

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

|                                    |                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------|
| Models                             | TILE 3 PLUS                                                                       |
| 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                 | CS17-0012370-01                                                                   |
| Harmonised technical specification | EN 14785:2006                                                                     |

### ESSENTIAL CHARACTERISTICS

|                                                           |                                                                      |                    |                     |                        |                        |
|-----------------------------------------------------------|----------------------------------------------------------------------|--------------------|---------------------|------------------------|------------------------|
| Fuel                                                      | Log wood, moisture content $\leq 25\%$                               | No                 |                     |                        |                        |
|                                                           | Compressed wood with moisture content $< 12\%$                       | Yes                |                     |                        |                        |
| Type of heat output/room temperature control (select one) | 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                |                     |                        |                        |
| Other control options (multiple selections possible)      | Room temperature control, with presence detection                    | No                 |                     |                        |                        |
|                                                           | Room temperature control, with open window detection                 | No                 |                     |                        |                        |
|                                                           | With distance control option                                         | Yes                |                     |                        |                        |
| Performance - Emissions                                   | No                                                                   | Symbol             |                     | Nominal power          | Reduced power          |
|                                                           | Carbon monoxide emissions (CO at 13% O <sub>2</sub> )                | CO <sub>nom</sub>  | CO <sub>part</sub>  | 119 mg/Nm <sup>3</sup> | 174 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> | 104 mg/Nm <sup>3</sup> | 108 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> | 4 mg/Nm <sup>3</sup>   | 5 mg/Nm <sup>3</sup>   |
|                                                           | Particulate matter emissions (PM at 13% O <sub>2</sub> )             | PM <sub>nom</sub>  | PM <sub>part</sub>  | 17 mg/Nm <sup>3</sup>  | 10 mg/Nm <sup>3</sup>  |
| Performance - Power and efficiency                        | Heating power to the environment                                     | P <sub>nom</sub>   | P <sub>part</sub>   | 10 kW                  | 3 kW                   |
|                                                           | Heating power to the water                                           | P <sub>wnom</sub>  | P <sub>wpart</sub>  | /                      | /                      |
|                                                           | Efficiency - Useful efficiency                                       | $\eta_{nom}$       | $\eta_{part}$       | 91 %                   | 94 %                   |
| Safe and accessible use - chimney installation data       | Flue gas outlet temperature                                          | T <sub>snom</sub>  | T <sub>spart</sub>  | 200 °C                 | 110 °C                 |
|                                                           | Minimum flue draught                                                 | p <sub>nom</sub>   | p <sub>part</sub>   | 10 Pa                  | 9 Pa                   |
|                                                           | Flue gas mass flow                                                   | $\phi_{f,g nom}$   | $\phi_{f,g part}$   | 5.6 g/sec              | 2.5 g/sec              |
| Space heating efficiency                                  | Seasonal energy efficiency                                           | $\eta_s$           | 87 $\eta_s$ [%]     |                        |                        |
|                                                           | Energy efficiency index                                              | EEI                | 128                 |                        |                        |
|                                                           | Energy efficiency class (A++ / G scale)                              | -                  | A+                  |                        |                        |
| Auxiliary electricity consumption                         | Electrical consumption at nominal heat output                        | e <sub>lmax</sub>  | 0.085 kW            |                        |                        |
|                                                           | Electrical consumption at partial load heat output                   | e <sub>lmin</sub>  | 0.017 kW            |                        |                        |
|                                                           | Electrical consumption in standby mode                               | e <sub>lSB</sub>   | 0.002 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

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Santa Lucia di Piave, 18/07/17

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