DECLARATION OF PERFORMANCE

According to Regulation (EU) 305/2011

№ 23/06/2026

1. Unique identification code of the product type: **ZVEZDA 4 VR C**

2. Purpose: Solid-fuel heating appliance with a built-in water heater and manual combustion control, designed for operation with the door closed for the purpose of heating residential premises/dry wood/.

3. Manufacturer: "VS-METAL COMPANY" AD, Lukovit, 1 Gurko Street, Bulgaria.

4. Authorized representative: "VS-METAL COMPANY" AD

5. System of assessment of constancy of performance: System 3
EN 16510-2-1:2023; EN 16510-1:2023

6. Notified body:
Number and date of test report: CPR 21 - NB 1837
Testing:CPR 549/23.06.2026

7. Declared performance characteristics:

Harmonized standard EN 16510-2-1:2023 ; EN 16510-1:2023		
Main features		Performance characteristics
Fire safety		
Reaction to fire		A1
Distance to combustible materials		Minimum distances in mm:
- Back / Sides / From below / Front	(d_R)	500mm. /500mm./ 0mm./ 800mm.
- in the lower anterior radiation zone	(d_F)	1500
- in the lateral anterior radiation zone	(d_L)	1500
- under the bottom	(d_B)	0
Risk of burning fuel spilling		Responds
Emissions of combustion products at nominal heat output 13% O2		
Carbon monoxide emissions (CO)		1149 mg/m^3
Nitrogen oxide emissions (NOx)		140 mg/Nm^3
Organic gaseous carbon emissions (OGC)		63 mg/Nm^3
Particulate matter emissions (PM)		28 mg/Nm^3
Surface temperature		Responds
Electrical safety		-
Cleaning ability		Responds
Flue gas temperature at nominal power		T = 248,8 °C
Mechanical resistance (for carrying a chimney/flue)		NPD
Nominal heat output		12.3 kW
Nominal heat output of the water heater		7.4 kW
Heating capacity per room		4.9 kW
Energy efficiency index		104 – Class A
Energy efficiency at nominal heat output		η = 77 %
Seasonal energy efficiency		η = 68 %

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

23.06.2026

Executive Director: V. Vatov