

PALAZZETTI
WARMTH WITH NATURAL APPEAL

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the heating technology

ECOFIRE® PELLET BURNING STOVES

range hydro



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WARMTH WITH NATURAL APPEAL

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Pellet burning stoves Hydro

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All stoves displayed in this catalogue
are MCS accredited.

PALAZZETTI: THE 9 REASONS THAT MAKE THE DIFFERENCE

PALAZZETTI

WARMTH WITH NATURAL APPEAL

Reliability of the brand

The Palazzetti brand is synonymous with experience, transparency and responsible entrepreneurship.

For over 50 years we have been providing reliable solutions with our deeds, not words.

For this reason, choosing Palazzetti means preferring a sustainable future.

Research

Every year we invest significant human and financial resources in research and development, in order to create new technologies and perfect existing ones, to undertake projects for optimising fuel combustion and further reduce hazardous gas emissions.



Palazzetti warranty

All our products are subjected to a double, highly-stringent testing procedure. The first stage concerns the electrical safety and functionality of each single stove component, while the second verifies that the machine is properly assembled.

Made in Italy

We have always chosen to privilege Italian engineering, quality and design, by performing all work phases within our Italian sites. By manufacturing in Italy we are able to guarantee our customers high and constant quality standards that can be verified daily. It means appreciating our workforce, an indispensable asset combining culture, experience, reliability and passion.

Constant performance over time

Our products provide lasting efficiency and high performance that turn intangible savings. Maintenance and cleaning are both straightforward. Palazzetti's technology and experience stand the test of time: our products are designed and manufactured to last and perform to their fullest potential at all times.



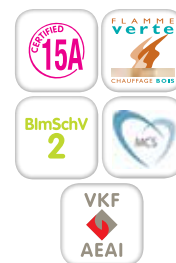
Environment



Our mission is to heat up to every environment through solutions that respect the ecosystem. In practical terms, **this translates into high-performance products capable of guaranteeing extremely efficient combustion over time, namely with high performances and low emissions into the atmosphere.** Therefore, the brazier's shape, the analysis of the path of the combustion air and flue gases, the use of certain materials, the Dual Combustion system are but some of the technological solutions we adopt to manufacture green products.

Certifications

All our products are tested and certified in accordance with the most stringent international standards. **The presence of the logo and certification number** guarantees that the purchased product has been checked and approved in conformity to the most rigorous quality standards.



Product Eligible for government incentives

Thanks to their performance features and certified efficiency, Palazzetti stoves often benefit from government incentives for energy saving.

Availability of spare parts in time

Customers purchasing a Palazzetti product will be able to find any spare part for all stove or chimney models - even if out of production - years after their purchase.



PELLET BURNING STOVES HYDRO HIGH PERFORMANCE

HIGH PERFORMANCE Designed to yield the greatest possible quantity of heat to the water, reducing dispersion to a minimum: a real heating system that offers exceptional efficiency, minimum toxic emissions and extreme ease of use and maintenance. The Ecofire® Idro stoves are fully automatic and programmable heating systems that heat the water for all home requirements (radiators, underfloor and hot water).

Sealed technology

Our sealed Ecofire® stoves take in air required for combustion directly from outside, through the balance flue system. This avoids removing any oxygen from inside the house, and also prevents cold air from entering a room. These stoves do not waste any of energy produced, because they recover the heat of outgoing exhaust gases to pre-heat the incoming air.

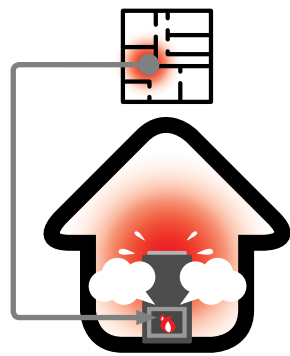
Automatic

Ecofire® Idro stoves guarantee an extraordinary maximum burn time. Switch on and switch off are automatic and programmable on the digital control panel.

No-cost maintenance

With sealed hydronic stoves some of the extraordinary maintenance becomes ordinary: in fact, many of the cleaning operations no longer require an engineer because the user can easily perform them by himself. The pipes immersed in water have a 45° inclination to prevent soot deposits produced by the combustion fumes. Moreover, the turbolators (special helical mechanisms inside the pipes) eliminate any left over soot when put into operation manually from the outside. Lastly, the soot falls into the fumes manifold where it can be easily removed. This is how outputs are improved and savings are multiplied.

HYDRONIC STOVES THAT EMIT VENTILATED AIR INTO THE ROOM
=
WRONG HEAT DISTRIBUTION
LESS EFFICIENCY AND LESS COMFORT



SEALED HYDRONIC STOVES
PALAZZETTI
=
EXCELLENT HEAT DISTRIBUTION:
HIGH EFFICIENCY, NO WASTE, UTMOST COMFORT



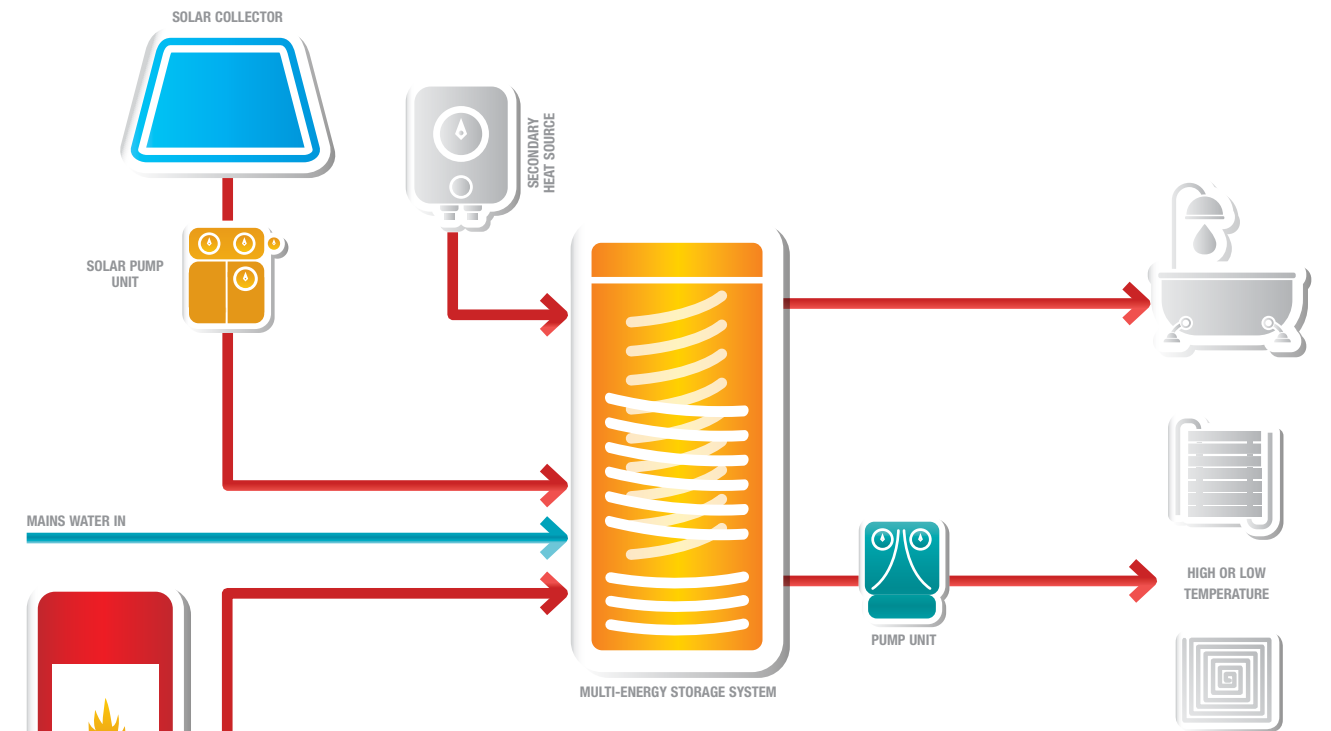
These stoves supply too much heat to the room they are installed in making the temperature of that particular room too high with a loss of heat to the water of the heating system. Less efficiency for water heating means less domestic comfort.

Our stoves direct all their great heating power to the water of the heating system and to the domestic water, optimising heat distribution for widespread comfort throughout the home. No sudden changes in temperature, no waste. And, of course, an enchanting view of the fire.

Example 1: connecting the pellet stove to a heating system.



Example of how to integrate a pellet stove with a gas boiler and solar collectors for the production of hot domestic water and fixed location heat management.



Example of installation.

Easiest possible installation

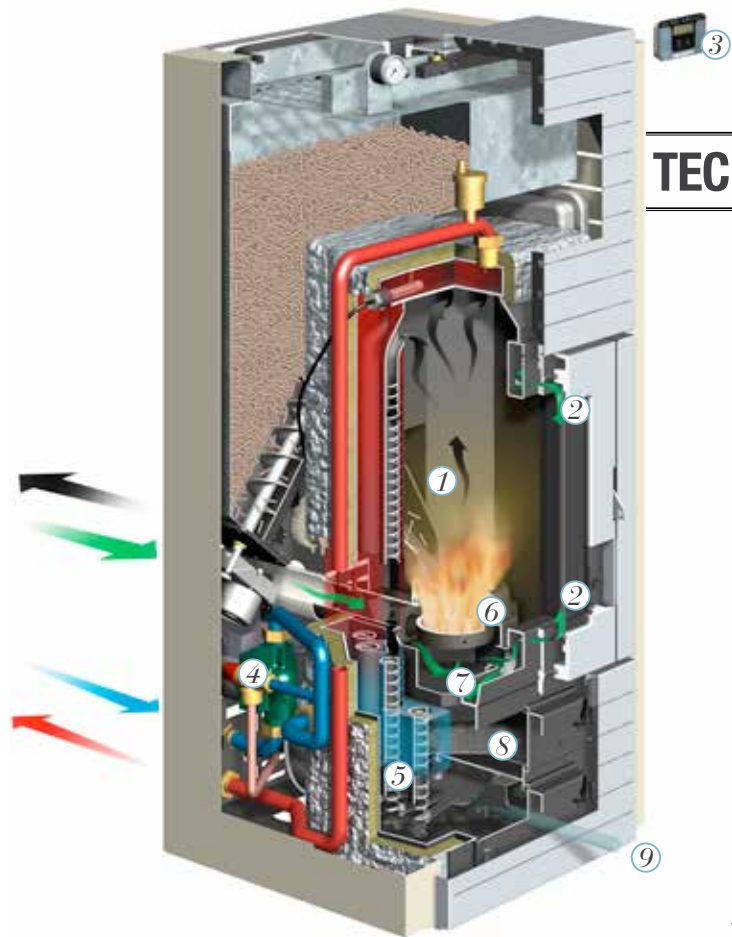
Thanks to the sealed hydronic stoves your traditional heating system can be transformed into an “ecological”, innovative and very efficient one. No need for major installation work, the entire hydraulic system needed to make it function is already supplied with the stove: circulator, expansion tank and safety valve.

Production of domestic hot water

Some of the most powerful models are also available in the DHW version, which means they can produce domestic hot water directly. Indeed, a dedicated hydraulic unit allows for verifying - while the stove is functioning - the demand for DHW and diverting all the power from heating to the production of domestic hot water.

Easily Integrated

The Ecofire® Idro stoves can be easily integrated with pre-existing traditional heating systems, including a heating oil, natural gas, LPG or diesel fuelled boiler. Our latest models can be combined with accumulation systems using solar panels. In all cases, they ensure remarkable savings on energy consumption.



TECHNICAL IN-DEPTH INFORMATION

The drawing refers to the Ecofire Idro Marta model.



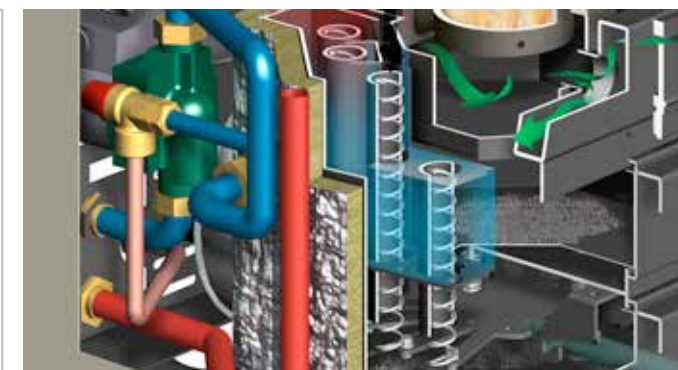
1 Exclusive glass cleaning

A new Palazzetti over-heated air circulation system optimises glass cleaning.



2 Touch Display

User-friendly, it informs you on the correct operation and autonomy of the stove.

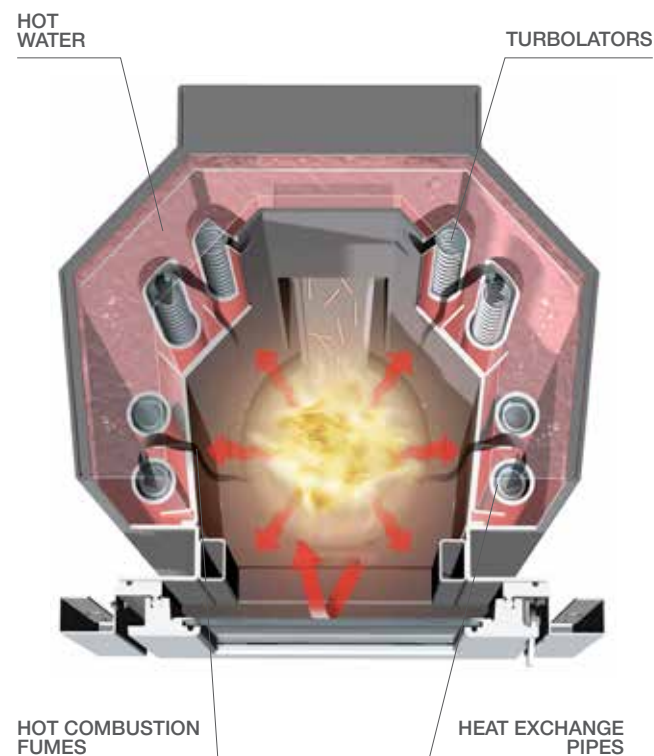


3 Standard supplied hydraulic unit

Provided with a circulator, and expansion tank and a safety valve.

4 System for adjusting the flow rate

To optimise the heat exchange and efficiency, a special system adjusts the water flow rate depending on the temperature of the incoming water.



1 Semi-circular combustion chamber

They are provided with an innovative firebox surrounded by a semi-circular combustion chamber to increase the exchange of heat with the water. The hot combustion fumes are made to pass through 8 pipes immersed in the water of the boiler. The water is heated through the walls of the combustion chamber but also from "inside". Moreover, the pipes are provided with special turbulators that give the fumes a helicoidal motion that further increases the exchange of heat.



6 Combustion dynamic control

Perfect combustion is ensured over time by an innovative, patented, electronic system that keeps in mind the conditions of use and installation and automatically sets the operating parameters depending on the type of system chosen.



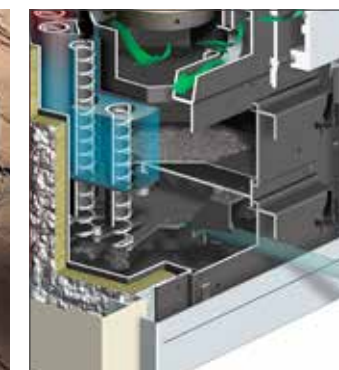
7 Brazier cleaning cycle

Automatic and self-adjusted according to the selected power. The cleaning system is focused on the brazier that has a specific shape and on the right distribution of the airing holes: the air comes through the holes and raises the ashes that then drop into the underlying drawer.



8 Ash box

An integrated and centralised ash collection system conveys all the combustion residues into a single underlying box, whose dimensions are such as to allow an operating autonomy of many days (depending on the model).



9 Maintenance

Easy maintenance and cleaning are achieved thanks to the lever that shakes the turbulators.

MARTINA 10/13/15

cm 52x59x135h - weight: 180 kg

Steel stove.
Colours: red, ivory, black.



ANITA 13/15

cm 51x59x120 h - weight: 190 kg

Steel stove.
Colours: red, ivory, black.



MARTA 10/13/15

cm 52x53x123 h - weight: 180 kg

Steel stove.
Colours: red, ivory.

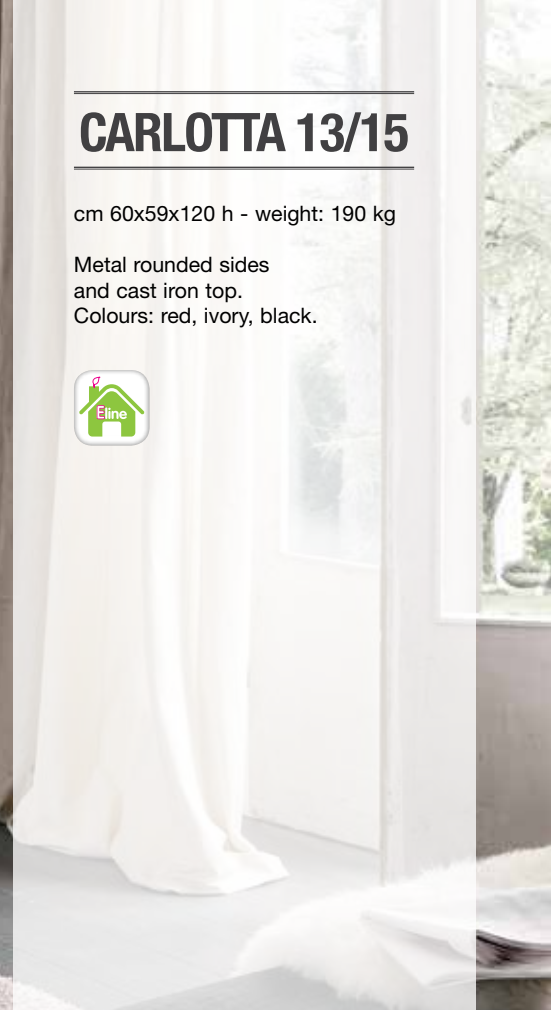




CARLOTTA 13/15

cm 60x59x120 h - weight: 190 kg

Metal rounded sides
and cast iron top.
Colours: red, ivory, black.



CRISTINA 13/15

cm 60x59x120 h - weight: 195 kg

Ceramic rounded sides and top insert.
Colours: red, beige, green, Terra di Siena,
yellow Sahara.



ROSA 13/15

51x59xh.120 cm
weight: 195 kg

Ceramic sides and top insert.
Colours: red, beige, green, Terra di Siena,
yellow Sahara.





ERMIONE 20/26,7



cm 69x73,4x136,4 h
weight: 195 kg

Ceramic cladding available in
various colours.
Colours: red bordeaux, beige,
Yellow Sahara.

**Also available in the version with
hydraulic kit for instantaneous
domestic hot water.**

SABINA 20/26,7

cm 65x65x136 h - weight: 195 kg

Wood cladding. Finishes: teak, wengé.

Also available in the version with hydraulic kit for instantaneous domestic hot water.



PELLET BOILERS

Palazzetti pellet-burning stoves are designed to transfer the maximum amount of heat to the water, so as to limit heat dispersion; they can function as a single heat source or can be integrated with the existing traditional heating system. Ecological products that fall perfectly within the cycle of nature. Moreover, the extremely low emission levels and excellent efficiency data of these stoves ensure that they comply with the most stringent requirements of several governing bodies.

Domestic hot water



Energy rating



Dual Combustion

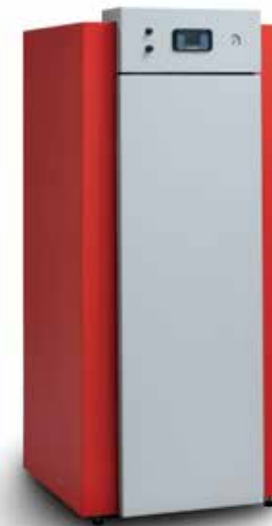


Pellet fuelled



CT 14-18-22-24

cm 63x69x147,7 h - weight: 210 kg



CT range boilers are equipped with a special combustion chamber designed to facilitate heat exchange with water to the maximum, in addition to a 10-pipe fume manifold.

A set of special turbulators located inside the fume pipes enhances performance by optimising the heat exchange and improving cleaning operations. The boiler can be entirely managed and programmed to function during certain time intervals through the touch control panel. Cleaning operations are facilitated by a manual lever that allows for shaking the turbulators in order to keep the boiler working efficiently. In addition, the broad ash tray ensures a extensive uninterrupted operating autonomy.

Equipped with: circulator pump, expansion tank, safety valve, automatic bleed valve and anti-condensate system.

The 22 and 24 versions include a kit for producing instantaneous domestic hot water which - with the boiler on - diverts the power from heating to the production of domestic hot water.

	CT 14	CT 18	CT 22 ACS	CT 24 ACS
Nominal heat output at brazier	kcal/h 11.200 - kW 13	kcal/h 13.600 - kW 16	kcal/h 17.200 - kW 20	kcal/h 20.770 - kW 24,15
Max. useful nominal heat output	kcal/h 10.600 - kW 12,3	kcal/h 12.900 - kW 15	kcal/h 16.200 - kW 18,8	kcal/h 18.850 - kW 21,91
Efficiency	94,12 %	94,46%	94,93 %	90,72%
Maximum burn time	77* hours	77* hours	77* hours	77* hours
Fuel hopper capacity max	65 kg	65 kg	65 kg	65 kg
Hourly fuel consumption Kg/h	0,84/2,66	0,84/3,24	0,84/4,1	0,84/4,93
Exhaust outlet fitting (rear)	ø 10 cm	ø 10 cm	ø 10 cm	ø 10 cm

*At minimum running power and in continuous cycle mode.

OLGA 20/26,7

cm 62x73,6x136 h - weight: 195 kg

Metal stove. Colours: red, beige, black.

Also available in the version with hydraulic kit for instantaneous domestic hot water.



TECHNICAL FEATURES ECOFIRE® IDRO



MARTINA
10 kW



MARTINA
13 kW



MARTINA
15 kW



Heat output max	8.000 kcal/h 9,3 Kw	11.600 kcal/h 13,5 Kw	13.200 kcal/h 15,4 Kw
Water heat output max	6.600 kcal/h 7,7 Kw	9.450 kcal/h 11 Kw	12.100 kcal/h 14,1 Kw
Efficiency	~ 95,5%	~ 95%	~ 96%
Maximum burn time	60* hours	60* hours	45* hours
Fuel hopper capacity max	45 kg	45 kg	45 kg
Hourly fuel consumption Kg/h	0,75÷2	0,75÷2,97	1÷3,3
Exhaust outlet fitting (rear)	Ø 8 cm	Ø 8 cm	Ø 8 cm



MARTA
10 kW



MARTA
13 kW



MARTA
15 kW



Heat output max	8.000 kcal/h 9,3 Kw	11.600 kcal/h 13,5 Kw	13.200 kcal/h 15,4 Kw
Water heat output max	6.600 kcal/h 7,7 Kw	9.450 kcal/h 11 Kw	12.100 kcal/h 14,1 Kw
Efficiency	~ 95,5%	~ 95%	~ 96%
Maximum burn time	40* hours	40* hours	30* hours
Fuel hopper capacity max	30 kg	30 kg	30 kg
Hourly fuel consumption Kg/h	0,75÷2	0,75÷2,97	1÷3,3
Exhaust outlet fitting (rear)	Ø 8 cm	Ø 8 cm	Ø 8 cm



ANITA
13 kW



ANITA
15 kW



CARLOTTA
13 kW



CARLOTTA
15 kW



Heat output max	11.600 kcal/h 13,5 Kw	13.200 kcal/h 15,4 Kw	11.600 kcal/h 13,5 Kw	13.200 kcal/h 15,4 Kw
Water heat output max	9.450 kcal/h 11 Kw	12.100 kcal/h 14,1 Kw	9.450 kcal/h 11 Kw	12.100 kcal/h 14,1 Kw
Efficiency	~ 95%	~ 96%	~ 95%	~ 96%
Maximum burn time	34* hours	25* hours	34* hours	25* hours
Fuel hopper capacity max	25 kg	25 kg	25 kg	25 kg
Hourly fuel consumption Kg/h	0,75÷2,97	1÷3,3	0,75÷2,97	1÷3,3
Exhaust outlet fitting (rear)	Ø 8 cm	Ø 8 cm	Ø 8 cm	Ø 8 cm



ROSA
13 kW



ROSA
15 kW



CRISTINA
13 kW



CRISTINA
15 kW



Heat output max	11.600 kcal/h 13,5 Kw	13.200 kcal/h 15,4 Kw	11.600 kcal/h 13,5 Kw	13.200 kcal/h 15,4 Kw
Water heat output max	9.450 kcal/h 11 Kw Kw	12.100 kcal/h 14,1 Kw	9.450 kcal/h 11 Kw	12.100 kcal/h 14,1 Kw
Efficiency	~ 95%	~ 96%	~ 95%	~ 96%
Maximum burn time	34* hours	25* hours	34* hours	25* hours
Fuel hopper capacity max	25 kg	25 kg	25 kg	25 kg
Hourly fuel consumption Kg/h	0,75÷2,97	1÷3,3	0,75÷2,97	1÷3,3
Exhaust outlet fitting (rear)	Ø 8 cm	Ø 8 cm	Ø 8 cm	Ø 8 cm



SABINA
20 kW



SABINA
26,7 kW



OLGA
20 kW



OLGA
26,7 kW



Heat output max	17.300 kcal/h 20,15 Kw	23.000 kcal/h 26,7 Kw	17.300 kcal/h 20,15 Kw	23.000 kcal/h 26,7 Kw
Water heat output max	15.480 kcal/h 18 Kw	20.700 kcal/h 24,07 Kw	15.480 kcal/h 18 Kw	20.700 kcal/h 24,07 Kw
Efficiency	~ 94,2%	~ 93,6%	~ 94,2%	~ 93,6%
Maximum burn time	37* hours	37* hours	37* hours	37* hours
Fuel hopper capacity max	50 kg	50 kg	50 kg	50 kg
Hourly fuel consumption Kg/h	1,36÷4,4	1,36÷5,92	1,36÷4,4	1,36÷5,92
Exhaust outlet fitting (rear)	Ø 10 cm	Ø 10 cm	Ø 10 cm	Ø 10 cm



ERMIONE
20 kW



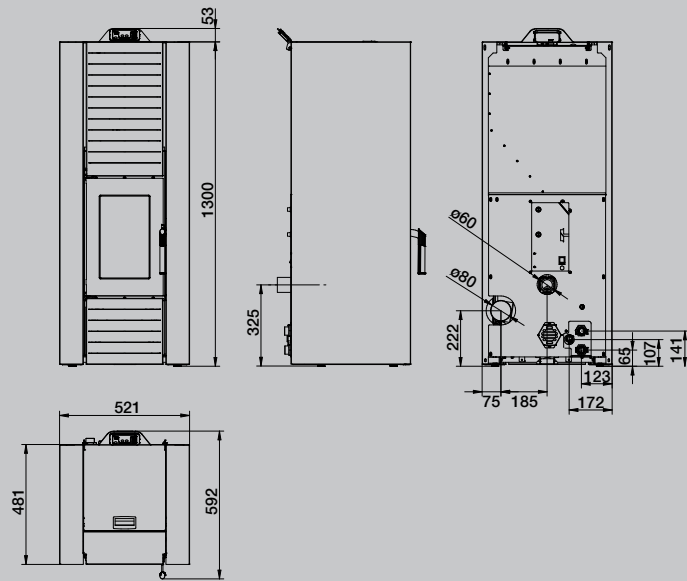
ERMIONE
26,7 kW



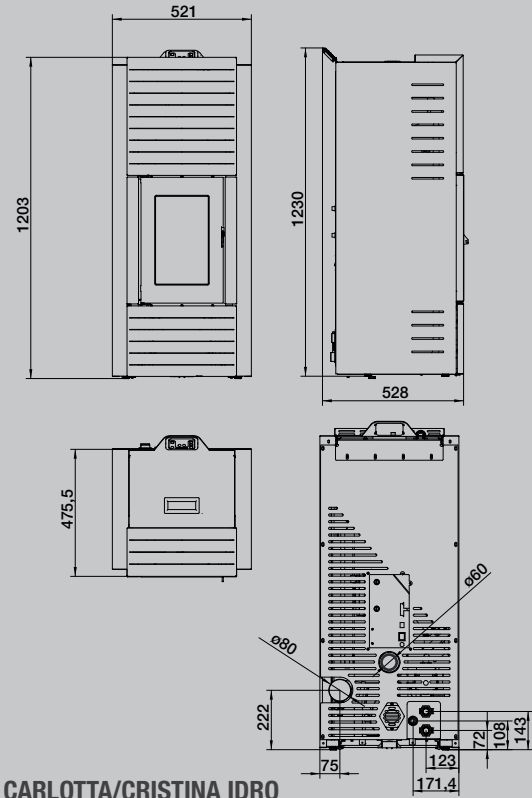
Heat output max	17.300 kcal/h - 20,15 Kw	23.000 kcal/h - 26,7 Kw
Water heat output max	15.480 kcal/h - 18 Kw	20.700 kcal/h - 24,07 Kw
Efficiency	~ 94,2%	~ 93,6%
Maximum burn time	37* hours	37* hours
Fuel hopper capacity max	50 kg	50 kg
Hourly fuel consumption Kg/h	1,36÷4,4	1,36÷5,92
Exhaust outlet fitting (rear)	Ø 10 cm	Ø 10 cm

TECHNICAL DRAWINGS

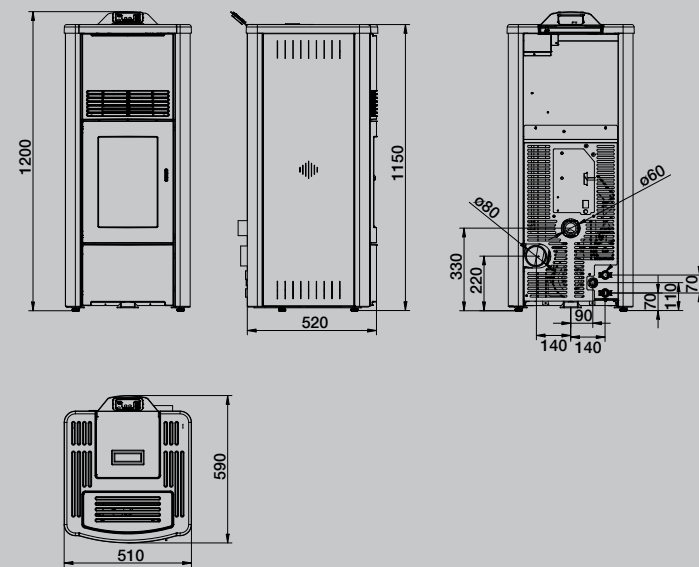
MARTINA IDRO
10/13/15 KW



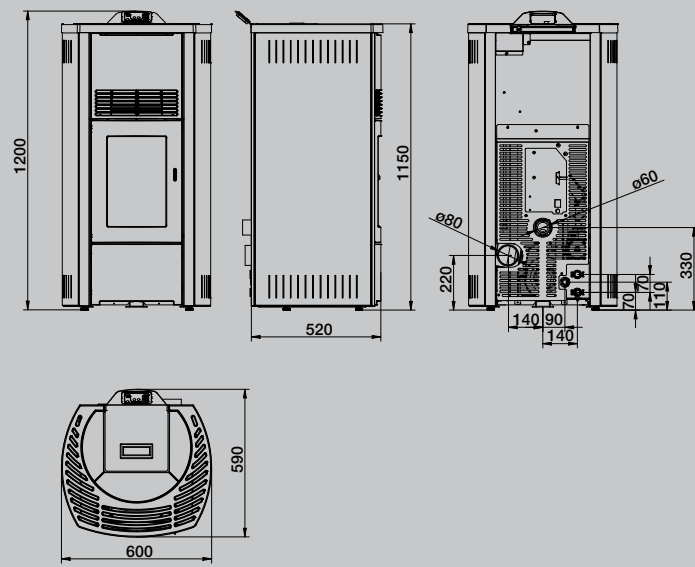
MARTA IDRO
10/13/15 KW



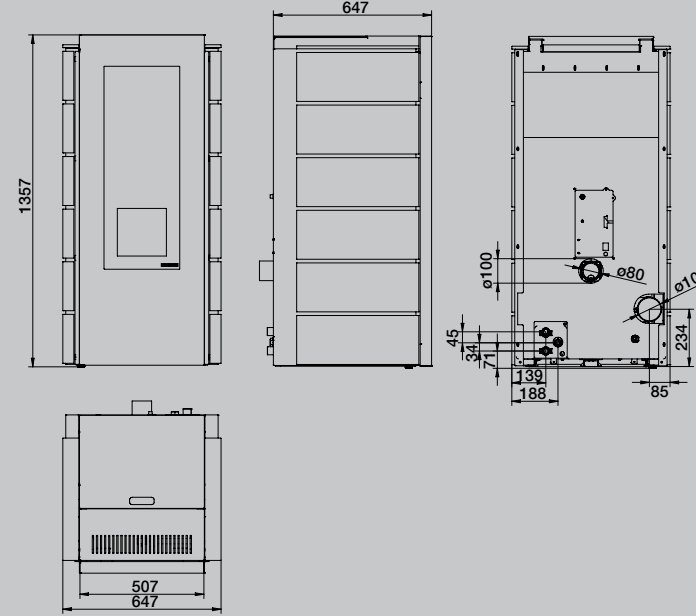
ANITA/ROSA
13/15 KW



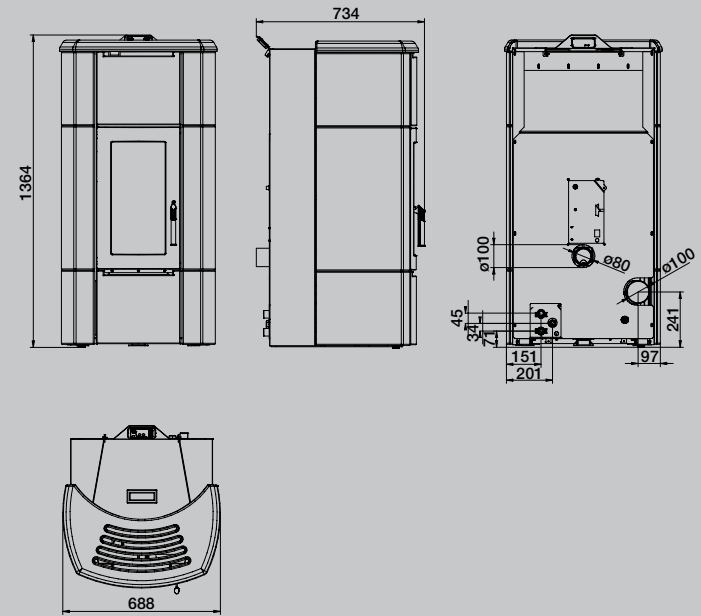
CARLOTTA/CRISTINA IDRO
13/15 KW



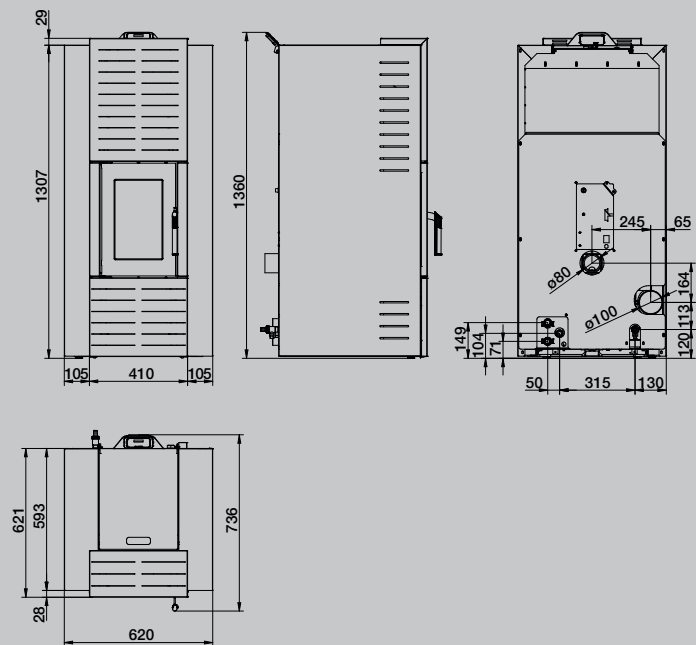
SABINA IDRO
20/26,7 KW



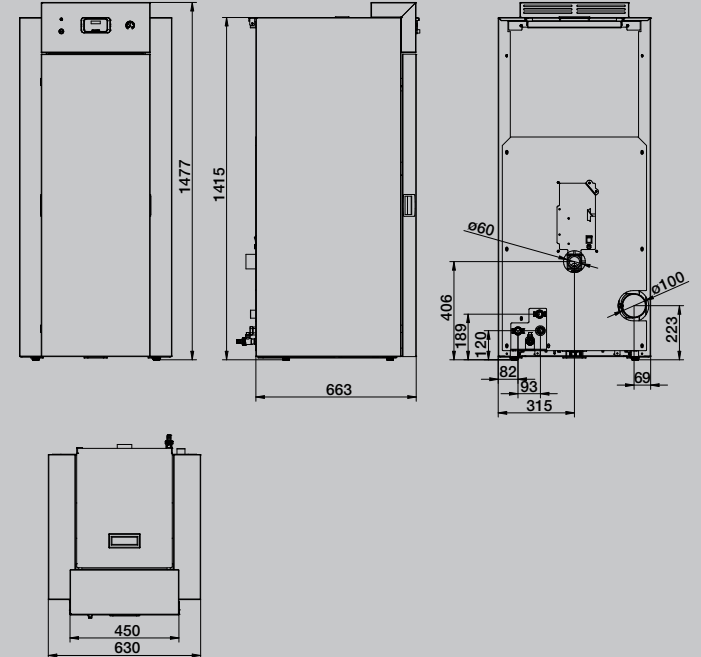
ERMIONE IDRO
20/26,7 KW



OLGA IDRO
20/26,7 KW



CT BOILERS
14/18/22/24



ACCESSORIES



Kit P1 for system separation

Connects a pellet or wood-burning stove to an already existing heating system (e.g. gas boiler, radiators) by separating the primary circuit from the secondary one.



Kit P2 for instantaneous DHW production

Allows the production of instantaneous hot water and the management of heating system.



Kit P3 for separation and instantaneous DHW production

Connects a pellet or wood-burning stove to an already existing heating system (e.g. gas boiler, radiators) by separating the primary circuit from the secondary one and also producing domestic hot water instantly.



Kit P4 for domestic hot water production with accumulation system

It produces domestic hot water and uses a 50 liters accumulation system while directly managing a heating system. It is suitable for pellet or wood heat generators (already provided with a circulator) with a low calorific power inferior to 15 kW.

CERTIFICATIONS

Product	Standard	Institution	Test Report	Date	MCS
Ecofire® Marta Idro 10 kW	EN 14785	TÜV RHEINLAND	K648 2011	28/09/2011	HTSMCS1116/01
Ecofire® Marta Idro 13 kW	EN 14785	TÜV RHEINLAND	K649 2011	28/09/2011	HTSMCS1116/02
Ecofire® Marta Idro 15 kW	EN 14785	TÜV RHEINLAND	K654 2011	28/09/2011	HTSMCS1116/07
Ecofire® Martina Idro 10 kW	EN 14785	TÜV RHEINLAND	K817 2012	15/06/2012	HTSMCA1218/01
Ecofire® Martina Idro 13 kW	EN 14785	TÜV RHEINLAND	K818 2012	15/06/2012	HTSMCS1218/02
Ecofire® Martina Idro 15 kW	EN 14785	TÜV RHEINLAND	K763 2012	15/06/2012	HTSMCS1218/03
Ecofire® Cristina Idro 13 kW	EN 14785	TÜV RHEINLAND	K652 2011	28/09/2011	HTSMCS1116/06
Ecofire® Cristina Idro 15 kW	EN 14785	TÜV RHEINLAND	K657 2011	28/09/2011	HTSMCS1116/11
Ecofire® Anita Idro 13 kW	EN 14785	TÜV RHEINLAND	K650 2011	28/09/2011	HTSMCS1116/03
Ecofire® Anita Idro 15 kW	EN 14785	TÜV RHEINLAND	K655 2011	28/09/2011	HTSMCS1116/08
Ecofire® Carlotta Idro 13 kW	EN 14785	TÜV RHEINLAND	K653 2011	28/09/2011	HTSMCS1116/04
Ecofire® Carlotta Idro 15 kW	EN 14785	TÜV RHEINLAND	K658 2011	28/09/2011	HTSMCS1116/09
Ecofire® Rosa Idro 13 kW	EN 14785	TÜV RHEINLAND	K651 2011	28/09/2011	HTSMCS1116/05
Ecofire® Rosa Idro 15 kW	EN 14785	TÜV RHEINLAND	K656 2011	28/09/2011	HTSMCS1116/10
Ecofire® Sabina Idro 20,15 kW	EN 14785	TÜV RHEINLAND	K8322012	28/07/2012	HTSMCS1218/05
Ecofire® Sabina Idro 27 kW	EN 14785	TÜV RHEINLAND	K8352012	28/07/2012	HTSMCS1218/08
Ecofire® Ermione Idro 20,15 kW	EN 14785	TÜV RHEINLAND	K8332012	26/07/2012	HTSMCS1218/06
Ecofire® Ermione Idro 27 kW	EN 14785	TÜV RHEINLAND	K8342012	26/07/2012	HTSMCS1218/09
Ecofire® Olga Idro 20,15 kW	EN 14785	TÜV RHEINLAND	K8312012	26/07/2012	HTSMCS1218/04
Ecofire® Olga Idro 27 kW	EN 14785	TÜV RHEINLAND	K8362012	26/07/2012	HTSMCS1218/07
CT Boiler 14 kW	EN 303-5	TÜV RHEINLAND	K811 2012 T1/T2	19/04/2012	HTSMCS1218/10
CT Boiler 18 kW	EN 303-5	TÜV RHEINLAND	K811 2012 T1/T2	19/04/2012	HTSMCS1218/11
CT Boiler 22 kW	EN 303-5	TÜV RHEINLAND	K811 2012 T1/T2	19/04/2012	HTSMCS1218/12
CT Boiler 24 kW	EN 303-5	TÜV RHEINLAND	K811 2012 T1/T2	19/04/2012	HTSMCS1218/13

Thanks to our technological research, Ecofire® enters your home accompanied by several certifications issued by important European bodies that certify the product's quality, performance and operating safety.

The only stoves already conforming to the emission and performance regulations for 2015.

All products comply with the current and most rigorous European regulations concerning emissions and performance. Not only: our company has already begun applying the even more stringent regulations on performance which will take effect from 2015. Ecofire® stoves by Palazzetti guarantee performance levels that exceed these standards as of now.

	KW	ECOFIRE® IDRO																								
		Martina 10	Martina 13	Martina 15	Marta 10	Marta 13	Marta 15	Rosa 13	Rosa 15	Anita 13	Anita 15	Carlotta 13	Carlotta 15	Cristina 13	Cristina 15	Sabina 20	Sabina 26,7	Ermione 20	Ermione 26,7	Olga 20	Olga 26,7	CT Boiler 14	CT Boiler 18	CT Boiler 22	CT Boiler 24	
DUAL COMBUSTION		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SEALED					•	•	•	•	•	•	•	•	•	•												
IDRO HIGH PERFORMANCE		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PRODUCTION OF DOMESTIC HOT WATER																•	•	•	•	•	•	•			•	•
COMBUSTION DYNAMIC CONTROL		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
15A		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
FLAMME VERTE		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
BImSchV 2		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STADT WIEN		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
VKF AEAI							•		•		•		•													
MCS		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



Certification institutes.



In France the Flamme Verte mark is a guarantee of the quality, efficiency and high energy and environmental performances of wood and pellet fuelled products.



15A is an Austrian ordinance that defines the quality and efficiency requirements of wood and pellet burning products to optimise energy savings. It imposes stricter limits than those set by the European standards.



BImSchV 1 and 2 are German Federal Immission Control Ordinances for the reduction of emissions of harmful substances into the atmosphere.