

1. Unique identifying code of the product type
Type, series, serial number or any other element enabling the identification of construction products POLARIS
Type BE
2. Intended use of the construction product in accordance with the appropriate harmonised technical specification Residential solid fuel burning appliance without water heating.
3. Name, company or registered trademark and contact address of the producer ROMOTOP spol. s r.o.
Komenského 325, 742 01 Suchdol nad Odrou, Czech Republic
4. Authorised representative Schiedel GmbH & Co. KG, Lerchenstraße 9, 80995 München, Germany
5. System(s) of assessment and control of stability of properties of construction products 3
Report: Assessment of the Performance of Construction Product 1015-AoP-30-17623-2-TZ / 2025-10-13
Test report no. 30-17623-2-T / 2025-10-01
6. Nominated test laboratory NB1015, Strojírenský zkušební ústav, s.p., Hudcova 424/56b, 62100 Brno
Harmonised technical specification EN 16510-1 ed.2:2023 | EN 16510-2-2:2022
7. Declared qualities stated

Product type	Principal dimensions (mm)			Nominal heat output (kW)	Hot-water exchanger nominal heat output (kW)	Fuel consumption (kg/h)	Flue pipe deameter (mm)	Flue draught (Pa)
	Height	Width	Depth					
POLARIS	1341	805	574	7,8	---	2,20	150-200	12

Main characteristics

Wood-fireplace insert type

153A-031

Fire safety

Fulfilled

Protection of flammable materials

		Minimum distance	
		from flammable materials	from nonflammable materials
Back	d_R	0	d_{Rnon}
Front	d_P	1200	---
Front to the floor	d_F	500	---
Side	d_S	800	d_{Snon}
Side with glass	d_{S1}	440	---
Side – niche	d_{S2}	---	d_{S2non}
Side – location 45°	d_{S3}	---	---
Side radiation	d_L	0	---
From the floor	d_B	50	---
From the ceiling	d_C	500	---
Type of material and thickness of any protective insulation material(s)		SILCA 250 – 40 mm	---

Hygiene, health and environmental protection

		At nominal heat output	At part load heat output
Emissions carbon monoxide	CO 13 % O ₂	1182	---
Emissions oxides of nitrogen	NO _x 13 % O ₂	83	---
Emissions organic carbon gas	OGC 13 % O ₂	42	---
Emissions particulate matter	PM 13 % O ₂	38	---

Safety and accessibility in use

Flue gas outlet temperature	T_{snom}	268	T_{spart}
Minimum flue draught	p_{nom}	12	p_{part}
Dry flue gas mass flow rate	$\Phi_{f,g nom}$	6,0	$\Phi_{f,g part}$

Saving energy and heat

		At nominal heat output	At part load heat output
Room thermal heating output	P_{nom}	7,8	P_{part}
Water thermal heating output	P_{Wnom}	NPD	P_{Wpart}
Efficiency	η_{nom}	82	η_{part}
Seasonal space heating energy efficiency	η_s	72	---
Energy Efficiency Index	EEI	109	---
Energy efficiency classification – class		A+	---
Electricity consumption	el_{max}	---	el_{min}
Electricity consumption in standby mode	el_{SB}	---	---

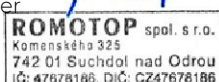
Sustainable use of natural resources

Environmental sustainability	NPD	---
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*) „NPD” (No Performance Determined), if no quality is stated

8. The characteristics of the above-mentioned product are in conformity with the declared characteristics. This declaration of performance is made under the sole responsibility of the above-mentioned manufacturer in accordance with Regulation (EU) No 305/2011.

The characteristics of the product(s) referred to in points 1 and 2 comply with the characteristics referred to in point 7.

Ing. Vladimír Krajíček
Product and innovative managerProcessed by and on behalf of the manufacturer:
Mgr. Ondřej Šuba
Technician