DECLARATION OF PERFORMANCE

according to Regulation (EU) 305/2011

№ : 05/01/2025

1. Unique identification code of the product-type:	Code 27 **THALIA LUNA** Roomheaters fired by solid fuel – (EN 16510-2-1:2023 „Residential solid fuel burning appliances - Part 2-1: Roomheaters
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):	Serial № : 10 000 05
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:	Appliance without hot water boiler, with manual control of burning, designed to work with a closed door for heating of domestic premises.
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	**Company Deta :** **Trgo – Produkt Doo** **Kralja Petra I - 30** **22320 Indjija -Serbia** E-mail : **infodesk@trgoprodukt.com**
5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):	
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:	System 3
7. In case of the declaration of performance concerning a construction product covered by a harmonized standard: The notified laboratory performed the determination of product type on the basis of type testing under system 3 and issued test report	**Notified body: NB 1045** **TEST REPORT : ITT 30-17230 / 2 / T -31.10.2024**

8. Declared performance:

Harmonized technical specification EN 16510-2-1:2023 and EN 16510-1:2023		
Essential characteristics		**Performance**
Fire safety		
Reaction to fire		
Distance to combustible materials		Minimum distances in mm:
- from the rear wall	**(d_R)**	400
- from the side wall	**(d_S)**	400
- from the top	**(d_C)**	800
- from the front	**(d_P)**	800
- in bottom front radiation area	**(d_F)**	0
- in side front radiation area	**(d_L)**	750
- below the bottom	**(d_B)**	0
Risk of burning fuel falling out		
Emission of combustion products at 13% O_2 nominal heat output		
Carbon monoxide emissions **(CO)**		406 mg/m3
Nitrogen oxide emissions **(NOx)**		128 mg/Nm3
Emissions of organic gaseous carbon **(OGC)**		21 mg/Nm^3
Particulate matter emissions **(PM)**		34 mg/Nm^3
Surface temperature		Pass
Electrical safety		Pass
Clean ability		Pass
Maximum water operating pressure		NPD
Flue gas temperature at nominal heat output		T = 383 °C
Mechanical resistance (to carry a chimney / flue)		NPD
Thermal output		Pass
Nominal heat output		9.7 kW
Room heating output		9,7 kW
Water heating output		NPD
Energy efficiency at nominal heat output		79

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. 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 by:

Manager: .....

01.01.2025

TECHNICAL DATA SHEET

for appliance Thalia Luna

according to Table 22 of the standard EN 16510-1:2023

№	Parameter	Unit	Explanation	Data for fuel wood
1*	P_{nom}	kW	The nominal heat output or a range of outputs (dependent on fuel types)	9,7
2*	P_{SHnom}	kW	The nominal space heat output or a range of outputs (dependent on fuel types)	9,7
3*	P_{Wnom}	kW	The nominal water output (if an integral boiler is fitted) or a range of outputs (dependent on fuel types)	NA
4*	P_{part}	kW	The part load heat output or a range of outputs (dependent on fuel types)	NA
5*	P_{SHpart}	kW	The part load space heat output or a range of outputs (dependent on fuel types)	NA
6*	P_{Wpart}	kW	The part load water output (if an integral boiler is fitted) or a range of outputs (dependent on fuel types)	NA
7*	P_{slow}	kW	The heat output at slow combustion or a range of outputs (dependent on fuel types)	NA
8*	P_{SHslow}	kW	The space heat output at slow combustion or a range of outputs (dependent on fuel types)	NA
9*	P_{Wslow}	kW	The water heat output at slow combustion (if an integral boiler is fitted) or a range of outputs (dependent on fuel types)	NA
10*	η_{nom}	%	The appliance efficiency at nominal heat output	79
11*	η_{part}	%	The appliance efficiency at part load heat output	NA
12	η_s	%	The appliance seasonal space heating efficiency at nominal heat output	69
13	EEI	-	The energy efficiency index	105
14*	CO_{nom} $(13\%O_2)$	mg/m^3	CO emission at 13 % oxygen content at nominal heat output	406
15*	CO_{part} $(13\%O_2)$	mg/m^3	CO emission at 13 % oxygen content at part load heat output if specified	NA
16*	CO_{slow} $(13\%O_2)$	mg/m^3	CO emission at 13 % oxygen content at heat output at slow combustion if specified	NA
17*	NOx_{nom} $(13\%O_2)$	mg/m^3	NOx emission at 13 % oxygen content at nominal heat output	128
18*	NOx_{part} $(13\%O_2)$	mg/m^3	NOx emission at 13 % oxygen content at part load heat output if specified	NA
19*	NOx_{slow} $(13\%O_2)$	mg/m^3	NOx emission at 13 % oxygen content at heat output at slow combustion if specified	NA
20*	OGC_{nom} $(13\%O_2)$	mg/m^3	OGC emission at 13 % oxygen content at nominal heat output	21
21*	OGC_{part} $(13\%O_2)$	mg/m^3	OGC emission at 13 % oxygen content at part load heat output if specified	NA
22*	OGC_{slow} $(13\%O_2)$	mg/m^3	OGC emission at 13 % oxygen content at heat output at slow combustion if specified	NA
23*	PM_{nom} $(13\%O_2)$	mg/m^3	Particulate matter emission at 13 % oxygen content at nominal heat output	34
24*	PM_{part} $(13\%O_2)$	mg/m^3	Particulate matter emission at 13 % oxygen content at part load heat output if specified	NA
25*	PM_{slow} $(13\%O_2)$	mg/m^3	Particulate matter emission at 13 % oxygen content at heat output at slow combustion if specified	NA
26*	p_{nom}	Pa	Minimum flue draught at nominal heat output	12
27*	p_{part}	Pa	Minimum flue draught at part load heat output if specified	NA

№	Parameter	Unit	Explanation	Data for fuel wood
28*	p_{slow}	Pa	Minimum flue draught at heat output at slow combustion if specified	NA

29*	p_w	bar	The permissible maximum water operating pressure	NA
30*	d_R	mm	The minimum distances from the rear to combustion material	400
31*	d_S	mm	The minimum distances from the sides to combustion material	400
32*	d_C	mm	The minimum distances from the top to combustion material in the ceiling	800
33*	d_P	mm	The minimum distances from the front to combustion material	800
34*	d_F	mm	The minimum distances from the front to combustion material in bottom front radiation area	0
35*	d_L	mm	The minimum distances from the front to combustion material in side front radiation area	750
36*	d_B	mm	The minimum distances below the bottom (not regarding feet) to combustible material	0
37	d_{non}	mm	The minimum distance to non-combustible walls	NA
38	s	mm	Protective insulation according to manufacturers instructions	NA
39	el_{SB}	kW	The consumption of electrical auxiliary energy at standbay	NA
40	el_{max}	kW	The consumption of electrical auxiliary energy at nominal heat output	NA
41	el_{min}	kW	The consumption of electrical auxiliary energy at part load heat output	NA
42	E, f	V, Hz	Power supply voltage, frequency	NA
43	W_{max}	W	Maximum electric power input	NA
44	T_{snom}	°C	The flue gas outlet temperature at nominal heat output	383
45	T_{spart}	°C	The flue gas outlet temperature at part load heat output	NA
46	T_{class}	-	**Chimney designation according to the appropriate chimney standard**	**T 400 G**
47	$\Phi_{f,g\ nom}$	g/s	The flue gas mass flow at nominal heat output	7
48	$\Phi_{f,g\ part}$	g/s	The flue gas mass flow at part heat output	NA
49	V_h	m^3N/h	The standing air loss	NA
50	CON or INT	-	Indication whether the appliance is capable of continuous operation (CON); Indication whether the appliance is capable of intermittent operation (INT)	NA
51	d_{out}	mm	The diameter of the flue gas outlet	120
52	L, H, W	mm	The overall dimensions of the appliance *(hight ,width , depth)*	895/ 524 / 496
53	m	kg	Mass of the appliance	---
54	m_{chim}	kg	**The maximum load of a chimney the appliance may carry**	**15**
55		-	"Read and follow the user operating instructions"	-

* - the parameters are also indicated on the CE marking label