

## Product Data Sheet

# SIRIUS 3.1

|   |  |
|---|--|
| <b>Application:</b>                       | Space heater for burning solid fuel without hot water supply (EN 13240)  |
| <b>General description:</b>               | Schiedel SIRIUS is a room sealed stove for intermittent burning which has been specially designed for the combustion of firewood.  |
| <b>Installation:</b>                      | Inside a building  |
| <b>Fuel:</b>                              | Solid fuel (split logs)  |
| <b>Operating temperature:</b>             | 311 °C   |
| <b>Mode of operation:</b>                 | Negative pressure (minimum flue draught 12 Pa)<br>Room sealed fireplace  |
| <b>Frame material:</b>                    | Black painted steel  |
| <b>Range of accessories:</b>              | Connections/covers for room sealed and non room sealed operation   |
| <b>Compatible chimney systems:</b>        | All systems with at least 150 mm diameter  |
| <b>Nominal heat output:</b>               | 6 kW   |
| <b>Energy efficiency / class / index:</b> | 82 % / A+ / 108,9  |
| <b>Emission:</b>                          | 348 mg/m <sup>3</sup> CO (at Vol 13% O <sub>2</sub> )<br>19 mg/m <sup>3</sup> Dust (at Vol 13% O <sub>2</sub> )<br>16 mg/m <sup>3</sup> OGC (at Vol 13% O <sub>2</sub> )<br>130 mg/m <sup>3</sup> NOx (at Vol 13% O <sub>2</sub> ) |

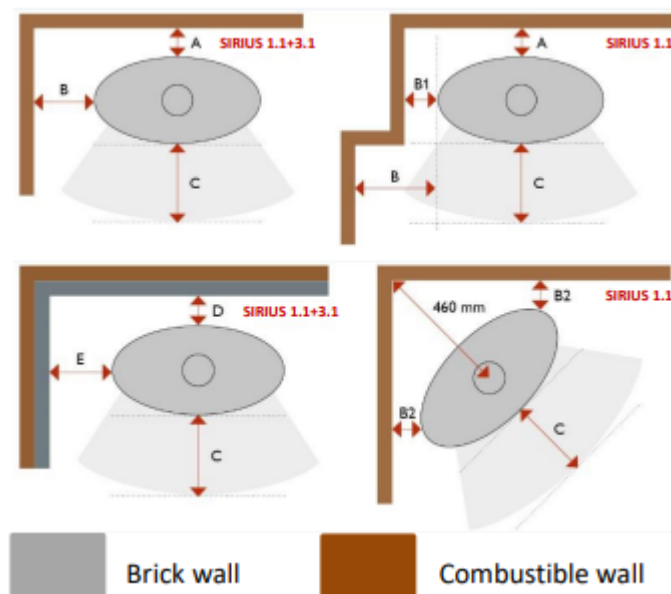


### Specifications:

| Frame (steel combustion chamber):             |                     |
|---|---------------------|
| <b>External dimensions (frame) W x H x D:</b> | 522 x 1208 x 382 mm |
| <b>Combustion chamber W x H x D :</b>         | 340 x 390 x 250 mm  |
| <b>Glass dimensions W x H :</b>               | 320 x 395 mm        |
| <b>Weight:</b>                                | 130 kg              |

**Distance to combustible materials:**

| SIRIUS 1.1 minimum distances (EN 13240): |                                 | mm  |
|--|---------------------------------|-----|
| A  | w. flue tube, single walled     | 100 |
| A  | w. double wall concentr. system | 60  |
| B  | Always                          | 350 |
| B1                                       | Always                          | -   |
| B2                                       | Always                          | -   |
| C  | Always                          | 800 |
| D  | w. flue tube, single walled     | 50  |
| E  | w. flue tube, single walled     | 200 |



**Floor protection:**

If the floor is made from flammable material (floors made from wood, synthetic materials, carpets, ...), a spark arrestor plate made from toughened glass, or any other non-flammable material, should be used. This base must have the following minimum dimensions, with the opening of the combustion chamber as the starting point:

| SIRIUS 1 (EN 13240): | mm  |
|----------------------|-----|
| Floor Front:         | 500 |
| Floor Sides:         | 300 |

**Installation examples:**

