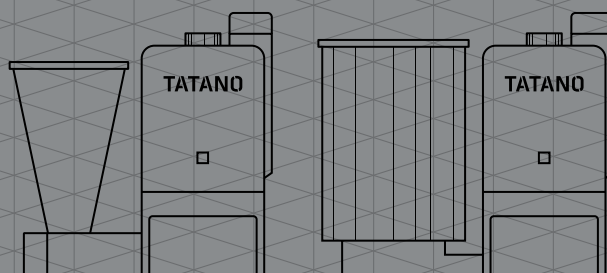


Biomass boilers **CLASS 5** *Series 22*



*Pellet and wood chip heating
for residential spaces*



KALORINA SERIES 22 CL5
WOOD PELLETS/WOOD CHIPS

TATANO
energie rinnovabili



BIOMASS: ALL THE ADVANTAGES OF A LOCAL, CLEAN AND RENEWABLE ENERGY SOURCE.

Heating with biomass means enjoying natural heat generated from a renewable source par excellence, wood. Using it as an energy source means heating in harmony with the natural carbon cycle and with minimal environmental impact, an eco-conscious choice for the present and future of the next generations.

Since biomass is easily available in nature and is a renewable heat source, it will not be conditioned in the future by supply problems.

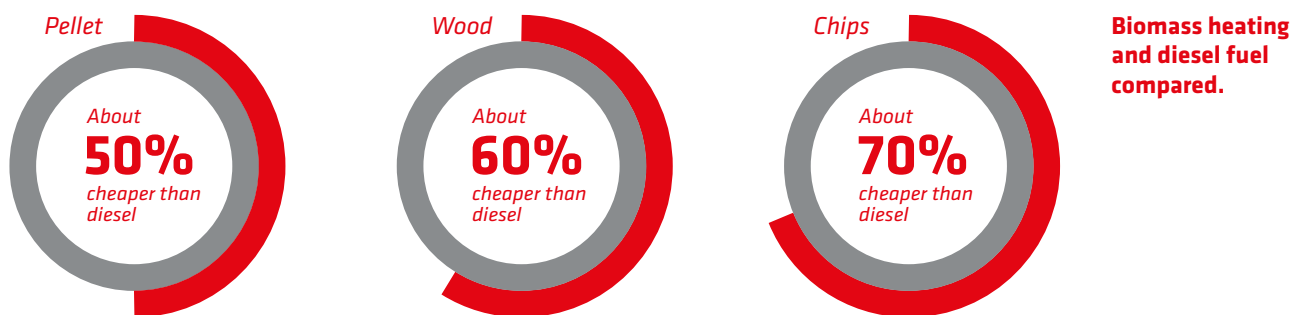
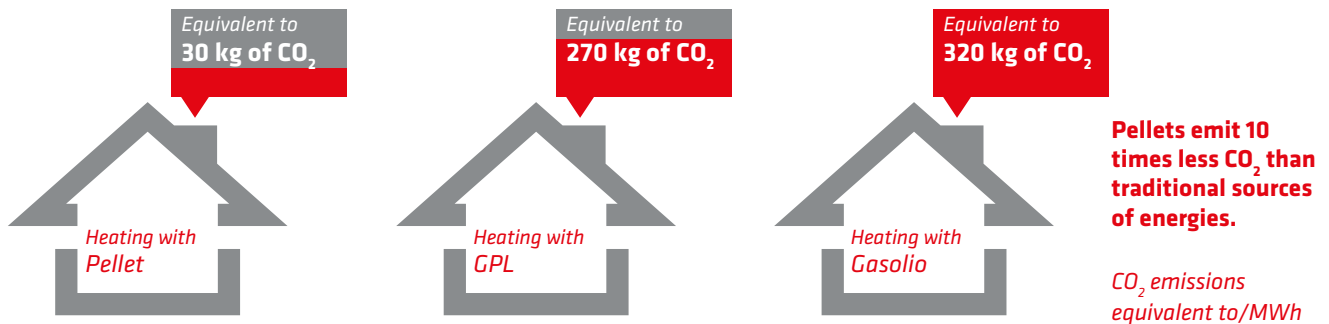
Sensible use of resources

An investment for the future that will make us independent of the strong fluctuations in the prices of fossil fuels, such as gas or diesel, allowing us to save significantly on energy costs.

A profit for everyone

Using biomass allows you to save on heating costs, to strengthen the local economy, to respect the environment. You can also take advantage of the incentives provided by the Conto Termico for wood biomass boilers.

Give up fossil fuels. Warm up with renewables energies!



CLASS 5

The UNI EN 303-5 2012 standard qualifies the latest generation boilers in Class 5 as they comply with the strictest limits in terms of safety, emissions and thermal yields, thus being able to access the contribution envisaged by the Conto Energia Termico.

CONTO TERMICO

It is an incentive for energy efficiency and thermal energy production from renewable sources introduced in 2012 (Conto Termico 2.0, in force since 31 May 2016) intended for both private customers and the public administration.

KALORINA CLASS 5

The new range of pellet and wood chips boilers, Kalorina MK-Compact class, guarantees performance significantly higher than the minimum parameters required for CLASS 5 certification, boasting a 4-star environmental efficiency class (according to D.M.186/2017), for which it has all the requirements for the request of the incentives provided by the Conto Termico.

KALORINA SERIES 22 CL5 WOOD PELLETS

Class 5




RANGE OF POWER

from 30 to 90 kW

MODULATION RANGE

1:4 (25% to 100%)

APPLICATIONS

-  Residential spaces
-  Agricultural structures
-  Requalification/New installations with access to tax deductions

FUELS

EN 14961-2 wood pellets

Required for access to CONTO TERMICO

OTHER TYPES:

- Olive husk/Marc of olives
- Minced shells
- Wood



WEB-SERVICE via accessory for management and assistance with APP 4 HEAT

Kalorina Series 22 CL5 Pellet: Eco-friendly, efficient and economic. It represents the ideal solution for the heating with neutral CO₂ emissions at the highest levels of efficiency and comfort also rewarded by incentive.

ADVANTAGES OF THE SYSTEM

Efficient and sustainable

- Raw materials of excellent quality, high efficiency energy components, security systems compliant to the most restrictive quality standards that guarantee high efficiency and durability;
- ErP labels with energy efficiency classes A+ and A++, for a sustainable product and minimum emissions in the production and working phases;
- Ecodesign criteria and methodology LCA applied from design to divestment: most of the materials are recoverable at the end of life of the product.

Flexibility

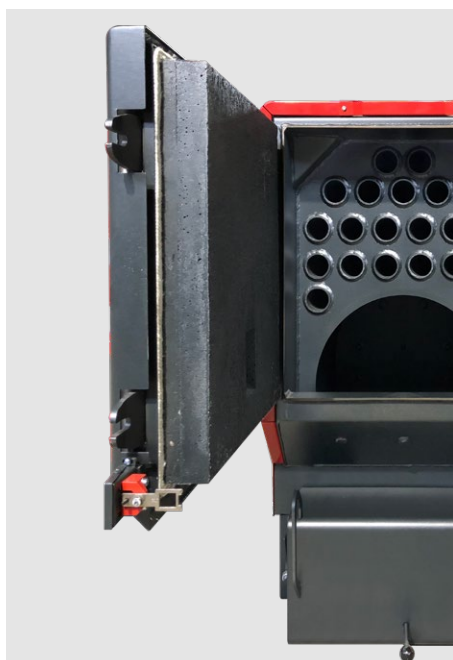
- **of use:** the wide field of power modulation (1: 4) allows you to adapt to any type of energy demand of buildings, from big spaces to those with almost energy zero (nzeb);
- **of installation:** both in new systems and those redeveloped, depending on the spaces and the positioning of the boiler room (possible heating solutions in containers);
- **of passing through:** from fossil fuels to pellets, in cases of requalification: simple storage of pellets in the diesel tank and power supply through the transport pneumatic system up to 25 m;

- **of integration:** with all pellet storage and feeding, as well as with solar energy systems (Solar Key Mark certification for solar panels).

Economic

- Low energy consumption to reduce costs: with ignition only 250 W, Class IE2 for power supply systems and a saving of 80% of the energy of ignition in maintenance;
- Possibility to take advantage of contributions for the Conto Termico incentives provided for connection with solar panels.

Standard accessories



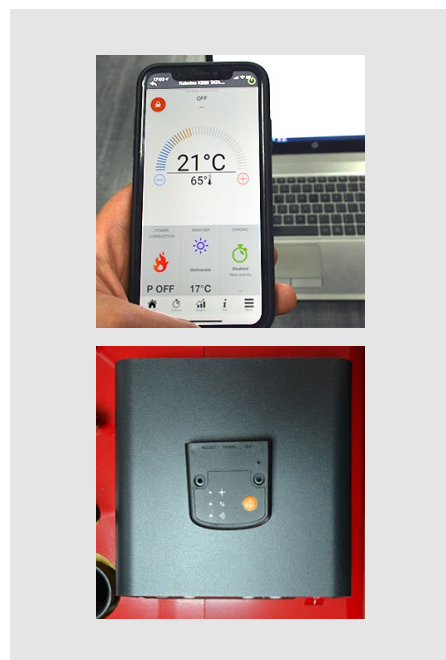
Boiler door with double insulation in refractory



Boiler board with touch screen display



Ash tray with lever for cleaning combustion chamber



Internet module + App 4 Heat

Eco-friendly

- CO₂ neutral emissions heating thanks to the pellet combustion;
- Dust emissions reduced to a minimum thanks to the optimization of the technique of combustion with coefficients rewarding equal to 1.5;
- Maximum supply of energy from renewable sources and zero environmental impact with the integration of solar panels.

DATA SHEET

Kalorina series K22 CL5 pellet		K2203 CL5	K2206 CL5	K2209 CL5
Nominal power range	kW	8-30,14	17,4-60	25-90
Min/max consumption per hour	Kg	1,80-6,40	3,70-12,90	4,95-17,80
Construction data				
Width (L)		1478	1478	1478
Depth (P)	mm	1113	1313	1513
Height (H)		1325	1325	1325
Weight	kg	450	500	550
Chimney diameter	Ø	200	200	200

CALCULATION PERFORMED WITH CERTIFIED PELLETT EN 14961-2

POSSIBLE SAVINGS WITH THE CONTO TERMICO

Kalorina serie K22 CL5 pellet	kW	Years of incentive	MAX INCENTIVES / Calculated for climatic zones / Values in euro					
			A	B	C	D	E	F
K2203 CL5	30,14	2	2.441	3.459	4.476	5.696	6.917	7.324
K2206 CL5	60	5	5.400	7.650	9.900	12.600	15.300	16.200
K2209 CL5	90	5	8.100	11.475	14.850	18.900	22.950	24.300

KALORINA SERIES 22 CL5 WOOD CHIPS

Class 5




RANGE OF POWER

from 30 to 90 kW

MODULATION RANGE

1:4 (25% to 100%)

APPLICATIONS

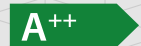
-  Residential spaces
-  Agricultural structures
-  Requalification/New installations with access to tax deductions

FUELS

EN14961-4 Wood Chips
EN 14961-2 wood pellets
Required for access to CONTO TERMICO

OTHER TYPES:

- Shavings
- Sawdust
- Olive husk/Marc of olives
- Minced shells
- Wood



WEB-SERVICE via accessory for management and assistance with APP 4 HEAT

KALORINA Series 22 CL5 Wood Chips: an integrated sustainability model! An excellent ecological and economic balance guaranteed by the supply of green energy produced directly on the territory in which you live and thanks to the incentives provided by the Conto Energia Termico.

ADVANTAGES OF THE SYSTEM

Reliable, efficient and safe

- The excellent quality of raw materials, the choice of security systems, electronic controls and design according to the most restrictive quality standards are a guarantee of high efficiency and long life;
- Safe operation and maximum protection against backfire thanks to the anti-fire kit;
- Maximum ease of use, with minimal maintenance expenditure, thanks to clean combustion, the self-cleaning heat exchanger and the easy-to-empty ash drawer.

Versatility

- **of use:** it is suitable for flexible use in fields of medium power like residential, commercial, farms and short-range heating network;
- **of installation:** both in new buildings and in redevelopments, with customized solutions according to the spaces and the positioning of the room (possible heating solutions in containers);
- **of integration:** with all wood chip and pellet storage and feeding systems, as well as with solar energy systems (Solar Key Mark certification for solar panels);
- **of maintenance:** reduced requirement

thanks to clean combustion, self-cleaning heat exchanger and easy-to-empty ash drawer;

- **In the wide choice of fuels.**

Economic

- Possibility of universal use. Biomass is readily available as it comes from the short chain;
- **Independent of the market prices of diesel and gas, it is an investment that returns in a short time;**
- Certified to access incentives provided for tax deductions of 50% or 65% and from the Conto Energia Termico.

Accessori di serie



Automatic cleaning of the heat exchanger tubes



Anti-fire kit



Micro security doors



Ability to take advantage of the contributions/incentives from the Conto Energia Termico provided for connection with solar panels.

Eco friendly

- An intelligent, renewable energy that represents a secure future-oriented investment: it offers you the opportunity to contribute and support the production companies located in your area, making a choice of sustainable consumption;
- Class 5 certification EN 303-5: 2012 with maximum reward coefficient for powders (Ce 1.5) for access to the Conto Termico;
- Ideal combination with solar system for maximum renewable input in energy production and zero environmental impact.

DATA SHEET

Kalorina series K22 CL5 chips		K2203 CL5	K2206 CL5	K2209 CL5
Nominal power range	kW	8,8-29,2	16,8-60	25-90
Min/max consumption per hour	Kg	2,19-7,49	3,70-12,90	4,95-17,80
Construction data				
Width (L)		1866	1866	1866
Depth (P)	mm	1113	1313	1513
Height (H)		1323	1323	1323
Weight	kg	600	650	700
Chimney diameter	∅	200	200	200

CALCULATION PERFORMED WITH CERTIFIED EN 14961-4

POSSIBLE SAVINGS WITH THE CONTO TERMICO

Kalorina series K22 CL5 chips	kW	Years of incentive	MAX INCENTIVES / Calculated for climatic zones / Values in euro					
			A	B	C	D	E	F
K2203 CL5	29,22	2	2.367	3.353	4.339	5.523	6.706	7.100
K2206 CL5	60	5	5.400	7.650	9.900	12.600	15.300	16.200
K2209 CL5	90	5	8.100	11.475	14.850	18.900	22.950	24.300

COMPANY AND SERVICES



*Tatano: cutting-edge technology
for environmentally friendly
heating solutions.*

The company is specialized in the design of biomass plants recognized for their high degree of innovation, efficiency and for their contribution to environmental protection. From single-family houses to big residential complexes, from commercial and industrial buildings to local heating networks, the company offers efficient heating systems and energy solutions for every need.

THE OFFER OF TATANO SERVICES: EVERYTHING FROM A SINGLE SUPPLIER

Consulting and planning

- Consultancy on the most suitable system solution;
- Basic and detail engineering design and site planning;
- Supply and assembly;
- Regular implementation.

Maintenance, assistance and training

- Personalized assistance with scheduled maintenance contracts;
- Service network for customer assistance with highly qualified personnel;
- Remote diagnosis and monitoring;
- Requalification and modernization;
- Training courses.

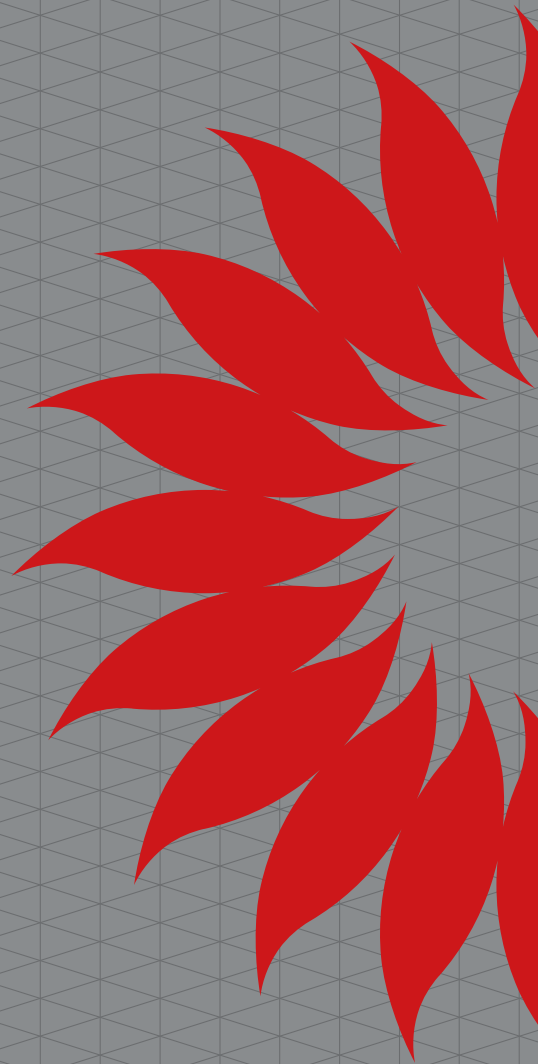
Energy network

It's the ideal structure for the search for eco-sustainable energy solutions.

Below are the various figures involved:

- Biomass producers and suppliers;
- Design studies (EGE);
- Energy Service Company (ESCo);
- Energy Services Managers (GSE);
- Installers and assistance centers.





TATANO s.n.c.

Zona ind.le/Scalo ferroviario
92022 Cammarata (Ag)

Via F. Cassoli, 29
29122 Piacenza

Biomass boilers
Solar systems

Tel. +39 0922 901376
Fax +39 0922 902600

Tel. +39 0523 609788
Fax +39 0523 574274

E-mail: tatano@tatano.it
www.tatano.it