

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. 1.812.081-7 - CPR-2013/07/01

Unique identification code of the product type:	BOX 20 55
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. 2013

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):	35 cm		
Side (d _S):	45 cm		
Side radiation area (d _L):	90 cm		
Front (d _P):	130 cm		
Rear with installed heat shield (d _R)	5 cm		
Hygiene, health and the environment		At nominal heat ouput	At part load heat output
Carbon monoxide emission (CO)	796 mg/m3	1483 mg/m3	
Nitrogen oxides emission (NO _x)	54 mg/m3	42 mg/m3	
Emission of organic gaseous carbon (OGC)	105 mg/m3	223 mg/m3	
Particulate matter emission (PM)	27 mg/m3	67 mg/m3	
Safety and accessibility in use		Data for installation to a chimney	
	At nominal heat output	At part load heat output	
Flue gas outlet temperature	302 °C	257 °C	
Minimum flue draught	12 Pa	11 Pa	
Flue gas mass flow	8.8 g/s	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	
	At nominal heat output	At part load heat output	
Space heat output	8.7 kW	4.9 kW	
Efficiency	80.0 %	77.9 %	
Seasonal space heating efficiency	70.0 %	Space heating efficiency	
Energy efficiency index (EEI)	106		
Energy efficiency class	A		
	At nominal heat output	At part load heat output	Standby
Electric power consumption	NPD	NPD	NP
Sustainable use of natural resources			
Environmental sustainability	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
20 February 2026