

# 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. 1.231.081-1 - CPR-2013/07/01

|                                                        |                                                                       |
|--------------------------------------------------------|-----------------------------------------------------------------------|
| <b>Unique identification code of the product type:</b> | Evolux 50-40                                                          |
| <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 <sub>B</sub> ):                                           |  | 0 cm                                                         |                     |
| Floor in front (d <sub>F</sub> ):                                   |  | 80 cm                                                        |                     |
| Ceiling (d <sub>C</sub> ):                                          |  | 0 cm                                                         |                     |
| Rear (d <sub>R</sub> ):                                             |  | 0 cm                                                         |                     |
| Side (d <sub>S</sub> ):                                             |  | 0 cm                                                         |                     |
| Side radiation area (d <sub>L</sub> ):                              |  | 80 cm                                                        |                     |
| Front (d <sub>P</sub> ):                                            |  | 140 cm                                                       |                     |
| Insulation material:                                                |  | 10 cm plates with $\lambda \leq 0.1$ W/m.K                   |                     |
| <b>Hygiene, health and the environment</b>                          |  | <b>At nominal heat output</b>                                |                     |
| Carbon monoxide emission (CO)                                       |  | 1250 mg/m <sup>3</sup>                                       |                     |
| Nitrogen oxides emission (NO <sub>x</sub> )                         |  | 99 mg/m <sup>3</sup>                                         |                     |
| Emission of organic gaseous carbon (OGC)                            |  | 71 mg/m <sup>3</sup>                                         |                     |
| Particulate matter emission (PM)                                    |  | 18 mg/m <sup>3</sup>                                         |                     |
| <b>Safety and accessibility in use</b>                              |  | <b>Data for installation to a chimney</b>                    |                     |
|                                                                     |  | <b>At nominal heat output</b>                                |                     |
| Flue gas outlet temperature                                         |  | 320 °C                                                       |                     |
| Minimum flue draught                                                |  | 12 Pa                                                        |                     |
| Flue gas mass flow                                                  |  | 9.4 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> |                     |
|                                                                     |  | <b>At nominal heat output</b>                                |                     |
| Space heat output                                                   |  | 8.3 kW                                                       |                     |
| Efficiency                                                          |  | 76.3 %                                                       |                     |
| Seasonal space heating efficiency                                   |  | 65.3 %                                                       |                     |
| Energy efficiency index (EEI)                                       |  | 100                                                          |                     |
| Energy efficiency class                                             |  | A                                                            |                     |
|                                                                     |  | <b>Space heating efficiency</b>                              |                     |
|                                                                     |  | <b>At nominal heat output</b>                                |                     |
| Electric power consumption                                          |  | 0.064 kW                                                     | 0.024 kW            |
|                                                                     |  |                                                              | <b>Standby mode</b> |
|                                                                     |  |                                                              | 0 kW                |
| <b>Sustainable use of natural resources</b>                         |  |                                                              |                     |
| 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

24 April 2026