

EU DECLARATION OF PERFORMANCE

Regulation (EU) 305/2011 No. 0001 – CRP-2013/07/01

No.: 15

- | | | | |
|---------------------------------------|--|---|--|
| 1. Identification | OPAL (All variants) | | |
| 2. Type | Room heater burning solid fuel without hot water supply | | |
| 3. Intended use | Domestic room heater | | |
| 4. Producent | RAIS A/S
Industrivej 20, Vangen
DK-9900 Frederikshavn,
Denmark | Telefon
Telefax
Webmail
Homepage | +45 98 47 90 33
+45 98 47 92 91
kundeservice@rais.dk
www.rais.com |
| 5. Authorised representative | - | | |
| 6. System of assessment (AVCP) | System 3 | | |
| 7. Approved Body | Danish Technological Institute - Identification no. 1235
Teknologiparken, Kongsvang Allé 29, DK-8000 Århus C, Denmark | | |
| Test reports | a. 300-ELAB-2324-EN | | |
| 8. Declared performance | Harmonized technical specification: | EN 16510-2-1:2022 | |

Essential characteristics			Performance
Fire safety			
Reaktion ved brand	A1		
Distance to combustible materials Minimum distances [mm] <i>For other installation or wall settings see installation guide</i>	d _R	From the back of the oven to the back wall	100 mm
	d _S	To side wall	350 mm
	d _C	From top of the appliance to the ceiling	400 mm
	d _P	Front/front of oven	900 mm
	d _{B'}	From bottom edge of door to floor	210 mm
Risk of burning fuel falling out	Pass		
OGC (13 % O ₂)	≤ 120	mg/Nm ³	
CO-emission of combustion products (13 % O ₂)	≤ 0,12	%	
	≤ 1500	mg/Nm ³	
NO _x (13 % O ₂)	≤ 200	mg/Nm ³	
Dust (13 % O ₂)	≤ 40	mg/Nm ³	
Surface temperature	Pass		
Electrical safety	NPD		
Cleanability	Pass		
Flue gas temperature at nominal heat output	T _S	328	°C
Mechanical resistance (to carry a chimney/flue)	m _{chim}	20	kg
Minimum flue draught	p	12	Pa
Flue gas mass flow	φ _{f,g}	5.2	g/s
Chimney designation	T _{class}	T400 G	
Thermal output			
Nominal heat output	P	5.8	kW
Room heating output	P _{SH}	5.8	kW
Energy efficiency	η	≥ 75	%
Seasonal efficiency	η _s	≥ 65	%
Energy efficiency index	EEI	106	Class A
Environmental sustainability	ESI	NPD	

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:

John Engell Nielsen, R&D / Quality Manager

Place FREDERIKSHAVN, DENMARK

Date 21-08-2025


 Signature