

USER MANUAL

Wood Stove



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SPIN wood - EOS wood

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1 MANUAL SIMBOLOGY

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

- 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 16510-1:2022 / EN 16510-2-1:2022 : "Residential space heating appliances fired by wood pellets"

EN 16510-1:2022 / EN 16510-2-3:2022 : "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
- www.free-point.it
- 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.

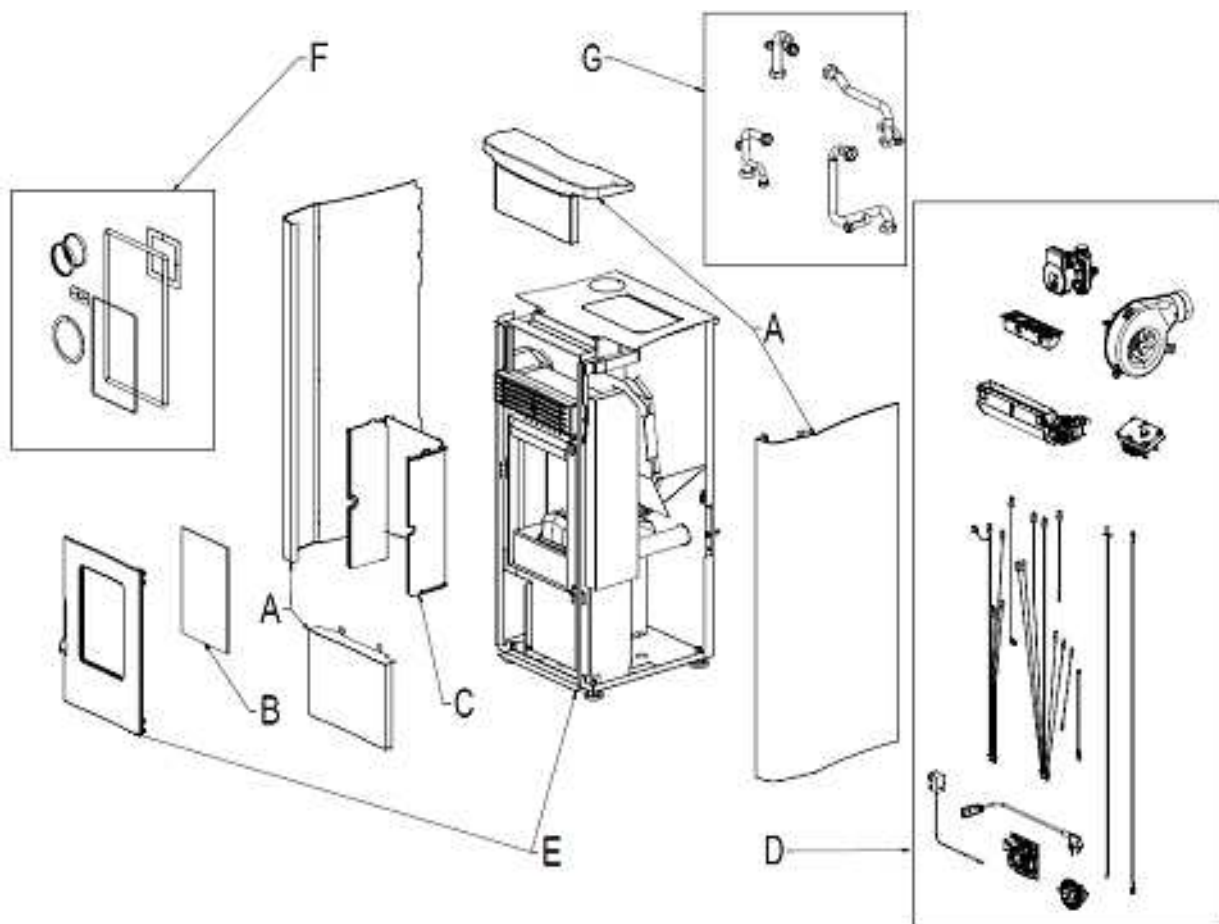


Fig. 2 - Exploded drawing

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 Insulation, vermiculite and refractory materials that have come into contact with flames or exhaust gases (dispose of in mixed waste)
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 - WOOD CAGE - WOOD PALLET	WOOD FOR 50		SORTED waste collection
			WOOD
			Check with the competent body on how to dispose of this packaging at the recycling depot
- CARDBOARD BOX - CARDBOARD CORNER - CARDBOARD SHEET	CORRUGATED CARDBOARD PAP 20		SORTED waste collection
			PAPER
			Check the instructions of the competent body
- CARDBOARD CORNER	NOT CORRUGATED CARDBOARD PAP 21		SORTED waste collection
			PAPER
			Check the instructions of the competent body
- LABELS - INSTRUCTION MANUAL	PAPER PAP 22		SORTED waste collection
			PAPER
			Check the instructions of the competent body
- APPLIANCE BAG	POLYETHYLENE HD-PE 2		SORTED waste collection
			PLASTIC
			Check the instructions of the competent body
- APPLIANCE BAG - BAG OF ACCESSORIES - BUBBLE WRAP - PROTECTIVE SHEET - LABELS	POLYETHYLENE LD PE 04		SORTED waste collection
			PLASTIC
			Check the instructions of the competent body
- POLYSTYRENE - FOAM PEANUTS	POLYSTYRENE PS 6		SORTED waste collection
			PLASTIC
			Check the instructions of the competent body
- STRAP - TAPE	POLYPROPYLENE PP 5		SORTED waste collection
			PLASTIC
			Check the instructions of the competent body.
- SCREWS - STAPLES FOR STRAP - FASTENING BRACKET	IRON 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

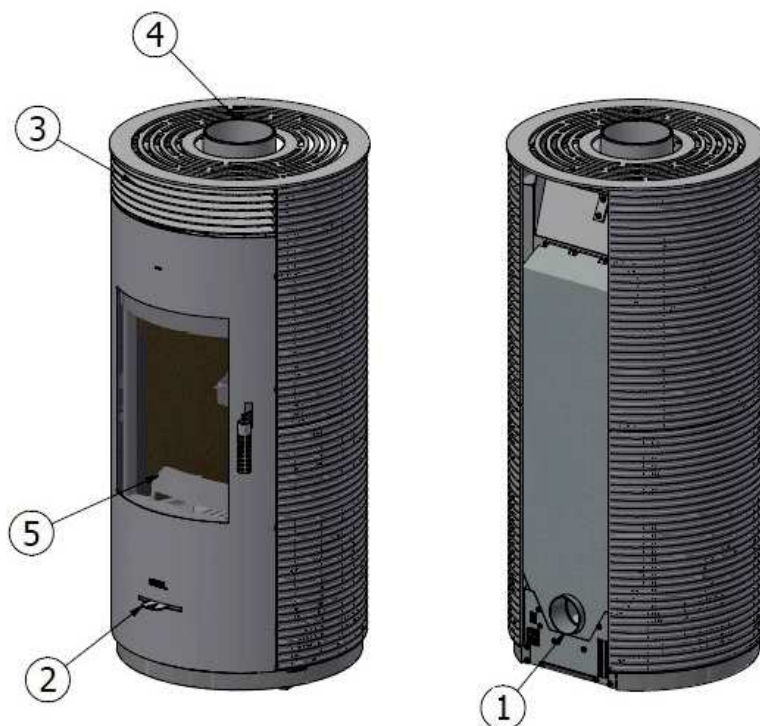


Fig. 3 - SPIN - EOS - Wood

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				
EU Standard EN 16510-1:2022 / EN 16510-2-1:2022				
GENERAL	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	η_s
NOMINAL	Nominal heat input	Pinputnom	9,5	kW
	Nominal heat output	Pnom	8,0	kW
	Nominal space heat output	PSHnom		kW
	Nominal water heat output	PWnom		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	η_{nom}	53	min
	Efficiency at nominal heat output	η_{nom}	84	%
	CO ₂ at nominal heat output	CO ₂ nom	8,4	%
	CO (%) at 13% O ₂ at nominal heat output	CO%nom (13% O ₂)	0,08	% (13% O ₂)
	CO at 13% O ₂ at nominal heat output	COnom (13% O ₂)	990	mg/m ³ (13% O ₂)
	NO _x at 13% O ₂ at nominal heat output	NO _x nom (13% O ₂)	99	mg/m ³ (13% O ₂)
	OGC at 13% O ₂ at nominal heat output	OGCnom (13% O ₂)	50	mg/m ³ (13% O ₂)
	PM at 13% O ₂ at nominal heat output	PMnom (13% O ₂)	25	mg/m ³ (13% O ₂)
	Flue gas outlet temperature at nominal heat output ^{***}	Tsnom	230	°C
	Minimum flue draught at nominal heat output ^{***}	pnom	10	Pa
	Flue gas mass flow at nominal heat output	$\phi_{f,g}$ 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
	Cycle load at partial heat output	η_{part}		%
	Cycle duration at partial heat output	CO ₂ part		%
	Efficiency at part load heat output	CO%part (13% O ₂)		% (13% O ₂)
	CO ₂ at partial load heat output	COpart (13% O ₂)		mg/m ³ (13% O ₂)
	CO (%) at 13% O ₂ at partial load heat output	NO _x part (13% O ₂)		mg/m ³ (13% O ₂)
	CO at 13% O ₂ at partial load heat output	OGCpart (13% O ₂)		mg/m ³ (13% O ₂)
	NO _x at 13% O ₂ at part load heat output	PMpart (13% O ₂)		mg/m ³ (13% O ₂)
	OGC at 13% O ₂ at part load heat output	Tspart		°C
	PM at 13 % O ₂ at part load heat output	ppart		Pa
	Flue gas outlet temperature at part load heat output ^{**}	$\phi_{f,g}$ part		g/s
	Minimum flue draught at partial load heat output ^{***}	Tclass	T400G	
	Flue gas mass flow at part load heat output	mchim	30	kg

INSTALLATION	Chimney designation	Vh		m3/h
	Maximum load of a chimney over the appliance			mm
	Standing air loss		224	m3
	Air heating outlet diameter	dR	200	mm
	Heatable volume (with respective requirement of 20/35/55 W/ m3)	dS	350	mm
	Minimum distance to combustible materials (rear)	dB	0	mm
	Minimum distance to combustible materials (side)	dC	800	mm
	Minimum distance to combustible materials (bottom)	dnon		mm
	Minimum distance to combustible materials (ceiling)	s		mm
	Minimum distance to non-combustible walls	λd		W/mK
	Added protective insulation	dP	1200	mm
	Thermal conductivity additional insulation	dF	600	mm
	Minimum distance to combustible materials (radiant front)	dL	400	mm
	Minimum distance to combustible materials (radiant bottom)	elmax	0	W
	Minimum distance to combustible materials (radiant side)	elmin	0	W
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	eSB	0,0	W
	Power supply voltage - frequency	E - f		V - Hz
HYDRO	Boiler liters content	Boilervol		
	Permissible maximum water operating pressure	pW		
	Max setting temperature boiler	TH20set		
** 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				

Marchio: CADEL				
Modello: SPIN 8 WOOD T1				
DIMENSIONS	Width of the appliance	W	52,5	mm
	Depth of the appliance	L	53	mm
	Height of the appliance	H	110	mm
	Mass of the appliance	m	150	kg
	Pellet tank capacity*	Tankkg		kg
	Pellet tank autonomy at nominal heat output*	Autnom	2,1	h
	Pellet tank autonomy at partial load heat output*	Autpart	53	h
	Ventilation air intake section (cm2)		100	cm2
	Combustion air inlet diameter (mm)		80	mm
	Diameter of the flue gas outlet	dout	150	mm
* Values that can vary due to the used combustible				
Marchio: FreePoint				
Modello: EOS 8 WOOD T1				
DIMENSIONS	Width of the appliance	W	52,5	mm
	Depth of the appliance	L	53	mm
	Height of the appliance	H	110	mm
	Mass of the appliance	m	108	kg
	Pellet tank capacity*	Tankkg		kg
	Pellet tank autonomy at nominal heat output*	Autnom	2,1	h
	Pellet tank autonomy at partial load heat output*	Autpart	53	h
	Ventilation air intake section (cm2)		100	cm2
	Combustion air inlet diameter (mm)		80	mm
	Diameter of the flue gas outlet	dout	150	mm
* Values that can vary due to the used combustible				

Brand: CADEL				
Model: SPIN 8 WOOD AIR T1				
Derived models: EOS 8 WOOD AIR T1				
EU Standard EN 16510-1:2022 / EN 16510-2-1:2022				
GENERAL	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	η_s
NOMINAL	Nominal heat input	Pinputnom	9,5	kW
	Nominal heat output	Pnom	8,0	kW
	Nominal space heat output	PSHnom		kW
	Nominal water heat output	PWnom		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	η_{nom}	53	min
	Efficiency at nominal heat output	η_{nom}	84	%
	CO ₂ at nominal heat output	CO ₂ nom	8,4	%
	CO (%) at 13% O ₂ at nominal heat output	CO%nom (13% O ₂)	0,08	% (13% O ₂)
	CO at 13% O ₂ at nominal heat output	COnom (13% O ₂)	990	mg/m ³ (13% O ₂)
	NO _x at 13% O ₂ at nominal heat output	NO _x nom (13% O ₂)	99	mg/m ³ (13% O ₂)
	OGC at 13% O ₂ at nominal heat output	OGCnom (13% O ₂)	50	mg/m ³ (13% O ₂)
	PM at 13% O ₂ at nominal heat output	PMnom (13% O ₂)	25	mg/m ³ (13% O ₂)
	Flue gas outlet temperature at nominal heat output**	Tsnom	230	°C
	Minimum flue draught at nominal heat output***	pnom	10	Pa
	Flue gas mass flow at nominal heat output	$\phi_{f,g}$ 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
	Cycle load at partial heat output	η_{part}		%
	Cycle duration at partial heat output	CO ₂ part		%
	Efficiency at part load heat output	CO%part (13% O ₂)		% (13% O ₂)
	CO ₂ at partial load heat output	COpart (13% O ₂)		mg/m ³ (13% O ₂)
	CO (%) at 13% O ₂ at partial load heat output	NO _x part (13% O ₂)		mg/m ³ (13% O ₂)
	CO at 13% O ₂ at partial load heat output	OGCpart (13% O ₂)		mg/m ³ (13% O ₂)
	NO _x at 13% O ₂ at part load heat output	PMpart (13% O ₂)		mg/m ³ (13% O ₂)
	OGC at 13% O ₂ at part load heat output	Tspart		°C
	PM at 13 % O ₂ at part load heat output	ppart		Pa
	Flue gas outlet temperature at part load heat output**	$\phi_{f,g}$ part		g/s
	Minimum flue draught at partial load heat output***	Tclass	T400G	
	Flue gas mass flow at part load heat output	mchim	30	kg
INSTALLATION	Chimney designation	Vh		m ³ /h
	Maximum load of a chimney over the appliance			mm
	Standing air loss		224	m ³
	Air heating outlet diameter	dR	200	mm
	Heatable volume (with respective requirement of 20/35/55 W/m ³)	dS	350	mm
	Minimum distance to combustible materials (rear)	dB	0	mm
	Minimum distance to combustible materials (side)	dC	800	mm
	Minimum distance to combustible materials (bottom)	dnom		mm
	Minimum distance to combustible materials (ceiling)	s		mm
	Minimum distance to non-combustible walls	λ_d		W/mK
	Added protective insulation	dP	1200	mm
	Thermal conductivity additional insulation	dF	600	mm
	Minimum distance to combustible materials (radiant front)	dL	400	mm
	Minimum distance to combustible materials (radiant bottom)	elmax	20	W
	Minimum distance to combustible materials (radiant side)	elmin	0	W

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 - frequency	E - f	230-50	V - Hz
HYDRO	Boiler liters content	Boilervol		
	Permissible maximum water operating pressure	pW		
	Max setting temperature boiler	TH20set		
** 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				

Marchio: CADEL				
Modello: SPIN 8 WOOD AIR T1				
DIMENSIONS	Width of the appliance	W	52,5	mm
	Depth of the appliance	L	53	mm
	Height of the appliance	H	110	mm
	Mass of the appliance	m	153	kg
	Pellet tank capacity*	Tankkg		kg
	Pellet tank autonomy at nominal heat output*	Autnom	2,1	h
	Pellet tank autonomy at partial load heat output*	Autpart	53	h
	Ventilation air intake section (cm2)		100	cm2
	Combustion air inlet diameter (mm)		80	mm
	Diameter of the flue gas outlet	dout	150	mm
* Values that can vary due to the used combustible				
Marchio: FreePoint				
Modello: EOS 8 WOOD AIR T1				
DIMENSIONS	Width of the appliance	W	52,5	mm
	Depth of the appliance	L	53	mm
	Height of the appliance	H	110	mm
	Mass of the appliance	m	111	kg
	Pellet tank capacity*	Tankkg		kg
	Pellet tank autonomy at nominal heat output*	Autnom	2,1	h
	Pellet tank autonomy at partial load heat output*	Autpart	53	h
	Ventilation air intake section (cm2)		100	cm2
	Combustion air inlet diameter (mm)		80	mm
	Diameter of the flue gas outlet	dout	150	mm
* Values that can vary due to the used combustible				

Brand: CADEL				
Model: SPIN 9 WOOD T2				
Derived models: EOS 9 WOOD T2				
EU Standard EN 16510-1:2022 / EN 16510-2-1:2022				
GENERAL	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	η_s
NOMINAL	Nominal heat input	Pinputnom	10,5	kW
	Nominal heat output	Pnom	9,0	kW
	Nominal space heat output	PSHnom		kW
	Nominal water heat output	PWnom		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	η_{nom}	48	min
	Efficiency at nominal heat output	η_{nom}	86	%
	CO ₂ at nominal heat output	CO ₂ nom	9,2	%
	CO (%) at 13% O ₂ at nominal heat output	CO%nom (13% O ₂)	0,04	% (13% O ₂)
	CO at 13% O ₂ at nominal heat output	COnom (13% O ₂)	500	mg/m ³ (13% O ₂)
	NO _x at 13% O ₂ at nominal heat output	NO _x nom (13% O ₂)	98	mg/m ³ (13% O ₂)
	OGC at 13% O ₂ at nominal heat output	OGCnom (13% O ₂)	25	mg/m ³ (13% O ₂)
	PM at 13% O ₂ at nominal heat output	PMnom (13% O ₂)	12	mg/m ³ (13% O ₂)
	Flue gas outlet temperature at nominal heat output**	T _{snom}	228	°C
	Minimum flue draught at nominal heat output***	p _{nom}	10	Pa
	Flue gas mass flow at nominal heat output	$\phi_{f,g}$ 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
	Cycle load at partial heat output	η_{part}		%
	Cycle duration at partial heat output	CO ₂ part		%
	Efficiency at part load heat output	CO%part (13% O ₂)		% (13% O ₂)
	CO ₂ at partial load heat output	COpart (13% O ₂)		mg/m ³ (13% O ₂)
	CO (%) at 13% O ₂ at partial load heat output	NO _x part (13% O ₂)		mg/m ³ (13% O ₂)
	CO at 13% O ₂ at partial load heat output	OGCpart (13% O ₂)		mg/m ³ (13% O ₂)
	NO _x at 13% O ₂ at part load heat output	PMpart (13% O ₂)		mg/m ³ (13% O ₂)
	OGC at 13% O ₂ at part load heat output	T _s part		°C
	PM at 13 % O ₂ at part load heat output	p _{part}		Pa
	Flue gas outlet temperature at part load heat output**	$\phi_{f,g}$ part		g/s
	Minimum flue draught at partial load heat output***	T _{class}	T400G	
	Flue gas mass flow at part load heat output	m _{chim}	30	kg
INSTALLATION	Chimney designation	V _h		m ³ /h
	Maximum load of a chimney over the appliance			mm
	Standing air loss		252	m ³
	Air heating outlet diameter	d _R	200	mm
	Heatable volume (with respective requirement of 20/35/55 W/m ³)	d _S	350	mm
	Minimum distance to combustible materials (rear)	d _B	0	mm
	Minimum distance to combustible materials (side)	d _C	800	mm
	Minimum distance to combustible materials (bottom)	d _{non}		mm
	Minimum distance to combustible materials (ceiling)	s		mm
	Minimum distance to non-combustible walls	λ_d		W/mK
	Added protective insulation	d _P	1200	mm
	Thermal conductivity additional insulation	d _F	600	mm
	Minimum distance to combustible materials (radiant front)	d _L	400	mm
	Minimum distance to combustible materials (radiant bottom)	e _{lmax}	0	W
	Minimum distance to combustible materials (radiant side)	e _{lmin}	0	W

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 - frequency	E - f		V - Hz
HYDRO	Boiler liters content	Boilervol		
	Permissible maximum water operating pressure	pW		
	Max setting temperature boiler	TH20set		
** 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				

Marchio: CADEL				
Modello: SPIN 9 WOOD T2				
DIMENSIONS	Width of the appliance	W	52,5	mm
	Depth of the appliance	L	53	mm
	Height of the appliance	H	110	mm
	Mass of the appliance	m	150	kg
	Pellet tank capacity*	Tankkg		kg
	Pellet tank autonomy at nominal heat output*	Autnom	1,9	h
	Pellet tank autonomy at partial load heat output*	Autpart	48	h
	Ventilation air intake section (cm2)		100	cm2
	Combustion air inlet diameter (mm)		80	mm
	Diameter of the flue gas outlet	dout	150	mm
* Values that can vary due to the used combustible				
Marchio: FreePoint				
Modello: EOS 9 WOOD T2				
DIMENSIONS	Width of the appliance	W	52,5	mm
	Depth of the appliance	L	53	mm
	Height of the appliance	H	110	mm
	Mass of the appliance	m	111	kg
	Pellet tank capacity*	Tankkg		kg
	Pellet tank autonomy at nominal heat output*	Autnom	1,9	h
	Pellet tank autonomy at partial load heat output*	Autpart	48	h
	Ventilation air intake section (cm2)		100	cm2
	Combustion air inlet diameter (mm)		80	mm
	Diameter of the flue gas outlet	dout	150	mm
* Values that can vary due to the used combustible				

Brand: CADEL				
Model: SPIN 9 WOOD AIR T2				
Derived models: EOS 9 WOOD AIR T2				
EU Standard EN 16510-1:2022 / EN 16510-2-1:2022				
GENERAL	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	η_s
NOMINAL	Nominal heat input	Pinputnom	10,5	kW
	Nominal heat output	Pnom	9,0	kW
	Nominal space heat output	PSHnom		kW
	Nominal water heat output	PWnom		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	η_{nom}	48	min
	Efficiency at nominal heat output	η_{nom}	86	%
	CO ₂ at nominal heat output	CO ₂ nom	9,2	%
	CO (%) at 13% O ₂ at nominal heat output	CO%nom (13% O ₂)	0,04	% (13% O ₂)
	CO at 13% O ₂ at nominal heat output	COnom (13% O ₂)	500	mg/m ³ (13% O ₂)
	NO _x at 13% O ₂ at nominal heat output	NO _x nom (13% O ₂)	98	mg/m ³ (13% O ₂)
	OGC at 13% O ₂ at nominal heat output	OGCnom (13% O ₂)	25	mg/m ³ (13% O ₂)
	PM at 13% O ₂ at nominal heat output	PMnom (13% O ₂)	12	mg/m ³ (13% O ₂)
	Flue gas outlet temperature at nominal heat output**	T _{snom}	228	°C
	Minimum flue draught at nominal heat output***	p _{nom}	10	Pa
	Flue gas mass flow at nominal heat output	$\phi_{f,g}$ 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
	Cycle load at partial heat output	η_{part}		%
	Cycle duration at partial heat output	CO ₂ part		%
	Efficiency at part load heat output	CO%part (13% O ₂)		% (13% O ₂)
	CO ₂ at partial load heat output	COpart (13% O ₂)		mg/m ³ (13% O ₂)
	CO (%) at 13% O ₂ at partial load heat output	NO _x part (13% O ₂)		mg/m ³ (13% O ₂)
	CO at 13% O ₂ at partial load heat output	OGCpart (13% O ₂)		mg/m ³ (13% O ₂)
	NO _x at 13% O ₂ at part load heat output	PMpart (13% O ₂)		mg/m ³ (13% O ₂)
	OGC at 13% O ₂ at part load heat output	T _s part		°C
	PM at 13 % O ₂ at part load heat output	p _{part}		Pa
	Flue gas outlet temperature at part load heat output**	$\phi_{f,g}$ part		g/s
	Minimum flue draught at partial load heat output***	T _{class}	T400G	
	Flue gas mass flow at part load heat output	m _{chim}	30	kg
INSTALLATION	Chimney designation	V _h		m ³ /h
	Maximum load of a chimney over the appliance			mm
	Standing air loss		252	m ³
	Air heating outlet diameter	d _R	200	mm
	Heatable volume (with respective requirement of 20/35/55 W/ m ³)	d _S	350	mm
	Minimum distance to combustible materials (rear)	d _B	0	mm
	Minimum distance to combustible materials (side)	d _C	800	mm
	Minimum distance to combustible materials (bottom)	d _{non}		mm
	Minimum distance to combustible materials (ceiling)	s		mm
	Minimum distance to non-combustible walls	λ_d		W/mK
	Added protective insulation	d _P	1200	mm
	Thermal conductivity additional insulation	d _F	600	mm
	Minimum distance to combustible materials (radiant front)	d _L	400	mm
	Minimum distance to combustible materials (radiant bottom)	e _{lmax}	20	W
	Minimum distance to combustible materials (radiant side)	e _{lmin}	0	W

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 - frequency	E - f	230-50	V - Hz
HYDRO	Boiler liters content	Boilervol		
	Permissible maximum water operating pressure	pW		
	Max setting temperature boiler	TH20set		
** 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				

Marchio: CADEL				
Modello: SPIN 9 WOOD AIR T2				
DIMENSIONS	Width of the appliance	W	52,5	mm
	Depth of the appliance	L	53	mm
	Height of the appliance	H	110	mm
	Mass of the appliance	m	153	kg
	Pellet tank capacity*	Tankkg		kg
	Pellet tank autonomy at nominal heat output*	Autnom	1,9	h
	Pellet tank autonomy at partial load heat output*	Autpart	48	h
	Ventilation air intake section (cm2)		100	cm2
	Combustion air inlet diameter (mm)		80	mm
	Diameter of the flue gas outlet	dout	150	mm
* Values that can vary due to the used combustible				
Marchio: FreePoint				
Modello: EOS 9 WOOD AIR T2				
DIMENSIONS	Width of the appliance	W	52,5	mm
	Depth of the appliance	L	53	mm
	Height of the appliance	H	110	mm
	Mass of the appliance	m	111	kg
	Pellet tank capacity*	Tankkg		kg
	Pellet tank autonomy at nominal heat output*	Autnom	1,9	h
	Pellet tank autonomy at partial load heat output*	Autpart	48	h
	Ventilation air intake section (cm2)		100	cm2
	Combustion air inlet diameter (mm)		80	mm
	Diameter of the flue gas outlet	dout	150	mm
* 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 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	
η_s		74	%
EEL		112	-
Energy Efficiency Class (A++ to G scale)		A+	
Space heating emissions at nominal heat output	PM (al 13% O ₂)	25	mg/Nm ³
	OGC (al 13% O ₂)	50	mg/Nm ³
	CO (al 13% O ₂)	990	mg/Nm ³
	NO _x (al 13% O ₂)	99	mg/Nm ³
Space heating emissions at minimum heat output <i>Only required if correction factors F(2) or F(3) are applied</i>	PM (al 13% O ₂)	-	mg/Nm ³
	OGC (al 13% O ₂)	-	mg/Nm ³
	CO (al 13% O ₂)	-	mg/Nm ³
	NO _x (al 13% O ₂)	-	mg/Nm ³
Heat output	Nominal heat output (P _{nom})	8	kW
	Minimum heat output (indicative) (P _{min})	-	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 _{max})	-	kW
	At minimum heat output (el _{min})	-	kW
	In standby mode (el _{sb})	-	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 _{pilot})	N.A.	kW
Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product.			
Issue date: 01.07.2025	Legal Representative CADEL s.r.l. Via Foreste Sud, 7 - 31026 SANTA LUCIA DI PIAVE (TV) Tel. 0438 738669 - Fax 0438 73343 Partita IVA 03282180265 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 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	
η_s		74	%
EEL		112	-
Energy Efficiency Class (A++ to G scale)		A+	
Space heating emissions at nominal heat output	PM (al 13% O ₂)	25	mg/Nm ³
	OGC (al 13% O ₂)	50	mg/Nm ³
	CO (al 13% O ₂)	990	mg/Nm ³
	NO _x (al 13% O ₂)	99	mg/Nm ³
Space heating emissions at minimum heat output <i>Only required if correction factors F(2) or F(3) are applied</i>	PM (al 13% O ₂)	-	mg/Nm ³
	OGC (al 13% O ₂)	-	mg/Nm ³
	CO (al 13% O ₂)	-	mg/Nm ³
	NO _x (al 13% O ₂)	-	mg/Nm ³
Heat output	Nominal heat output (P _{nom})	8	kW
	Minimum heat output (indicative) (P _{min})	-	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 _{max})	0.020	kW
	At minimum heat output (el _{min})	-	kW
	In standby mode (el _{sb})	-	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 _{pilot})	N.A.	kW
Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product.			
Issue date: 01.07.2025	Legal Representative CADEL s.r.l. Via Foresto Sud, 7 - 31026 SANTA LUCIA DI PIAVE (TV) Tel. 0438 738669 - Fax 0438 73343 Partita IVA 03282180265 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 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	
η_s		76	%
EEL		115	-
Energy Efficiency Class (A++ to G scale)		A+	
Space heating emissions at nominal heat output	PM (al 13% O ₂)	12	mg/Nm ³
	OGC (al 13% O ₂)	25	mg/Nm ³
	CO (al 13% O ₂)	500	mg/Nm ³
	NO _x (al 13% O ₂)	98	mg/Nm ³
Space heating emissions at minimum heat output <i>Only required if correction factors F(2) or F(3) are applied</i>	PM (al 13% O ₂)	-	mg/Nm ³
	OGC (al 13% O ₂)	-	mg/Nm ³
	CO (al 13% O ₂)	-	mg/Nm ³
	NO _x (al 13% O ₂)	-	mg/Nm ³
Heat output	Nominal heat output (P _{nom})	9	kW
	Minimum heat output (indicative) (P _{min})	-	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 _{max})	-	kW
	At minimum heat output (el _{min})	-	kW
	In standby mode (el _{sb})	-	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 _{pilot})	N.A.	kW
Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product.			
Issue date: 01.07.2025	Legal Representative CADEL s.r.l. Via Foreste Sud, 7 - 31026 SANTA LUCIA DI PIAVE (TV) Tel. 0438 738669 - Fax 0438 73343 Partita IVA 03282180265 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 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	
η_s		76	%
EEL		115	-
Energy Efficiency Class (A++ to G scale)		A+	
Space heating emissions at nominal heat output	PM (al 13% O ₂)	12	mg/Nm ³
	OGC (al 13% O ₂)	25	mg/Nm ³
	CO (al 13% O ₂)	500	mg/Nm ³
	NO _x (al 13% O ₂)	98	mg/Nm ³
Space heating emissions at minimum heat output <i>Only required if correction factors F(2) or F(3) are applied</i>	PM (al 13% O ₂)	-	mg/Nm ³
	OGC (al 13% O ₂)	-	mg/Nm ³
	CO (al 13% O ₂)	-	mg/Nm ³
	NO _x (al 13% O ₂)	-	mg/Nm ³
Heat output	Nominal heat output (P _{nom})	9	kW
	Minimum heat output (indicative) (P _{min})	-	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 _{max})	0.020	kW
	At minimum heat output (el _{min})	-	kW
	In standby mode (el _{sb})	-	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 _{pilot})	N.A.	kW
Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product.			
Issue date: 01.07.2025	Legal Representative CADEL s.r.l. Via Foresto Sud, 7 - 31026 SANTA LUCIA DI PIAVE (TV) Tel. 0438 738669 - Fax 0438 73343 Partita IVA 03228110265 R.E.A. TV 227665 - Reg. Soc. Trib. TV 185949		

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