

1. Unique identification code of the product-type:
Code 27 – Residential space heating appliances fired by wood pellets (BDS EN 303-5:2021).
Extreme 20 + RB20 Star
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):
Serial number- see the product label
3. Intended use or uses of the construction product, in accordance with the applicable harmonised specification, as foreseen by the manufacturer:
Freestanding pellet stove with a water heating function, designed for operation with the door closed and featuring an automatic fuel feed system. Intended for heating residential spaces.
4. Name, registered trade name or registered trade mark and contact address of the manufacturer in accordance with the requirements of Article 11, paragraph 5:
NIKO THERM ENGINEERING Ltd
20 Maritsa St., 5100 Gorna Oryahovitsa, Republic of Bulgaria; email:office@niko-therm.com
5. System or systems of assessment and verification of constancy of performance of the construction product, as set out in Annex V: **System 3**
6. Declaration of performance for a construction product covered by a harmonised standard:
Control 94 Ltd
5100 Gorna Oryahovitsa, Republic of Bulgaria, 2 Mladost St.;
Test Report № SFB-04-2021-C1/20.07.2022

7. Declared performance

Harmonized technical specification	BDS EN 303-5:2021	
	Operational performance indicators	
Fire Safety		
Reaction to fire	A1	
Minimum distances to combustible materials, mm	Rear (dR) – 300, sides (dS) – 300, top (dC) – 400, front (dP) – 500, floor in front of the appliance (dF) – 300, sides in front of the appliance (dL) – 300, under the appliance (dB) – 0	
Risk of ignition in the event of fuel spillage	Verified	
Surface temperature of the working parts	Verified	
Electrical safety	Verified	
Cleaning	Verified	
Maximum water operating pressure	2 bar	
Mechanical resistance (support for the chimney/flue)	Not applicable	
	Nominal heat output	Reduced heat output
CO emissions in combustion products at 10% O ₂	449 mg/m ³	353 mg/m ³
Flue gas temperature	99 °C	51 °C
Thermal power output	19.81 kW	6.63 kW
The boiler efficiency based on the net calorific value (NCV) – indirect method	91,23%	88,08%
The boiler efficiency based on the net calorific value (NCV) – direct method	88,72%	92,2%
Efficiency	82.7%	82.1%
Emissions in combustion products at 10% O ₂		
PM (mg/m ³)	27.9 mg/m ³	28.7 mg/m ³
OGC (mg/m ³)	12.73 mg/m ³	5.6 mg/m ³
NO _x	158.63 mg/m ³	146.22 mg/m ³

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 4:

Signed for and on behalf of the manufacturer:
10.09.2026:

Gorna Oryahovitsa

Manager:
(Eng. Nikolay Tsvetanov)

