

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. 2.204.080-0 - CPR-2013/07/01

Unique identification code of the product type:	BOX 40-40-85
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):	40 cm	
	Ceiling (d _C):	50 cm	
	Rear (d _R):	30 cm	
	Side (d _S):	25 cm	
	Side radiation area (d _L):	50 cm	
	Front (d _P):	120 cm	
	Rear with installed heat shield (d _R)	5 cm	
Hygiene, health and the environment		<u>At nominal heat output</u>	<u>At part load heat output</u>
	Carbon monoxide emission (CO)	680 mg/m ³	1370 mg/m ³
	Nitrogen oxides emission (NO _x)	108 mg/m ³	91 mg/m ³
	Emission of organic gaseous carbon (OGC)	42 mg/m ³	118 mg/m ³
	Particulate matter emission (PM)	28 mg/m ³	45 mg/m ³
Safety and accessibility in use		Data for installation to a chimney	
		<u>At nominal heat output</u>	<u>At part load heat output</u>
	Flue gas outlet temperature	330 °C	276 °C
	Minimum flue draught	12 Pa	7.5 Pa
	Flue gas mass flow	4.5 g/s	3.8 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>	<u>At part load heat output</u>
	Space heat output	5.3 kW	3.7 kW
	Efficiency	80.1 %	78.7 %
	Seasonal space heating efficiency	70.1 %	
	Energy efficiency index (EEI)	106	
	Energy efficiency class	A	
		<u>At nominal heat output</u>	<u>At part load heat output</u>
	Electric power consumption	NPD	NPD
Sustainable use of natural resources		Standby mode	
	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
12 February 2026