

DECLARATION OF PERFORMANCE
according to Regulations 305/2011 of EU
№ 2 CPR 2021-10-11

1. Unique identification code of the product-type:	Pellet boiler Sofia B Heating appliances working on wood pellets for residential premises (EN 14785:2006)
2. Intended use:	Pellet boiler with water back boiler, with continuous work mode, designed to work with the door closed for heating of domestic premises.
3. Manufacturer:	Georgi Velichkov 2012 Ltd 43, Georgi Urumov str. 2850 Petrich, Bulgaria
4. Authorised representative:	Energy Economy Ltd - 10 Krusha str., 2850 Petrich, BG
5. System/s of AVCP:	System 3
6. Harmonised standard: According regulation: Notified body: Test report number and date:	EN 14785:2006, CEN/TS 15883:2009 Kontrol 94 Ltd - NB 1879 NB 1879-K-19-2021 - 10.11.2021
7. Declared performances:	
Essential characteristics:	Performances:
Fire safety	Pass
- Fire classification	A1
- Distances from combustible materials – details available in the technical manual	Minimum distance in mm Rear = 300, Left and right sides = 300, Ceiling = 600, Front = 800 (safety information), Floor = 0
- Fire hazard due to combustible material falling out	Pass
- Cleanability	Pass
Emission of combustion products : (13% O ₂ ; Fuel type dry wood)	Pass CO 135 mg/Nm ³ ; 0.0108 % Dust 19.6 mg/Nm ³ OGC 3.53 mg/Nm ³ NOx 123.84 mg/Nm ³
- Flue gas temperature at nominal heat output	T [105.5°C]
Surface temperature	Pass
Electrical safety	Pass
Release of dangerous substances	Pass
Maximum working pressure of the water	2.0 bar
Mechanical resistance (to carry a chimney/flue)	NPD
Thermal output/energy and seasonal efficiency	Pass
- Nominal heat output. (Chimney traction 12 Pa.)	22.18 kW
- Room heating output	3.57 kW
- Water heating output	18.61 kW
- Water heating output	η [92.81 %]
- Seasonal energy efficiency	η _s [96.23 %]
8. The performance of the product identified above is in conformity with the set of declared performances indicated in item 7.	

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.
Signed for and on behalf of the manufacturer by:

M. Marinov - Manager

Petrich 10.11.2021

