

The Caria Series burner system has been developed

as a very quiet and self-cleaning system . A unique design marvel wth international Patent rewards, the

burner is comprised of logical controls which helps

promote an outstanding combustion process.

With its superior abilities, the Caria burners are

capable of igniting the wood pellets under 4 minutes.

Caria Series, is the first boiler to operate under

continuous of vacuum, which effectively prevents

soot, smoke, or any gas leakage to the boiler room.

The combustion chamber is made up of special

stainless steel which is highly acid and high-

temperature resistant. The series subsist a patented

self-cleaning system to prevent the accumulation of ash and sticky substances blocking the combustion air

The Caria Series excel in reliability and long service

life. That is why it is in great demand in Europe and

more than 5 thousand products is successfully

Caria Series

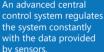
Full Automatic Pellet Fired Boilers





Back Burn Control
Since Caria Series
operate under negative
pressure, fire back burn
is prevented. In addition,
safety thermostat that
constantly controls the
boiler water temperature
prevents the boiler from
reaching high
temperatures.

Advanced Control System An advanced central





Compact Burner Unit

Easily dismountable burner unit provides service friendly maintenance as well as accessibility.



Optional Touch Screen

High Capacity Air Feed

Caria Series boilers are equipped with high capacity flue gas vacuum fans. Precise control of the boiler at the desired capacity is provided with the infinitely variable (modulation) fan.



Automated Ash Cleaning System

The ashes and wastes which are accumulated under the boiler are periodically collected to an external ash box by a screw feeder.



Advanced Combustion System

With Caria burners, up to 94% efficiency is obtained. Ignition element is a low power unit which decreases the electric consumption and also has a longer service



New Elegant Control Panel

Every system on boiler is controlled by user friendly control panel. All functions are expressed by symbols for any language.



Automated Tube Cleaning

Caria Series are equipped with a special turbulator system that enables periodically cleaning of tubes by the control panel.



Automated Burner Cleaning

Caria Series burner has a unique and patented cleaning system which effectively cleans the combustion chamber and discharges all the



Pellet Silo VariationsDifferent sizes of fuel

silos designed for different boiler capacities. Silos are sent disassembled for ease of transportation and easily installed



of the burner grate.

working for more than 12 years.

























Auto Auto Burner Cleaning Tube Cleaning

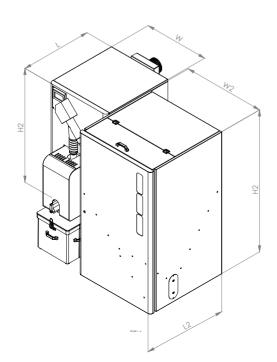
Remote Control

Control

Different of Pellet Silo Auger Variations Variations

Technical Specifications

TECHNICAL SPECIFICATION of CARIA			Unit	Boiler Type						
				CP-12	CP-23	CP-40	CP-60	CP-80	CP-100	CP-150
CAPACITY	Nominal-Minim	ium Heat Output	kW	12 - 3,6	23 - 6,9	40 - 12	60 - 18	80 - 24	100 - 30	150 - 45
			kcal/h	10.320 - 3.096	19.780 - 5.934	34.400 - 10.320	51.600 - 15.480	68.800 - 20.640	86.000 - 25.800	129.000 - 38.700
	Direct Efficiency	in Full Load	%	93,5	93,2	93,4	92,8	92,0	92,0	91,0
OPERATING CONDITIONS	Boiler Class		°C	CLASS 5 acc. To EN 303-5						
	Safety Limit Temperature		°C	95						
	Setting Range for Operating Temperature		°C	80 - 65						
	Min. Water Return Temperature		°C	55						
	Operating® Test Pressure		bar	3 - 4,5						
	Electrical Connection		-	230 Vac , 50 Hz						
	Average Electricity Consumption		W	120	100	120	140	210	210	320
	Recommended Fuel Types		-			Ø6 mm Prer	nium Quality Pellet, I	EN Din PLUS A1, A2		
MAIN DIMENSIONS	Cabin Width, W		mm	700	700 750 750			750		
	Height, H		mm	1395		1495	1695	1695 1710		1710
	Cabin Depth, L		mm	800		82	5	825 1275		1275
	Total Boiler Depth ± 2, Lt		mm	1285	1295	1330	1330	1420		1935
	Stack Size, (Outer, ØD1 -Inner Diameter)		mm	130-125		150-146		180-176		200-196
	Height of Stack Connection, H1		mm	1058		1155	1355	1420 1210		1210
	Water Content		lt	99	91	116	140	11	7	250
	Empty Weight		kg	295	315	404	444	450		625
	Filling ØD2 ® Drain Connections		inch	Y2" Y2"						
	Hot Water Outlet Connections	ØD3	inch	1", Male		1 ½", Male		2", Male		
		H3	mm	1115		1218	1418	13	65	1750
	Water Inlet	ØD4	inch	1", Male		1 ¼", Male		2", Male		
	Connections	H4	mm	245		255		197		215
FUEL ® STORAGE	Fuel Container Type		-	PS300		PS500	PS800			
	Net Volume		lt	325		507	800			
			kg	200		330	520			
	Silo Dimensions W2 x L2 x H2		mm	600x850x1	433	850x850x1433	950x950x1633			



Highlights on the Features of Caria:

- •Automatic ignition,
- ·Automatic cleaning of boiler tubes,
- ·Automatic cleaning of burner grates,
- ·Automatic ash removal,
- •Automatic pellet-air ratio control (automatic adjustment of pellet dosage),
- •Flexible installation (can be used easily with the closed expansion tank),
- •External fuel silo,
- ·User friendly digital display,
- •Optimum combustion performance with superior control software for pellet,
- •Electronic air supply regulation, up to 94% efficiency,
- •Easy maintenance with patented modular burner,
- •Industrial performance for hotels and big businesses.

