

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. 3.129.003-5 - CPR-2013/07/01

Unique identification code of the product type:	Evolux 100-45		
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 16510-2-2:2022		
Notified body:	No. 2013		
Essential characteristics			
Mechanical resistance and stability			
Load bearing capacity	N/A		
Safety in case of fire - Protection of combustible materials		Minimum distance to combustible materials	
Bottom (d _B):	0 cm		
Floor in front (d _F):	60 cm		
Ceiling (d _C):	0 cm		
Rear (d _R):	0 cm		
Side (d _S):	0 cm		
Side radiation area (d _L):	150 cm		
Front (d _P):	180 cm		
Insulation material:	10 cm plates with λ ≤ 0.1 W/m.K		
Hygiene, health and the environment		At nominal heat ouput	At part load heat output
Carbon monoxide emission (CO)	1175 mg/m3	3412 mg/m3	
Nitrogen oxides emission (NO _x)	53 mg/m3	19 mg/m3	
Emission of organic gaseous carbon (OGC)	71 mg/m3	496 mg/m3	
Particulate matter emission (PM)	24 mg/m3	93 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	355 °C	282 °C	
Minimum flue draught	12 Pa	6.5 Pa	
Flue gas mass flow	19.1 g/s	15.4 g/s	
Fire safety of installation to the chimney	T400 G minimum		
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	16 kW	7.2 kW	
Efficiency	76.0 %	67.7 %	
		Space heating efficiency	
Seasonal space heating efficiency	65.5 %		
Energy efficiency index (EEI)	100		
Energy efficiency class	A		
		At nominal heat output	At part load heat output
Electric power consumption	0.064 kW	0.024 kW	Standby mode 0 kW
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
01 December 2025