

|                                    |                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------|
| Models                             | CRISTAL 9 AIRTECH T1                                                              |
| Intended use of the product:       | Mechanically by wood pellets fed roomheater                                       |
| Manufacturer                       | Cadel srl - Via Martiri della Libertà, 74 - 31025 S. Lucia di Piave (TV) - Italia |
| Mark                               | CADEL                                                                             |
| AVCP system                        | System 3                                                                          |
| Notified body                      | NB 1880                                                                           |
| Test report number                 | 1880-CPR-043-24                                                                   |
| Harmonised technical specification | EN 14785:2006                                                                     |

### ESSENTIAL CHARACTERISTICS

|                                                            |                                                                        |                        |                        |
|------------------------------------------------------------|------------------------------------------------------------------------|------------------------|------------------------|
| <b>Stability and mechanical resistance</b>                 | Load bearing capacity                                                  | 20 kg                  |                        |
| <b>Fire safety - protection of combustible materials</b>   | 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 ( $\lambda_d$ ) | /                      |                        |
|                                                            | Flue temperature class                                                 | T200G                  |                        |
| <b>Performance - Emissions</b>                             | No                                                                     | Nominal power          | Potenza ridotta        |
|                                                            | Carbon monoxide emissions (CO at 13% O2)                               | 125 mg/Nm <sup>3</sup> | 163 mg/Nm <sup>3</sup> |
|                                                            | Emission of nitrogen oxides (NOX at 13% O2)                            | 100 mg/Nm <sup>3</sup> | 110 mg/Nm <sup>3</sup> |
|                                                            | Emission of organic gaseous compounds (OGC at 13% O2)                  | 1 mg/Nm <sup>3</sup>   | 1 mg/Nm <sup>3</sup>   |
|                                                            | Particulate matter emissions (PM at 13% O2)                            | 15 mg/Nm <sup>3</sup>  | 15 mg/Nm <sup>3</sup>  |
| <b>Performance - Power and efficiency</b>                  | Heating power to the environment                                       | 8.5 kW                 | 3.2 kW                 |
|                                                            | Heating power to the water                                             | /                      | /                      |
|                                                            | Efficiency - Useful efficiency                                         | 90 %                   | 90 %                   |
| <b>Safe and accessible use - chimney installation data</b> | Flue gas outlet temperature                                            | 216 °C                 | 121 °C                 |
|                                                            | Minimum flue draught                                                   | 11 Pa                  | 11 Pa                  |
|                                                            | Flue gas mass flow                                                     | 5.3 g/sec              | 3.6 g/sec              |
| <b>Energy efficiency index</b>                             | Seasonal energy efficiency                                             | 87 $\eta_s$ [%]        |                        |
|                                                            | Energy efficiency index                                                | 127                    |                        |
|                                                            | Energy efficiency class (A++ / G scale)                                | A+                     |                        |
|                                                            | Electrical consumption at nominal heat output                          | 110 W                  |                        |
|                                                            | Electrical consumption at partial load heat output                     | 12 W                   |                        |
|                                                            | Electrical consumption in standby mode                                 | 2 W                    |                        |
| <b>Sustainable use of natural resources</b>                | 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.

Santa Lucia di Piave, 17/07/24

Dassie Roberto (R&D Manager)

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