
pellet



wood chips

# CIPPATINA

It is a real innovation in the domestic heating that uses solid combustibles because it allows to burn traditional pellet but also wood calibrated chips Class A1 (P16A, M10). \*\*\*

The easier processing that wood chips involve compared to pellets and the possibility of producing them with branches and pruning, make them economically advantageous. In addition, by using small wood chippers already in the market, you can independently produce your chips for domestic heating.



Power	<b>3÷12 Kw</b>
Heated volume	<b>86÷370 m<sup>3</sup></b>
Performance	<b>90,26%</b>
CO emissions at 13% O <sup>2</sup>	<b>190 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity (wood chips/pellet)	<b>~14 / ~28</b>
Dimensions (WxDxH - cm)	<b>66x53x131</b>
Flue gas outlet	<b>upper or rear</b>
Can be ducted	<b>yes</b>

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1.backfires impossible 2.overpressure system 3.anti-dust filter 4.maximum quietness 5.direct air with forced ventilation 6.can be ducted 7.air intake from outside 8.flue gas upper/rear outlet 9.multi-fuel patented burner 10.thermostat for air ducting 11.remote control through GSM or App

\*\*\*

P16A indicates chips size < 16mm.  
M10 indicates humidity value < 10%.  
Norm UNI EN 14961-4



Soft black  
[M-NS]

# PELLET STOVES AND INSERT

## FUELS THAT CAN BE USED

Wood pellet diameter 6÷8 mm and length 5÷20 mm



wood pellet

# ANDY

A minimalist design distinguishes this pellet stove with traditional burner. It is equipped with the new high performance combustion chamber and maintains all the silence and safety features of CS Thermos products.

Hermetic closure of the fuel tank.



Power	<b>3÷8 Kw</b>
Heated volume	<b>86÷230 m<sup>3</sup></b>
Performance	<b>88,2%</b>
CO emissions at 13% O <sup>2</sup>	<b>178 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~12</b>
Dimensions (WxDxH - cm)	<b>46x49x106</b>
Flue gas outlet	<b>upper/rear</b>
Can be ducted	<b>no</b>

*full technical data on page 136*



1.backfires impossible 2.overpressure system 3.maximum quietness 4.direct air with forced ventilation 5.air intake from outside 6.flue gas upper/rear outlet 7.remote control through GSM or App



White  
[M-BI]



Soft black  
[M-NS]



Met red  
[M-RM]

# ARMONIA

Its name says it all: a harmony of shapes and a silent functioning, that make us at peace with the world after a busy day. Armonia, covered in fine handmade majolica, excellent heat accumulator, creates a real piece of paradise in our home, where it deserves a place of prestige.



Power	<b>3÷11,7 Kw</b>
Heated volume	<b>86÷270 m<sup>3</sup></b>
Performance	<b>81%</b>
CO emissions at 13% O <sup>2</sup>	<b>487 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~14</b>
Dimensions (WxDxH - cm)	<b>73x59x104</b>
Flue gas outlet	<b>rear</b>
Can be ducted	<b>no</b>

*full technical data on page 136*



1.direct air with forced ventilation 2.maximum quietness 3.air intake from outside



Cream  
[C-CR]

# ECONOMICA

The perfect pellet-burning cooker: the warm air is diffused by fan from the front grilles, while the cooking plate (steel AISI 430, 8mm thickness) allows to cook tasty food. Lifting the lid near the plate, you can quickly load the pellets into the tank. Having standard module dimensions 60x60cm, it can be inserted in modern modular kitchens and bring the joy of fire in interiors where spaces are exploited to the last detail.



Power	<b>3÷7 Kw</b>
Heated volume	<b>86÷160 m<sup>3</sup></b>
Performance	<b>80%</b>
CO emissions at 13% O <sup>2</sup>	<b>178 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~12</b>
Dimensions (WxDxH - cm)	<b>60x60x85</b>
Flue gas outlet	<b>upper or rear</b>
Can be ducted	<b>no</b>

*full technical data on page 136*



**1.**cucine a pellet **2.**direct air with forced ventilation **3.**maximum quietness



Ceramic copper  
[M-RC]



Matt black  
[M-NO]

# INSERTO SKYLINE

The harmony of lines of Inserto Skyline is accentuated by its reduced dimensions, which facilitate the insertion into an existing niche. Thanks to the uniqueness of its combustion chamber, it evenly and pleasantly distributes heat around the fire box door. Simple and comfortable access to periodic cleaning, that can be carried out from the fire box door without having to dismantle any fixed component.

Power	<b>3÷9 Kw</b>
Heated volume	<b>86÷220 m<sup>3</sup></b>
Performance	<b>82%</b>
CO emissions at 13% O <sup>2</sup>	<b>250 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~18</b>
Dimensions (WxDxH - cm)	<b>73x54x55</b>
Flue gas outlet	<b>upper or rear</b>
Can be ducted	<b>no</b>

full technical data on page 136



1.backfires impossible 2.maximum quietness  
3.direct air with forced ventilation 4.air intake from outside



art. **1905520**  
Optional sliding guides kit to extract the insert from the niche.



art. **1905570**  
Kit flue gas outlet, works with the guide kit.



Easy pellet loading while the insert is functioning, using the practical tank chute.



# SKYLINE FINISH

It's the same Inserto Skyline appliance, with identical technical specifications, which comes in a different covering to offer new possibilities of installation and furnishing.

Power	<b>3÷9 Kw</b>
Heated volume	<b>86÷220 m<sup>3</sup></b>
Performance	<b>82%</b>
CO emissions at 13% O <sup>2</sup>	<b>250 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Tank capacity	<b>~18</b>
Flue gas outlet	<b>upper or rear</b>
Can be ducted	<b>no</b>

full technical data on page 136



1.backfires impossible 2.maximum quietness  
3.direct air with forced ventilation 4.air intake from outside

## Comfort with bench

It stands on a solid steel bench of the same colour, which becomes a piece of furniture and a base at the same time. It allows a very easy installation since it has no need of a niche. Graphite gray colour and stainless steel top, coated with transparent anti-fingerprint paint.

Dimensions (WxDxH - cm) **160x54x92,5**



Graphite  
[M-GR]

## Fuocovivo

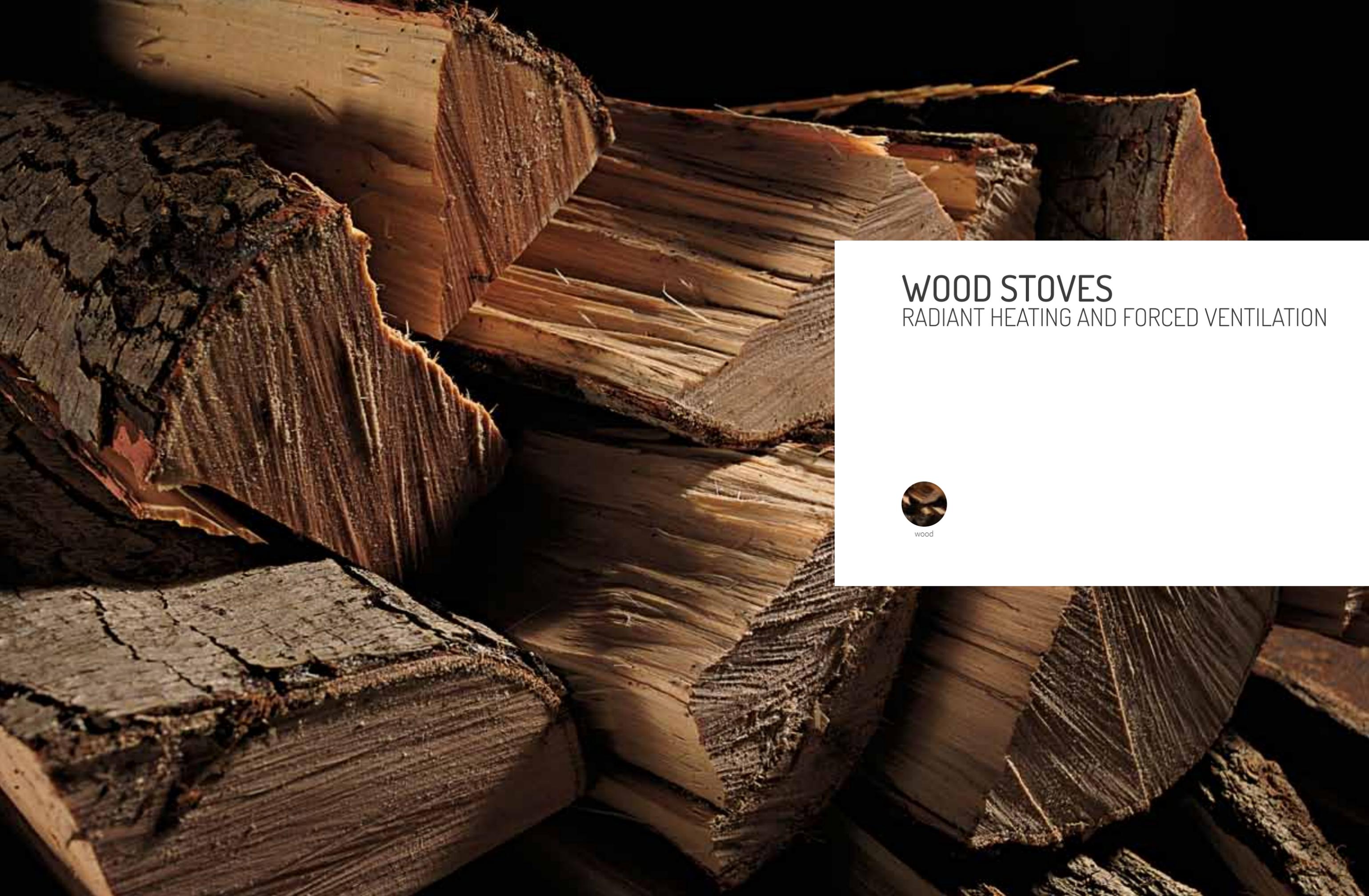
With its 83 cm height, it is ideal for under-window installations or narrow spaces. Graphite gray colour with red top and frame or smoke gray frame and stainless steel top, coated with transparent anti-fingerprint paint.

Dimensions (WxDxH - cm) **87,5x54x83**



Graphite + Red  
[M-GR + M-RO]

Graphite + Smoke gray  
[M-GR + M-GF]



# WOOD STOVES

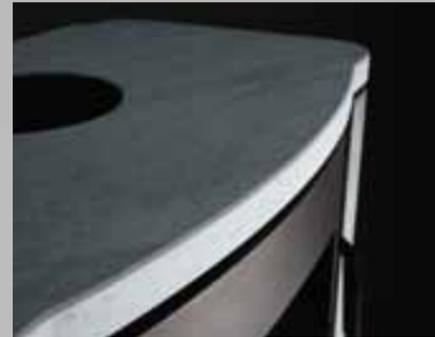
RADIANT HEATING AND FORCED VENTILATION



wood

# ALICE

Alice is for those who, look for a world made to measure and love being surrounded by beautiful things. It is nice to be pleasantly lulled by the fire, and eventually cook some tasty food in the large oven.



Power	<b>10 Kw</b>
Heated volume	<b>200 m<sup>3</sup></b>
Performance	<b>76%</b>
CO emissions at 13% O <sup>2</sup>	<b>0,2</b>
Fuel chamber (WxDxH - cm)	<b>42x30x45</b>
Oven (WxDxH - cm)	<b>40x32x20,5</b>
Dimensions (WxDxH - cm)	<b>85x52x140</b>
Depression at the chimney	<b>10÷12 Pa</b>
Flue gas outlet	<b>upper</b>
Can be ducted	<b>no</b>

*full technical data on page 136*



1. irradiation and natural convection heating



Soapstone  
[P-OL]



Cream  
[C-CR]

# ALADINO

Aladino, with its sinuous and elegant design, gives to your home all the magic of fire that can be appreciated, like in Alice model, from the big panoramic glass as well as from the majolica or stone sides, that gently radiates their warmth.

Power	<b>10 Kw</b>
Heated volume	<b>200 m<sup>3</sup></b>
Performance	<b>74%</b>
CO emissions at 13% O <sup>2</sup>	<b>0,2</b>
Fuel chamber (WxDxH - cm)	<b>42x30x45</b>
Dimensions (WxDxH - cm)	<b>85x52x117</b>
Depression at the chimney	<b>10÷12 Pa</b>
Flue gas outlet	<b>upper</b>
Can be ducted	<b>no</b>

*full technical data on page 136*



**1.** irradiation and natural convection heating



Soapstone  
[P-OL]



Cream  
[C-CR]

# ARIEL

Ariel, with the bold colors of its metal coating and the big panoramic glass, gives to your home all the magic of fire. Magic continues when you use its large oven to cook tasty food.



Power	<b>10 Kw</b>
Heated volume	<b>200 m<sup>3</sup></b>
Performance	<b>76%</b>
CO emissions at 13% O <sup>2</sup>	<b>0,2</b>
Fuel chamber (WxDxH - cm)	<b>42x30x45</b>
Oven (WxDxH - cm)	<b>40x32x20,5</b>
Dimensions (WxDxH - cm)	<b>72x60x139</b>
Depression at the chimney	<b>10÷12 Pa</b>
Flue gas outlet	<b>upper</b>
Can be ducted	<b>no</b>

*full technical data on page 136*



1. irradiation and natural convection heating



Met red  
[M-RM]



Black brill  
[M-NB]

# MELODY

Melody, metal coated, has smaller dimensions compared to Ariel, while maintaining a large panoramic glass that allows a heat radiation of more than 1.500 calories.

Power	<b>10 Kw</b>
Heated volume	<b>200 m<sup>3</sup></b>
Performance	<b>74%</b>
CO emissions at 13% O <sup>2</sup>	<b>0,2</b>
Fuel chamber (WxDxH - cm)	<b>42x30x45</b>
Dimensions (WxDxH - cm)	<b>72x60x117</b>
Depression at the chimney	<b>10÷12 Pa</b>
Flue gas outlet	<b>upper</b>
Can be ducted	<b>no</b>

*full technical data on page 136*



1. irradiation and natural convection heating



Met red  
[M-RM]



Black brill  
[M-NB]

# PRINCIPESSA

Minimal and elegant design, like a real princess. The door is made of steel AISI 430 coated with anti-fingerprint varnish. Possibility to choose up to six levels of forced ventilation or radiation only, for a totally noiseless comfort.

Power	<b>9 Kw</b>
Heated volume	<b>200 m<sup>3</sup></b>
Performance	<b>80,5%</b>
CO emissions at 13% O <sup>2</sup>	<b>0,234</b>
Power levels	<b>6</b>
Fuel chamber (WxDxH - cm)	<b>30x35x40</b>
Dimensions (WxDxH - cm)	<b>53x58x107</b>
Depression at the chimney	<b>10÷12 Pa</b>
Flue gas outlet	<b>upper</b>
Can be ducted	<b>no</b>

*full technical data on page 136*



**1.**irradiation and natural convection heating **2.**maximum quietness **3.**direct air with forced ventilation regulated by thermostat



Soapstone  
[P-OL]



Inox  
[M-IX]

# MORGANA

This is the timeless wood -burning cooker with oven. Consistent with its tradition, it creates in your kitchen the warm atmosphere of the fireplace. But don't be fooled: steel and innovation are its best features! Cooking plate in steel AISI 430, thickness 8 mm.

**Available also with front handle and right or left flue header.**

Power	<b>7 Kw</b>
Heated volume	<b>170 m<sup>3</sup></b>
Performance	<b>80,7%</b>
CO emissions at 13% O <sup>2</sup>	<b>0,30</b>
Fuel chamber (WxDxH - cm)	<b>23x40x30</b>
Oven (WxDxH - cm)	<b>28x40x22</b>
Dimensions (WxDxH - cm)	<b>96x60x84</b>
Depression at the chimney	<b>10÷12 Pa</b>
Flue gas outlet	<b>upper</b>
Can be ducted	<b>no</b>

*full technical data on page 136*



**1.economic cooker 2.irradiation and natural convection heating**



Ceramic copper  
[M-RC]



Red  
[M-RO]



Ivory  
[M-AV]

# TRILLI

The compact size, 60x60cm, is its strength: red or black, it fits to the kitchen and gives it a special touch. Cooking plate in steel AISI 430, thickness 8 mm.

**Available also with front handle.**

**Right flue header.**

Power	<b>6 Kw</b>
Heated volume	<b>150 m<sup>3</sup></b>
Performance	<b>83%</b>
CO emissions at 13% O <sup>2</sup>	<b>0,20</b>
Fuel chamber (WxDxH - cm)	<b>17x36x36</b>
Oven (WxDxH - cm)	<b>24x36x22</b>
Dimensions (WxDxH - cm)	<b>60x60x96</b>
Depression at the chimney	<b>10÷12 Pa</b>
Flue gas outlet	<b>upper</b>
Can be ducted	<b>no</b>

*full technical data on page 136*



**1.economic cooker 2.irradiation and natural convection heating**



Graphite  
[M-GR]



Red  
[M-RO]



# THERMO STOVES AND BOILERS

## WITH MULTI-FUEL BURNER PELLET AND BIOMASS

FUELS THAT CAN BE USED  
with the size of the fuel exceeding 4 mm or pelletised



wood pellet



agripellet,  
waste from  
cereal and  
pruning



pelletised  
vine pruning



coffee  
grounds  
pellet



chopped or  
whole olive  
pits



shells



cherry pits



corn mixed  
whit wood  
pellet



*Teji hlo*

# TESI H2O

It takes up little space and easily fits in your interior, where it heats the radiator's water and also spreads out over 1.500 Kcal/h through the glass door. Cleaning is very quickly done, with no need to disassemble anything: the exchangers are perfectly clean within a few minutes thanks to a practical system of brushes. Just like the Venexia and Murano models, it is fitted with all the hydraulic safeties and also: 8 lt. expansion vase, 3-way diverter valve and electronic circulator. A 26 kg pellet hopper allows a great operation autonomy.

**Anti-condensation valve to be installed.**

- › On the return circuit, a chemical-physical water treatment system must be installed, for instance a magnetic dislimer.
- › Standard sliding lid of fuel tank. Optional hinged lid available with display in the top panel.



Introduced power	<b>16 Kw</b>
Total power output	<b>14,5 Kw</b>
Power output to water	<b>12 Kw</b>
Heated volume	<b>410 m<sup>3</sup></b>
Performance	<b>91,94%</b>
CO emissions at 13% O <sup>2</sup>	<b>172 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>
Dimensions (WxDxH - cm)	<b>96x35x129</b>
Flue gas outlet	<b>upper or rear</b>

full technical data on page 136



1.backfires impossible 2.overpressure system 3.flue gas upper/rear outlet 4.multi-fuel patented burner 5.radiant heating from the glass 6.water heating 7.air intake from outside 8.remote control through GSM or App



Antique white stone  
[P-BA]

Soapstone  
[P-OL]

Slate  
[P-AR]

White  
[M-BI]

Met red  
[M-RM]

# VENEXIA

It is the new range of CS Thermos thermo stoves. It is a generation of thermo stoves designed to achieve important yields and a high output to water, thanks to the greater exchange surface. The double colored door of Venexia frames the hearth glass and enhance the flame, making the handle and other technical details invisible, with an effect of elegant simplicity. The models are equipped with all safety devices and also: 3-way diverter valve with priority to DHW system, electronic circulator, 8 lt. expansion tank.

**Anti-condensation valve to be installed.**



*On the return circuit, a chemical-physical water treatment system must be installed, for instance a magnetic dislimer.*



	25	21	18	15
Introduced power	<b>25 Kw</b>	<b>21 Kw</b>	<b>18,4 Kw</b>	<b>16,5 Kw</b>
Total power output	<b>22,6 Kw</b>	<b>19 Kw</b>	<b>17 Kw</b>	<b>15,4 Kw</b>
Power output to water	<b>20,5 Kw</b>	<b>17,5 Kw</b>	<b>15,3 Kw</b>	<b>13,6 Kw</b>
Heated volume	<b>640 m<sup>3</sup></b>	<b>540 m<sup>3</sup></b>	<b>470 m<sup>3</sup></b>	<b>430 m<sup>3</sup></b>
Performance	<b>93,30%</b>	<b>93,40%</b>	<b>92,50%</b>	<b>93,30%</b>
CO emissions at 13% O <sup>2</sup> (mg/Nm <sup>3</sup> )	<b>196</b>	<b>155</b>	<b>215</b>	<b>167</b>
Power levels	<b>6</b>			
Dimensions (WxDxH - cm)	<b>62x63x130</b>		<b>62x56x121</b>	
Flue gas outlet	<b>upper or rear</b>			

*full technical data on page 136*



**1.**backfires impossible **2.**overpressure system **3.**flue gas upper/rear outlet **4.**multi-fuel patented burner **5.**radiant heating from the glass **6.**water heating **7.**air intake from outside **8.**remote control through GSM or App



Inox  
[M-IX]



Pearl  
[M-PE]



Met red  
[M-RM]

# MURANO

It's a thermo stove designed to achieve important yields and a high output to water, thanks to the greater exchange surface.

The special ceramic coating gives to Murano its personality and elegance. The models are equipped with all safety devices and also:

- » 3-way diverter valve with priority to DHW system
- » electronic circulator
- » 8 lt. expansion tank

**Anti-condensation valve to be installed.**

- » On the return circuit, a chemical-physical water treatment system must be installed, for instance a magnetic dislimer.



	18	15
Introduced power	<b>18,4 Kw</b>	<b>16,5 Kw</b>
Total power output	<b>17 Kw</b>	<b>15,4 Kw</b>
Power output to water	<b>15,3 Kw</b>	<b>13,6 Kw</b>
Heated volume	<b>470 m<sup>3</sup></b>	<b>430 m<sup>3</sup></b>
Performance	<b>92,50%</b>	<b>93,30%</b>
CO emissions at 13% O <sup>2</sup>	<b>215 mg/Nm<sup>3</sup></b>	<b>167 mg/Nm<sup>3</sup></b>
Power levels	<b>6</b>	
Dimensions (WxDxH - cm)	<b>68x56x120</b>	
Flue gas outlet	<b>upper or rear</b>	

*full technical data on page 136*



1.backfires impossible 2.overpressure system 3.flue gas upper/rear outlet 4.multi-fuel patented burner 5.radiant heating from the glass 6.water heating 7.air intake from outside 8.remote control through GSM or App



Milky white  
[C-BL]



Vanilla  
[C-VA]



Bordeaux  
[C-BX]



# LYRA

CERTIFIED ACCORDING TO EUROPEAN STANDARD EN 303-5 / 2012

## boiler range dedicated to the technical room

The boilers Lyra have a wide exchange surface and thus ensure heating of large areas and excellent water yields.

The advantages make them extremely comfortable and suitable to provide healthy heat using environmentally sustainable fuels:

- » electronic modulation
- » self-cleaning brazier in cast iron
- » very large ash tray
- » advanced electronics
- » possibility of switching summer / winter
- » daily / weekly programming
- » compact and elegant design
- » remote control with backlit graphic display

These machines, in addition to being equipped with all electronic, mechanical and hydraulic safety devices required by the regulations in force, are equipped with:

- » **thermostatic mixing valve** (anti-condensation)
- » electronic circulator
- » 8 liters expansion vase
- » 3-way diverter valve with priority to DHW system
- » manometer to read system pressure

*It is recommended to install a hydraulic separator and/or a puffer on the system to optimize operation. The buffer capacity will vary depending on the water content of the system.*

» On the return circuit, a chemical-physical water treatment system must be installed, for instance a magnetic dislimer.

	16	19	23	27
Introduced power (Kw)	18,1	21,0	24,0	28,2
Power output to water (Kw)	17,0	19,6	22,3	26,1
Heated volume (m <sup>3</sup> )	420	500	580	680
Performance %	93,7	93,7	93,0	92,6
CO emissions at 10% O <sup>2</sup> (mg/Nm <sup>3</sup> )	120	153	185	230
Power levels	6			
Dimensions (WxDxH - cm)	80x77,5x133			
Flue gas outlet	upper or rear			

*full technical data on page 136*



1.backfires impossible 2.overpressure system 3.flue gas upper/rear outlet 4.multi-fuel patented burner 5.water heating 6.air intake from outside 7.class 5 8.remote control through GSM or App 9.remote control



Lyra Boiler



Lyra Boiler +  
DHW system



Lyra Boiler + DHW system + tank



90 liters  
DHW system  
sanitary hot water



220÷240 Kg  
optional fuel tank



#### Boiler range dedicated to the technical room

The boilers Lyra have a wide exchange surface and thus ensure heating of large areas and excellent water yields.

The advantages make them extremely comfortable and suitable to provide healthy heat using environmentally sustainable fuels:

- electronic modulation
- self-cleaning brazier in cast iron
- very large ash tray
- advanced electronics
- possibility of switching summer / winter
- daily / weekly programming
- compact and elegant design

These machines, in addition to being equipped with all electronic, mechanical and hydraulic safety devices required by the regulations in force, are equipped with:

- thermostatic mixing valve (anti-condensation)
- electronic circulator
- 8 liters expansion vase
- 3-way diverter valve with priority to DHW system
- manometer to read system pressure

#### The boilers are complete and equipped with the following components

##### ✓ kit for DHW circuit

- 3-way valve
- electronic circulator system
- DHW probe

##### ✓ hydraulic safety devices kit

- expansion vase
- 3 bar outlet valve
- automatic vent valve
- system drain
- thermostatic mixing valve (anti-condensation)

#### Boiler range dedicated to the technical room

##### ✓ mechanical safety devices

- 3 bar outlet valve
- boiler thermostat
- air pressure switch
- water pressure switch

##### ✓ electrical safety devices

- inductive sensors that constantly check the position of motors rotation
- flue gas probe

#### On request

##### ✓ 90 liters hot water tank

##### ✓ optional fuel tank

you can increase the working autonomy by means of an additional loading system, composed of:

- optional fuel tank 0,38 m<sup>3</sup> (220÷240 kg)
- nr.1 level sensors and nr.1 additional electronic board
- loading endless screw

#### Remote control (optional)

Remote control CR011 is a programmable chronothermostat that manages the thermoregulation of the heating system. You can also read the main boiler status information (boiler temperature, DHW temperature, smoke temperature, fault or alarm display) via the communication bus connection.

# HOT AIR GENERATOR (GAC)



The experience of over thirty years of work in the heating field allows us to think, design and manufacture reliable and high-performance machines. The knowledge gained over time by creating and after-sale servicing of gas and oil hot air generators, now it allows us to propose the new solid fuel powered air generator.

The wood pellets, one of the most used bio-solid fuel in recent years, is one of the main sources of savings in energy production, and the use for heating allows to reduce costs compared to traditional fossil fuels, including gasoline and gas.

Biomass, as a source of sustainable and low cost energy, helps to save money and to respect the environment.

Our air heaters operate at a fixed set power (variable on 3 levels: P max - P medium - P min) manageable by the user menu and already stored in the electronic board.

The various power levels allow to make the product work according to the individual needs, optimizing the operation of the generator even in the intermediate seasons, when it is not necessary to use it at maximum power.

Upon reaching the temperature set by the user via an external thermostat, the GAC will move to off condition; the machine will restart upon request of the thermostat, in accordance with the graduated scale.

You can store the fuel inside the loading tank of Kg. 500 and/or inside the big-bag of Kg. 1000, as from the images below.

Our hot air generators (GAC) are synonymous with robustness, security, performance and energy savings. CS Thermos always selects solid and reliable materials to ensure our customers the certainty of having chosen a high quality product.

- » can be ducted
- » combustion chamber entirely made of steel
- » fuel and ash transportation system through steel augers
- » ash compartment on wheels for easy emptying
- » patented system for brazier cleaning and safety flame backstop
- » burner's extraction on guides with rotation possibility for easy cleaning and control operation
- » Automatic cleaning of combustion chamber and heat exchanger
- » mechanical and electronic systems of protection and security
- » electronic motherboard of management control and display
- » high efficiency centrifugal hot air fan with belt transmission
- » forced draft burners
- » "clean contact" on board for any eventual alarm signaling (by user)



Manual tank 500 Kg  
with possibility of installation right or left

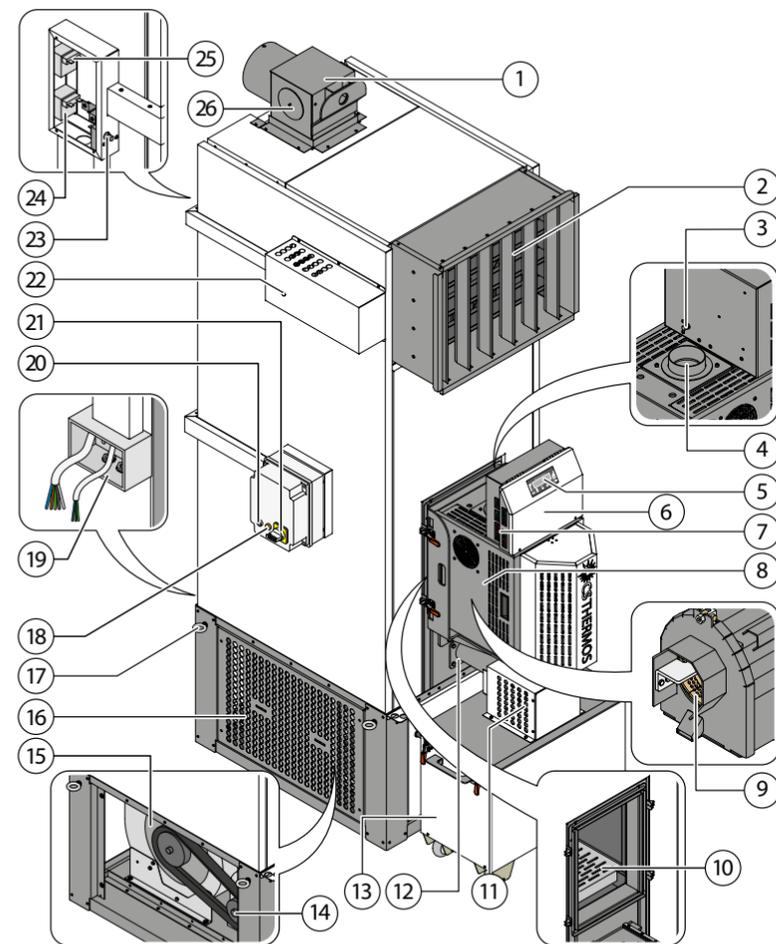


Big bag tank 1.000 Kg  
with possibility of installation right or left



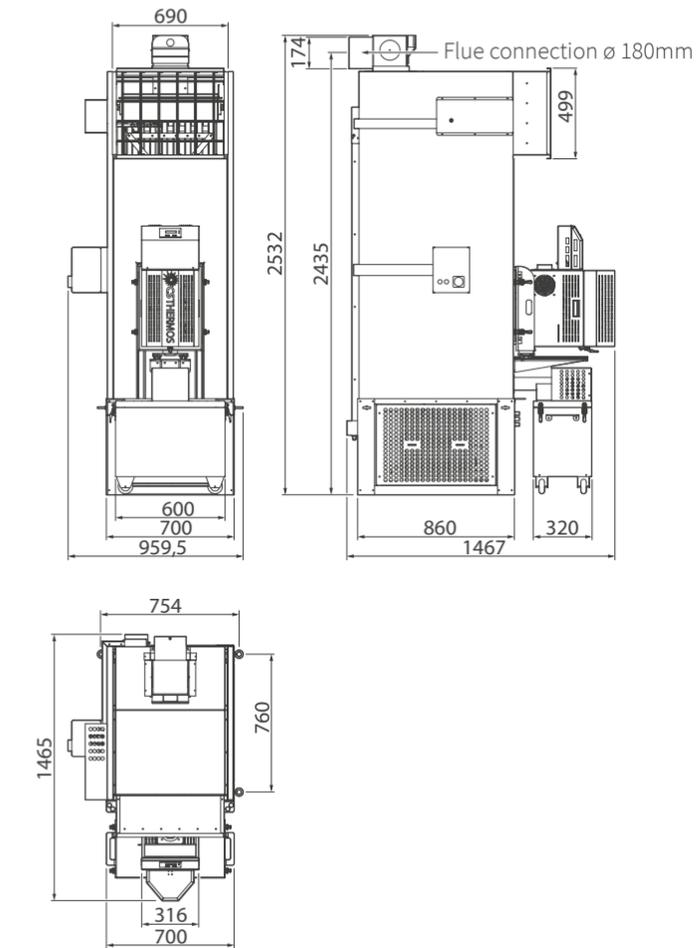


- a:** Hot air spout with adjustable bulkheads; coupling mouth for optional ducting
- b:** high efficiency centrifugal hot air fan with belt transmission
- c:** ash compartment on wheels for easy emptying
- d:** burner's extraction on guides with rotation possibility for easy cleaning and control operation

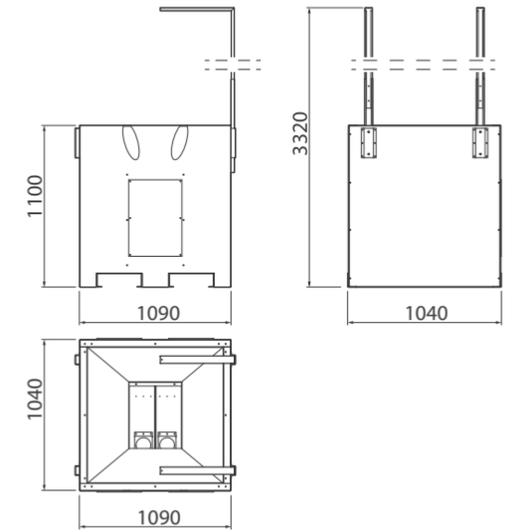


1. Flue gas
2. Hot air outlet
3. Auger resetting thermostat
4. Pellet load input
5. Display/control keyboard
6. Serial number plate
7. Inputs for command connectors
8. Burner
9. Combustion chamber
10. Generator's interior
11. Motor for ash transport auger
12. Ash transport auger
13. Ash tray
14. Fan Motor
15. Fan
16. Protection and ventilation grid
17. Eyebolts for transport
18. Fan error light indicator
19. Box for electrical connection and thermostat connection
20. Button to control fan rotation
21. Switch
22. Turbolators engine
23. Reset thermostat
24. Burner safety thermostat
25. Fan safety thermostat
26. Overpressure system

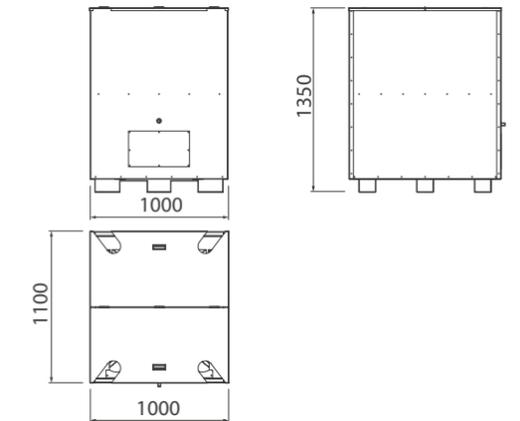
## GENERATOR



## BIG BAG TANK



## MANUAL TANK



		GAC 50	GAC 70	BIG BAG TANK	MANUAL TANK
Fire box thermal power (wood pellets fuel)	kW	49,5	73,7		
Fire box nominal power (wood pellets fuel)	kW	43,0	64,2		
Performance (wood pellets fuel)	%	86,8	87,0		
Co 13% nominal	mg/Nm <sup>3</sup>	150	410		
Pbbt	mg/Nm <sup>3</sup>	17,4	17,4		
Fuel		wood pellet	wood pellet		
Consumption at full power (wood pellets fuel)	Kg/h	10,6	15,2		
Air fan capacity	mc/h	4.000	5.500		
Pellet tank capacity	Kg			1000	500
Ash drawer capacity	lt	65	65		
Flue gas output diameter	mm	180	180		
Flue temperature	°C	max 210	max 210		
Electrical power supply (three-phase)	V	380~	380~		
Maximum absorption	A	2,5	3,1		
Average power consumption in operation	W	1.200	1.600		
Dimensions (wxdxh)	cm	96 x 146,7 x 253,2	96 x 146,7 x 253,2	109 x 104 x 332	100 x 110 x 135
Net weight	Kg	~550	~570	~150	~150



## PIZZAGRILL THE FOUR-SEASONS BARBECUE

The unique wood-burning barbecue PIZZAGRILL is a multifunction and versatile barbecue, as well as a real pizza oven. The whole range of GPL gas barbecues, GRILL 50-75-100, are quickly lit by means of piezoelectric ignition and are also easy to clean.

**pizzagrill**<sup>®</sup>  
IL BARBECUE QUATTRO STAGIONI

PIZZAGRILL<sup>®</sup> is a trademark of CS THERMOS Srl



wood



gas



# WOOD-BURNING PIZZAGRILL

## 3 IN 1 TO COOK PIZZA, GRILL OR ROAST ON THE SPIT



### PIZZA

**You can easily become good pizza makers and you can cook 2 pizzas together every 5 minutes.**

Perfect pizza cooking is ensured by the particular shape of the cover, which mainly concentrates heat above the pizza and not below, which is essential for this type of food to cook well, Italian excellence. The sliding plate enables you to control cooking without lifting the cover, on which there is a thermometer where you can read the temperature being used. Wood to supply the fire can be also added through the 2 small doors on the side, thus guaranteeing an oven effect without having to lift the cover.



### GRILL

**A minute is enough to change the menu and move from pizza's mode to grill's mode.**

Thanks to its rack system which allows to lower or lift the cooking plate, the Pizzagrill modifies itself according to the menu of the day. We can add a supplementary stainless steel grill to double the cooking surface on embers and be able to serve about 15 people. In this case the stainless steel telescopic poker, extensible from 70 to 130 cm, is very helpful because it allows to move embers without getting too near to the grill and the heat.



### SPIT

**The stainless steel spit works with a planetary gearing and can roast up to 12kg of meat.**

The spit works with a motor of 40W power rating that guarantees a noiseless operation and a considerable endurance to non-stop work. The spit is equipped with a stainless steel dripping-pan that gathers cooking fats. It can be used on traditional barbecues and fireplaces or on the Pizzagrill, as a complementary item that can be fixed to it by means of two stainless steel bases, which support the motor and the rods.



**A vast range of stainless steel accessories is supplied with the Pizzagrill:** a shovel to bake pizza, a small round shovel to turn it round, the 130 cm telescopic ash poker, the large fork, the wood poker, the protection glove and the grill. Without forgetting the flue that conveys fumes away from the chef.

# THE GAS BARBECUE



Three different lengths of cooking plates: 50, 75 and 100 cm to satisfy the requirements of every family. In particular, the 100 cm plate with 4 burners makes it possible to cook for many people with ease. The GRILL50 is available with a smooth plate, while the plate of GRILL75 and GRILL100 can be entirely smooth or half smooth and half lined. The trolley, a much used accessory, is available in two sizes, 75 and 125 cm, and is composed of a stainless steel surface and a graphite-coloured galvanised steel structure painted with outdoor polyester paint.

The solid steel cooking plate, which is 6 mm thick, distributes long-lasting, uniform heat thanks to the broadband burner and accumulation, which is created by virtue of the high thickness of the plate. The gas barbecue, which quickly reaches high temperatures and is hygienic, can cook healthy food, the fats of which are collected in a convenient stainless steel tray that is also easy to clean.

**[EN] Forno pizza per grill 75 e grill 100**  
L'accessorio forno pizza consente di cucinare la pizza usando il calore del barbecue a gas. Con un procedimento estremamente facile sostituite la piastra originale in acciaio con l'accessorio in questione, e siete già pronti a divenire esperti pizzaioli.

**1:** each burner can be adjusted distinctly and autonomously through its knob: this allows to have different temperatures on the plate according to the type of food to be cooked. The piezoelectric ignition is activated by the red button, which is battery operated. All gas barbecues are also equipped with a safety thermocouple which closes gas distribution should the flame go out during use, for example due to a gust of wind. **2, 3:** the 6 mm thickness of the stainless steel plate enables long-lasting, uniform distribution of heat, which reduces cooking times and preserves food nutrients. **4:** the large stainless steel tray collects cooking fats, which cannot come into contact with the fire and create harmful smoke, and is easy to remove and clean. **5:** high quality valves and knobs, similar to the ones used in professional kitchens. **6:** the supplied stainless steel scraper was purposely studied to adhere perfectly to the lines of the plate and thus quickly clean all cooking residues in order to obtain maximum hygiene when using. **7:** the trolleys can have large-sized wheels assembled, which enable easy transport of the grill on grass.



GRILL50

GRILL75

GRILL100

OVEN PIZZA





## EASY CAMPING THE FOLDING SUPPORT

### Easy life with the comfortable folding support.

Easy Camping, which can be placed on the ground to sustain GRILL50. A work surface can be opened on the right side, which is useful as a support for cooking utensils.

### The sequence

Easy and light to handle, it can be quickly folded away after use so that it takes up very little space amongst the camping equipment.



## ACCESSORIES ON REQUEST

PIZZAGRILL

GAS BARBECUES



PIZZAGRILL TROLLEY



EXTRA GRILL



PLANETARY GEARING SPIT (WITH BASES)



BASES FOR SPIT



PROTECTION COVER



OVEN PIZZA



EASY CAMPING



TROLLEY 75



TROLLEY 125



PROTECTION COVER



**TECHNICAL SECTION**  
ICONS, COLORS, DATA, DRAWINGS

# TECHNICAL DATA



BIOMASS AND PELLET STOVES																
LEIRE	P&B	3÷8	86÷230	88,2	178	>38	1,7	20	~15	80	110	620	~195	HV	53,5/60/121	
SINTESI 90	P&B	3÷9	86÷260	91,38	180	>38	1,8	23	~16	80	110	620	~195	HV	54/55/115	
SINTESI 120	P&B	3÷12	86÷370	90,26	190	>38	2,3	29	~20	80	110	620	~220	HV	54/55/123	
LIA PLUS	P&B	3÷8	86÷230	87,11	210	>38	1,7	24	~17	80	90	620	~110	H	55/38/120	
LIA	P&B	3÷8	86÷230	87,11	210	>38	1,7	24	~17	80	90	620	~110	H	55/38/120	
SCRIGNO	P&B	3÷8	86÷230	88,2	178	>38	1,7	16	~12	80	110	620	~130	HV	46/49/106	
CARMEN	P&B	3÷8	86÷230	87,11	210	>38	1,7	20	~17	80	90	620	~120	H	66/45/128	
MAYA	P&B	3÷9,5	86÷270	91	172	>38	1,7	30	~20	80	80	620	~195	HV	60/50/122	
LOREN	P&B	3÷8	86÷230	87,11	210	>38	1,7	24	~17	80	90	620	~125	HV	68/40/120	
SILENZIO	P&B	3÷8	86÷230	91	172	>38	1,6	30	~20	80	80	620	~150	HV	60/50/122	
LIBERA	P&B	3÷9,5	86÷270	91	172	>38	1,7	30	~20	80	80	620	~150	HV	60/50/122	
TESI	P&B	3÷10	86÷280	85,22	220	>38	2,0	28	~18	80	110	620	~180	HV	86/35/119	
TRENDY 90	P&B	3÷9	86÷260	91,38	180	>38	1,8	23	~16	80	110	620	~150	HV	50/54/113	
TRENDY 120	P&B	3÷12	86÷370	90,26	190	>38	2,3	29	~20	80	110	620	~163	HV	50/54/123	
THELMA & LOUISE 90	P&B	3÷9	86÷260	91,38	180	>38	1,8	23	~16	80	110	620	~146	HV	50/54/113	
THELMA & LOUISE 120	P&B	3÷12	86÷370	90,26	190	>38	2,3	29	~20	80	110	620	~154	HV	50/54/123	
NOTABENE 90	P&B	3÷9	86÷260	91,38	180	>38	1,8	23	~16	80	110	620	~135	HV	50/54/113	
NOTABENE 120	P&B	3÷12	86÷370	90,26	190	>38	2,3	29	~20	80	110	620	~150	HV	50/54/123	
BIOLADY	P&B	3÷14	86÷400	86,72	210	>38	2,9	24	~16	80	110	620	~164	HV	63/55/109	
BIOSTILE	P&B	3÷14	86÷400	86,72	210	>38	2,9	24	~16	80	110	620	~154	HV	63/55/109	
DALÌ 90	P&B	3÷9	86÷260	86,90	170	>38	1,8	23	~15	80	110	620	~131	HV	51,5/48/103	
DALÌ 120	P&B	3÷12	86÷350	87,88	160	>38	2,5	28	~18	80	110	620	~157	HV	51,5/48/118	
FLORI 90	P&B	3÷9	86÷260	86,90	170	>38	1,8	23	~15	80	110	620	~117	HV	51,5/48/103	
FLORI 120	P&B	3÷12	86÷350	87,88	160	>38	2,5	28	~18	80	110	620	~140	HV	51,5/52/118	
CIPPATINA	C&P	3÷12	86÷370	90,26	190	>38	2,3	25	14÷28	80	130	650	~175	HV	66/53/131	
PELLET STOVES																
ANDY	P	3÷8	86÷230	88,2	178	>38	1,7	16	~12	80	110	620	~120	HV	46/49/106	
ARMONIA	P	3÷12	86÷270	81	487	>38	2,4	15	~14	80	70	600	~230	H	73/59/104	
ECONOMICA	P	3÷7	86÷160	80	487	>38	1,9	13	~12	80	70	600	~114	HV	60/60/85	
SKYLINE	P	3÷9	86÷220	82	250	>38	1,9	22	~18	80	110	620	~163	HV	73/54/55	
RIV. FUOCO VIVO	P	3÷9	86÷220	82	250	>38	1,9	22	~18	80	110	620	~163	HV	87,5/54/83	
WOOD STOVES																
ALICE	L	10	200	76,00	0,2	3				150			~295	V	85/52/140	
ALADINO	L	10	200	74,00	0,2	3				150			~275	V	85/52/117	
ARIEL	L	10	200	76,00	0,2	3				150			~245	V	72/60/139	
MELODY	L	10	200	74,00	0,2	3				150			~215	V	72/60/117	
PRINCIPESSA	L	9	200	80,5	0,234	3				130			~145	V	53/58/107	
MORGANA	L	7	170	80,7	0,30	2,2				130			~150	V	96/60/84	
TRILLI	L	6	150	83,0	0,20	2				130			~110	V	60/60/85	
BIOMASS THERMO STOVES																
TESI H2O	P&B	16	14,5	12	410	91,94	172	>38	3,2	~26	80	150	700	~240	HV	96/35/129
VENEXIA 25	P&B	25	22,6	20,5	640	93,3	196	>38	5,0	~32	80	150	700	~270	HV	62/63/130
VENEXIA 21	P&B	21	19	17,5	540	93,4	155	>38	4,4	~32	80	150	700	~270	HV	62/63/130
VENEXIA 18	P&B	18,4	17	15,3	470	92,5	215	>38	3,8	~21	80	150	700	~220	HV	62/56/121
VENEXIA 15	P&B	16,5	15,4	13,6	430	93,3	167	>38	3,4	~21	80	150	700	~220	HV	62/56/121
MURANO 18	P&B	18,4	17	15,3	470	92,5	215	>38	3,8	~21	80	150	700	~250	HV	68/56/120
MURANO 15	P&B	16,5	15,4	13,6	430	93,3	167	>38	3,4	~21	80	150	700	~250	HV	68/56/120
BIOMASS BOILERS																
LYRA 16	P&B	18,1	17		420	93,7	120		3,3	~70	80	120	700	280	HV	80/77,5/123
LYRA 19	P&B	21	19,6		500	93,7	153		3,9	~70	80	120	700	280	HV	80/77,5/123
LYRA 23	P&B	24	22,3		580	93,0	185		4,7	~70	80	130	700	300	HV	80/77,5/123
LYRA 27	P&B	28,2	26,1		680	92,6	230		5,5	~70	80	130	700	300	HV	80/77,5/123
HOT AIR GENERATOR																
GAC 50	P	49,5		*	86,8	150		10,6			180	1200	700	550	HV	96/147/253
GAC 70	P	73,7		*	87	410		15,2			180	1600	700	570	HV	96/147/253

# CAPTION

	P=Pellet; B=Biomass; L=Wood; C=Cippato P16A-M10
	Introduced power
	Total power output (water + radiation)
	Power output to water
	Heated volume
	Performance with pellets or wood
	CO emissions at 13% O <sup>2</sup>
	Noise
	Maximum power consumption
	Minimum power autonomy
	Tank capacity
	Flue gas output diameter
	Average operating consumption
	Start-up consumption
	Net weight
	Flue gas outlet: horizontal (H); vertical (V)
	Dimensions L/P/H

\* To be verified with a professional according to the type of environment to be heated.

# NOTES

Electrical power supply V230~/50Hz

\* The heatable volume data are calculated considering a heat demand of the building of 35 W/m<sup>3</sup> using the maximum useful power of the equipment. Perfectly insulated environments and favourable installation and methods have been considered for optimal diffusion of the heat flow generated. Therefore, since there are many possible installation configurations, the technical data in this leaflet are subject to change.

\*\* The data concerning the DHW production have been detected with a DHW temperature setting of 55°C, a cold DHW inlet temperature of 15°C and with the boiler at maximum power.

The fire box thermal power, nominal power and performance are measured by means of a laboratory test in optimal installation conditions.

Consumption at full power. The data were detected by means of a laboratory test in excellent conditions. Hourly consumption can vary on the basis of the type of pellet used and installation performed.

\*\*\* The technical, aesthetic and colour details of the products shown in this catalogue are indicative and non-binding. At its sole discretion and without prior notice, the manufacturer reserves the right to make any technical and aesthetic changes it considers appropriate in order to increase the level of customer satisfaction. Products that exhibit differences related to the natural features of the product are excluded from the warranty, such as natural stone grain or the unevenness of the stone itself (elements that characterize the uniqueness of the individual pieces). Ceramic products with slight shades of color or surface cavities in the ceramic are also excluded from the warranty.

The coatings, in the event of improper use of the product or of accidental breakage; some characteristics of ceramics and natural stone (eg. quibbles, veins) which do not alter the characteristics of the product but which may differ from grain and/or shades of colours compared to the pictures displayed on CS Thermos catalogues.

# BARBECUE AND PIZZAGRILL

model	type of plate	color finish	cm
<b>GAS BARBECUES</b>			
GRILL50	smooth s. steel plate 6mm	inox	48x44x28,5
GRILL75	smooth s. steel plate 6mm	inox	74x44x28,5
GRILL75R	splined s. steel plate 6mm	inox	74x44x28,5
GRILL100	smooth s. steel plate 6mm	inox	100x44x28,5
GRILL100R	splined s. steel plate 6mm	inox	100x44x28,5

## ACCESSORIES ON REQUEST

PIZZA OVEN FOR GRILL 75/100			
TROLLEY FOR GRILL75	graphite painted s. steel; s. steel plane		77x56x70
TROLLEY FOR GRILL125	graphite painted s. steel; s. steel plane		119x56x70
EASY CAMPING - FOLDING SUPPORT	graphite painted stainless steel		90x40x35
PROTECTION COVER 75		green	
PROTECTION COVER 125		green	

## EQUIPMENT ACCESSORIES

1 STAINLESS STEEL SCRAPER			
1 PRESSURE REGULATOR			
1 GAS TUBE WITH HOSE CLAMPS			

## WOOD-BURNING PIZZAGRILL

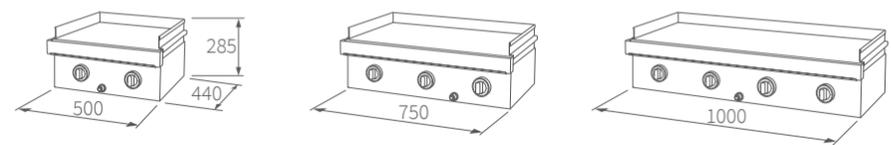
alimentary cordierite plate + s. steel plane	s. steel silver painted	98x86x54
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## ACCESSORIES ON REQUEST

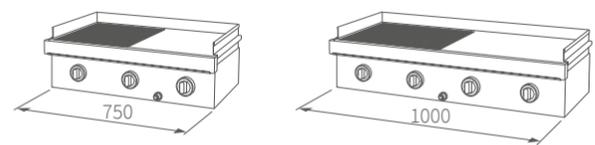
PIZZAGRILL TROLLEY WITH WHEELS AND SUPPORT PLANE	graphite painted s. steel; s. steel plane	86x75x70
PLANETARY GEARING SPIT (WITH BASES)	inox	120x26x35
EXTRA GRILL	inox	75x40x12,5
PIZZAGRILL PROTECTION COVER	blue	

## EQUIPMENT ACCESSORIES

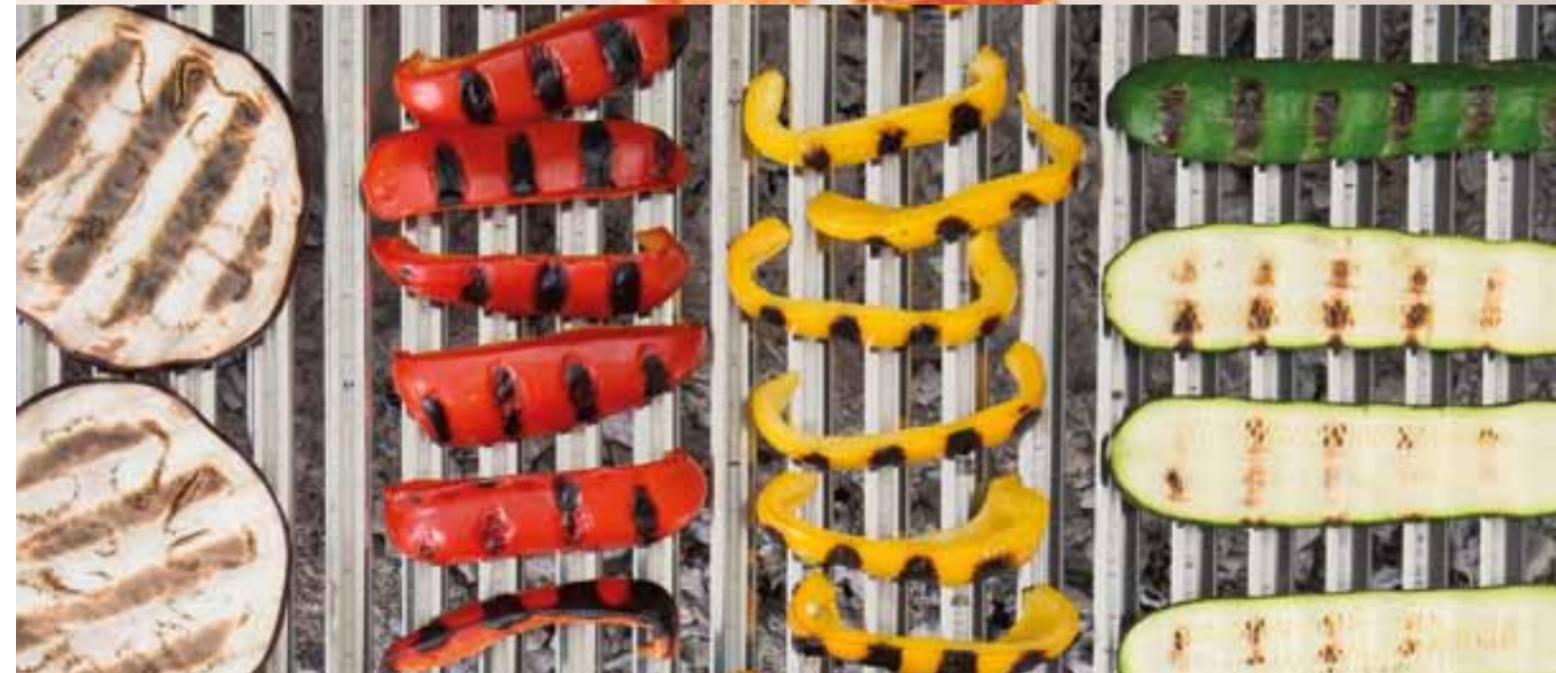
1 GAS FLUE HEADER WITH CAP			
1 STAINLESS STEEL GRILL TO COOK ON EMBERS			
1 SQUARE STAINLESS STEEL SHOVEL TO BAKE PIZZA			
1 ROUND STAINLESS STEEL SHOVEL TO TURN PIZZA			
1 STAINLESS STEEL TELESCOPIC POKER FOR EMBERS 70÷130 CM			
1 FORK			
1 WOOD POKER			
1 PROTECTION GLOVE			



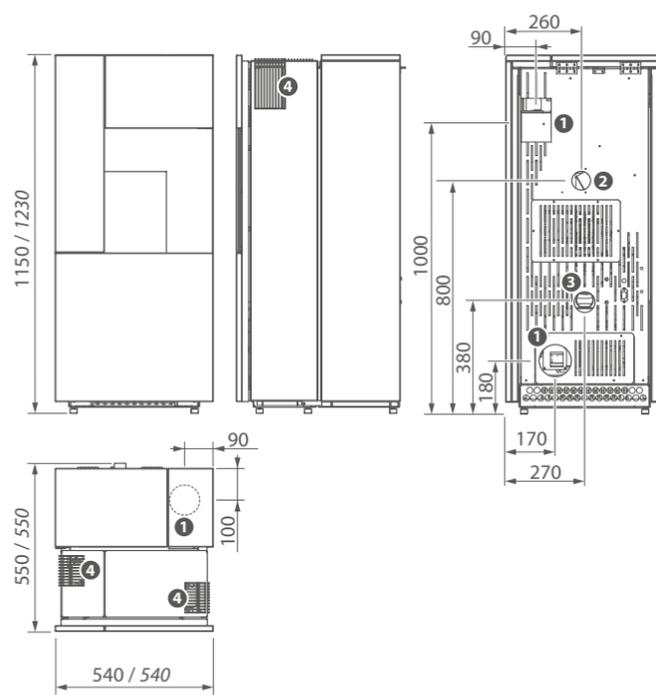
Smooth stainless steel plate



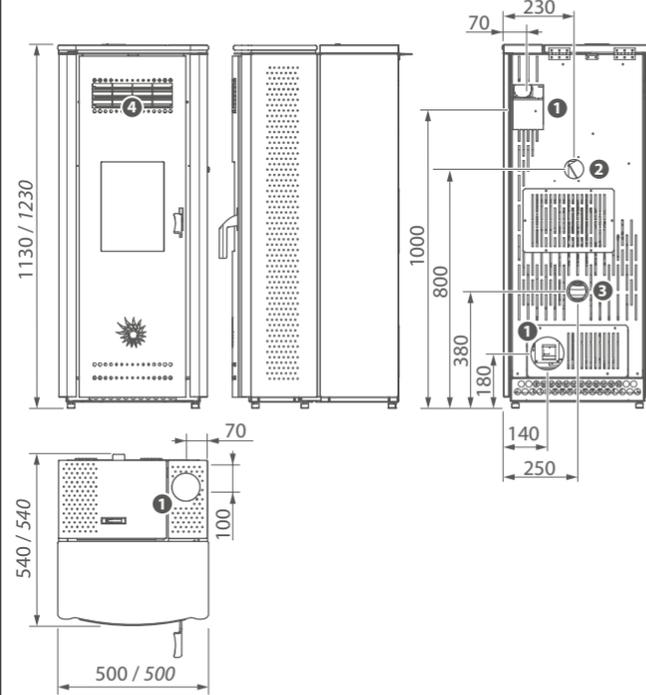
Splined stainless steel plate



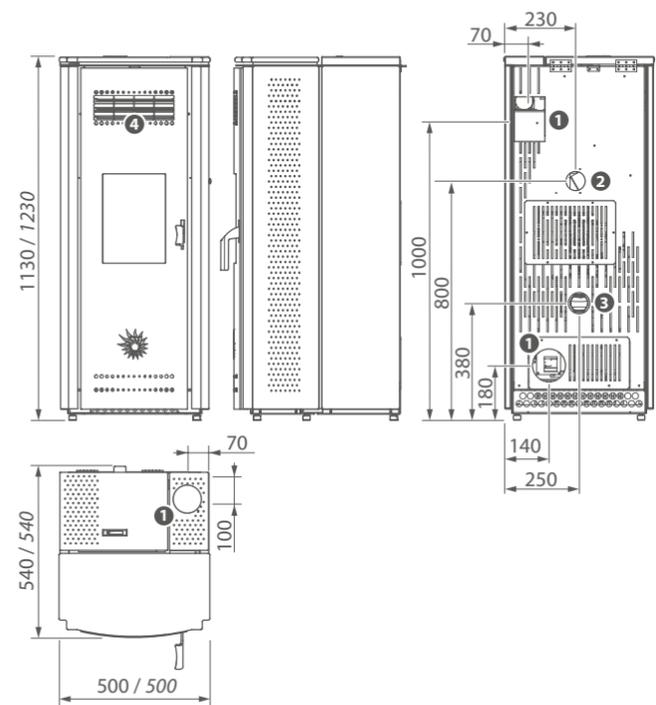
# TECHNICAL DRAWINGS



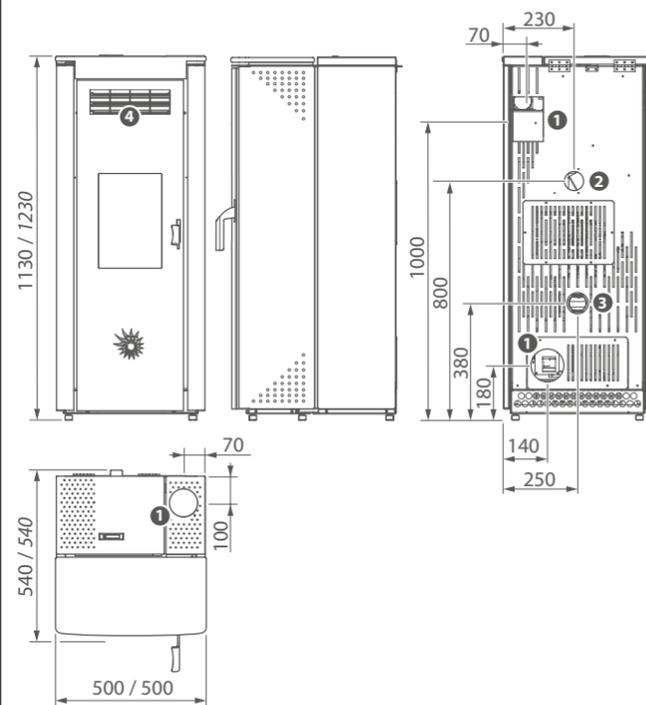
SINTESI 90/120



TRENDY 90/120



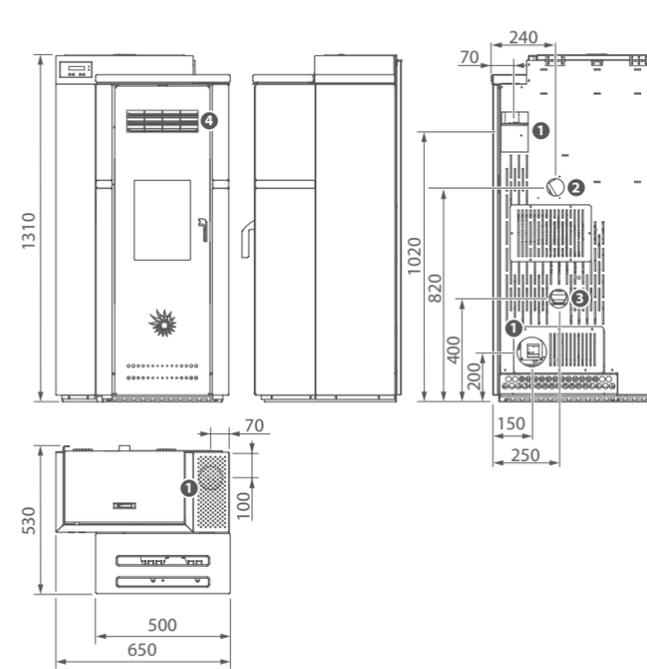
THELMA&LOUISE 90/120



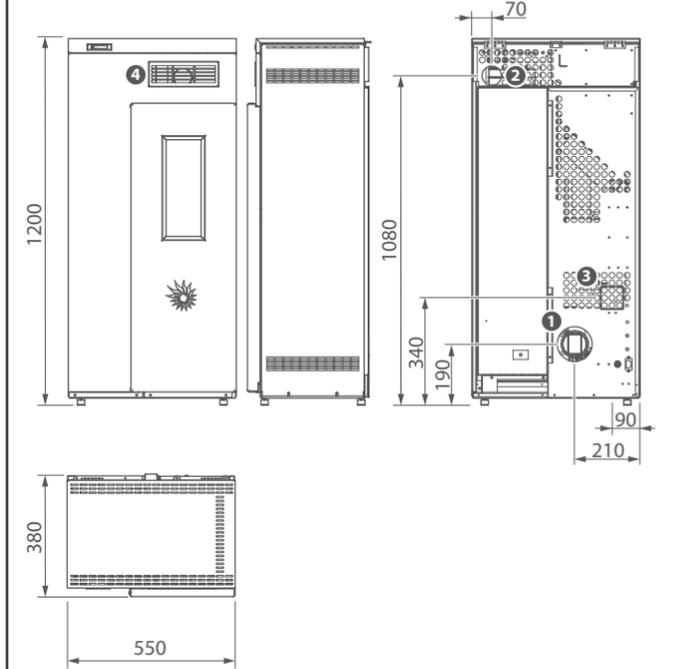
NOTABENE 90/120

- 1 Flue gas discharge
- 2 Duct arrangement

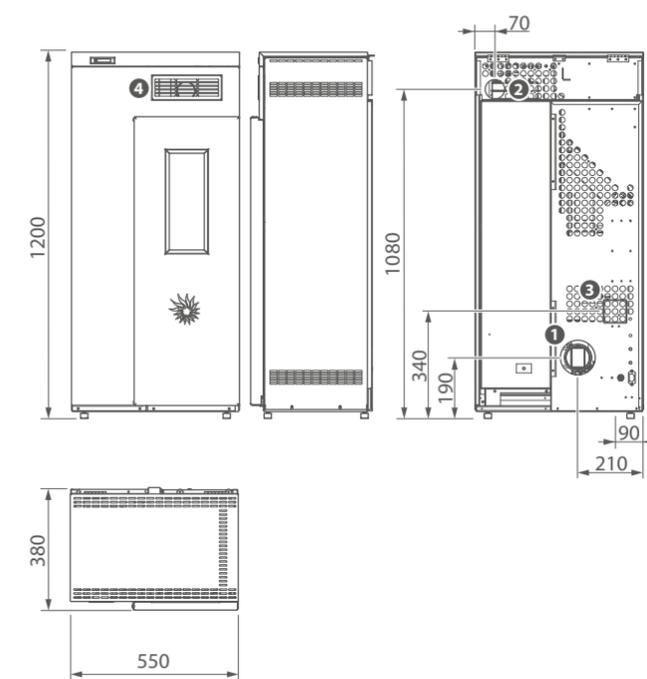
- 3 External air intake
- 4 Hot air outlet



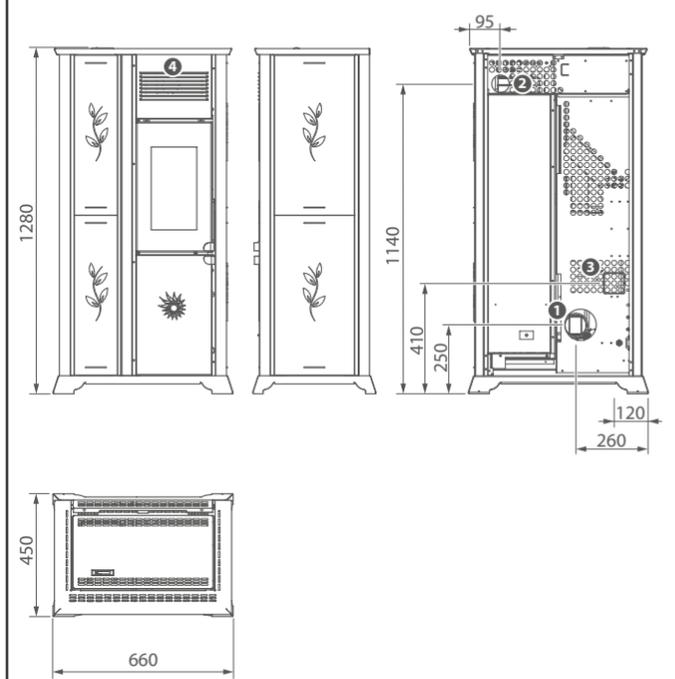
CIPPATINA



LIA



LIA PLUS

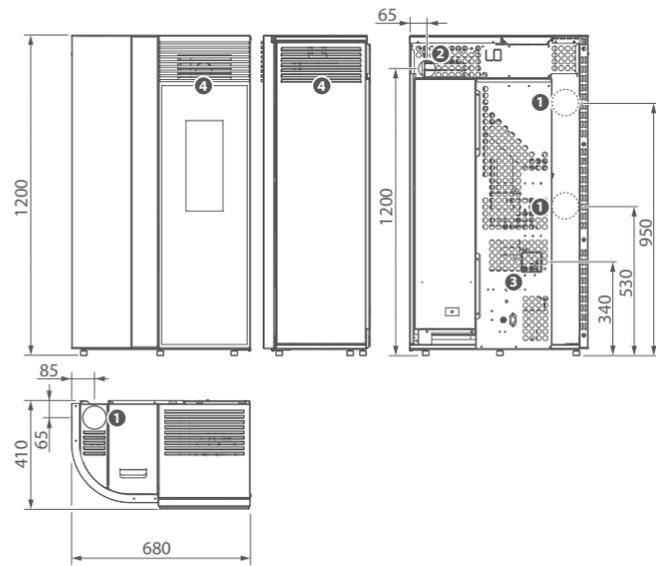


CARMEN

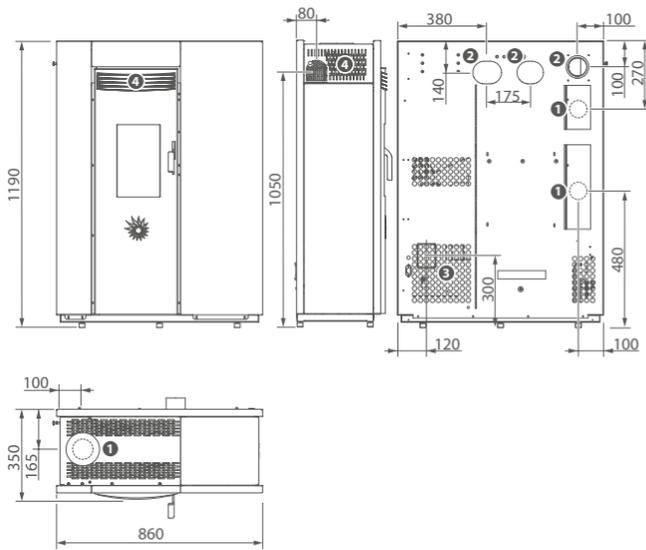
- 1 Flue gas discharge
- 2 Duct arrangement

- 3 External air intake
- 4 Hot air outlet

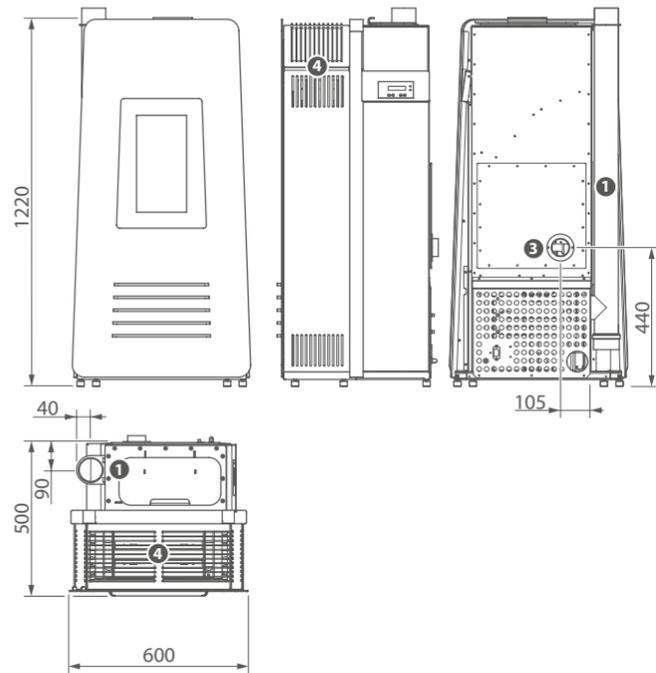
# TECHNICAL DRAWINGS



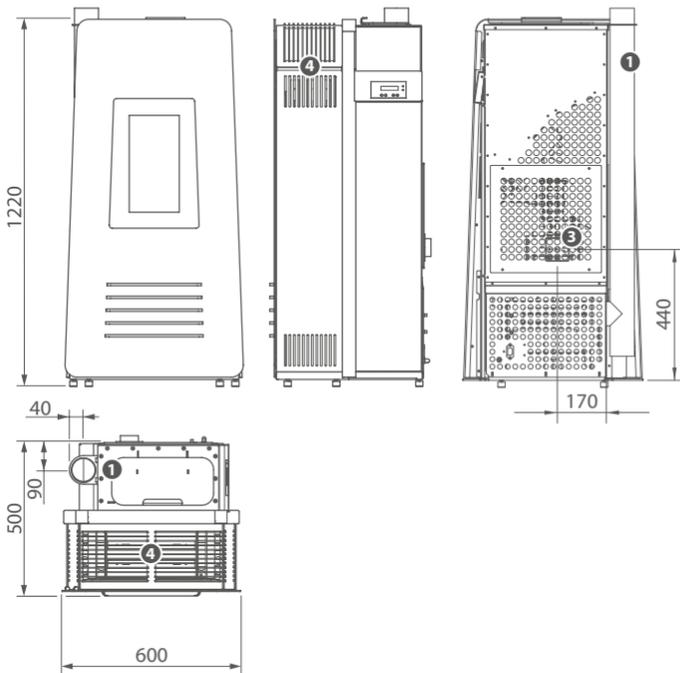
LOREN



TESI



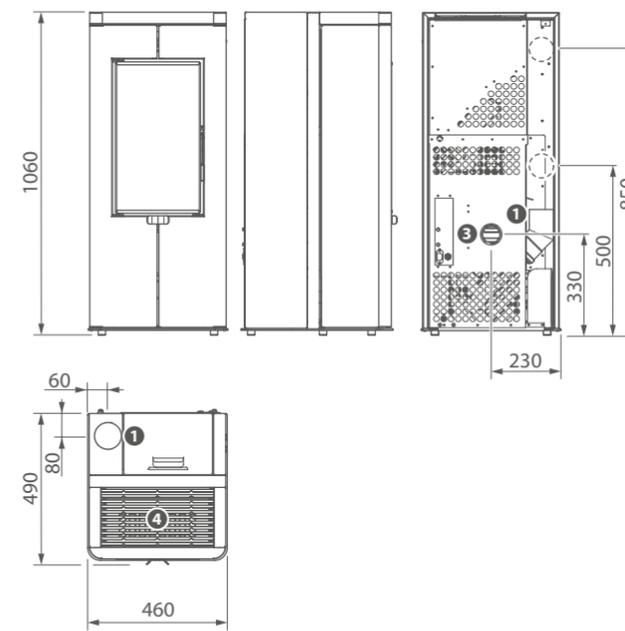
SILENZIO



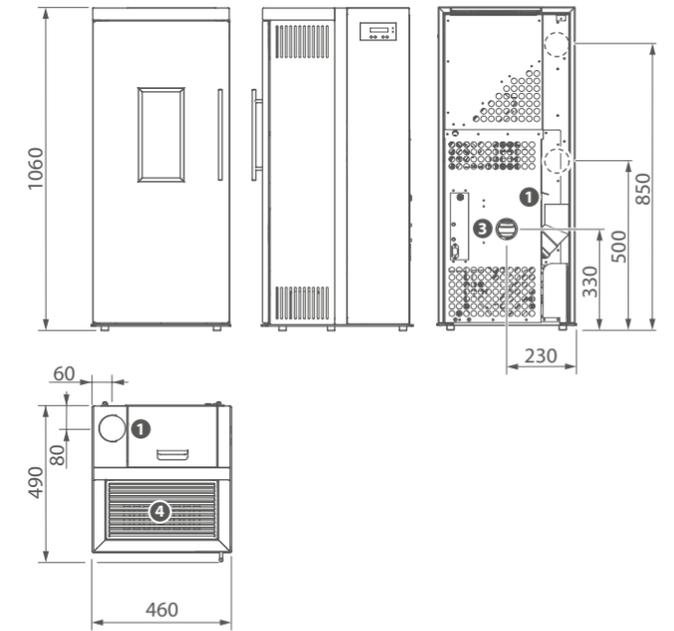
LIBERA

- 1 Flue gas discharge
- 2 Duct arrangement

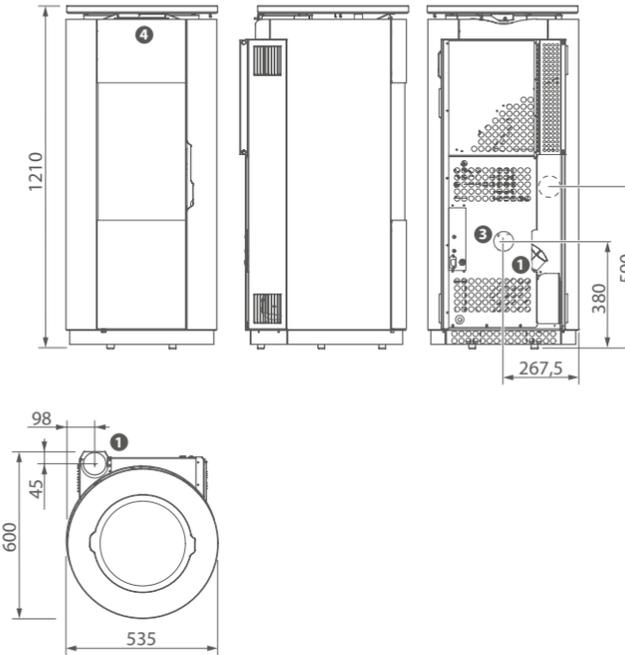
- 3 External air intake
- 4 Hot air outlet



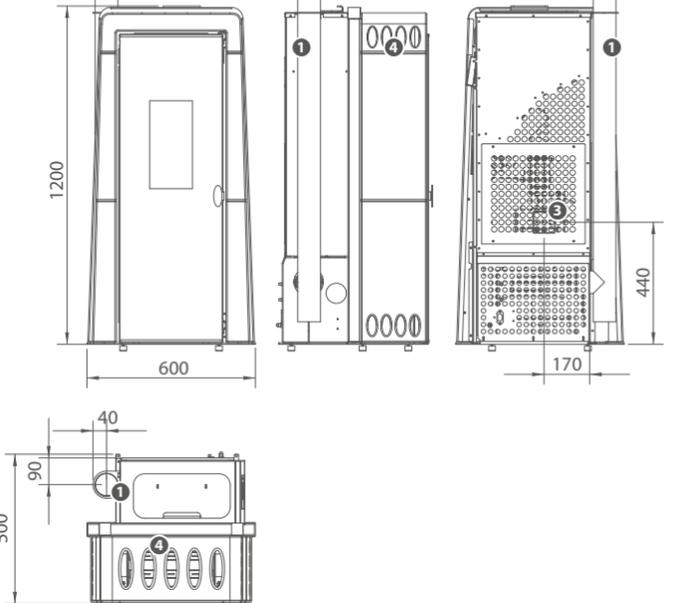
SCRIGNO



ANDY



LEIRE

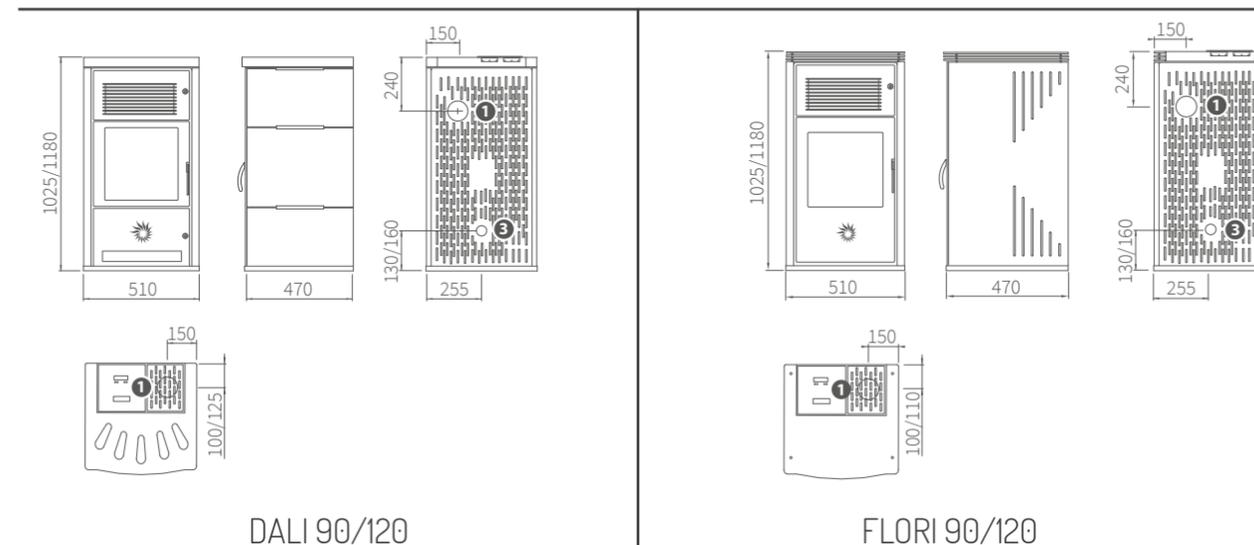


MAYA

- 1 Flue gas discharge
- 2 Duct arrangement

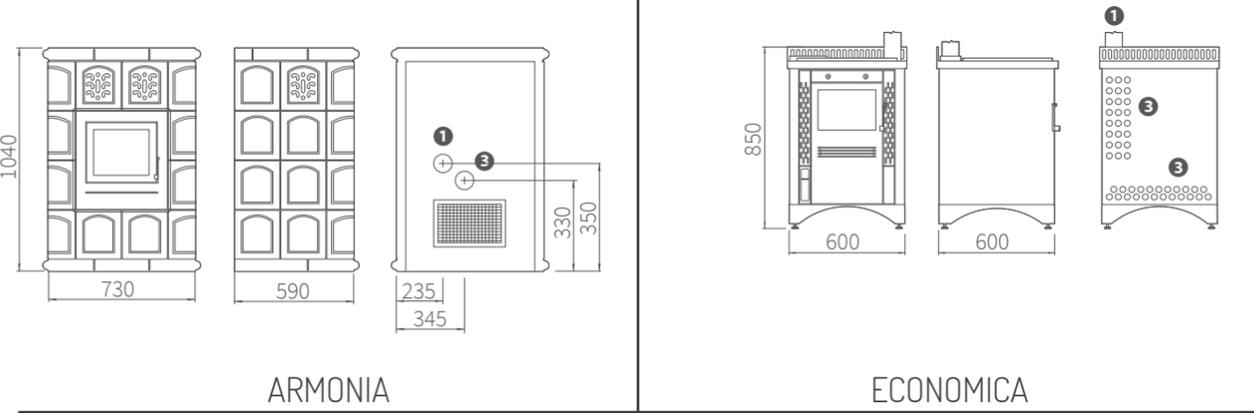
- 3 External air intake
- 4 Hot air outlet

# TECHNICAL DRAWINGS



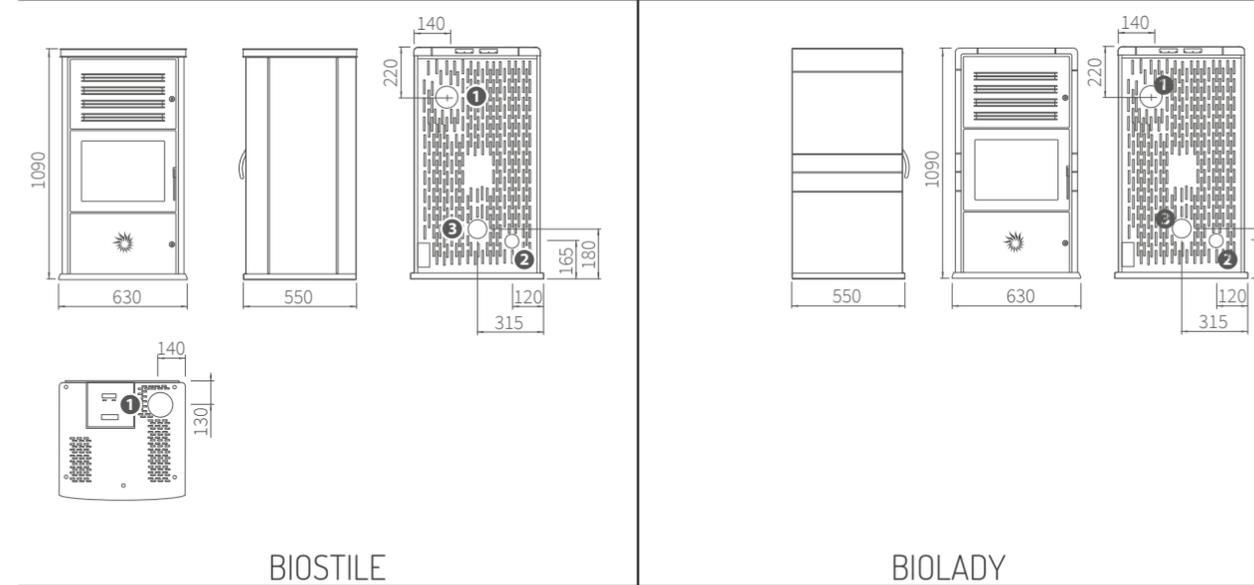
DALI 90/120

FLORI 90/120



ARMONIA

ECONOMICA

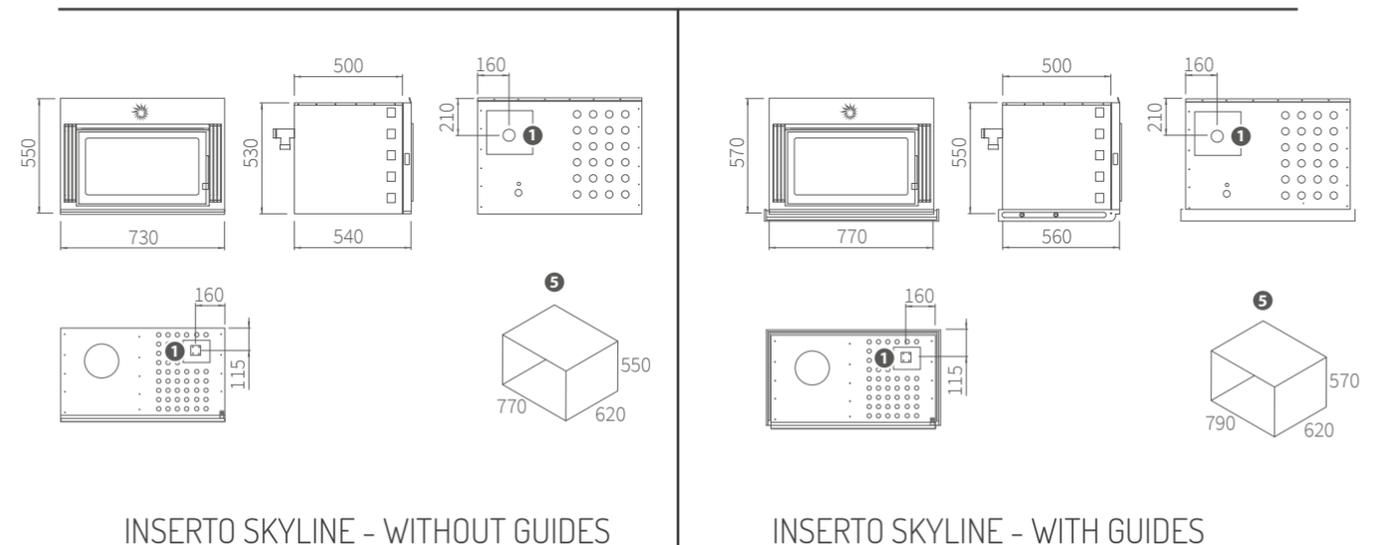


BIOSTILE

BIOLADY

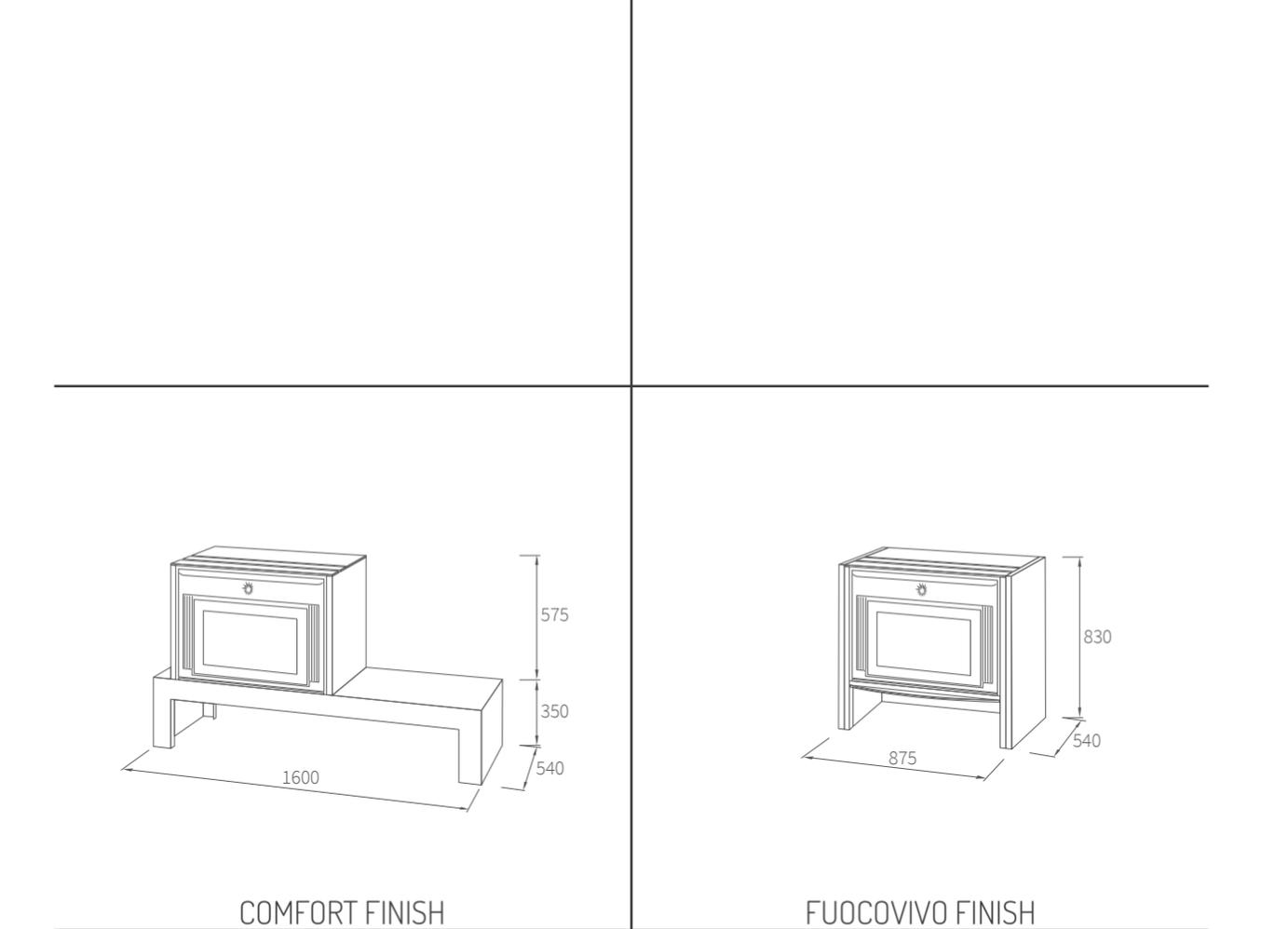
- 1 Flue gas discharge
- 2 Duct arrangement
- 3 External air intake

- 4 Hot air outlet
- 5 Minimum size of the niche (mm)



INSERTO SKYLINE - WITHOUT GUIDES

INSERTO SKYLINE - WITH GUIDES



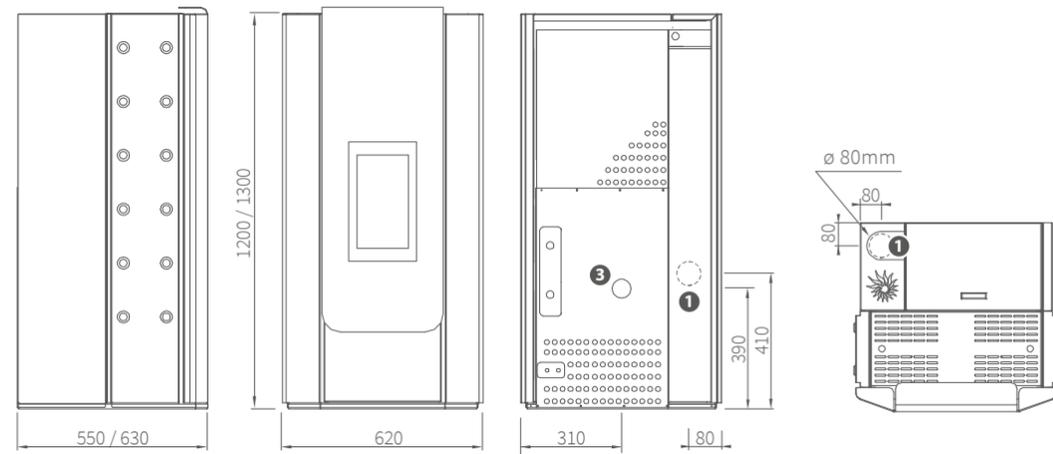
COMFORT FINISH

FUOCO VIVO FINISH

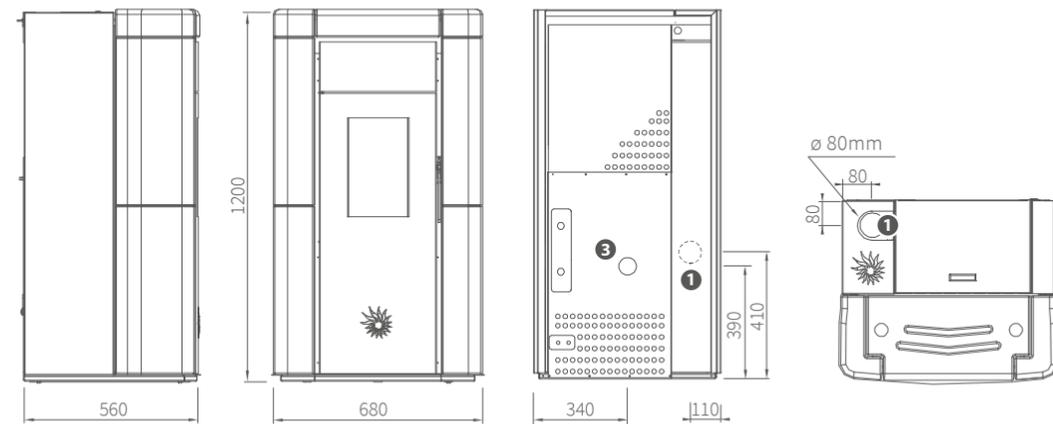
- 1 Flue gas discharge
- 2 Duct arrangement
- 3 External air intake

- 4 Hot air outlet
- 5 Minimum size of the niche (mm)

# TECHNICAL DRAWINGS



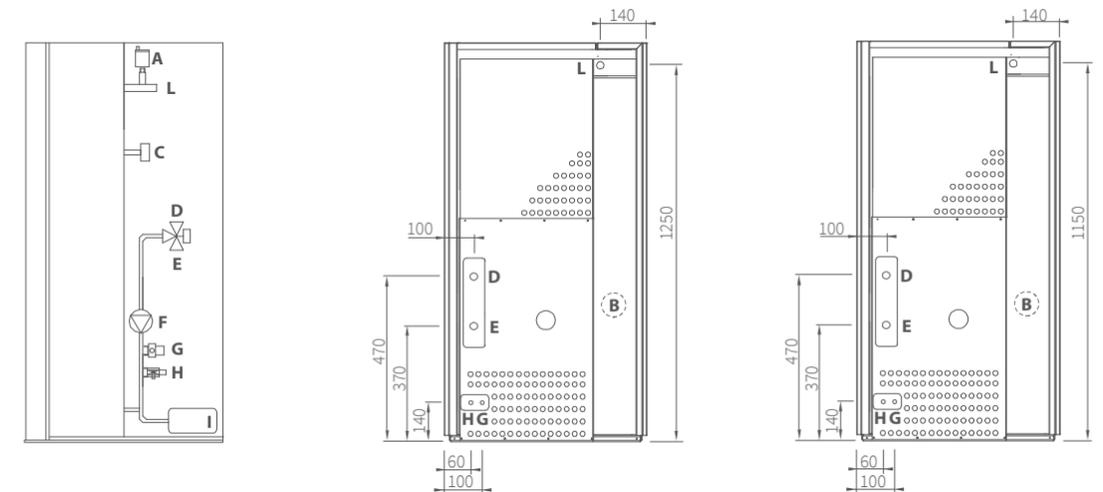
VENEXIA 15-18 / VENEXIA 21-25



MURANO 15-18

- ① Flue gas discharge
- ② Duct arrangement
- ③ External air intake
- ④ Hot air outlet
- ⑤ Minimum size of the niche (mm)
- ⑥ Safety hole for anchoring

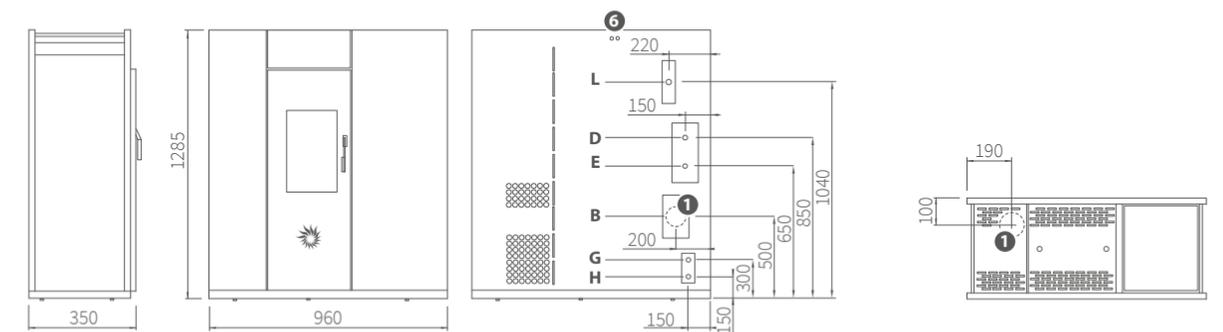
- Ⓐ Automatic relief valve
- Ⓑ Flue gas outlet Ø 80 mm
- Ⓒ Safety pressure switch
- Ⓓ System return 3/4"
- Ⓔ Puffer return 3/4"
- Ⓕ Electronic circulator
- Ⓖ Safety valve discharge 3 bar
- Ⓗ Boiler discharge cock
- Ⓚ Expansion tank
- Ⓛ System flow 3/4"



VENEXIA / MURANO

VENEXIA 21-25

VENEXIA 15-18  
MURANO 15-18

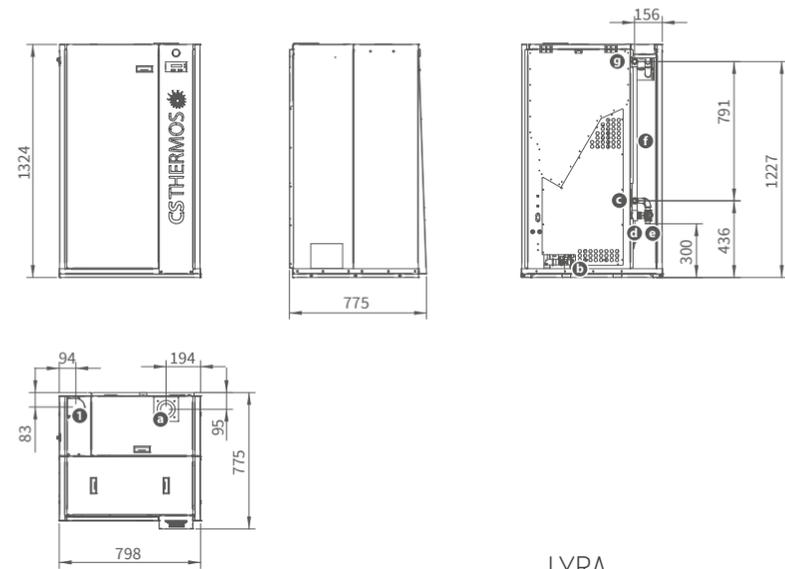


TESI H20

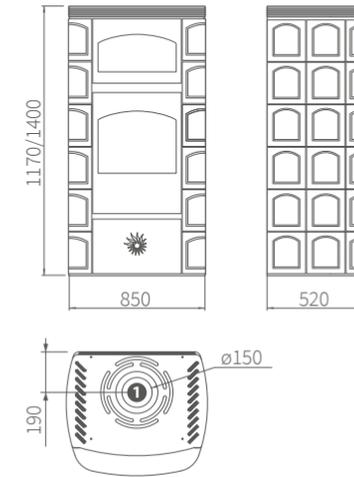
- ① Flue gas discharge
- ② Duct arrangement
- ③ External air intake
- ④ Hot air outlet
- ⑤ Minimum size of the niche (mm)
- ⑥ Safety hole for anchoring

- Ⓐ Automatic relief valve
- Ⓑ Flue gas outlet Ø 80 mm
- Ⓒ Safety pressure switch
- Ⓓ System return 3/4"
- Ⓔ Puffer return 3/4"
- Ⓕ Electronic circulator
- Ⓖ Safety valve discharge 3 bar
- Ⓗ Boiler discharge cock
- Ⓚ Expansion tank
- Ⓛ System flow 3/4"

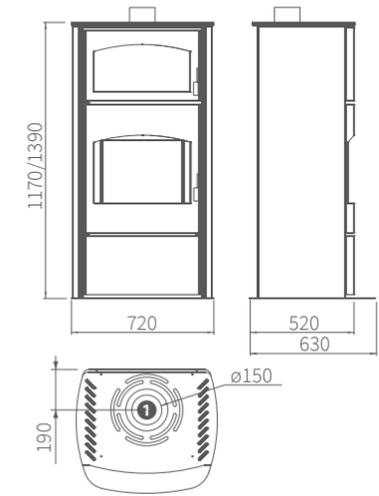
# TECHNICAL DRAWINGS



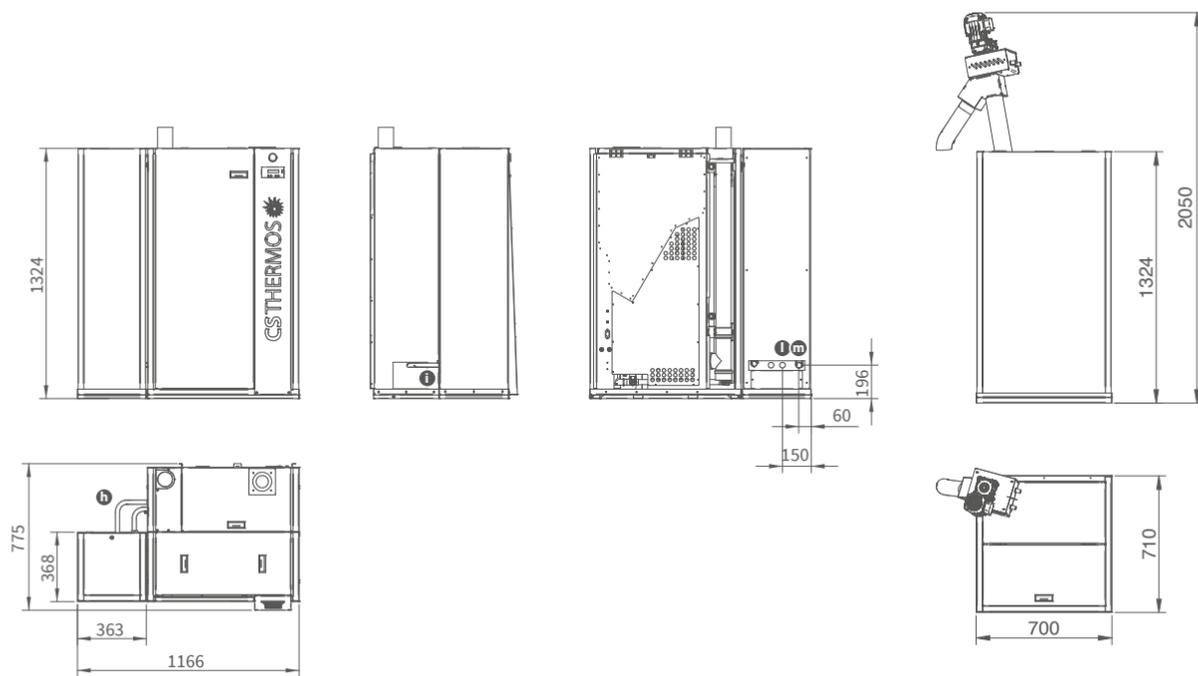
LYRA



ALADINO / ALICE

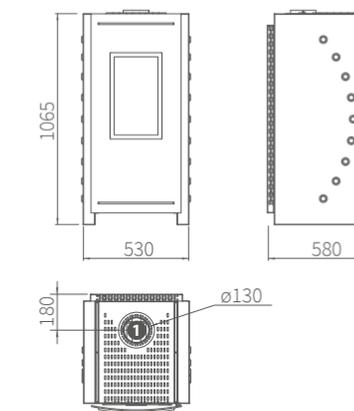


MELODY / ARIEL

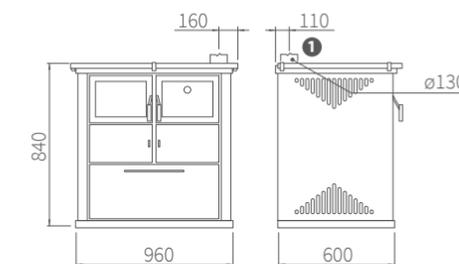


LYRA + 90LT

ADDITIONAL FUEL TANK

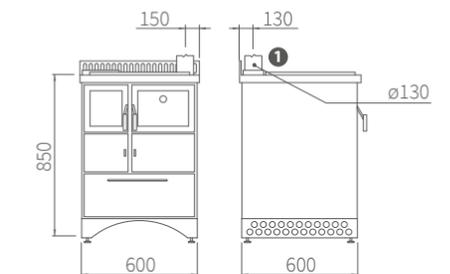


PRINCIPESSA



MORGANA

Flue gas discharge right as standard, left on request



TRILLI

- 1 Flue gas discharge
- a Connection for automatic loading endless screw  $\varnothing 80$
- b Connection for boiler filling
- c Heating circuit return  $\varnothing 3/4$ "
- d Dhw system supply  $\varnothing 3/4$ "
- e Dhw system return  $\varnothing 3/4$ "
- f Upper and rear flue gas on all the height
- g Heating circuit supply  $\varnothing 3/4$ "
- h Copper tubes  $\varnothing 18$  to dhw 90 lt storage tank
- i Opening for dhw connection
- l Domestic hot water output  $\varnothing 3/4$ "
- m Domestic cold water inlet  $\varnothing 3/4$ "

- 1 Flue gas discharge
- 2 Duct arrangement
- 3 External air intake

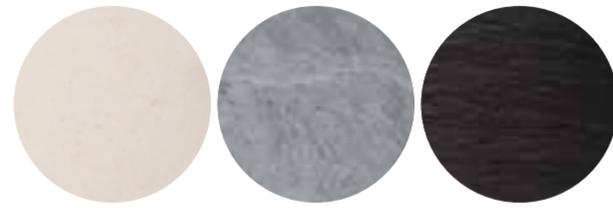
- 4 Hot air outlet
- 5 Minimum size of the niche (mm)
- 6 Safety holes for anchoring





# COLORS AND FINISHES

## STAINLESS STEEL



P-BA Beige  
P-OL Olive  
P-AR Black

## CERAMIC



C-BL White  
C-PE Pearl  
C-CR Cream  
C-VA Vanilla  
C-CP Cappuccino  
C-TO Torta

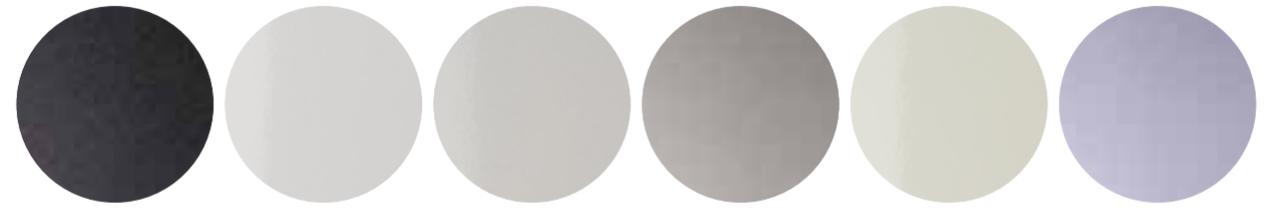


C-AN Anthracite  
C-GG Grey  
C-RO Red  
C-BX Bordeaux  
C-RV Red Vermiglio



C-TI Titanium  
C-NL Nero

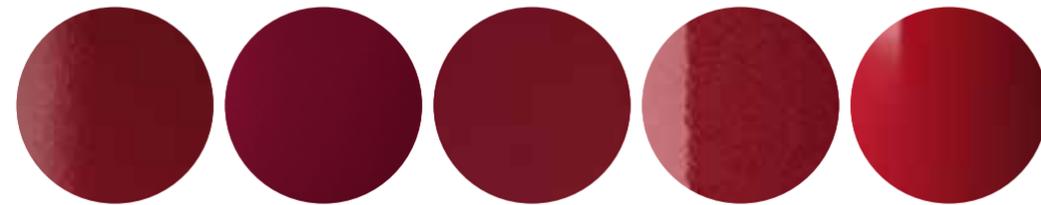
## METALLO



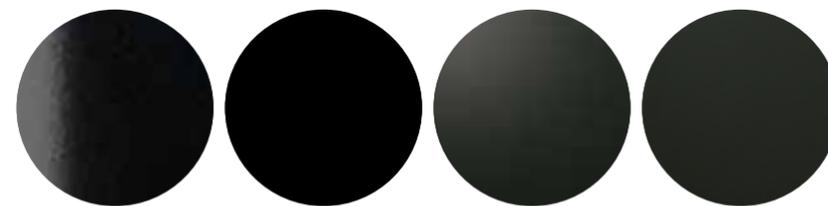
M-GR Grigio  
M-BI Bianco  
M-PE Pelle  
M-AL Alluminio  
M-AV Avoorio  
M-LA Lavanda



M-SB Sabbia  
M-CP Cappuccino  
M-BR Bronze  
M-IX Inox  
M-GF Grigio  
M-TI Titanio



M-RM Rosmet  
M-RO Rosso  
M-BX Bordeaux  
M-RB Rosso Brill  
M-RU Rosso Rubino



M-NB Black Brill  
M-NL Nero Lucido  
M-NS Nero Sat  
M-NO Nero Opaco



M-AC Acacia  
M-RC Racina





**CS THERMOS**  
BIOMASS STOVES

**[www.csthermos.it](http://www.csthermos.it)**

100% tested & certified  
100% made in Italy

**CS THERMOS SRL** - Società Uninominale

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Fax +39 0438 453799

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