

## INFORMATION REQUIREMENTS FOR SOLID FUEL LOCAL SPACE HEATERS ACCORDING TO COMMISSION REGULATIONS (EU) 2015/1185 - (EU) 2015/1186 (PRODUCT FICHE)

|                                    |                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------|
| Models                             | SPIRIT 5 UP T2                                                                    |
| 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 |
| Trade mark                         | CADEL                                                                             |
| AVCP system                        | System 3                                                                          |
| Notified body                      | NB 0051                                                                           |
| Test report number                 | CS25-0116840-01                                                                   |
| Harmonised technical specification | EN 16510-1:2022 / EN 16510-2-6:2022                                               |

### ESSENTIAL CHARACTERISTICS

|                                                                  |                                                                      |                    |                     |                        |                        |
|------------------------------------------------------------------|----------------------------------------------------------------------|--------------------|---------------------|------------------------|------------------------|
| <b>Fuel</b>                                                      | Log wood, moisture content $\leq 25\%$                               | No                 |                     |                        |                        |
|                                                                  | Compressed wood with moisture content $< 12\%$                       | Yes                |                     |                        |                        |
| <b>Type of heat output/room temperature control (select one)</b> | Single stage heat output, no room temperature control                | No                 |                     |                        |                        |
|                                                                  | Two or more manual stages, no room temperature control               | No                 |                     |                        |                        |
|                                                                  | With mechanic thermostat room temperature control                    | No                 |                     |                        |                        |
|                                                                  | With electronic room temperature control                             | No                 |                     |                        |                        |
|                                                                  | With electronic room temperature control plus day timer              | No                 |                     |                        |                        |
|                                                                  | With electronic room temperature control plus week timer             | Yes                |                     |                        |                        |
| <b>Other control options (multiple selections possible)</b>      | Room temperature control, with presence detection                    | No                 |                     |                        |                        |
|                                                                  | Room temperature control, with open window detection                 | No                 |                     |                        |                        |
|                                                                  | With distance control option                                         | Yes                |                     |                        |                        |
| <b>Performance - Emissions</b>                                   | No                                                                   | Symbol             |                     | Potenza nominale       | Potenza ridotta        |
|                                                                  | Carbon monoxide emissions (CO at 13% O <sub>2</sub> )                | CO <sub>nom</sub>  | CO <sub>part</sub>  | 125 mg/Nm <sup>3</sup> | 295 mg/Nm <sup>3</sup> |
|                                                                  | Emission of nitrogen oxides (NO <sub>x</sub> at 13% O <sub>2</sub> ) | NO <sub>xnom</sub> | NO <sub>xpart</sub> | 99 mg/Nm <sup>3</sup>  | 110 mg/Nm <sup>3</sup> |
|                                                                  | Emission of organic gaseous compounds (OGC at 13% O <sub>2</sub> )   | OGC <sub>nom</sub> | OGC <sub>part</sub> | 2 mg/Nm <sup>3</sup>   | 2 mg/Nm <sup>3</sup>   |
|                                                                  | Particulate matter emissions (PM at 13% O <sub>2</sub> )             | PM <sub>nom</sub>  | PM <sub>part</sub>  | 15 mg/Nm <sup>3</sup>  | 15 mg/Nm <sup>3</sup>  |
| <b>Performance - Power and efficiency</b>                        | Heating power to the environment                                     | P <sub>nom</sub>   | P <sub>part</sub>   | 5.1 kW                 | 2.5 kW                 |
|                                                                  | Heating power to the water                                           | P <sub>wnom</sub>  | P <sub>wpart</sub>  | /                      | /                      |
|                                                                  | Efficiency - Useful efficiency                                       | $\eta_{nom}$       | $\eta_{part}$       | 88 %                   | 90 %                   |
| <b>Safe and accessible use - chimney installation data</b>       | Flue gas outlet temperature                                          | T <sub>snom</sub>  | T <sub>spart</sub>  | 200 °C                 | 109 °C                 |
|                                                                  | Minimum flue draught                                                 | p <sub>nom</sub>   | p <sub>part</sub>   | 11 Pa                  | 9 Pa                   |
|                                                                  | Flue gas mass flow                                                   | $\phi_{f,g nom}$   | $\phi_{f,g part}$   | 4.3 g/sec              | 3 g/sec                |
| <b>Space heating efficiency</b>                                  | Seasonal energy efficiency                                           | $\eta_s$           | 83 $\eta_s$ [%]     |                        |                        |
|                                                                  | Energy efficiency index                                              | EEI                | 123                 |                        |                        |
|                                                                  | Energy efficiency class (A++ / G scale)                              | -                  | A+                  |                        |                        |
| <b>Auxiliary electricity consumption</b>                         | Electrical consumption at nominal heat output                        | e <sub>lmax</sub>  | 0.069 kW            |                        |                        |
|                                                                  | Electrical consumption at partial load heat output                   | e <sub>lmin</sub>  | 0.020 kW            |                        |                        |
|                                                                  | Electrical consumption in standby mode                               | e <sub>lSB</sub>   | 0.001 kW            |                        |                        |

Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product, and the national and local rules in force

**CADEL S.r.l.**  
Via Martiri della Libertà, 74  
31025 SANTA LUCIA DI PIAVE (TV)  
Tel. 0438 1520200 - Fax 0438.73343  
Partita IVA 03200210265  
R.E.A. TV 227665 - Reg. Soc. Trib. TV 189948

Santa Lucia di Piave, 18/06/25

Dassie Roberto (R&D Manager)