

EN/2023/1/SIGA/E

**DECLARATION OF PERFORMANCE**

1. Manufacturer: STALKO SP. Z O.O SP. K., ul. Solec 24/253, 00-403 Warsaw; production: Gdyńska 32, 26-600 Radom
2. Type / identification code: freestanding stove SIGA 6,5 kW / SIGA
3. Application: space heating in buildings by radiation and convection
4. Name and number of the notified body performing initial type testing: Engineering Testing Institute, s.p. Hudcova 424/56b, 621 00 Brno, Czech Republic,, Jednostka Notyfikowana nr 1015
5. The system or systems of assessment and verification of constancy of performance: system 3
6. Declared performance for a wood-burning freestanding stove:

Basic characteristics	Declared technical parameters
Harmonised technical specification	EN 13240:2001+A2:2004+AC:2006+A2:2004/AC:2006+A2:2004/AC:2007
Fire protection	NPD
Release of hazardous materials	No hazardous substances. No part of the fireplace contains asbestos. No cadmium or any heavy metals are used in the production
Mechanical strength	Exhaust: meets $\varnothing = 147$ mm; L = 52 mm Flue gas ducts: meets $\geq 30$ mm
Temperature of surface	Meets
Electrical safety	NPD
Maximum working pressure of water	NPD
Average flue gas temperature	190 °C
Emission CO (13% O <sub>2</sub> )	0,0758 %
Nominal power	6,5 kW
Nominal power, water	NPD
Energy efficiency	84 %

Performance of the product specified in point 2 are compliant with the declared performance in point 6. This declaration of performance is issued in accordance with REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (EU) No 305/2011 under the sole responsibility of the manufacturer indicated in point 1.

Radom, 24.01.2023



CEO  
*Michał Ziomek*

Michał Ziomek

**STALKO**

Spółka z ograniczoną odpowiedzialnością spółka komandytowa  
ul. Solec 24/253, 00-403 Warszawa, POLSKA  
Biuro: Gdyńska 32, 26-600 Radom, POLSKA  
NIP 9482603545, REGON 361379132, KRS 0000836475

+48 48 380 18 98  
+48 800 88 00 30

info@stalko.com

www.stalko.com

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## DECLARATION OF CONFORMITY

The SIGA free-standing stove meets the requirements determined by Commission Regulation (EU) 2015/1185 of 24 April 2015 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign for solid fuel local space heaters. The declaration was issued on the base of the test report No. 1015-CPR-30-15125/3/TZ prepared by notified body No. NB1015.

Nominal power	Efficiency	Seasonal energy efficiency	EEI	Energy class
6,5 kW	84 %	74 %	111,8	A+

Emissions*				
Parameter	PM mg/m <sup>3</sup>	OGC mg/m <sup>3</sup>	CO mg/m <sup>3</sup>	NOx mg/m <sup>3</sup>
Value	26	52	948	84
Requirements	≤ 40	≤ 120	≤ 1500	≤ 200

\* at 13% O<sub>2</sub>

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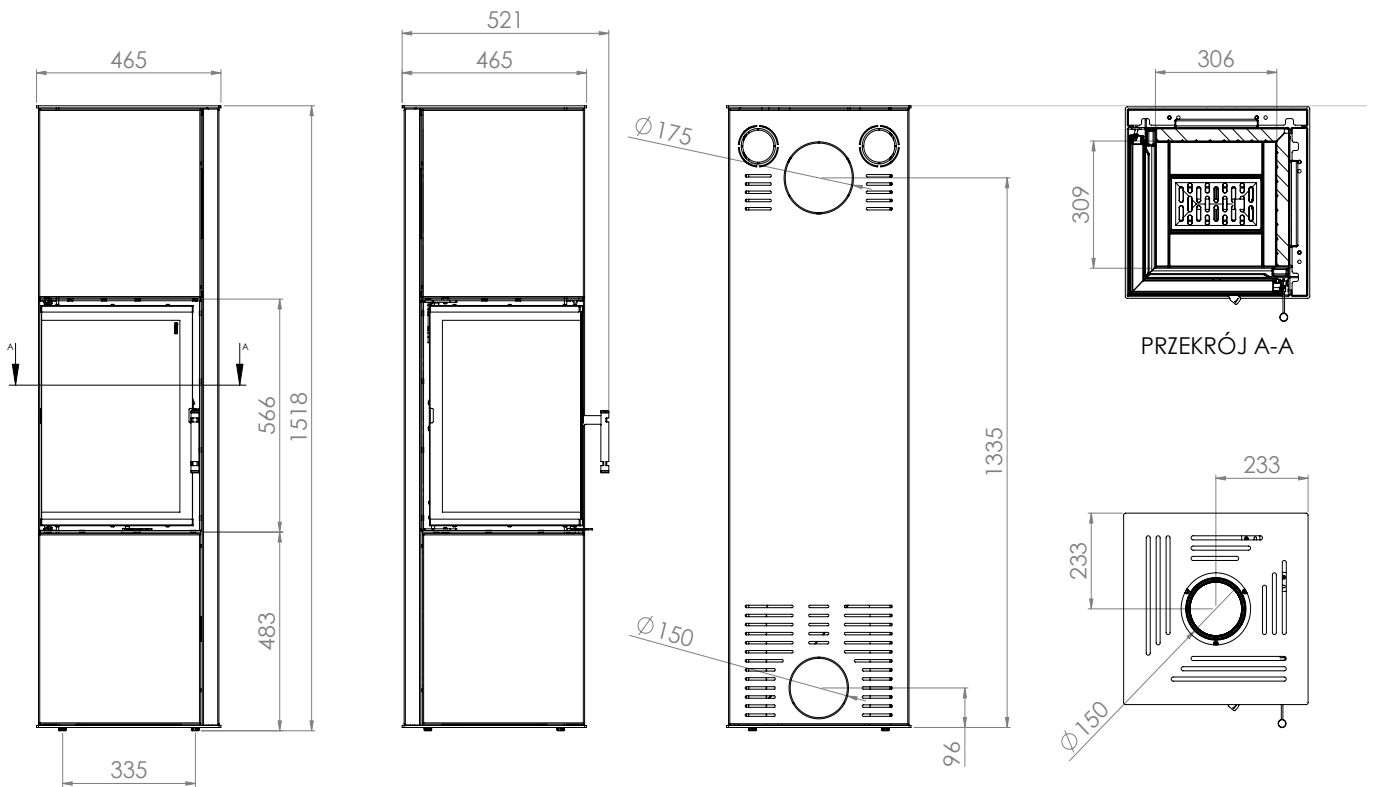
BASIC INFORMATION ABOUT THE PRODUCT



- Convenient cleaning of the cooker by means of the ash pan located under the grate.
- Easy firing is guaranteed by the cast-iron grate with independent aeration.
- The cooker's exceptional longevity is achieved through a design that makes use of multi-plane bending of the steel from the largest possible pieces.
- The small size of the cooker and the low value of the lower heating power range make the cooker ideal for smaller rooms.
- There is a possibility of connecting the flue from the top or the back of the cooker with a solid cast iron flue.
- If the flue outlet is connected at the rear, it is possible to use the upper heating plate.
- The cooker is made of high quality P265GH boiler steel.
- The cooker is equipped with an air guide to keep the glass clean made of heat-resistant ceramic glass used in all Hitze fireplaces (up to 800 degrees C).
- The use of two deflectors (ceramic and steel) ensures ecological combustion..

Nominal power [kW]	6,5
Heating load range [kW]	3-8,5
Thermal efficiency [%]	84
CO emissions (at 13% O2) [g/m3]	0,026
Pollen emission [g/m3]	0,948
Average fuel consumption [kg/h]	1,86
Glass dimensions [mm]	386x503x386
Flue diameter [mm]	150
Inlet diameter [mm]	123
Weight [kg]	163
Efficiency factor	111,8





**SIGA**



Characteristics when operated using only recommended fuel							
Parameter	Designation	Value	Unit	Parameter	Designation	Value	Unit
<b>Thermal power</b>				<b>Usable efficiency (calorific value in working condition)</b>			
Nominal thermal power	$P_{nom}$	6,5	kW	Usable efficiency at nominal thermal power	$\eta_{th,nom}$	84	%
Minimum thermal power	$P_{min}$	-	kW	Usable efficiency at minimum heat output (approximate)	$\eta_{th,min}$	-	%
<b>Electricity consumption for own needs</b>				<b>Type of heat output/room temperature control (please select one option)</b>			
At nominal thermal power	$e_{l,max}$	x,xxx	kW	single-stage heat output without room temperature regulation	YES		
With minimal heat output	$e_{l,min}$	x,xxx	kW	at least two manual steps without room temperature control	NO		
In standby mode	$e_{l,SB}$	x,xxx	kW	mechanical regulation of the room temperature using a thermostat	NO		
<b>Energy demand of a constant pilot flame</b>				electronic room temperature control	NO		
Pilot flame energy requirement (if applicable)	$P_{pilot}$	N/A	kW	electronic room temperature control and 24-hour controller	NO		
				electronic room temperature control and weekly controller	NO		
				<b>Other adjustment options (multiple can be selected)</b>			
				room temperature control with presence detection	NO		
				room temperature regulation with open window detection	NO		
				remote adjustment option	NO		
Contact details	STALKO Spółka z ograniczoną odpowiedzialnością spółka komandytowa ul. Gdyńska 32, 26-600 Radom						

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