

# USER MANUAL

Wood Stove



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**SPIN wood - EOS wood**

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## 1 MANUAL SIMBOLOGY

|                                                                                    |                                                                                                                                                                                      |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <b>USER</b>                                                                                                                                                                          |
|   | <b>PLEASE READ AND FOLLOW THE INSTRUCTIONS FOR USE CAREFULLY</b>                                                                                                                     |
|   | <b>AUTHORISED TECHNICIAN</b><br><b>(ONLY to interpret or the Stove-manufacturer or the Authorized Technician of Technical Assistance Service approved by the Stove-manufacturer)</b> |
|   | <b>SPECIALIZED STOVE-REPAIRER</b>                                                                                                                                                    |
|   | <b>CAUTION:</b><br><b>READ CAREFULLY THE NOTE</b>                                                                                                                                    |
|  | <b>CAUTION:</b><br><b>DANGER OR IRREVERSIBLE DAMAGE POSSIBILITY</b>                                                                                                                  |

- The icons with the stylized figures indicates whom the subject dealt in the paragraph is addressed to (between the User and/or the Authorized Technician and/or the Specialized Stove-repairer).
- **WARNING symbols indicates an important note.**
- The User manual is an integral and complementary part of the installer manual.

## 2 DEAR CUSTOMER

Dear Customer,

Our products are designed and manufactured in accordance with standards in force, with high quality materials and using our extensive experience in the transformation processes.

To get the best performance, we suggest you read the instructions in this manual carefully.

This installation guide is an integral part of the product: ensure that the manual is always supplied with the appliance, even if it changes owner. If the manual is lost, you can request another copy from the local Technical Dept. or download it directly from the company's website.

All local regulations, including those referring to national and European standards, must be observed when installing the appliance. In Italy, for the installation of systems with a biomass below 35KW, refer to the Ministerial Decree 37/08 and the qualified installation technician with the suitable requirements must issue a certificate of compliance for the system installed. (By system we intend Stove+Flue+Air inlet).

Our solid bio-combustible products, (hereinafter called "Products") are designed and manufactured in compliance with one of the following European standard harmonised to Regulation (UE) no. 305/2011 for construction products:

**EN 14785:** "Residential space heating appliances fired by wood pellets"

**EN 13240:** "Room heaters fired by solid fuel."

**EN 13229:** "Inset appliances including open fires fired by solid fuels"

**EN 12815:** "Residential cookers fired by solid fuel"

The products also comply with the essential requirements of Directive **2009/125/EC (Eco Design)** and, where applicable, Directives:

According to (EU) No. 305/2011 regulation, the "Declaration of Performance" and "Declaration of Conformity" are available online, in the download area, at the web sites:

- [www.cadelsrl.com](http://www.cadelsrl.com)
- [www.free-point.it](http://www.free-point.it)
- [www.pegasoheating.com](http://www.pegasoheating.com)

Having specified the above, we highlight and report that:

- **This manual and technical data sheet, also available on our website**, bear all of the specific indications and necessary and essential information to choose the product, to install it correctly and to properly size the smoke expulsion system;
- **the Products must be installed, controlled and serviced by a qualified operator**, according to the instructions in this manual and in compliance with the laws and installation and maintenance standards in force in individual countries, so as to provide an efficient heating system, properly sized according to the needs of the home.

## 3 CAUTIONS

- All the pictures carried in this manual are only for indicative and explanatory purpose and could therefore slightly differ from your appliance.
- The referring appliance is those you purchased.
- In case of doubts or difficulties in the comprehension or for problems not described in this manual, please promptly contact your distributor or installer.

### 3.1 REVISIONS TO THE PUBLICATION

The content of this manual is strictly technical and the property of CADEL S.r.l.

No part of this manual may be translated into other languages, adapted and/or reproduced, even in part, in other mechanical and/or electronic form or media, for photocopies, recordings or other, without the prior written authorisation of CADEL S.r.l.

The company reserves the right to make changes to the product at any time without prior notice. The owner company reserves its rights according to law.

### 3.2 CARE OF THE MANUAL AND HOW TO CONSULT IT

- Take care of this manual and store it in an easily and quickly accessible place.
- Should this manual be lost or destroyed, request a copy from your retailer or directly from the authorised Technical assistance department. It can also be downloaded from the company's website.
- **"Bold text"** requires special attention.



- Packaging are not toys and could cause suffocation or strangulation and other health hazards! People (children included) with reduced mobility, psychological diseases or without experience and knowledge must be kept away from packaging. The stove is not a toy.
  - Please check with your local authorities if exists any restrictive regulation which regards the combustible air inlet, the fumes exhaust system, the chimney flue and the chimney pot.
  - The company declines any responsibility regarding the bad running of the stove if it is due to the use of a no correctly dimensioned chimney flue which does not respect current regulations.
  - It is forbidden to use any type of liquid combustible!
  - It is forbidden to burn wood processing waste containing glue or paint, waste in general and cardboard!
  - Installation, electric connection, operation test and maintenance must be carried out by an authorized and skilled technician.
  - This appliance must not be used by people (children included) with reduced mobility, psychological diseases or without experience and knowledge except in case of supervision or instruction about the use of the appliance by people responsible for their safety.
  - Children must be constantly overseen in order to assure that they do not play with the appliance.
  - Do not use flammable liquids during the ignition (alcohol, petrol, oil, etc...).
  - Do not subject the cast iron cooktop to too high temperature (cherry red) because there is the risk of breakage!
  - During stove refilling do not wear flammable or large clothing.
  - Do not open and close the fire door violently: the glass can break!
  - During regular working is dangerous to keep open the ash drawer and/or the fire box to increase air draught! There are appropriate instruments to adjust combustion air (primary air valve, register, etc...).
  - It is strictly forbidden to work on the stove with the firebox door open.
  - Before any movement let the fire inside the combustion chamber extinguish till the total cooling and always disconnect the plug from the socket (if there are).
  - Smokes from blocked chimneys are dangerous. Keep the chimney and flue clear and clean them according to the instructions. Keep the boiler flue pipes clear and clean them according to the instructions. Use only recommended fuels. Read the instructions for use carefully.
  - **During its running, the stove reaches high temperatures! Keep away children and animals and for your safety please use appropriate fireproof devices, such as heatprotecting gloves.**
- The firebox must be kept closed (**except during reloading operations to avoid smoke release**).



*Fig. 1 - Attention: hot surfaces!*

## 5 CAUTIONS - WARRANTY CONDITIONS

### 5.1 INFORMATION

- Please contact the retailer or qualified personnel for any information, problem or malfunction.
- Only use the fuel specified by the manufacturer.
- When the product is switched on for the first time, it is normal for it to emit smoke due to the paint heating up for the first time. Therefore make sure the room it is installed in is well-ventilated.
- Periodically check and empty the inspectionable parts of the smoke duct (e.g. Tee fitting caps).
- Have the smoke outlet system periodically checked and cleaned.
- Store this installation and user manual with care as it must accompany the product for the duration of its useful life. If the product is sold or transferred to another user, always ensure the manual is also handed over.

### 5.2 WARRANTY CONDITIONS

For the duration, terms, conditions, limitations of the Cadel S.r.l. conventional warranty, please refer to the specific warranty card that is included with the product.

## 6 SPARE PARTS

For each repair or adjustment which should be necessary, please contact the dealer where you purchased your stove or your nearest Technical Assistance Service, specifying:

- Appliance model
- Serial number
- Type of problem

Use only original spare parts which you can find at our Technical Assistance Services.

## 7 DISPOSAL OF MATERIALS

### 7.1 WARNINGS FOR THE CORRECT DISPOSAL OF THE PRODUCT

The owner is the sole party responsible for demolishing and disposing of the product. This must be performed in compliance with laws related to safety and environmental protection in force in his/her country.

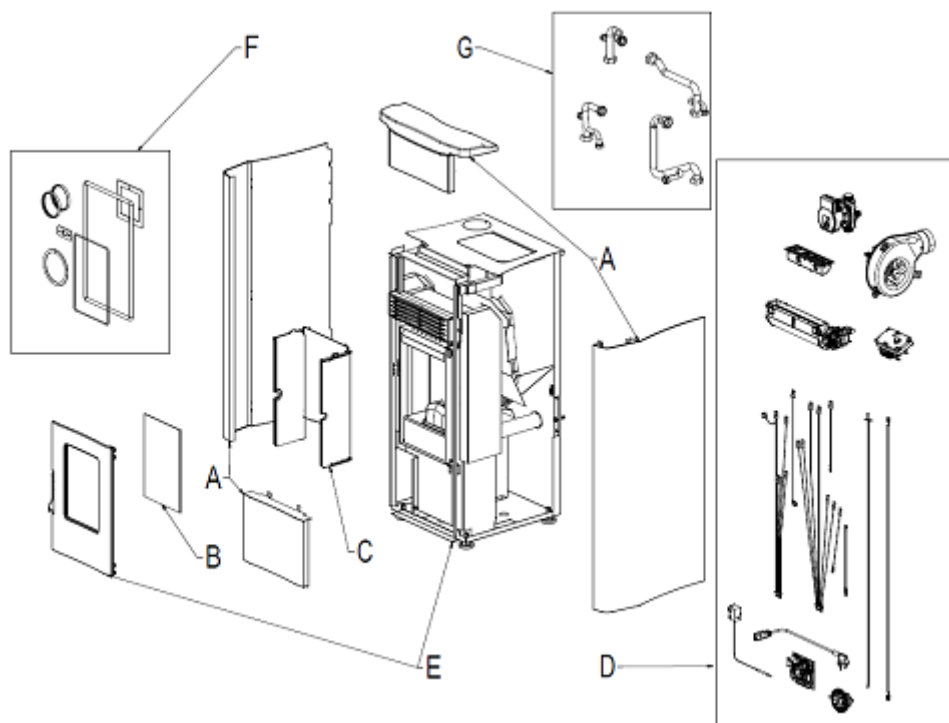
At the end of its working life, the product must not be disposed of as urban waste.

It must be taken to a special differentiated waste collection centre set up by the local authorities or to a retailer that provides this service.

Separating and recycling prevents potential negative effects on the environment and health (often caused by inappropriately disposing of product parts). It also allows materials to be recovered in order to obtain significant savings in energy and resources.

The following table and the exploded view it refers to highlight the main components that can be found in the device and indications on how to separate and dispose of them correctly when no longer used.

More specifically, the electric and electronic components must be separated and disposed of in authorised centres, in compliance with the WEEE directive 2012/19/EU and the relative national transpositions.



**Fig. 2 - Exploded drawing**

| LEGENDA                               | WHERE TO DISPOSE                                                                                                                           | MATERIALS                                                                                              |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| A. OUTER CLADDING                     | If there is any, to be disposed of separately based on the material used:                                                                  | Metal                                                                                                  |
|                                       |                                                                                                                                            | Glass                                                                                                  |
|                                       |                                                                                                                                            | Tiles or ceramics                                                                                      |
|                                       |                                                                                                                                            | Stone                                                                                                  |
| B. GLASS DOORS                        | If there is any, to be disposed of separately based on the material used:                                                                  | Glass ceramic (fire door): to be disposed of with inert or mixed waste                                 |
|                                       |                                                                                                                                            | Tempered glass (oven door): to be disposed of with glass                                               |
| C. INTERIOR CLADDING                  | If there is any, to be disposed of separately based on the material used:                                                                  | Metal                                                                                                  |
|                                       |                                                                                                                                            | Refractory materials                                                                                   |
|                                       |                                                                                                                                            | Insulating panels                                                                                      |
|                                       |                                                                                                                                            | Vermiculite                                                                                            |
| D. ELECTRIC AND ELECTRONIC COMPONENTS | To be disposed of separately in authorised centres, as indicated in the WEEE directive 2012/19/EU and the relative national transposition. | Wiring, motors, fans, circulators, display panels, sensors ignition plug, electronic cards, batteries. |
| E. METAL STRUCTURE                    | To be disposed of separately with metal                                                                                                    | -                                                                                                      |
| F. COMPONENTS THAT CANNOT BE RECYCLED | To be disposed of with mixed waste                                                                                                         | E.G.: Gaskets, rube piping, silicone or fibres, plastic.                                               |
| G. HYDRAULIC COMPONENTS               | Piping, fittings, expansion vessel, valves. If there are any, to be disposed of separately based on the material they are made of:         | Copper                                                                                                 |
|                                       |                                                                                                                                            | Brass                                                                                                  |
|                                       |                                                                                                                                            | Stainless steel                                                                                        |
|                                       |                                                                                                                                            | Other materials                                                                                        |

## 7.2 INSTRUCTIONS FOR PACKAGING DISPOSAL

The material that the appliance's packaging is made of must be managed correctly, in order to make collection, reuse, recovery and recycling easier, where possible.

The table below illustrates the possible components that the packaging is made of, and the relative instructions for correct disposal.

| DESCRIPTION                                                                                | CODE MATERIAL                      | SYMBOL                                                                               | DIRECTIONS FOR COLLECTION                                                                |
|--------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| - WOOD BED<br>- WOOD CAGE<br>- WOOD PALLET                                                 | WOOD<br>FOR 50                     |    | SORTED waste collection                                                                  |
|                                                                                            |                                    |                                                                                      | WOOD                                                                                     |
|                                                                                            |                                    |                                                                                      | Check with the competent body on how to dispose of this packaging at the recycling depot |
| - CARDBOARD BOX<br>- CARDBOARD CORNER<br>- CARDBOARD SHEET                                 | CORRUGATED CARDBOARD<br>PAP 20     |    | SORTED waste collection                                                                  |
|                                                                                            |                                    |                                                                                      | PAPER                                                                                    |
|                                                                                            |                                    |                                                                                      | Check the instructions of the competent body                                             |
| - CARDBOARD CORNER                                                                         | NOT CORRUGATED CARDBOARD<br>PAP 21 |    | SORTED waste collection                                                                  |
|                                                                                            |                                    |                                                                                      | PAPER                                                                                    |
|                                                                                            |                                    |                                                                                      | Check the instructions of the competent body                                             |
| - LABELS<br>- INSTRUCTION MANUAL                                                           | PAPER<br>PAP 22                    |    | SORTED waste collection                                                                  |
|                                                                                            |                                    |                                                                                      | PAPER                                                                                    |
|                                                                                            |                                    |                                                                                      | Check the instructions of the competent body                                             |
| - APPLIANCE BAG                                                                            | POLYETHYLENE<br>HD-PE 2            |    | SORTED waste collection                                                                  |
|                                                                                            |                                    |                                                                                      | PLASTIC                                                                                  |
|                                                                                            |                                    |                                                                                      | Check the instructions of the competent body                                             |
| - APPLIANCE BAG<br>- BAG OF ACCESSORIES<br>- BUBBLE WRAP<br>- PROTECTIVE SHEET<br>- LABELS | POLYETHYLENE<br>LD PE 04           |   | SORTED waste collection                                                                  |
|                                                                                            |                                    |                                                                                      | PLASTIC                                                                                  |
|                                                                                            |                                    |                                                                                      | Check the instructions of the competent body                                             |
| - POLYSTYRENE<br>- FOAM PEANUTS                                                            | POLYSTYRENE<br>PS 6                |  | SORTED waste collection                                                                  |
|                                                                                            |                                    |                                                                                      | PLASTIC                                                                                  |
|                                                                                            |                                    |                                                                                      | Check the instructions of the competent body                                             |
| - STRAP<br>- TAPE                                                                          | POLYPROPYLENE<br>PP 5              |  | SORTED waste collection                                                                  |
|                                                                                            |                                    |                                                                                      | PLASTIC                                                                                  |
|                                                                                            |                                    |                                                                                      | Check the instructions of the competent body.                                            |
| - SCREWS<br>- STAPLES FOR STRAP<br>- FASTENING BRACKET                                     | IRON<br>FE 40                      |  | SORTED waste collection                                                                  |
|                                                                                            |                                    |                                                                                      | METAL                                                                                    |
|                                                                                            |                                    |                                                                                      | Check with the competent body on how to dispose of this packaging at the recycling depot |

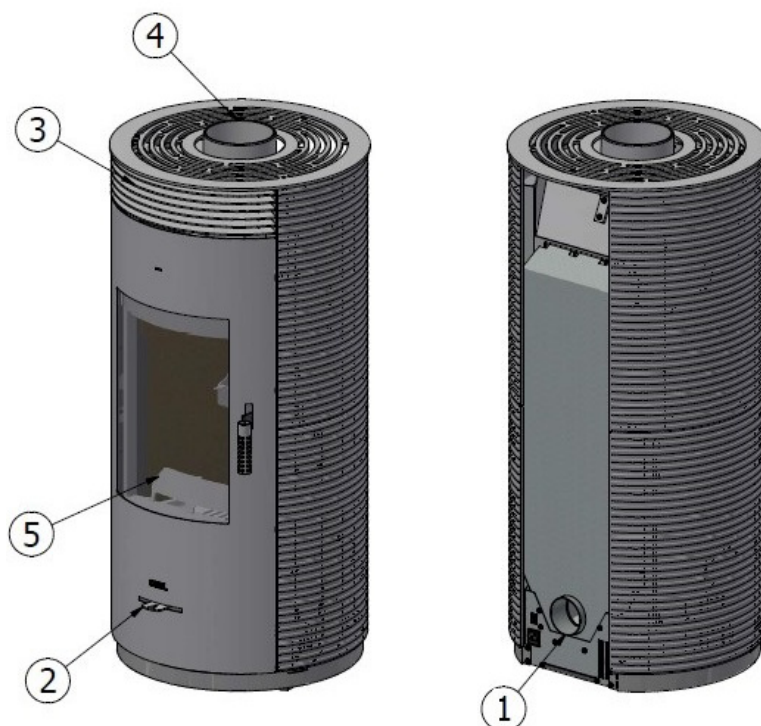
## 8 USE

### 8.1 INTRODUCTION

To have the best performance with the lowest consumption please follow the here described instructions.

- Wood ignition occurs very easily if the installation is correct and if the chimney flue is efficient.
- By first ignition of the stove hold a slow fire for at least 4-5 hours in order to allow the material of which the heater and the hearth are made up of to adjust the inner mechanical stresses. This operation must be executed at least 3-4 times a year.
- Plant fat waste and varnishes can release bad smells and smoke during first working hours: it is advisable to ventilate the room because they can be noxious to people and animals.
- If inside the combustion chamber there are booklets, manuals, etc..., remove them.
- Check that the plug is inserted in the power socket (this only applies to forced ventilation stoves).
- When the stove has finished the combustion process, close all the combustion air control registers.

## 8.2 IGNITION



**Fig. 3 - SPIN - EOS - Wood**

| LEGEND | Fig. 3                    |
|--------|---------------------------|
| 1      | Combustion air Ø 80cm     |
| 2      | Combustion air regulation |
| 3      | Hot air outlet            |
| 4      | Exhaust stub pipe         |
| 5      | Combustion chamber        |

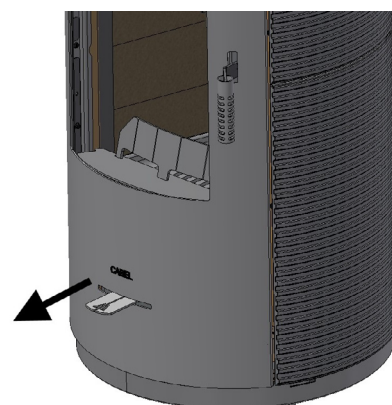
- Place firelighters in the burning pot with small pieces of well-seasoned wood. (see **Fig. 4**).
- Light (see **Fig. 5**) [and if necessary keep the door open for a few minutes until the combustion chamber and flue start to heat up].
- Open the combustion air regulation (2) (see **Fig. 6**).



**Fig. 4 -**



**Fig. 5 -**



**Fig. 6 -**

- As the fire lights gradually add small pieces of well-seasoned wood.
- When the flue is hot enough, close the combustion air regulation (2) (see **Fig. 7**).

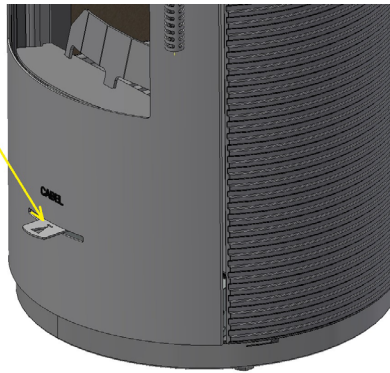


Fig. 7 -



Fig. 8 -



Fig. 9 -

- Load the stove when embers have formed in the combustion chamber (see **Fig. 8**).
- Load a well-seasoned log with the size and weight specified in mm 90x90x300 (kg.1,9) (see **Fig. 9**).
- Adjust the combustion air regulator (2).

### 8.3 STOVE REFILLING

Load the stove when embers have formed in the combustion chamber.

- Open the stove door slowly.
- Using the poker, break the burnt log and form a bed of embers.
- Place a well-seasoned log in the centre of the embers and close the door (see previous photos).
- 



*Open the fire door with naked flames can be dangerous for user and/or home.*



*When you put a log on embers that have almost gone out, smoke may accumulate and form an explosive gas. In extreme cases an explosion may occur. We recommend starting the fire again with small sticks of wood.*



*During operation some external parts can reach high temperatures. During refilling phases use proper protection gloves.*

Close the regulator (see **Fig. 7**). The stove operating time is approximately 45/60 minutes. When combustion has ended, load the stove again.

It is prohibited to load amounts of wood exceeding those specified.

Excessive amounts of wood may damage the hearth and the structure of the stove.

The manufacturer disclaims any liability for damage caused by excessive loading or for use of fuel that does not comply with the specifications.

### 8.4 STOVE REFILLING

After having made at least 2 loads of wood (400 gr of embers), place 2 well-seasoned beech log in the centre of the embers, with the size and weight specified in mm 60x100x260 - kg 1 (see **Fig. 10 Fig. 11**).

Close half the combustion air regulation. The stove operating time is approximately 45/55 minutes. When combustion has ended, load the stove again.

At each reload of wood, the ash residue is about 30 grams.



Fig. 10 -



Fig. 11 -

## 8.5 OPTIONAL FANS

Some models are supplied with the optional fans.

FANS: these turn on and off automatically. If there is a need to deactivate them, it is possible to switch them off by pressing the button (see Fig. 12).



Fig. 12 -

## 8.6 ADVERSE WEATHER CONDITIONS

When the external temperatures are severe and/or there are adverse weather conditions (strong wind), the chimney is subjected to a lack in draught thus impeding a correct fume expulsion.

- Fill the heart with few wood logs and keep air register valves opened completely.

## 8.7 CREOSOTE DANGER



*The use of humid and/or bad quality wood (for example resinous wood) cause creation of creosote along the chimney flue obstructing fume passages.*



*The creosote is flammable and if amassed over the time it must be removed in order to prevent the risk of fire of the chimney flue.*

## 8.8 FIRE EXTINGUISHING IN CASE OF FIRE

- In the event of fire, close the air regulating valve and call the fire brigade immediately.
- Never use water to put out the fire inside the combustion chamber.
- Use an extinguisher and call the fire brigade immediately.
- When the fire has stopped burning, have the flue inspected by a specialised heating engineer.

## 8.9 FLUE GAS PASS PROBLEMS

If there are draught issues (smoke and odour coming out of the cooker) after the ignition valve (3) has been closed, act as follows:



Fig. 13 -.



Fig. 14 -.

- Pull out the top tile (see **Fig. 13**).
- Remove the internal smoke diverter (see **Fig. 14**).
- Reposition the top tile.

## 9 FUEL

### 9.1 FUEL

- The allowed fuel is firewood and its derivatives (lignite blocks, compressed sawdust, etc.) with a maximum water content of 20%.
- To obtain good firewood, it must be seasoned outside for at least 2 years in a place protected from the weather.
- If the wood is purchased it must fulfil standard UNI-EN-14961-2 namely UNI EN ISO 17225-2 (class A1).



*Using damp wood or scraps of bark results in the formation of creosote in the ducts and in the hearth. The heat output of damp wood is much lower than the heat output of dry wood and pollutes a lot more.*

- To know the length of wood log to use, check the dimensions of stove combustion chamber.
- Here following some information about the quality of different type of woods:

| TYPE OF WOOD | QUALITY    | % PERFORMANCE |
|--------------|------------|---------------|
| Oak          | Excellent  | 100           |
| Hornbeam     | Excellent  | 100           |
| Ash          | Very good  | 92            |
| Maple        | Very good  | 91            |
| Birch        | Good       | 89            |
| Elm          | Good       | 84            |
| Beech        | Good       | 80            |
| Willow       | Sufficient | 71            |
| Spruce       | Sufficient | 70            |
| Red deal     | Fair       | 67            |
| Larch        | Fair       | 66            |
| Lime         | Worst      | 57            |
| Poplar       | Worst      | 50            |

## 10 ROUTINE MAINTENANCE

### 10.1 INTRODUCTION

For a long working life of the stove, have a periodic cleaning of the stove as described in the following paragraphs.

- Fume outlet pipes (fume conduit + chimney flue + chimney pot) must always be cleaned, scrubbed and checked by an authorized technician in compliance with local regulations, with the instructions of the manufacturer and those of your insurance company.
- If there are no local regulations and no instruction from your insurance company, it is necessary to have your fume pipe, chimney flue and chimney pot cleaned at least once a year.
- It is also necessary to have the combustion chamber, motors and fans cleaned and to have the gaskets and the electrical elements checked at least once a year.



*All these operations must be planned in time with your Authorized Technical Assistance Service.*

- After a long ineffective time, before turning on the stove check if there are obstructions in the fume exhaust.
- If the stove had been using continuously and intensely, the whole system (chimney included), must be cleaned and checked more frequently.
- In case of replacement of damaged pieces please ask for the original spare part at the Authorized Retailer.

### 10.2 BURNING POT AND ASH TRAY CLEANING

For a good combustion, before of every stove ignition, remove the ash which has settled in the burning pot.



Fig. 15 -.



Fig. 16 -.

- Scrape the ash (see **Fig. 15**).
- The ash pan, if full, must be emptied. (see **Fig. 16**).
- Ash must be kept in a metal container with a sealed lid. This container should never be in contact with flammable materials (for example, placed on a wooden floor), as ash can hold glowing embers for a long time. Only when the ash is completely extinguished can it be thrown in the organic waste.
- Clean the ash also in the ash compartment.

### 10.3 FUME PIPES ANNUAL CLEANING

Clean annually from soot with brushes.

The cleaning operation must be executed by a specialized stove-repairer who will provide for the cleaning of fume pipe, chimney flue and chimney pot. He will also check their efficiency and will release a written declaration of the safety of the appliance. This operation must be executed at least once a year.

When it is not in use, we recommend disconnecting the appliance from the smoke duct. This avoids condensation from forming inside the combustion chamber.

## 10.4 GENERAL CLEANING

For cleaning external and inner parts of the stove do not use steel wools, muriatic acid or other corrosive and abrasive materials.

## 10.5 CLEANING OF PAINTED METAL PANELS

To clean painted metal panels use a soft cloth. Do not use degreasant agents like alcool, diluents, acetone, gasoline because these could irremediably damage the varnish.

## 10.6 CLEANING OF CERAMIC AND STONE PANELS

Some stove models has an external lining made up of ceramic or stone. These pieces are handmade therefore they could inevitably present crazings, seedinesses, shadings.

To clean ceramic or stone panels use a soft and dry cloth. If using any cleaners this will seep through the crazings putting them in evidence.

## 10.7 GLASS CLEANING

The glass-ceramic of the fire door is able to stand till 700°C but not to thermal shocks.

The probable cleaning with usual sale product for glass cleaning must be effected at cool glass in order to avoid explosions.



*You should clean the fire door glass every day!*

## 10.8 FANS CLEANING

For models with ventilation, clean every the year the room fan from ash or dust which can cause a blade unbalance and a greater noise.



*As this operation is so delicate it must therefore be executed by an Authorized Technician.*

## 10.9 GASKET REPLACEMENT

The appliance CANNOT be used if the door seals are damaged.

They must be replaced by an authorised technician to ensure the proper functioning of the stove.



*Use exclusively original spare parts.*

# 11 IN CASE OF ANOMALY

## 11.1 PROBLEM SOLVING



*In case of doubts regarding the use of the stove, please contact ALWAYS the Authorized Technician on order to avoi irreparable damages!*

| PROBLEM                        | CAUSE                                                              | SOLUTION                                                                                                                                | INTERVENTION                                                                          |
|--------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Ignition difficulties          | Too large wood                                                     | Use small and well dried wood logs during ignition, before bigger wood logs.                                                            |    |
|                                | Too humid wood                                                     | Use well seasoned wood.                                                                                                                 |    |
|                                | Lack of chimney draught                                            | Open the registers completely. (If the problem persists, contact and expert stove repairer who will check the chimney flue efficiency). |    |
|                                | Ambient without air recycling                                      | Create immediately a ventilation grid.                                                                                                  |    |
| Creation of condensation       | Large chimney flue section                                         | Reduce the chimney flue section with thermal insulater pipes.                                                                           |    |
|                                | No insulated chimney flue                                          | Cover the chimney flue with insulating material.                                                                                        |    |
|                                | Too slow combustion                                                | Open air registers in order to increase the fire and fume output temperature.                                                           |   |
| Fume leakage from the heart    | No insulated chimney flue                                          | Cover the chimney flue with insulating material.                                                                                        |  |
|                                | Adverse wheather conditions                                        | No windproof chimney pot: have it replaced.                                                                                             |  |
|                                | Too humid wood                                                     | Use well seasoned wood.                                                                                                                 |  |
| The glass blackens excessively | Lack of chimney draught                                            | Open the registers completely. (If the problem persists, contact and expert stove repairer who will check the chimney flue efficiency). |  |
|                                | Too humid wood                                                     | Use well seasoned wood                                                                                                                  |  |
|                                | Too slow combustion                                                | Open air registers in order to increase the fire and fume output temperature.                                                           |  |
|                                | Bad quality fuel                                                   | Use fuel described in                                                                                                                   |  |
| Cooker overheating             | Too much wood in the heart (red coloured plate or oven over 300°C) | Close all registers and open the oven door in order to have a faster cooling.                                                           |  |

## 12 TECHNICAL FEATURES

| Brand: CADEL                                                       |                                                                              |                                            |                   |                                         |
|--------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------|-------------------|-----------------------------------------|
| Model: SPIN 8 WOOD T1                                              |                                                                              |                                            |                   |                                         |
| Derived models: EOS 8 WOOD T1-SPIN 8 WOOD AIR T1-EOS 8 WOOD AIR T1 |                                                                              |                                            |                   |                                         |
| GENERAL                                                            | EU Standard                                                                  |                                            | EN 16510-2-1:2022 |                                         |
|                                                                    | Appliance Type (tightness)                                                   | Type                                       | CM                |                                         |
|                                                                    | Continuous (CON) or intermittent (INT) operation                             | CON / INT                                  | INT               |                                         |
|                                                                    | Fuel type                                                                    |                                            | Legna             |                                         |
|                                                                    | Fuel dimensions                                                              |                                            | 330               |                                         |
|                                                                    | Environmental classification stars DM.186 (IT)                               |                                            | 4 *               |                                         |
|                                                                    | Energy class (scale A++/G)                                                   |                                            | A+                |                                         |
|                                                                    | Energy efficiency index                                                      |                                            | 112               | EEl                                     |
|                                                                    | Seasonal space heating efficiency                                            |                                            | 74                | $\eta_s$                                |
| NOMINAL                                                            | Nominal heat input                                                           | Pinputnom                                  | 9,5               | kW                                      |
|                                                                    | Nominal heat output                                                          | Pnom                                       | 8,0               | kW                                      |
|                                                                    | Fuel consumption at nominal heat output                                      | kg/hnom                                    | 2,2               | kg/h                                    |
|                                                                    | Cycle load at nominal heat output                                            | Autnom                                     | 2,1               | kg                                      |
|                                                                    | Cycle duration at nominal heat output                                        | $\eta_{nom}$                               | 53                | min                                     |
|                                                                    | Efficiency at nominal heat output                                            | $\eta_{nom}$                               | 84                | %                                       |
|                                                                    | CO <sub>2</sub> at nominal heat output                                       | CO <sub>2</sub> nom                        | 8,4               | %                                       |
|                                                                    | CO (%) at 13% O <sub>2</sub> at nominal heat output                          | CO%nom (13% O <sub>2</sub> )               | 0,08              | % (13% O <sub>2</sub> )                 |
|                                                                    | CO at 13% O <sub>2</sub> at nominal heat output                              | COnom (13% O <sub>2</sub> )                | 990               | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                    | NO <sub>x</sub> at 13% O <sub>2</sub> at nominal heat output                 | NO <sub>x</sub> nom (13% O <sub>2</sub> )  | 99                | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                    | OGC at 13% O <sub>2</sub> at nominal heat output                             | OGCnom (13% O <sub>2</sub> )               | 50                | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                    | PM at 13% O <sub>2</sub> at nominal heat output                              | PMnom (13% O <sub>2</sub> )                | 25                | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                    | Flue gas outlet temperature at nominal heat output**                         | Tsnom                                      | 192               | °C                                      |
|                                                                    | Minimum flue draught at nominal heat output***                               | pnom                                       | 10                | Pa                                      |
|                                                                    | Flue gas mass flow at nominal heat output                                    | $\phi_{f,g} \text{ nom}$                   | 7,6               | g/s                                     |
| REDUCED                                                            | Partial load heat input                                                      | Pinputpart                                 |                   | kW                                      |
|                                                                    | Partial load heat output                                                     | Ppart                                      |                   | kW                                      |
|                                                                    | Partial space heat output                                                    | PSHpart                                    |                   | kW                                      |
|                                                                    | Partial load water heat output                                               | PWpart                                     |                   | kW                                      |
|                                                                    | Fuel consumption at partial load heat output                                 | kg/hpart                                   |                   | kg/h                                    |
|                                                                    | Efficiency at part load heat output                                          | $\eta_{part}$                              |                   | %                                       |
|                                                                    | CO <sub>2</sub> at partial load heat output                                  | CO <sub>2</sub> part                       |                   | %                                       |
|                                                                    | CO (%) at 13% O <sub>2</sub> at partial load heat output                     | CO%part (13% O <sub>2</sub> )              |                   | % (13% O <sub>2</sub> )                 |
|                                                                    | CO at 13% O <sub>2</sub> at partial load heat output                         | COpart (13% O <sub>2</sub> )               |                   | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                    | NO <sub>x</sub> at 13% O <sub>2</sub> at part load heat output               | NO <sub>x</sub> part (13% O <sub>2</sub> ) |                   | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                    | OGC at 13% O <sub>2</sub> at part load heat output                           | OGCpart (13% O <sub>2</sub> )              |                   | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                    | PM at 13 % O <sub>2</sub> at part load heat output                           | PMpart (13% O <sub>2</sub> )               |                   | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                    | Flue gas outlet temperature at part load heat output**                       | Tspart                                     |                   | °C                                      |
|                                                                    | Minimum flue draught at partial load heat output***                          | ppart                                      |                   | Pa                                      |
|                                                                    | Flue gas mass flow at part load heat output                                  | $\phi_{f,g} \text{ part}$                  |                   | g/s                                     |
| INSTALLATION                                                       | Chimney designation                                                          | Tclass                                     | T400G             |                                         |
|                                                                    | Maximum load of a chimney over the appliance                                 | mchim                                      | 30                | kg                                      |
|                                                                    | Standing air loss                                                            | Vh                                         |                   | m <sup>3</sup> /h                       |
|                                                                    | Air heating outlet diameter                                                  |                                            |                   | mm                                      |
|                                                                    | Heatable volume (with respective requirement of 20/35/55 W/ m <sup>3</sup> ) |                                            | 224               | m <sup>3</sup>                          |
|                                                                    | Minimum distance to combustible materials (rear)                             | dR                                         | 200               | mm                                      |
|                                                                    | Minimum distance to combustible materials (side)                             | dS                                         | 350               | mm                                      |
|                                                                    | Minimum distance to combustible materials (bottom)                           | dB                                         | 0                 | mm                                      |
|                                                                    | Minimum distance to combustible materials (ceiling)                          | dC                                         | 800               | mm                                      |
|                                                                    | Minimum distance to non-combustible walls                                    | dnon                                       | 200               | mm                                      |
|                                                                    | Added protective insulation                                                  | s                                          |                   | mm                                      |
|                                                                    | Thermal conductivity additional insulation                                   | $\lambda_d$                                |                   | W/mK                                    |
|                                                                    | Minimum distance to combustible materials (radiant front)                    | dP                                         | 1200              | mm                                      |
|                                                                    | Minimum distance to combustible materials (radiant bottom)                   | dF                                         | 600               | mm                                      |
|                                                                    | Minimum distance to combustible materials (radiant side)                     | dL                                         | 400               | mm                                      |

\*\* Flue gas temperature at the appliance outlet, to be used in the chimney sizing calculation (according to EN 13384-1)

\*\*\*Consider a minimum draught of 2 Pa in the EN 13384-1 chimney dimensioning calculations

| Brand: <b>CADEL</b>                                |                                                   |       |        |                 |
|----------------------------------------------------|---------------------------------------------------|-------|--------|-----------------|
| Model: <b>SPIN 8 WOOD T1</b>                       |                                                   |       |        |                 |
| DIMENSIONS                                         | Width of the appliance                            | W     | 52,5   | mm              |
|                                                    | Depth of the appliance                            | L     | 52,5   | mm              |
|                                                    | Height of the appliance                           | H     | 111    | mm              |
|                                                    | Mass of the appliance                             | m     | 150    | kg              |
|                                                    | Ventilation air intake section (cm <sup>2</sup> ) |       | 100    | cm <sup>2</sup> |
|                                                    | Combustion air inlet diameter (mm)                |       | 80     | mm              |
|                                                    | Diameter of the flue gas outlet                   | dout  | 150    | mm              |
| ELECTRICAL CONNECTION                              | Electrical consumption at nominal heat output     | elmax | 0      | W               |
|                                                    | Electrical consumption at part load heat output   | elmin | 0      | W               |
|                                                    | Maximum electric power input                      | Wmax  |        | W               |
|                                                    | Electrical consumption at standby                 | elSB  | 0,0    | W               |
|                                                    | Voltage - Power Frequency                         | E-f   | -      | V - Hz          |
| * Values that can vary due to the used combustible |                                                   |       |        |                 |
| Brand: <b>FreePoint</b>                            |                                                   |       |        |                 |
| Model: <b>EOS 8 WOOD T1</b>                        |                                                   |       |        |                 |
| DIMENSIONS                                         | Width of the appliance                            | W     | 52,5   | mm              |
|                                                    | Depth of the appliance                            | L     | 52,5   | mm              |
|                                                    | Height of the appliance                           | H     | 111    | mm              |
|                                                    | Mass of the appliance                             | m     | 108    | kg              |
|                                                    | Ventilation air intake section (cm <sup>2</sup> ) |       | 100    | cm <sup>2</sup> |
|                                                    | Combustion air inlet diameter (mm)                |       | 80     | mm              |
|                                                    | Diameter of the flue gas outlet                   | dout  | 150    | mm              |
| ELECTRICAL CONNECTION                              | Electrical consumption at nominal heat output     | elmax | 0      | W               |
|                                                    | Electrical consumption at part load heat output   | elmin | 0      | W               |
|                                                    | Maximum electric power input                      | Wmax  |        | W               |
|                                                    | Electrical consumption at standby                 | elSB  | 0,0    | W               |
|                                                    | Voltage - Power Frequency                         | E-f   | -      | V - Hz          |
| * Values that can vary due to the used combustible |                                                   |       |        |                 |
| Brand: <b>CADEL</b>                                |                                                   |       |        |                 |
| Model: <b>SPIN 8 WOOD AIR T1</b>                   |                                                   |       |        |                 |
| DIMENSIONS                                         | Width of the appliance                            | W     | 52,5   | mm              |
|                                                    | Depth of the appliance                            | L     | 52,5   | mm              |
|                                                    | Height of the appliance                           | H     | 111    | mm              |
|                                                    | Mass of the appliance                             | m     | 153    | kg              |
|                                                    | Ventilation air intake section (cm <sup>2</sup> ) |       | 100    | cm <sup>2</sup> |
|                                                    | Combustion air inlet diameter (mm)                |       | 80     | mm              |
|                                                    | Diameter of the flue gas outlet                   | dout  | 150    | mm              |
| ELECTRICAL CONNECTION                              | Electrical consumption at nominal heat output     | elmax | 20     | W               |
|                                                    | Electrical consumption at part load heat output   | elmin | 0      | W               |
|                                                    | Maximum electric power input                      | Wmax  |        | W               |
|                                                    | Electrical consumption at standby                 | elSB  | 0,0    | W               |
|                                                    | Voltage - Power Frequency                         | E-f   | 230-50 | V - Hz          |
| * Values that can vary due to the used combustible |                                                   |       |        |                 |
| Brand: <b>FreePoint</b>                            |                                                   |       |        |                 |
| Model: <b>EOS 8 WOOD AIR T1</b>                    |                                                   |       |        |                 |
| DIMENSIONS                                         | Width of the appliance                            | W     | 52,5   | mm              |
|                                                    | Depth of the appliance                            | L     | 52,5   | mm              |
|                                                    | Height of the appliance                           | H     | 111    | mm              |
|                                                    | Mass of the appliance                             | m     | 111    | kg              |
|                                                    | Ventilation air intake section (cm <sup>2</sup> ) |       | 100    | cm <sup>2</sup> |
|                                                    | Combustion air inlet diameter (mm)                |       | 80     | mm              |
|                                                    | Diameter of the flue gas outlet                   | dout  | 150    | mm              |
| ELECTRICAL CONNECTION                              | Electrical consumption at nominal heat output     | elmax | 20     | W               |
|                                                    | Electrical consumption at part load heat output   | elmin | 0      | W               |
|                                                    | Maximum electric power input                      | Wmax  |        | W               |
|                                                    | Electrical consumption at standby                 | elSB  | 0,0    | W               |
|                                                    | Voltage - Power Frequency                         | E-f   | 230-50 | V - Hz          |
| * Values that can vary due to the used combustible |                                                   |       |        |                 |

| Brand: CADEL                                                                                                            |                                                                              |                                            |                   |                                         |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------|-------------------|-----------------------------------------|
| Model: SPIN 9 WOOD T2                                                                                                   |                                                                              |                                            |                   |                                         |
| Derived models: EOS 9 WOOD T2 - SPIN 9 WOOD AIR T2 - EOS 9 WOOD AIR T2                                                  |                                                                              |                                            |                   |                                         |
| GENERAL                                                                                                                 | EU Standard                                                                  |                                            | EN 16510-2-1:2022 |                                         |
|                                                                                                                         | Appliance Type (tightness)                                                   | Type                                       | CM                |                                         |
|                                                                                                                         | Continuous (CON) or intermittent (INT) operation                             | CON / INT                                  | INT               |                                         |
|                                                                                                                         | Fuel type                                                                    |                                            | Legna             |                                         |
|                                                                                                                         | Fuel dimensions                                                              |                                            | 330               |                                         |
|                                                                                                                         | Environmental classification stars DM.186 (IT)                               |                                            | 5 *               |                                         |
|                                                                                                                         | Energy class (scale A++/G)                                                   |                                            | A+                |                                         |
|                                                                                                                         | Energy efficiency index                                                      |                                            | 115               | EEl                                     |
|                                                                                                                         | Seasonal space heating efficiency                                            |                                            | 76                | $\eta_s$                                |
| NOMINAL                                                                                                                 | Nominal heat input                                                           | Pinputnom                                  | 10,5              | kW                                      |
|                                                                                                                         | Nominal heat output                                                          | Pnom                                       | 9,0               | kW                                      |
|                                                                                                                         | Fuel consumption at nominal heat output                                      | kg/hnom                                    | 2,5               | kg/h                                    |
|                                                                                                                         | Cycle load at nominal heat output                                            | Autnom                                     | 1,9               | kg                                      |
|                                                                                                                         | Cycle duration at nominal heat output                                        | $\eta_{nom}$                               | 48                | min                                     |
|                                                                                                                         | Efficiency at nominal heat output                                            | $\eta_{nom}$                               | 86                | %                                       |
|                                                                                                                         | CO <sub>2</sub> at nominal heat output                                       | CO <sub>2</sub> nom                        | 9,2               | %                                       |
|                                                                                                                         | CO (%) at 13% O <sub>2</sub> at nominal heat output                          | CO%nom (13% O <sub>2</sub> )               | 0,052             | % (13% O <sub>2</sub> )                 |
|                                                                                                                         | CO at 13% O <sub>2</sub> at nominal heat output                              | COnom (13% O <sub>2</sub> )                | 500               | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                                                                         | NO <sub>x</sub> at 13% O <sub>2</sub> at nominal heat output                 | NO <sub>x</sub> nom (13% O <sub>2</sub> )  | 98                | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                                                                         | OGC at 13% O <sub>2</sub> at nominal heat output                             | OGCnom (13% O <sub>2</sub> )               | 25                | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                                                                         | PM at 13% O <sub>2</sub> at nominal heat output                              | PMnom (13% O <sub>2</sub> )                | 12                | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                                                                         | Flue gas outlet temperature at nominal heat output**                         | Tsnom                                      | 190               | °C                                      |
|                                                                                                                         | Minimum flue draught at nominal heat output***                               | pnom                                       | 10                | Pa                                      |
|                                                                                                                         | Flue gas mass flow at nominal heat output                                    | $\phi_{f,g} \text{ nom}$                   | 7,7               | g/s                                     |
| REDUCED                                                                                                                 | Partial load heat input                                                      | Pinputpart                                 |                   | kW                                      |
|                                                                                                                         | Partial load heat output                                                     | Ppart                                      |                   | kW                                      |
|                                                                                                                         | Partial space heat output                                                    | PSHpart                                    |                   | kW                                      |
|                                                                                                                         | Partial load water heat output                                               | PWpart                                     |                   | kW                                      |
|                                                                                                                         | Fuel consumption at partial load heat output                                 | kg/hpart                                   |                   | kg/h                                    |
|                                                                                                                         | Efficiency at part load heat output                                          | $\eta_{part}$                              |                   | %                                       |
|                                                                                                                         | CO <sub>2</sub> at partial load heat output                                  | CO <sub>2</sub> part                       |                   | %                                       |
|                                                                                                                         | CO (%) at 13% O <sub>2</sub> at partial load heat output                     | CO%part (13% O <sub>2</sub> )              |                   | % (13% O <sub>2</sub> )                 |
|                                                                                                                         | CO at 13% O <sub>2</sub> at partial load heat output                         | COpart (13% O <sub>2</sub> )               |                   | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                                                                         | NO <sub>x</sub> at 13% O <sub>2</sub> at part load heat output               | NO <sub>x</sub> part (13% O <sub>2</sub> ) |                   | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                                                                         | OGC at 13% O <sub>2</sub> at part load heat output                           | OGCpart (13% O <sub>2</sub> )              |                   | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                                                                         | PM at 13 % O <sub>2</sub> at part load heat output                           | PMpart (13% O <sub>2</sub> )               |                   | mg/m <sup>3</sup> (13% O <sub>2</sub> ) |
|                                                                                                                         | Flue gas outlet temperature at part load heat output**                       | Tspart                                     |                   | °C                                      |
|                                                                                                                         | Minimum flue draught at partial load heat output***                          | ppart                                      |                   | Pa                                      |
|                                                                                                                         | Flue gas mass flow at part load heat output                                  | $\phi_{f,g} \text{ part}$                  |                   | g/s                                     |
| INSTALLATION                                                                                                            | Chimney designation                                                          | Tclass                                     | T400G             |                                         |
|                                                                                                                         | Maximum load of a chimney over the appliance                                 | mchim                                      | 30                | kg                                      |
|                                                                                                                         | Standing air loss                                                            | Vh                                         |                   | m <sup>3</sup> /h                       |
|                                                                                                                         | Air heating outlet diameter                                                  |                                            |                   | mm                                      |
|                                                                                                                         | Heatable volume (with respective requirement of 20/35/55 W/ m <sup>3</sup> ) |                                            | 252               | m <sup>3</sup>                          |
|                                                                                                                         | Minimum distance to combustible materials (rear)                             | dR                                         | 200               | mm                                      |
|                                                                                                                         | Minimum distance to combustible materials (side)                             | dS                                         | 350               | mm                                      |
|                                                                                                                         | Minimum distance to combustible materials (bottom)                           | dB                                         | 0                 | mm                                      |
|                                                                                                                         | Minimum distance to combustible materials (ceiling)                          | dC                                         | 800               | mm                                      |
|                                                                                                                         | Minimum distance to non-combustible walls                                    | dnon                                       | 200               | mm                                      |
|                                                                                                                         | Added protective insulation                                                  | s                                          |                   | mm                                      |
|                                                                                                                         | Thermal conductivity additional insulation                                   | $\lambda_d$                                |                   | W/mK                                    |
|                                                                                                                         | Minimum distance to combustible materials (radiant front)                    | dP                                         | 1200              | mm                                      |
|                                                                                                                         | Minimum distance to combustible materials (radiant bottom)                   | dF                                         | 600               | mm                                      |
|                                                                                                                         | Minimum distance to combustible materials (radiant side)                     | dL                                         | 400               | mm                                      |
| ** Flue gas temperature at the appliance outlet, to be used in the chimney sizing calculation (according to EN 13384-1) |                                                                              |                                            |                   |                                         |
| ***Consider a minimum draught of 2 Pa in the EN 13384-1 chimney dimensioning calculations                               |                                                                              |                                            |                   |                                         |

|                                                    |                                                 |       |        |        |
|----------------------------------------------------|-------------------------------------------------|-------|--------|--------|
| Brand: <b>CADEL</b>                                |                                                 |       |        |        |
| Model: <b>SPIN 9 WOOD T2</b>                       |                                                 |       |        |        |
| DIMENSIONS                                         | Width of the appliance                          | W     | 52,5   | mm     |
|                                                    | Depth of the appliance                          | L     | 52,5   | mm     |
|                                                    | Height of the appliance                         | H     | 111    | mm     |
|                                                    | Mass of the appliance                           | m     | 150    | kg     |
|                                                    | Ventilation air intake section (cm2)            |       | 100    | cm2    |
|                                                    | Combustion air inlet diameter (mm)              |       | 80     | mm     |
|                                                    | Diameter of the flue gas outlet                 | dout  | 150    | mm     |
| ELECTRICAL CONNECTION                              | Electrical consumption at nominal heat output   | elmax | 0      | W      |
|                                                    | Electrical consumption at part load heat output | elmin | 0      | W      |
|                                                    | Maximum electric power input                    | Wmax  |        | W      |
|                                                    | Electrical consumption at standby               | elSB  | 0,0    | W      |
|                                                    | Power supply voltage                            | E-f   | -      | V - Hz |
| * Values that can vary due to the used combustible |                                                 |       |        |        |
| Brand: <b>FreePoint</b>                            |                                                 |       |        |        |
| Model: <b>EOS 9 WOOD T2</b>                        |                                                 |       |        |        |
| DIMENSIONS                                         | Width of the appliance                          | W     | 52,5   | mm     |
|                                                    | Depth of the appliance                          | L     | 52,5   | mm     |
|                                                    | Height of the appliance                         | H     | 111    | mm     |
|                                                    | Mass of the appliance                           | m     | 111    | kg     |
|                                                    | Ventilation air intake section (cm2)            |       | 100    | cm2    |
|                                                    | Combustion air inlet diameter (mm)              |       | 80     | mm     |
|                                                    | Diameter of the flue gas outlet                 | dout  | 150    | mm     |
| ELECTRICAL CONNECTION                              | Electrical consumption at nominal heat output   | elmax | 0      | W      |
|                                                    | Electrical consumption at part load heat output | elmin | 0      | W      |
|                                                    | Maximum electric power input                    | Wmax  |        | W      |
|                                                    | Electrical consumption at standby               | elSB  | 0,0    | W      |
|                                                    | Power supply voltage                            | E-f   | -      | V - Hz |
| * Values that can vary due to the used combustible |                                                 |       |        |        |
| Brand: <b>CADEL</b>                                |                                                 |       |        |        |
| Model: <b>SPIN 9 WOOD AIR T2</b>                   |                                                 |       |        |        |
| DIMENSIONS                                         | Width of the appliance                          | W     | 52,5   | mm     |
|                                                    | Depth of the appliance                          | L     | 52,5   | mm     |
|                                                    | Height of the appliance                         | H     | 111    | mm     |
|                                                    | Mass of the appliance                           | m     | 153    | kg     |
|                                                    | Ventilation air intake section (cm2)            |       | 100    | cm2    |
|                                                    | Combustion air inlet diameter (mm)              |       | 80     | mm     |
|                                                    | Diameter of the flue gas outlet                 | dout  | 150    | mm     |
| ELECTRICAL CONNECTION                              | Electrical consumption at nominal heat output   | elmax | 20     | W      |
|                                                    | Electrical consumption at part load heat output | elmin | 0      | W      |
|                                                    | Maximum electric power input                    | Wmax  |        | W      |
|                                                    | Electrical consumption at standby               | elSB  | 0,0    | W      |
|                                                    | Power supply voltage                            | E-f   | 230-50 | V - Hz |
| * Values that can vary due to the used combustible |                                                 |       |        |        |
| Brand: <b>FreePoint</b>                            |                                                 |       |        |        |
| Model: <b>EOS 9 WOOD AIR T2</b>                    |                                                 |       |        |        |
| DIMENSIONS                                         | Width of the appliance                          | W     | 52,5   | mm     |
|                                                    | Depth of the appliance                          | L     | 52,5   | mm     |
|                                                    | Height of the appliance                         | H     | 111    | mm     |
|                                                    | Mass of the appliance                           | m     | 111    | kg     |
|                                                    | Ventilation air intake section (cm2)            |       | 100    | cm2    |
|                                                    | Combustion air inlet diameter (mm)              |       | 80     | mm     |
|                                                    | Diameter of the flue gas outlet                 | dout  | 150    | mm     |
| ELECTRICAL CONNECTION                              | Electrical consumption at nominal heat output   | elmax | 20     | W      |
|                                                    | Electrical consumption at part load heat output | elmin | 0      | W      |
|                                                    | Maximum electric power input                    | Wmax  |        | W      |
|                                                    | Electrical consumption at standby               | elSB  | 0,0    | W      |
|                                                    | Power supply voltage                            | E-f   | 230-50 | V - Hz |
| * Values that can vary due to the used combustible |                                                 |       |        |        |

# 13 TECHNICAL DOCUMENTATION FOR LOCAL SPACE HEATERS ACCORDING TO COMMISSION REGULATIONS (EU) 2015/1185 - (EU) 2015/1186 (PRODUCT FICHE)

|                                                                                                                                      |                                                                                                                                                                                                                     |      |                    |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|
| Manufacturer                                                                                                                         | CADEL srl - Via Martiri della Libertà 74 - 31025 Santa Lucia di Piave (TV) - Italy                                                                                                                                  |      |                    |
| Trademark: model identifier                                                                                                          | CADEL: SPIN 8 WOOD T1<br>FREEPOINT: EOS 8 WOOD T1                                                                                                                                                                   |      |                    |
| Description                                                                                                                          | Wood stoves                                                                                                                                                                                                         |      |                    |
| Indirect heating functionality                                                                                                       | No                                                                                                                                                                                                                  |      |                    |
| Direct heat output                                                                                                                   | 8 kW                                                                                                                                                                                                                |      |                    |
| Indirect heat output                                                                                                                 | -                                                                                                                                                                                                                   |      |                    |
| CPR harmonised standard                                                                                                              | EN 16510-1:2022 - EN 16510-2-1:2022                                                                                                                                                                                 |      |                    |
| Notified body                                                                                                                        | KIWA CERMET ITALIA S.P.A.(N.B.0476)                                                                                                                                                                                 |      |                    |
| Preferred fuel (unique)                                                                                                              | Compressed wood with moisture content < 12 %                                                                                                                                                                        | NO   |                    |
|                                                                                                                                      | Wood logs with moisture content ≤ 25 %                                                                                                                                                                              | YES  |                    |
|                                                                                                                                      | Other woody biomass                                                                                                                                                                                                 | NO   |                    |
| $\eta_s$                                                                                                                             |                                                                                                                                                                                                                     | 74   | %                  |
| EEI                                                                                                                                  |                                                                                                                                                                                                                     | 112  | -                  |
| Energy Efficiency Class (A++ to G scale)                                                                                             |                                                                                                                                                                                                                     | A+   |                    |
| Space heating emissions at nominal heat output                                                                                       | PM (al 13% O <sub>2</sub> )                                                                                                                                                                                         | 25   | mg/Nm <sup>3</sup> |
|                                                                                                                                      | OGC (al 13% O <sub>2</sub> )                                                                                                                                                                                        | 50   | mg/Nm <sup>3</sup> |
|                                                                                                                                      | CO (al 13% O <sub>2</sub> )                                                                                                                                                                                         | 990  | mg/Nm <sup>3</sup> |
|                                                                                                                                      | NO <sub>x</sub> (al 13% O <sub>2</sub> )                                                                                                                                                                            | 99   | mg/Nm <sup>3</sup> |
| Space heating emissions at minimum heat output<br><i>Only required if correction factors F(2) or F(3) are applied</i>                | PM (al 13% O <sub>2</sub> )                                                                                                                                                                                         | -    | mg/Nm <sup>3</sup> |
|                                                                                                                                      | OGC (al 13% O <sub>2</sub> )                                                                                                                                                                                        | -    | mg/Nm <sup>3</sup> |
|                                                                                                                                      | CO (al 13% O <sub>2</sub> )                                                                                                                                                                                         | -    | mg/Nm <sup>3</sup> |
|                                                                                                                                      | NO <sub>x</sub> (al 13% O <sub>2</sub> )                                                                                                                                                                            | -    | mg/Nm <sup>3</sup> |
| Heat output                                                                                                                          | Nominal heat output (P <sub>nom</sub> )                                                                                                                                                                             | 8    | kW                 |
|                                                                                                                                      | Minimum heat output (indicative) (P <sub>min</sub> )                                                                                                                                                                | -    | kW                 |
| Useful efficiency (NCV as received)                                                                                                  | Useful efficiency at nominal heat output ( $\eta_{th, nom}$ )                                                                                                                                                       | 84   | %                  |
|                                                                                                                                      | Useful efficiency at minimum heat output (indicative) ( $\eta_{th, min}$ )                                                                                                                                          | -    | %                  |
| Auxiliary electricity consumption                                                                                                    | At nominal heat output (el <sub>max</sub> )                                                                                                                                                                         | -    | kW                 |
|                                                                                                                                      | At minimum heat output (el <sub>min</sub> )                                                                                                                                                                         | -    | kW                 |
|                                                                                                                                      | In standby mode (el <sub>sb</sub> )                                                                                                                                                                                 | -    | kW                 |
| 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                                                                                                                                                            | NO   |                    |
| 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                                                                                                                                                                                        | NO   |                    |
| Permanent pilot flame power requirement                                                                                              | Pilot flame power requirement (if applicable) (P <sub>pilot</sub> )                                                                                                                                                 | N.A. | kW                 |
| <b>Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product.</b> |                                                                                                                                                                                                                     |      |                    |
| Issue date: 01.07.2025                                                                                                               | Legal Representative<br><b>CADEL s.r.l.</b><br>Via Foresto Sud, 7 - 31026 SANTA LUCIA DI PIAVE (TV)<br>Tel. 0438 738669 - Fax 0438 73343<br>Partita IVA 03228710265<br>R.E.A. TV 227665 - Reg. Soc. Trib. TV 185949 |      |                    |

# 14 TECHNICAL DOCUMENTATION FOR LOCAL SPACE HEATERS ACCORDING TO COMMISSION REGULATIONS (EU) 2015/1185 - (EU) 2015/1186 (PRODUCT FICHE)

|                                                                                                                                      |                                                                                                                                                                                                                     |       |                    |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------|
| Manufacturer                                                                                                                         | CADEL srl - Via Martiri della Libertà 74 - 31025 Santa Lucia di Piave (TV) - Italy                                                                                                                                  |       |                    |
| Trademark: model identifier                                                                                                          | CADEL: SPIN 8 WOOD AIR T1<br>FREEPOINT: EOS 8 WOOD AIR T1                                                                                                                                                           |       |                    |
| Description                                                                                                                          | Wood stoves                                                                                                                                                                                                         |       |                    |
| Indirect heating functionality                                                                                                       | No                                                                                                                                                                                                                  |       |                    |
| Direct heat output                                                                                                                   | 8 kW                                                                                                                                                                                                                |       |                    |
| Indirect heat output                                                                                                                 | -                                                                                                                                                                                                                   |       |                    |
| CPR harmonised standard                                                                                                              | EN 16510-1:2022 - EN 16510-2-1:2022                                                                                                                                                                                 |       |                    |
| Notified body                                                                                                                        | KIWA CERMET ITALIA S.P.A.(N.B.0476)                                                                                                                                                                                 |       |                    |
| Preferred fuel (unique)                                                                                                              | Compressed wood with moisture content < 12 %                                                                                                                                                                        | NO    |                    |
|                                                                                                                                      | Wood logs with moisture content ≤ 25 %                                                                                                                                                                              | YES   |                    |
|                                                                                                                                      | Other woody biomass                                                                                                                                                                                                 | NO    |                    |
| $\eta_s$                                                                                                                             |                                                                                                                                                                                                                     | 74    | %                  |
| EEL                                                                                                                                  |                                                                                                                                                                                                                     | 112   | -                  |
| Energy Efficiency Class (A++ to G scale)                                                                                             |                                                                                                                                                                                                                     | A+    |                    |
| Space heating emissions at nominal heat output                                                                                       | PM (al 13% O <sub>2</sub> )                                                                                                                                                                                         | 25    | mg/Nm <sup>3</sup> |
|                                                                                                                                      | OGC (al 13% O <sub>2</sub> )                                                                                                                                                                                        | 50    | mg/Nm <sup>3</sup> |
|                                                                                                                                      | CO (al 13% O <sub>2</sub> )                                                                                                                                                                                         | 990   | mg/Nm <sup>3</sup> |
|                                                                                                                                      | NO <sub>x</sub> (al 13% O <sub>2</sub> )                                                                                                                                                                            | 99    | mg/Nm <sup>3</sup> |
| Space heating emissions at minimum heat output<br><i>Only required if correction factors F(2) or F(3) are applied</i>                | PM (al 13% O <sub>2</sub> )                                                                                                                                                                                         | -     | mg/Nm <sup>3</sup> |
|                                                                                                                                      | OGC (al 13% O <sub>2</sub> )                                                                                                                                                                                        | -     | mg/Nm <sup>3</sup> |
|                                                                                                                                      | CO (al 13% O <sub>2</sub> )                                                                                                                                                                                         | -     | mg/Nm <sup>3</sup> |
|                                                                                                                                      | NO <sub>x</sub> (al 13% O <sub>2</sub> )                                                                                                                                                                            | -     | mg/Nm <sup>3</sup> |
| Heat output                                                                                                                          | Nominal heat output (P <sub>nom</sub> )                                                                                                                                                                             | 8     | kW                 |
|                                                                                                                                      | Minimum heat output (indicative) (P <sub>min</sub> )                                                                                                                                                                | -     | kW                 |
| Useful efficiency (NCV as received)                                                                                                  | Useful efficiency at nominal heat output ( $\eta_{th, nom}$ )                                                                                                                                                       | 84    | %                  |
|                                                                                                                                      | Useful efficiency at minimum heat output (indicative) ( $\eta_{th, min}$ )                                                                                                                                          | -     | %                  |
| Auxiliary electricity consumption                                                                                                    | At nominal heat output (el <sub>max</sub> )                                                                                                                                                                         | 0.020 | kW                 |
|                                                                                                                                      | At minimum heat output (el <sub>min</sub> )                                                                                                                                                                         | -     | kW                 |
|                                                                                                                                      | In standby mode (el <sub>sb</sub> )                                                                                                                                                                                 | -     | kW                 |
| 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                                                                                                                                                            | NO    |                    |
| 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                                                                                                                                                                                        | NO    |                    |
| Permanent pilot flame power requirement                                                                                              | Pilot flame power requirement (if applicable) (P <sub>pilot</sub> )                                                                                                                                                 | N.A.  | kW                 |
| <b>Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product.</b> |                                                                                                                                                                                                                     |       |                    |
| Issue date: 01.07.2025                                                                                                               | Legal Representative<br><b>CADEL s.r.l.</b><br>Via Foreste Sud, 7 - 31026 SANTA LUCIA DI PIAVE (TV)<br>Tel. 0438 738669 - Fax 0438 73343<br>Partita IVA 03228710265<br>R.E.A. TV 227665 - Reg. Soc. Trib. TV 185949 |       |                    |

# 15 TECHNICAL DOCUMENTATION FOR LOCAL SPACE HEATERS ACCORDING TO COMMISSION REGULATIONS (EU) 2015/1185 - (EU) 2015/1186 (PRODUCT FICHE)

|                                                                                                                                      |                                                                                                                                                                                                                     |      |                    |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|
| Manufacturer                                                                                                                         | CADEL srl - Via Martiri della Libertà 74 - 31025 Santa Lucia di Piave (TV) - Italy                                                                                                                                  |      |                    |
| Trademark: model identifier                                                                                                          | CADEL: SPIN 9 WOOD T2<br>FREEPOINT: EOS 9 WOOD T2                                                                                                                                                                   |      |                    |
| Description                                                                                                                          | Wood stoves                                                                                                                                                                                                         |      |                    |
| Indirect heating functionality                                                                                                       | No                                                                                                                                                                                                                  |      |                    |
| Direct heat output                                                                                                                   | 9 kW                                                                                                                                                                                                                |      |                    |
| Indirect heat output                                                                                                                 | -                                                                                                                                                                                                                   |      |                    |
| CPR harmonised standard                                                                                                              | EN 16510-1:2022 - EN 16510-2-1:2022                                                                                                                                                                                 |      |                    |
| Notified body                                                                                                                        | KIWA CERMET ITALIA S.P.A.(N.B.0476)                                                                                                                                                                                 |      |                    |
| Preferred fuel (unique)                                                                                                              | Compressed wood with moisture content < 12 %                                                                                                                                                                        | NO   |                    |
|                                                                                                                                      | Wood logs with moisture content ≤ 25 %                                                                                                                                                                              | YES  |                    |
|                                                                                                                                      | Other woody biomass                                                                                                                                                                                                 | NO   |                    |
| $\eta_s$                                                                                                                             |                                                                                                                                                                                                                     | 76   | %                  |
| EEL                                                                                                                                  |                                                                                                                                                                                                                     | 115  | -                  |
| Energy Efficiency Class (A++ to G scale)                                                                                             |                                                                                                                                                                                                                     | A+   |                    |
| Space heating emissions at nominal heat output                                                                                       | PM (al 13% O <sub>2</sub> )                                                                                                                                                                                         | 12   | mg/Nm <sup>3</sup> |
|                                                                                                                                      | OGC (al 13% O <sub>2</sub> )                                                                                                                                                                                        | 25   | mg/Nm <sup>3</sup> |
|                                                                                                                                      | CO (al 13% O <sub>2</sub> )                                                                                                                                                                                         | 500  | mg/Nm <sup>3</sup> |
|                                                                                                                                      | NO <sub>x</sub> (al 13% O <sub>2</sub> )                                                                                                                                                                            | 98   | mg/Nm <sup>3</sup> |
| Space heating emissions at minimum heat output<br><i>Only required if correction factors F(2) or F(3) are applied</i>                | PM (al 13% O <sub>2</sub> )                                                                                                                                                                                         | -    | mg/Nm <sup>3</sup> |
|                                                                                                                                      | OGC (al 13% O <sub>2</sub> )                                                                                                                                                                                        | -    | mg/Nm <sup>3</sup> |
|                                                                                                                                      | CO (al 13% O <sub>2</sub> )                                                                                                                                                                                         | -    | mg/Nm <sup>3</sup> |
|                                                                                                                                      | NO <sub>x</sub> (al 13% O <sub>2</sub> )                                                                                                                                                                            | -    | mg/Nm <sup>3</sup> |
| Heat output                                                                                                                          | Nominal heat output (P <sub>nom</sub> )                                                                                                                                                                             | 9    | kW                 |
|                                                                                                                                      | Minimum heat output (indicative) (P <sub>min</sub> )                                                                                                                                                                | -    | kW                 |
| Useful efficiency (NCV as received)                                                                                                  | Useful efficiency at nominal heat output ( $\eta_{th, nom}$ )                                                                                                                                                       | 86   | %                  |
|                                                                                                                                      | Useful efficiency at minimum heat output (indicative) ( $\eta_{th, min}$ )                                                                                                                                          | -    | %                  |
| Auxiliary electricity consumption                                                                                                    | At nominal heat output (el <sub>max</sub> )                                                                                                                                                                         | -    | kW                 |
|                                                                                                                                      | At minimum heat output (el <sub>min</sub> )                                                                                                                                                                         | -    | kW                 |
|                                                                                                                                      | In standby mode (el <sub>sb</sub> )                                                                                                                                                                                 | -    | kW                 |
| 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                                                                                                                                                            | NO   |                    |
| 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                                                                                                                                                                                        | NO   |                    |
| Permanent pilot flame power requirement                                                                                              | Pilot flame power requirement (if applicable) (P <sub>pilot</sub> )                                                                                                                                                 | N.A. | kW                 |
| <b>Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product.</b> |                                                                                                                                                                                                                     |      |                    |
| Issue date: 01.07.2025                                                                                                               | Legal Representative<br><b>CADEL s.r.l.</b><br>Via Foresto Sud, 7 - 31026 SANTA LUCIA DI PIAVE (TV)<br>Tel. 0438 738669 - Fax 0438 73343<br>Partita IVA 03228210265<br>R.E.A. TV 227665 - Reg. Soc. Trib. TV 185949 |      |                    |

# 16 TECHNICAL DOCUMENTATION FOR LOCAL SPACE HEATERS ACCORDING TO COMMISSION REGULATIONS (EU) 2015/1185 - (EU) 2015/1186 (PRODUCT FICHE)

|                                                                                                                                      |                                                                                                                                                                                                                     |       |                    |
|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------|
| Manufacturer                                                                                                                         | CADEL srl - Via Martiri della Libertà 74 - 31025 Santa Lucia di Piave (TV) - Italy                                                                                                                                  |       |                    |
| Trademark: model identifier                                                                                                          | CADEL: SPIN 9 WOOD AIR T2<br>FREEPOINT: EOS 9 WOOD AIR T2                                                                                                                                                           |       |                    |
| Description                                                                                                                          | Wood stoves                                                                                                                                                                                                         |       |                    |
| Indirect heating functionality                                                                                                       | No                                                                                                                                                                                                                  |       |                    |
| Direct heat output                                                                                                                   | 9 kW                                                                                                                                                                                                                |       |                    |
| Indirect heat output                                                                                                                 | -                                                                                                                                                                                                                   |       |                    |
| CPR harmonised standard                                                                                                              | EN 16510-1:2022 - EN 16510-2-1:2022                                                                                                                                                                                 |       |                    |
| Notified body                                                                                                                        | KIWA CERMET ITALIA S.P.A.(N.B.0476)                                                                                                                                                                                 |       |                    |
| Preferred fuel (unique)                                                                                                              | Compressed wood with moisture content < 12 %                                                                                                                                                                        | NO    |                    |
|                                                                                                                                      | Wood logs with moisture content ≤ 25 %                                                                                                                                                                              | YES   |                    |
|                                                                                                                                      | Other woody biomass                                                                                                                                                                                                 | NO    |                    |
| $\eta_s$                                                                                                                             |                                                                                                                                                                                                                     | 76    | %                  |
| EEI                                                                                                                                  |                                                                                                                                                                                                                     | 115   | -                  |
| Energy Efficiency Class (A++ to G scale)                                                                                             |                                                                                                                                                                                                                     | A+    |                    |
| Space heating emissions at nominal heat output                                                                                       | PM (al 13% O <sub>2</sub> )                                                                                                                                                                                         | 12    | mg/Nm <sup>3</sup> |
|                                                                                                                                      | OGC (al 13% O <sub>2</sub> )                                                                                                                                                                                        | 25    | mg/Nm <sup>3</sup> |
|                                                                                                                                      | CO (al 13% O <sub>2</sub> )                                                                                                                                                                                         | 500   | mg/Nm <sup>3</sup> |
|                                                                                                                                      | NO <sub>x</sub> (al 13% O <sub>2</sub> )                                                                                                                                                                            | 98    | mg/Nm <sup>3</sup> |
| Space heating emissions at minimum heat output<br><i>Only required if correction factors F(2) or F(3) are applied</i>                | PM (al 13% O <sub>2</sub> )                                                                                                                                                                                         | -     | mg/Nm <sup>3</sup> |
|                                                                                                                                      | OGC (al 13% O <sub>2</sub> )                                                                                                                                                                                        | -     | mg/Nm <sup>3</sup> |
|                                                                                                                                      | CO (al 13% O <sub>2</sub> )                                                                                                                                                                                         | -     | mg/Nm <sup>3</sup> |
|                                                                                                                                      | NO <sub>x</sub> (al 13% O <sub>2</sub> )                                                                                                                                                                            | -     | mg/Nm <sup>3</sup> |
| Heat output                                                                                                                          | Nominal heat output (P <sub>nom</sub> )                                                                                                                                                                             | 9     | kW                 |
|                                                                                                                                      | Minimum heat output (indicative) (P <sub>min</sub> )                                                                                                                                                                | -     | kW                 |
| Useful efficiency (NCV as received)                                                                                                  | Useful efficiency at nominal heat output ( $\eta_{th, nom}$ )                                                                                                                                                       | 86    | %                  |
|                                                                                                                                      | Useful efficiency at minimum heat output (indicative) ( $\eta_{th, min}$ )                                                                                                                                          | -     | %                  |
| Auxiliary electricity consumption                                                                                                    | At nominal heat output (el <sub>max</sub> )                                                                                                                                                                         | 0.020 | kW                 |
|                                                                                                                                      | At minimum heat output (el <sub>min</sub> )                                                                                                                                                                         | -     | kW                 |
|                                                                                                                                      | In standby mode (el <sub>sb</sub> )                                                                                                                                                                                 | -     | kW                 |
| 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                                                                                                                                                            | NO    |                    |
| 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                                                                                                                                                                                        | NO    |                    |
| Permanent pilot flame power requirement                                                                                              | Pilot flame power requirement (if applicable) (P <sub>pilot</sub> )                                                                                                                                                 | N.A.  | kW                 |
| <b>Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product.</b> |                                                                                                                                                                                                                     |       |                    |
| Issue date: 01.07.2025                                                                                                               | Legal Representative<br><b>CADEL s.r.l.</b><br>Via Foreste Sud, 7 - 31026 SANTA LUCIA DI PIAVE (TV)<br>Tel. 0438 738669 - Fax 0438 73343<br>Partita IVA 03228710265<br>R.E.A. TV 227665 - Reg. Soc. Trib. TV 185949 |       |                    |

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Rev. 00 - 2025

CADEL srl  
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[www.cadelsrl.com](http://www.cadelsrl.com)  
[www.free-point.it](http://www.free-point.it)