CADEL

## DECLARATION OF PERFORMANCE according to Regulation (EU) No 305/2011

**Nr. DoP:0175-05**

| | |
|---|---|
| Models | CRISTAL 9 K1 |
| Intended use of the product: | |
| Manufacturer | Cadel srl - Via Martiri della Libertà, 74 - 31025 S. Lucia di Piave (TV) - Italia |
| Mark | CADEL |
| AVCP system | System 3 |
| Notified body | NB 0051 |
| Test report number | CS26-0136975-01 |
| Harmonised technical specification | EN 16510-1:2022 / EN 16510-2-6:2022 |

## ESSENTIAL CHARACTERISTICS

| | | | |
|---|---|---|---|
| **Stability and mechanical resistance** | Load bearing capacity | 20 kg | |
| **Fire safety - protection of combustible materials** | Minimum distance to combustible materials - bottom (dB) | 0 mm | |
| | Minimum distance to combustible materials - front floor (dF) | 300 mm | |
| | Minimum distance to combustible materials - ceiling (dC) | 750 mm | |
| | Minimum distance to combustible materials - rear (dR) | 150 mm | |
| | Minimum distance to combustible materials - side (dS) | 200 mm | |
| | Minimum distance to combustible materials - lateral radiation (dL) | 0 mm | |
| | Minimum distance to combustible materials - frontal radiation (dP) | 500 mm | |
| | Thickness of protective insulating material | / | |
| | Thermal conductivity of protective insulating material (λd) | / | |
| | Flue temperature class | T200G | |
| **Performance - Emissions** | | Nominal power | Reduced power |
| | Carbon monoxide emissions (CO at 13% O2) | 159 mg/Nm³ | 230 mg/Nm³ |
| | Emission of nitrogen oxides (NOX at 13% O2) | 100 mg/Nm³ | 130 mg/Nm³ |
| | Emission of organic gaseous compounds (OGC at 13% O2) | 1 mg/Nm³ | 3 mg/Nm³ |
| | Particulate matter emissions (PM at 13% O2) | 7 mg/Nm³ | 20 mg/Nm³ |
| **Performance - Power and efficiency** | Heating power to the environment | 8,5 kW | 3,2 kW |
| | Heating power to the water | / | / |
| | Efficiency - Useful efficiency | 90 % | 90 % |
| **Safe and accessible use - chimney installation data** | Flue gas outlet temperature | 200 °C | 121 °C |
| | Flue gas mass flow | 5,4 g/sec | 3,6 g/sec |
| | Draught | 12 Pa | 10 Pa |
| | Draught for chimney sizing calculation (EN13384-1) | 2 Pa | |
| **Energy efficiency index** | Seasonal energy efficiency | 86 ηs [%] | |
| | Energy efficiency index | 127 | |
| | Energy efficiency class (A++ / G scale) | A+ | |
| | Electrical consumption at nominal heat output | 112 W | |
| | Electrical consumption at partial load heat output | 38 W | |
| | Electrical consumption in standby mode | 2,0 W | |
| **Sustainable use of natural resources** | Environmental sustainability information | 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 responsibility of the manufacturer identified above.

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Santa Lucia di Piave, 06/07/26

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