

# 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. 2.109.080-0 - CPR-2013/07/01

|                                                        |                                                                       |
|--------------------------------------------------------|-----------------------------------------------------------------------|
| <b>Unique identification code of the product type:</b> | BOX 35-52-65                                                          |
| <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 16510-2-1:2022                                                     |
| <b>Notified body:</b>                                  | No. 1639                                                              |

### Essential characteristics

|                                                                     |                                                              |  |                                 |        |                |  |
|---------------------------------------------------------------------|--------------------------------------------------------------|--|---------------------------------|--------|----------------|--|
| <b>Mechanical resistance and stability</b>                          | Load bearing capacity                                        |  |                                 | 120 kg |                |  |
| <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> ):                            |  | 20 cm                           |        |                |  |
|                                                                     | Ceiling (d <sub>C</sub> ):                                   |  | 75 cm                           |        |                |  |
|                                                                     | Rear (d <sub>R</sub> ):                                      |  | 40 cm                           |        |                |  |
|                                                                     | Side (d <sub>S</sub> ):                                      |  | 30 cm                           |        |                |  |
|                                                                     | Side radiation area (d <sub>L</sub> ):                       |  | 50 cm                           |        |                |  |
|                                                                     | Front (d <sub>P</sub> ):                                     |  | 120 cm                          |        |                |  |
|                                                                     | Rear with installed heat shield (d <sub>R</sub> )            |  | 5 cm                            |        |                |  |
| <b>Hygiene, health and the environment</b>                          | <u>At nominal heat ouput</u>                                 |  | <u>At part load heat output</u> |        |                |  |
| Carbon monoxide emission (CO)                                       | 608 mg/m3                                                    |  | 1447 mg/m3                      |        |                |  |
| Nitrogen oxides emission (NO <sub>x</sub> )                         | 91 mg/m3                                                     |  | 78 mg/m3                        |        |                |  |
| Emission of organic gaseous carbon (OGC)                            | 36 mg/m3                                                     |  | 88 mg/m3                        |        |                |  |
| Particulate matter emission (PM)                                    | 18 mg/m3                                                     |  | 13 mg/m3                        |        |                |  |
| <b>Safety and accessibility in use</b>                              | <b>Data for installation to a chimney</b>                    |  |                                 |        |                |  |
|                                                                     | <u>At nominal heat output</u>                                |  | <u>At part load heat output</u> |        |                |  |
| Flue gas outlet temperature                                         | 368 °C                                                       |  | 314 °C                          |        |                |  |
| Minimum flue draught                                                | 12 Pa                                                        |  | 7 Pa                            |        |                |  |
| Flue gas mass flow                                                  | 7.3 g/s                                                      |  | 5.1 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>                                |  | <u>At part load heat output</u> |        |                |  |
| Space heat output                                                   | 8 kW                                                         |  | 5 kW                            |        |                |  |
| Efficiency                                                          | 77.6 %                                                       |  | 78.4 %                          |        |                |  |
|                                                                     | <b>Space heating efficiency</b>                              |  |                                 |        |                |  |
| Seasonal space heating efficiency                                   | 67.6 %                                                       |  |                                 |        |                |  |
| Energy efficiency index (EEI)                                       | 103                                                          |  |                                 |        |                |  |
| Energy efficiency class                                             | A                                                            |  |                                 |        |                |  |
|                                                                     | <u>At nominal heat output</u>                                |  | <u>At part load heat output</u> |        | <u>Standby</u> |  |
| Electric power consumption                                          | NPD                                                          |  | NPD                             |        | NP             |  |
| <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

13 May 2026