



KALORINA Compact series

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**CALDAIE A BIOMASSA
SISTEMI SOLARI**

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BOILER MODEL			BK 25
Generator type			Smoke tubes
Carrier Fluid			Water
Rated Power		<i>kW</i>	32
Nominal Power		<i>kW</i>	29
Reduced Power		<i>kW</i>	9
Efficiency	<i>min</i>	%	89
	<i>max</i>	%	92
Boiler class according to norm	<i>EN 303-5 : 1999</i>		3

COSTRUCTION DATA ⁽¹⁾

Dimensions with standard hopper	<i>Width</i>	<i>mm</i>	(A)	835
	<i>Depth</i>	<i>mm</i>	(B)	811
	<i>Height</i>	<i>mm</i>	(C)	1142
Dimensions for the opening of the door for cleaning		<i>mm</i>	(L)	310
Loading Door dimensions	<i>Width</i>	<i>mm</i>	(H)	245
	<i>Height</i>	<i>mm</i>	(I)	275
Standard hopper volume for PELLET		<i>liters</i>		93
Standard hopper volume for CEREALS		<i>liters</i>		93
Weight		<i>Kg</i>		290
Chimney diameter		<i>Ø mm</i>	(R)	150
Ash tray Volume		<i>liters</i>		8

HYDRAULIC DATA

Max working pressure		<i>Bar</i>		3
HSW production		<i>litres/min</i>		10
Max working temperature		<i>°C</i>		90
Boiler water content		<i>liters</i>		60
Sleeves UNI/DIN EN 10241- ST 37	<i>Delivery</i>	<i>Ø mm</i>	(O)	DN 25 V (1")
	<i>Return</i>	<i>Ø mm</i>	(P)	DN 25 V (1")
	<i>Expansion tank</i>	<i>Ø mm</i>	(Q)	DN 25 V (1")
	<i>HSW copper coil</i>	<i>Ø mm</i>	(K)	DN 14
Loading drop in the water side 20 k		<i>mbar</i>		8

OPERATING DATA

Draught Pressure		<i>Pa</i>		20±(30%)
Smoke temperature		<i>°C</i>		180±(20%)
Fuel flow setting				Electronic modulating
Ventilation flow setting				Electronic modulating

FUELS

Recommended class			WOOD PELLETT (EN 14961-2)
Fuel with W < 15%			Wood (EN 14961-5),olive husk, Minced shells and Cereals waste (EN 14961-6)
	Wood max		480 mm

REFERENCE FUEL⁽²⁾

Combustion mode			70% PELLETT - 30% CEREALS WASTE
Consumption with nominal power		kg/h	6
Consumption with reduced power		kg/h	1,8
Smoke flow with nominal power		Nm ³ /h	42,0
Smoke flow with reduced power		Nm ³ /h	12,6

ELECTRICAL DATA⁽³⁾

Control panel			Modulating digital electronic thermoregulator complete with main switch, manual reset thermostat, light indicators
Ignition			Electronical through resistor 250 W, 230 V, 1A
Installed electric power		W	644
Average power input		W	197
Rated Voltage		V	230
Nominal frequency		Hz	50
Nominal current		A	4,75

ARRANGEMENTS

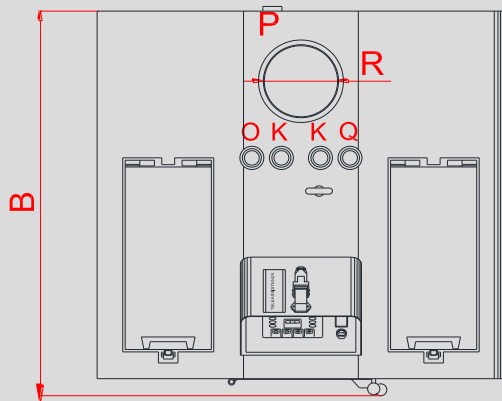
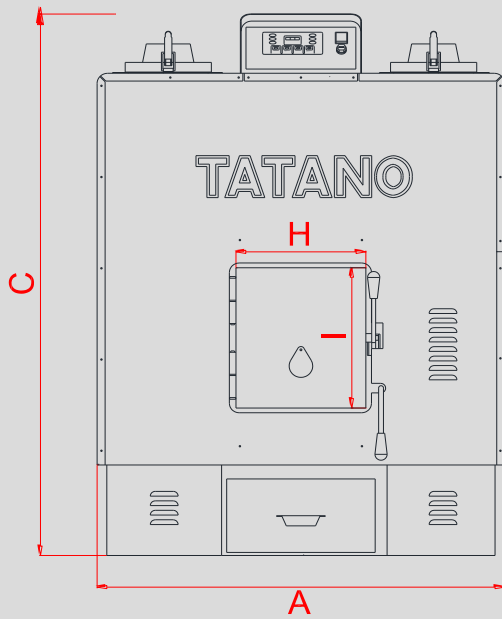
Burner connection			Gas and/or fluid fuels
Remote Control-Remote Assistance			Output connection
Room thermostat			Output connection
Water Pressure switch			Output connection

OPTIONAL

Remote Control-Remote Assistance			Wifi module
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SECURITY SYSTEM

			Anti-freeze programming
Reporting, control and boiler stop			Through boiler probe and smoke probe
			Manual resetting thermostat
Reporting of operating errors			Boiler block for open hatch
			Through visual and/or acoustic alarms



(1) The dimensions can vary according to choices of constructive nature

(2) The data concerning consumption may vary according to the characteristics of the fuel used, or for the operating conditions.

(3) Data may vary according to the electrical components installed (motors, fans, etc.). The actual data will be shown on the plate attached to the boiler.

The company reserves the right to change dimensions and features without prior notice, declines all responsibility for errors in transcription or printing.