

DECLARATION OF ECODESIGN REQUIREMENTS FULFILLMENT

PKA 250L 45x33

Prefabricated Accumulative Fireplace (PKA) for hardwood

PN-EN 15250:2009

Intended use of product: Slow heat release space heater for periodic loading and closed combustion chamber

Manufacturer:

CEBUD s.c. María i Jacek Ręka

Balicka 320, 30-198 Kraków

tel./fax.: 12 637 36 23, 12 637 92 88

Prefabricated Accumulative Fireplace (PKA) for hardwood **PKA 250L 45x33** fulfills the ecodesign requirements determined with 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 requirements for solid fuel local space heaters.

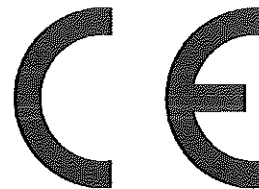
	Parameter - measured during nominal output test - pellet loading					
	Useful efficiency, at nominal heat output	Seasonal space heating energy efficiency'	Emissions from local space heater at nominal heat output			
			Particulate matter	Organic gaseous compounds	Carbon monoxide CO	Nitrogen oxides NO _x
Symbol	η_n	η_s	PM	OGC	E _{co}	ENO _x
Unit	%	%	[mg/Nm ³]*	[mg/Nm ³]*	[mg/Nm ³]*	[mg/Nm ³]*
Value	82,5	72,5	25	108	1007	149
ECODESIGN REQUIREMENTS		≥ 65	≤ 40	≤ 120	≤ 1500	≤ 200

*Value calculated for flue gases at oxygen content 13% O₂

The statement was prepared on the basis of the results of laboratory tests in notified Institute No. 1450 given in the report No. 3884 B2 24 from 26.03.2024

Kraków, 10/04/2024

Cebud s.c.
María i Jacek Ręka
30-198 Kraków, ul. Balicka 320
NIP 677-19-91-83P



THE DECLARATION OF PERFORMANCE

No. 02-C-PKA250L 45x33

In accordance with Regulation (EU) 305/2011 of the European Parliament and
of the Council

1. Unique product identification code:

PKA 250L 45x33 Prefabricated Accumulative Fireplace (PKA) for hardwood

2. Application: Slow heat residential space heater for heating buildings

3. Producer:

Cebud s.c. Maria i Jacek Ręka, ul. Balicka 320, 30-198 Kraków

4. Representative:

.....

5. System for Assessment and Verification of Constancy of Performance:

System 3

6. Harmonized technical specification:

PN-EN 15250:2009, Commission Regulation (EU) 2015/1185

Notified laboratory:

Oil and Gas Institute - National Research Institute, ul. Lubicz 25a, 31-503 Kraków, POLAND

Identification number of the notified body: No. 1450

Initial tests report No. 3884 A2 24; No. 3884 B2 24 confirming compliance with the
requirements of the standard PN-EN 15250:2009

7. Declared performance properties:

PKA 250L 45x33

Essential characteristics	Performance properties		Harmonized technical Specification		
Values measured in accumulation mode with periodic feeding of pellets					
Weight of the complete device / Weight of storage modules	kg	580	PN-EN 15250:2009, Commission Regulation (EU) 2015/1185		
Nominal thermal output of the device	kW	22,2			
Wood loading weight	kg	4,5			
Average consumption per hour	kg/h	6			
Useful heating output in a 12-hour cycle	kW/12h	1,39			
Efficiency	%	82,5			
Flue gas mass flow	g/s	23,1			
Chimney draft required	Pa	12			
Temp. exhaust gases at the device outlet at nominal output	°C	197,1			
Minimum air inlet diameter \varnothing	mm	150			
The total amount of heat accumulated by the heater	kJ	59 940			
Heating period	h	13,35			
Distances from flammable materials:					
Heating walls	cm	100			
Firebox windows	cm	100			
Operating tools (maximum temperature increases)					
Door handle*	K	28,9			
Combustion regulator handles (metal)	K	21,1			
Emission:					
	CO	mg/Nm ³ / 13% O ₂	1007	%	0,0810
	NO _x (PN-EN 16510-1:2018-08)	mg/Nm ³ / 13% O ₂	149		
	OGC (PN-EN 16510-1:2018-08)	mg/Nm ³ / 13% O ₂	108		
	PM dust (PN-EN 16510-1:2018-08)	mg/Nm ³ / 13% O ₂	25		
The device meets the PN-EN 15544:2009 standard and emission requirements: European Commission Ecodesign (Commission Regulation (EU) 2015/1185); BImSchV (Stuff 2); 15a BVG (2015); LRV					

* The manufacturer provides tools to ensure safe touching of operating devices

8. The performance properties of the product are consistent with the set of values declared in point 7. This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011 under the sole responsibility of the manufacturer identified in point 3

Signed on behalf of the manufacturer:

Jacek Ręka

Kraków, 10/04/2024

Cebud s.c.
 Maria i Jacek Ręka
 30-198 Kraków, ul. Balińska 370
 NIP 677-19-91-899

