

# 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. 1.816.003-6 - CPR-2013/07/01

|                                                        |                                                                       |
|--------------------------------------------------------|-----------------------------------------------------------------------|
| <b>Unique identification code of the product type:</b> | Unilux-7 70                                                           |
| <b>Intended use:</b>                                   | Space heating in residential buildings                                |
| <b>Manufacturer:</b>                                   | Barbas Bellfires BV; Hallenstraat 17; 5531 AB Bladel; The Netherlands |
| <b>System of AVCP:</b>                                 | 3                                                                     |
| <b>Harmonised technical specifications:</b>            | EN 16510-2-2:2022                                                     |
| <b>Notified body:</b>                                  | No. 1639                                                              |

### Essential characteristics

|                                                                     |                                             |                                                              |                                           |
|---------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------|-------------------------------------------|
| <b>Mechanical resistance and stability</b>                          |                                             |                                                              |                                           |
|                                                                     | Load bearing capacity                       | N/A                                                          |                                           |
| <b>Safety in case of fire - Protection of combustible materials</b> |                                             | <b>Minimum distance to combustible materials</b>             |                                           |
|                                                                     | Bottom ( $d_B$ ):                           | 0 cm                                                         |                                           |
|                                                                     | Floor in front ( $d_F$ ):                   | 50 cm                                                        |                                           |
|                                                                     | Ceiling ( $d_C$ ):                          | 0 cm                                                         |                                           |
|                                                                     | Rear ( $d_R$ ):                             | 0 cm                                                         |                                           |
|                                                                     | Side ( $d_S$ ):                             | 0 cm                                                         |                                           |
|                                                                     | Side radiation area ( $d_L$ ):              | 50 cm                                                        |                                           |
|                                                                     | Front ( $d_P$ ):                            | 150 cm                                                       |                                           |
|                                                                     | Insulation material:                        | 10 cm plates with $\lambda \leq 0.1$ W/m.K                   |                                           |
| <b>Hygiene, health and the environment</b>                          |                                             | <u>At nominal heat output</u>                                |                                           |
|                                                                     | Carbon monoxide emission (CO)               | 865 mg/m <sup>3</sup>                                        |                                           |
|                                                                     | Nitrogen oxides emission (NO <sub>x</sub> ) | 128 mg/m <sup>3</sup>                                        |                                           |
|                                                                     | Emission of organic gaseous carbon (OGC)    | 57 mg/m <sup>3</sup>                                         |                                           |
|                                                                     | Particulate matter emission (PM)            | 25 mg/m <sup>3</sup>                                         |                                           |
| <b>Safety and accessibility in use</b>                              |                                             | <u>At nominal heat output</u>                                | <b>Data for installation to a chimney</b> |
|                                                                     | Flue gas outlet temperature                 | 383 °C                                                       |                                           |
|                                                                     | Minimum flue draught                        | 12 Pa                                                        |                                           |
|                                                                     | Flue gas mass flow                          | 9.9 g/s                                                      |                                           |
|                                                                     | Fire safety of installation to the chimney  | T400 G                                                       |                                           |
| <b>Energy economy and heat retention</b>                            |                                             | <b>Appliance's thermal heat output and energy efficiency</b> |                                           |
|                                                                     |                                             | <u>At nominal heat output</u>                                |                                           |
|                                                                     | Space heat output                           | 10 kW                                                        |                                           |
|                                                                     | Efficiency                                  | 75.6 %                                                       |                                           |
|                                                                     | Seasonal space heating efficiency           | 65.6 %                                                       | <b>Space heating efficiency</b>           |
|                                                                     | Energy efficiency index (EEI)               | 100                                                          |                                           |
|                                                                     | Energy efficiency class                     | A                                                            |                                           |
|                                                                     |                                             | <u>At nominal heat output</u>                                | <u>At part load heat output</u>           |
|                                                                     | Electric power consumption                  | NPD                                                          | NPD                                       |
| <b>Sustainable use of natural resources</b>                         |                                             | <u>Standby mode</u>                                          |                                           |
|                                                                     | 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  
10 March 2026