

# 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. 2.305.082-0 - CPR-2013/07/01

|                                                        |                                                                       |
|--------------------------------------------------------|-----------------------------------------------------------------------|
| <b>Unique identification code of the product type:</b> | BOX 35 35 70 with support frame                                       |
| <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> ):                                           | 3 cm                                                         |                                                  |                     |
| Floor in front (d <sub>F</sub> ):                                   | 20-55                                                        |                                                  |                     |
| Ceiling (d <sub>C</sub> ):                                          | 50 cm                                                        |                                                  |                     |
| Rear (d <sub>R</sub> ):                                             | non flammable wall                                           |                                                  |                     |
| Side (d <sub>S</sub> ):                                             | 25 cm                                                        |                                                  |                     |
| Side radiation area (d <sub>L</sub> ):                              | 40 cm                                                        |                                                  |                     |
| Front (d <sub>P</sub> ):                                            | 100 cm                                                       |                                                  |                     |
| Rear with installed heat shield (d <sub>R</sub> )                   | 5 cm                                                         |                                                  |                     |
| <b>Hygiene, health and the environment</b>                          | <u>At nominal heat output</u>                                | <u>At part load heat output</u>                  |                     |
| Carbon monoxide emission (CO)                                       | 1040 mg/m3                                                   | 1949 mg/m3                                       |                     |
| Nitrogen oxides emission (NO <sub>x</sub> )                         | 102 mg/m3                                                    | 117 mg/m3                                        |                     |
| Emission of organic gaseous carbon (OGC)                            | 59 mg/m3                                                     | 132 mg/m3                                        |                     |
| Particulate matter emission (PM)                                    | 33 mg/m3                                                     | 30 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                                         | 312 °C                                                       | 259 °C                                           |                     |
| Minimum flue draught                                                | 12 Pa                                                        | 8 Pa                                             |                     |
| Flue gas mass flow                                                  | 4.3 g/s                                                      | 3.7 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                                                   | 3.8 kW                                                       | 2.8 kW                                           |                     |
| Efficiency                                                          | 76.9 %                                                       | 77.6 %                                           |                     |
| Seasonal space heating efficiency                                   | 66.9 %                                                       | <b>Space heating efficiency</b>                  |                     |
| Energy efficiency index (EEI)                                       | 102                                                          |                                                  |                     |
| Energy efficiency class                                             | A                                                            |                                                  |                     |
|                                                                     | <u>At nominal heat output</u>                                | <u>At part load heat output</u>                  | <u>Standby mode</u> |
| Electric power consumption                                          | NPD                                                          | NPD                                              | NPD                 |
| <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  
11 February 2026