

Unical

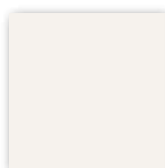
PUNT.it

PRIDE OF MADE IN ITALY



.it 7

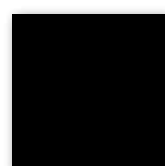
.it 8,5 / .it 10,5



White



Bordeaux



Black



MODEL	nominal input kW	nominal output kW	maximum efficiency %	volume that can be heated* m³
.it 7	2,84÷6,97	2,64÷6,42	92,70	170
.it 8,5	2,84÷8,87	2,64÷8,02	92,70	220
.it 10,5	2,84÷10,10	2,64÷9,05	92,70	250

* data referred to a well insulated environment

Pellet stove



The logo with which the stoves have been denominated, intends to underline, from the design to the production stage, the quality and the care of the product manufactured in Italy.

The new line of pellet stoves makes use of the traditional Unical manufacture and style for an elegant and modern solution, in addition to a pleasant comfort.

The range foresees **3 models of warm air pellet stoves, from 7 up to 16 kW**.

- .it 7
- .it 8.5
- .it 10.5

All the models are finished in the colors bordeaux, white and, again, in a special black, to be inserted in both, modern and traditional interiors.

Innovative in the manufacture, that makes use of the “aeronautical” technology through strong pressure assemblage of the steel plates that form the structure of the stove body, for, then, to be riveted with the same method used for the fuselages of the airplanes.

So, it achieves a reduction of the welding points that assures greater elasticity to the temperature shocks, obviating to tears that, with steel plates of limited thickness, could happen.

Particular attention has been set to the search of the maximum efficiency (92,7%), in addition to a large autonomy and to the reduction of the interventions of extraordinary maintenance.

In case of black out the stove is extinguished. At the electricity restoration a cycle of “cool fire” turning off is effected. Later, the stove restarts automatically.

The **.it** appliances are finished with special varnishes, resistant to the high temperatures, guarantee of duration.

Certifications



EN 14785

European regulation
for heating appliances



TÜV Rheinland®

Precisely Right

European quality certification
for products



German Agency
for
bioenergy development



Swiss Cantonal Association
for fire safety

Pellet

Pellet is a natural fuel, exclusively produced through a mechanical treatment (standard EN 14961-2), which offers important advantages:

- **Economical:** *more than 2/3 of savings if compared to fossil fuels*
- **Easy to use:** *in convenient bags, or for great consumptions, stored in silos*
- **High heating power,** *which varies according to its composition (wood type): 4,1÷5,1 kWh/kg*
- **Reduced ash residual**
- **Highly ecological:** *it recycles the wood carving waste, through small cylinders of 1 to 3 cm length and 6 to 8 mm diameter, without glue addition.*

Examples of annual expenses

Plant power					
	15 kW	20 kW	25 kW	35 kW	50 kW
GPL	3.136	4.181	5.226	7.317	10.453
GAS OIL	2.295	3.060	3.825	5.355	7.650
PELLET	810	1.080	1.350	1.890	2.700
WOOD	540	720	900	1.260	1.800

Consumptions and expenses referend to an alternate usage,
at medium power, in:
November, December, January, February, March.

The elegance of black

the elegance of black





The lightness of white





The warmth of bordeaux





Certified high efficiencies:

> 92%, able to the attainment of the governments bonuses.

Protection of the internal body

thanks to the mirror-like stainless steel walls, to reduce its filthing and to maintain greater resistance in the time

Over sized heat exchanger

for the obtainment of high-efficiencies

Double crystal for the door:

- special ceramic glass, self cleaning through forced ventilation
- frontal "total look" crystal



The sharp line and the refined game of contrasting colors, exalts and valorizes the interiors where it is placed.



The reclining and disappearing multifunction display allows the operation programming and the and the combustion parameters regulation by the technicians.



The LCD display remote control offers an easy access to the main functions, allows to regulate the temperature, acts, besides, as chrono-thermostat with daily program and automatically manages 5 levels of power.

Why to choose it



Loading screw with **strengthened, cooled and silenced ratio-motor**

Automatic crucible cleaning

Refined modulating electronics for:

- rapid attainment of the room comfort
- subsequent activation of the "ECONomy" program for the temperature keeping.

The practical opening and closing handle of the door, totally disappearing, avoiding accidental openings offers greater safety, in addition to a great aesthetical elegance.



The stove, thanks to the *air sucking and smoke evacuation system*, intentionally the most concealed as possible, becomes just a little intrusive, and therefore settable in every situation.



The wide front "Total look" crystal with its unmistakable style, contributes to give value to the stove design.

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RESERVOIR PELLET

Of easy access, with large capacity, up to 30 kg of pellet, it guarantees a long autonomy, up to 32 hours, without reinstatments

Great autonomy with the “checked combustion.”

The electronic controller manages the pellet loading quantity and the fan speed for the smoke evacuation, allowing the rapid heating of the places for, then, once reached the set temperature, starting the ECO regime and reducing to the minimum the pellet consumption, also maintaining in the room the planned temperature.

The practical handle, for opening and closing the door, totally disappearing, offers greater safety avoiding accidental openings, in addition to a great aesthetical elegance.



HEAT EXCHANGER

It is composed by an oversized tube bundle (13 pipes), that allows to the air to go out with low turbulence and therefore with smaller noisiness.

Simple to clean through an easy access to the ashes drawer, placed under the crucible and through a comfortable pipe-scraper lever, placed in the upper part of the front heat exchanger.



1. Driven flow of the cold air for cooling of the stove front
2. Internal laminar flow for the crystal cleaning

Excellent efficiency determined by the widening of the exchange zone, thanks to which the maximum exploitation of the combustion heat is gotten, with consequent lowering of the smoke temperature at the exit (only 149 °C) and an exceptional global efficiency up to 92.7%.

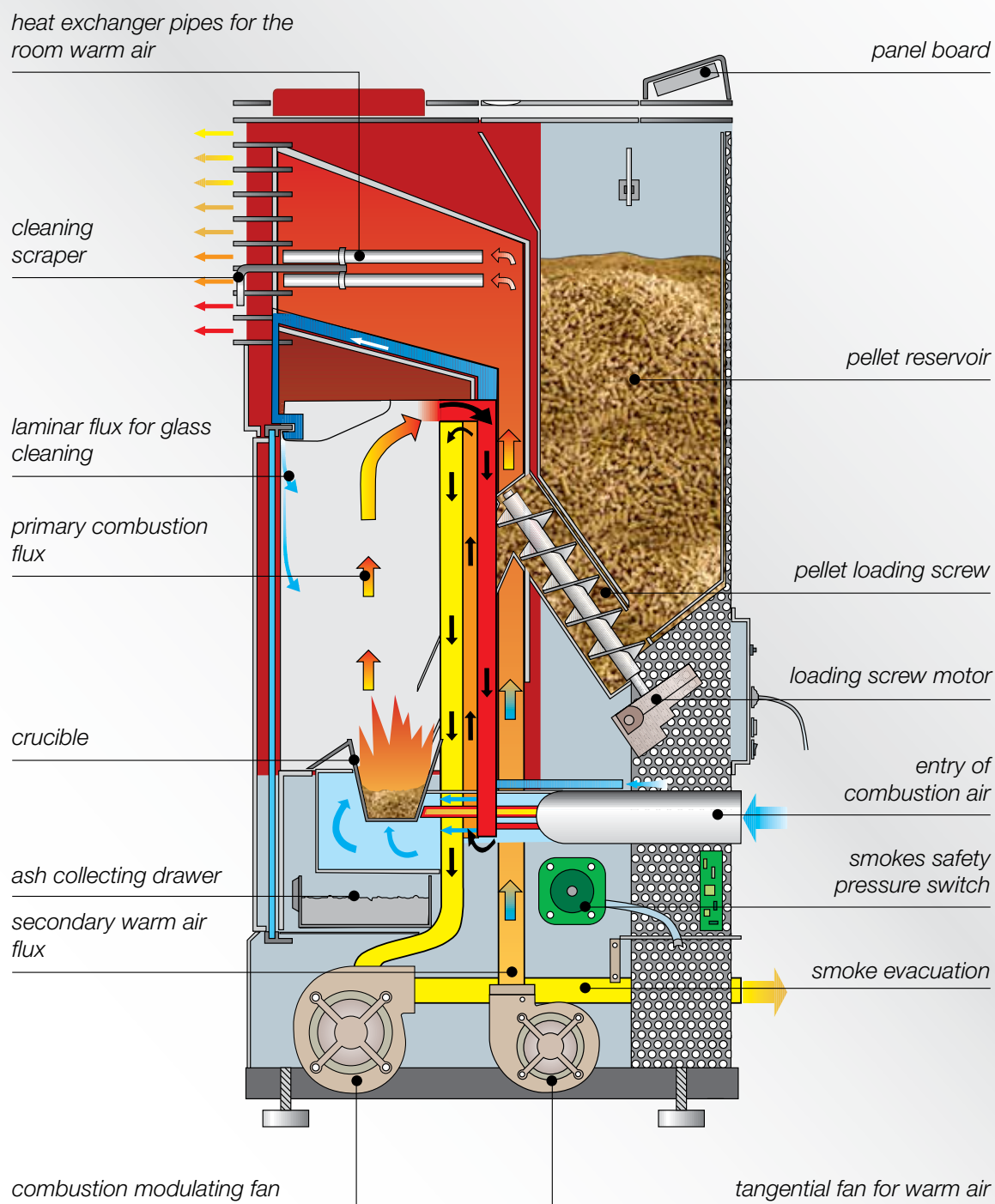


COMBUSTION CHAMBER in steel with mirror-like walls for greater resistance to the possible soot produced by the combustion.

CRUCIBLE in strong cast iron (models 7 - 8.5 - 10.5) in form of frustum of pyramid with square plant, on purpose bored for an optimal oxygenation, that guarantees:

- Rapid lighting
- Better combustion (thanks to the elevated thermal inertia of the cast iron)
- Long duration in the time
- Easy cleaning of the holes placed on the bottom.

Main components



Dimensions



Technical data

Model		.it 7	.it 8,5	.it 10,5
NOMINAL INPUT (max-min)	kW	6,97 - 2,84	8,87 - 2,84	10,10 - 2,84
NOMINAL OUTPUT (max-min)	kW	6,42 - 2,64	7,48 - 2,64	9,05 - 2,64
EFFICIENCY (max-min)	%	92,70 - 92,06	92,70 - 90,50	92,70 - 89,53
Combustion and Hydraulic Performance				
PELLET CONSUMPTION (min-max)	kg/h	0,6 - 1,41	0,6 - 1,7	0,6 - 2,0
PELLET RESERVOIR CAPACITY	l/kg	20 / 13	20 / 13	20 / 13
AUTONOMY at nominal/minimum cap.	h	22 / 9	22 / 8	22 / 6,5
SMOKE TEMPERATURE	°C	149,3	149,3	149,3
MASSIC SMOKE FLOW RATE	kg/h	1,42	1,81	2,06
MINIMUM RECOMMENDED DRAUGHT	Pa	-15	-15	-15
CO% (at 13% O ₂)	% (13 O ₂)	<0,049	<0,049	<0,049
WARMABLE VOLUME *	m ³	170	220	250
ELECTRICAL SUPPLY	V	230	230	230
ABSORBED ELECTRICAL POWER (in steady state/at start)	W	100 - 300	100 - 300	100 - 300
FLUE DUCT DIAMETER	mm Ø	80	80	80
Dimensions and Weight				
HEIGHT	mm	863	962	962
WIDTH	mm	454	454	454
DEPTH	mm	468	468	468
WEIGHT	kg	82	86	91

* data referred to well insulated rooms

Unical



AMI

ABSOLUTELY MADE IN ITALY

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PUNTO Price list

<u>MODEL</u> <u>CODE</u>	<u>OUTPUT(KW)</u>	<u>DESCRIPTION</u>	
96083 EX	7	.IT 7 WHITE	28 897,37
96089 EX	7	.IT 7 BLACK	28 897,37
96095 EX	7	.IT 7 BORDEAUX	28 897,37
96084 EX	8,5	.IT 8.5	38 061,34
96090 EX	8,5	.IT 8.5	38 061,34
96096 EX	8,5	.IT 8.5	38 061,34
96085 EX	10,5	.IT 10.5	40 960,20
96091 EX	10,5	.IT 10.5	40 960,20
96097 EX	10,5	.IT 10.5	40 960,20
96086 EX	12	.IT 12	50 873,31
96092 EX	12	.IT 12	50 873,31
96098 EX	12	.IT 12	50 873,31
96087 EX	16,5	.IT 16.5	72 243,43
96093 EX	16,5	.IT 16.5	72 243,43
96099 EX	16,5	.IT 16.5	72 243,43
96088 EX	16,5	.IT 16.5 C	72 243,43
96094 EX	16,5	.IT 16.5 C	72 243,43
96100 EX	16,5	.IT 16.5 C	72 243,43