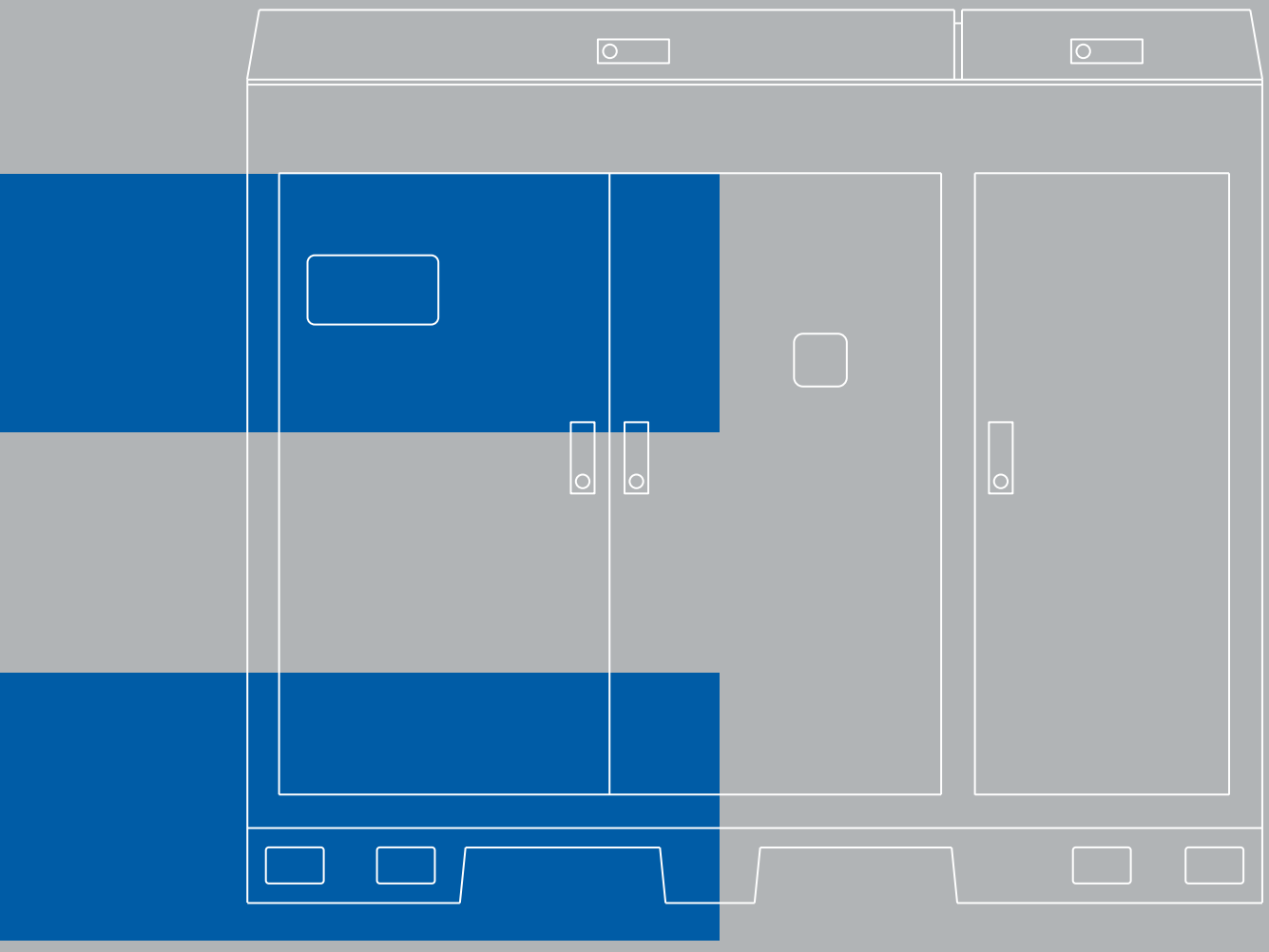
BLUEVO®

DATA SHEETS

BLUEVO 80

Boiler for domestic heating powered by **Wood pellets**



RISPETTA LA CERTIFICAZIONE AMBIENTALE • DM186 2017 • 5 ★★★★★ DM186 2017

TATANO® renewable energies

DATA SHEETS — BLUEVO 80

BLUEVO 80		
Carrier fluid		Water
Power on furnace	kW	87,7
Nominal Power	kW	81,0
Reduced Power	kW	11,0
Thermal efficiency	%	92,3
Boiler class	EN 303-5:2012	5

CONSTRUCTION DATA (1)			
Dimensions mm	Width (L)	mm	2.350
	Depth (P)		870
	Height (H)		1.790
Fuel feeding			Extraction system through auger
Weight		Kg	800
Flue diameter (F)		Ø mm	100
Outside air intake diameter (G)		Ø mm	150
Boiler body		mg/Nm³	Steel
Combustion chamber		mg/Nm³	Dry chamber with double flue gas vertical exchanger
Brazier			Stainless steel with refractory walls
Boiler body isolation			In high-density material, infill panels in anti-corrosion epoxy powder coated steel
Hopper volume		liters	225

HYDRAULIC DATA			
Hydraulic pressure test		bar	6
Max working pressure		bar	3
Boiler water content		litri	252
SLEEVE UNI/DIN EN 10241-ST 37	Delivery (A)	Ø mm	DN 25 V
	Return (B)		DN 25 V
Residual power heat sink flange	Inlet (C)	Ø mm	DN 15
	Outlet (D)		DN 15
Security valve	Outlet (E)	Ø mm	DN 15
Expansion tank			Open / Closed
Water pressure drop at 20 K		mBar	25,0

FUNCTIONING FEATURES

Draft pressure		Pa	12
Smoke temperature		°C	105,1
Max working temperature	Water	°C	90
Smoke evacuation system		kW	Forced draft suction
Fuel flow regulation		%	Automatic by level switch
Combustion chamber ash exhaust system			Through removable ash drawer
Flue ash exhaust system			Gravitational on removable dust drawer on wheels
Ash tray volume		liters	16,0
Dust collection drawer volume		liters	22,0

FUEL (2)

Class to be used		PELLET: EN ISO 17225-2
Fuel consumption at a nominal power	Kg/h	18,67
Fuel consumption at a reduced power	Kg/h	2,40
Smoke flow at a nominal power	g/s	41,9
CO Emissions (10% of O_2)		CLASS 5 according to EN 303-5:2021
Dusts (10% of O_2)		Rewarding coefficient equal to 1,5
Environmental quality class		★★★★★

ELECTRICAL DATA (3)

Adjustement and control unit		Electronic type for the programmed control and management of combustion thorgh a flue gas temperature probe and boiler temperature probe, safety timers, shutdown due to failed ignition and various alarms. Composed of motherboard, thermoregulator, menu with online help that allows electronic management of the system with signaling of the operating status and alarm signaling
Ignition		Electronic
Electrical nominal power installed	W	725
Medium nominal electric power	W	157
Nominal voltage	V	230
Nominal frequency	Hz	50
Nominal installed current	A	4,46
Energy class		A++

ARRANGEMENT

Remote assistance	Through connection RS 232

OPTIONAL

Automatic loading of the hopper	Through pneumatic suction system
Remote assistance	Software for management and control via Wi-Fi or internet module

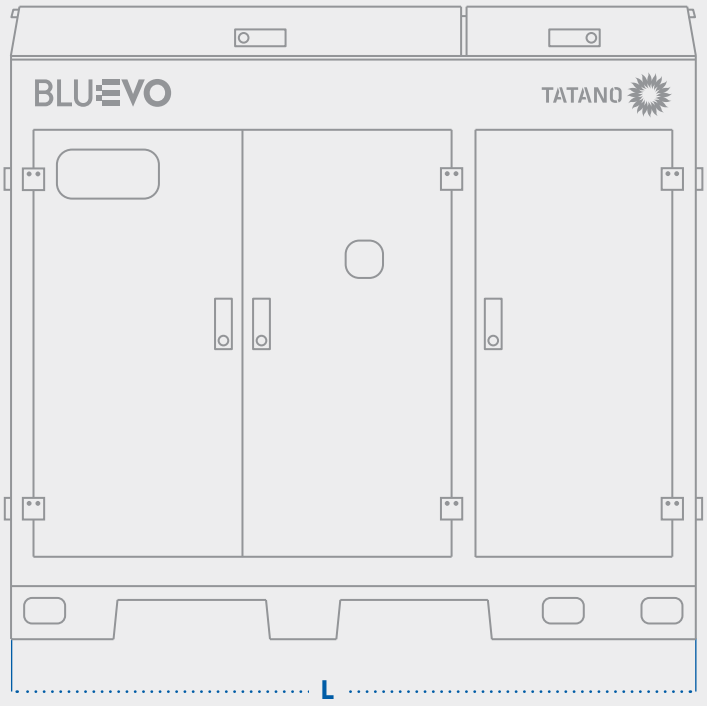
STANDARD

Through remote control system	Through Wi-Fi module

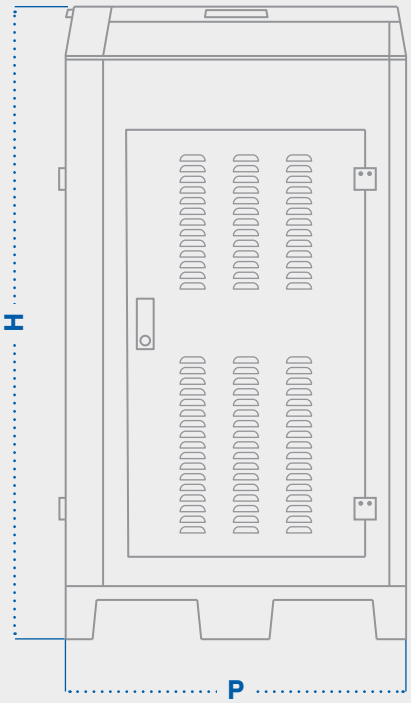
SECURITY SYSTEM

Alarm and control	Antifreeze programming
	Through boiler and smoke probes
	Manual resetting thermostat
No electricity	UPS group
	Combustion chamber temperature probe
Functioning error alarms	Through visual and / or acoustic alarm
	Combustion chamber inspection viewer
	Differential pressure switch
	Shutdown due to ignition failure and various alarmsi
Smokes evacuation in emergency	Through the secondary suction fan in emergency function

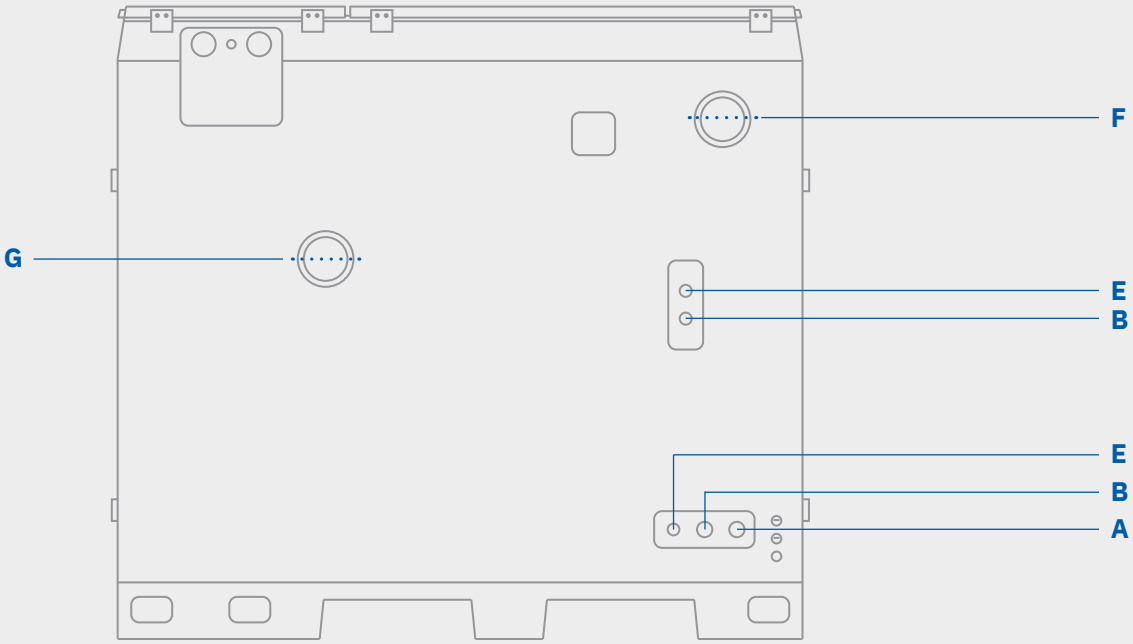
FRONT VIEW



SIDE VIEW



REAR VIEW



(1) The dimensions may vary depending on the addition of optional accessories or for constructive choices.
(2) Consumption and environmental emissions data may vary depending on the characteristics of the fuel used, on operating condition and on smoke treatment systems.
(3) The data may vary according to the electrical components installed (motors, fans, etc.). The actual data will be reported in the plate affixed to the boiler.

The company reserves to modify dimensions and characteristics without any notice. Moreover, it declines any responsibility for transcription or printing errors.

TATANO s.n.c.

Biomass boilers
Solar systems

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

T +39 0922 901376

Via F. Cassoli, 29
29122 Piacenza

T +39 0523 609788

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