

barbas.

EU-declaration of conformity

This EC declaration of conformity applies to the product described below and describes the conformity with the following directives:

2009/125/EC Directive for the setting of eco-design requirements for energy-related products (eco-design directive)

Relevant Regulation: (EU) 2015/1185

Declaration of Performance

No. 1.818.081-6 - CPR-2013/07/01

Unique identification code of the product type:	BOX 20 45
Intended use:	Space heating in residential buildings
Manufacturer:	Barbas Bellfires BV; Hallenstraat 17; 5531 AB Bladel; The Netherlands
System of AVCP:	3
Harmonised technical specifications:	EN 16510-2-1:2022
Notified body:	No. 1639

Essential characteristics

Mechanical resistance and stability			
	Load bearing capacity	120 kg	
Safety in case of fire - Protection of combustible materials		Minimum distance to combustible materials	
	Bottom (d _B):	3 cm	
	Floor in front (d _F):	50 cm	
	Ceiling (d _C):	75 cm	
	Rear (d _R):	30 cm	
	Side (d _S):	30 cm	
	Side radiation area (d _L):	40 cm	
	Front (d _P):	120 cm	
Hygiene, health and the environment		<u>At nominal heat output</u>	
	Carbon monoxide emission (CO)	1171 mg/m3	
	Nitrogen oxides emission (NO _x)	104 mg/m3	
	Emission of organic gaseous carbon (OGC)	110 mg/m3	
	Particulate matter emission (PM)	20 mg/m3	
Safety and accessibility in use		Data for installation to a chimney	
		<u>At nominal heat output</u>	
	Flue gas outlet temperature	362 °C	
	Minimum flue draught	12 Pa	
	Flue gas mass flow	6.3 g/s	
	Fire safety of installation to the chimney	T400 G	
Energy economy and heat retention		Appliance's thermal heat output and energy efficiency	
		<u>At nominal heat output</u>	
	Space heat output	6 kW	
	Efficiency	75.8 %	
	Seasonal space heating efficiency	65.8 %	Space heating efficiency
	Energy efficiency index (EEI)	100	
	Energy efficiency class	A	
		<u>At nominal heat output</u>	
	Electric power consumption	NPD	NPD
Sustainable use of natural resources		<u>At part load heat output</u>	<u>Standby mode</u>
	Environmental sustainability	NPD	NPD

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Danny Baijens, CEO



Bladel, The Netherlands

12 June 2026