

WOOD FIREPLACE

WINDO 70
WINDO 90
WINDO 100
WINDO120



UK Installation, use and maintenance

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The original language of this manual is Italian

The undersigned EDILKAMIN S.p.a. with head office headquarters at Via Vincenzo Monti 47 - 20123 Milan - Italy - VAT IT00192220192

Declares under its own responsibility as follows:
The below listed wood burning products comply with EU Regulation 305/2011 and the harmonized European Standard EN 13229:2001+A1:2003+A2:2004+AC:2006+AC:2007

Wood Fireplace trademark EDILKAMIN,
called
WINDO 70 Dop 182
WINDO 90 Dop 187
WINDO 100 Dop 189
WINDO120 Dop 190

Not all versions are available for all countries.

The liability of Edilkamin is limited to the product supply only.

Dear Sir/Madam

Congratulations on choosing our product. Before you use it, please read this manual carefully, to get the best from your new appliance in total safety.

This manual is an integral part of the product. Please keep it for the entire life of the product.

If you lose it, you can request a copy or download it from www.edilkamin.com

After unpacking the product, check the condition and completeness of the contents.

In the event of error, immediately contact the retailer where the purchase was made, providing him with a copy of the warranty booklet and the sales receipt.

The appliance must be installed and operated in compliance with local and national law and European regulations. For the installation, and for anything not specifically indicated in the manual, observe local regulations.

The diagrams in this manual are illustrative; they do not always refer specifically to your product and are not binding in any way.

The product is uniquely identified by a number, the "counterfoil", which is indicated on the warranty certificate inside the product.

Please keep:

- the warranty certificate accompanying the product
- the purchase receipt given to you by the retailer
- the declaration of conformity given to you by the installer.

The warranty conditions are given in the warranty certificate accompanying the product.

SYMBOLS

Some parts of the manual use the following symbols:



CAUTION:

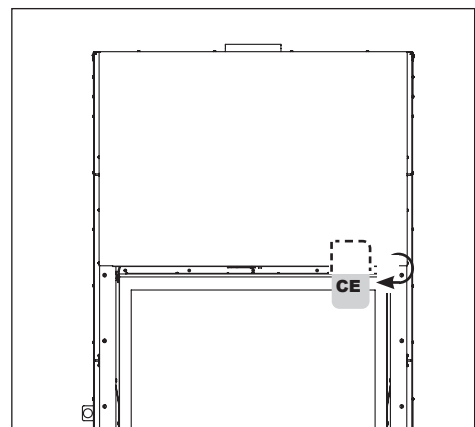
Read carefully the message to which this refers, as failure to do so may result in serious damage to the product and may endanger the safety of people using it.



INFORMATION:

Failure to follow these instructions could compromise correct product use.

The product's CE marking plate is located above the glass, under the casing, and can also be accessed once the product has been installed.



- Incorrect installations or improper maintenance causes safety risks, for which Edilkamin cannot be held liable.
- The product was not designed for use by people, including children, whose physical, sensory or mental capacities are reduced.
- The product was not designed for cooking.
- The product was designed to burn dry wood in the quantities and methods described in this manual
- The product was designed for internal use and in premises with normal humidity
- For the legal and standard guarantee, refer to the Certificate of Guarantee found with the product
- The product must be installed in premises where there is no danger of fire.
- In the event of fire, call the competent authorities
- Do not extinguish the fire with water jets
- The product must be kept in dry places and not exposed to bad weather.

The safety risks can be caused, among other things, by:

- contact with the fire and hot parts (e.g. glass and piping). **DO NOT TOUCH HOT PARTS** and, with the product off but hot, always use the glove. Otherwise you risk getting burnt
- use of unsuitable products for lighting (e.g. alcohol). **DO NOT LIGHT OR RE-LIGHT THE FLAME WITH LIQUID SPRAY PRODUCTS OR FLAMETHROWERS.** You risk getting seriously burned and causing damage to property and people.
- use of fuel other than dry wood. **DO NOT BURN RUBBISH, PLASTIC OR ANYTHING OTHER THAN DRY WOOD IN THE FIREPLACE.** You risk dirtying the product, fires in the chimney flue and causing damage to the environment.
- use of fuel different from the recommended fuel. **DO NOT OVERLOAD THE FIREPLACE.** There is a risk of deformation with risks for people in the event of attempted
- fixing up and irreversible changes to the colour of the paint on the metal parts. Edilkamin or the retailer cannot be held liable.
- cleaning the hot fireplace. **DO NOT EXTRACT HOT.** You risk compromising the extractor and, possibly, smoke in the environment
- cleaning of the smoke channel with various substances. **DO NOT CLEAN WITH FLAMMABLE PRODUCTS.** There is a risk of fires, back draft.
- cleaning of the hot glass with unsuitable products. **DO NOT CLEAN THE HOT GLASS WITH WATER OR SUBSTANCES OTHER THAN GLASS CLEANERS RECOMMENDED OR DRY CLOTHES.** There is a risk of cracks in the glass as well as permanent, irreversible damage to the glass
- deposit of inflammable materials under the safety distance indicated on this manual. **DO NOT REST LINEN ON THE Product DO NOT POSITION THE CLOTHES HORSE AT DISTANCES UNDER THOSE CONSIDERED SAFE.** Keep any form of inflammable liquid far from the appliance in use. There is a risk of fire.
- blocked opening of the air vents in the premises or air input. **DO NOT BLOCK THE AIR VENT OPENINGS OR BLOCK THE CHIMNEY FLUE.** There is a risk of a back draft in the room which could damage property and people.
- use of the product as a support or ladder (**DO NOT CLIMB ON THE PRODUCT OR USE IT AS A SUPPORT**). You risk damaging property and people.
- use of the product with the fireplace open. **DO NOT USE THE Product WITH THE DOOR OPEN.** For greater protection of the product, there is a spring that allows the product to close automatically.
- addition of fuel and door opening approaching the fire with flammable and loose clothing. **Do NOT** open the door or approach the glass with flammable, wide clothing whose ends could catch fire
- open the door with incandescent material exiting. **Do NOT** throw incandescent material out of the product. You risk a fire

Lastly, you are advised to take all normal precautions in relation to home heating. If in doubt, do not act on your own initiative, but contact the retailer or installation technician.



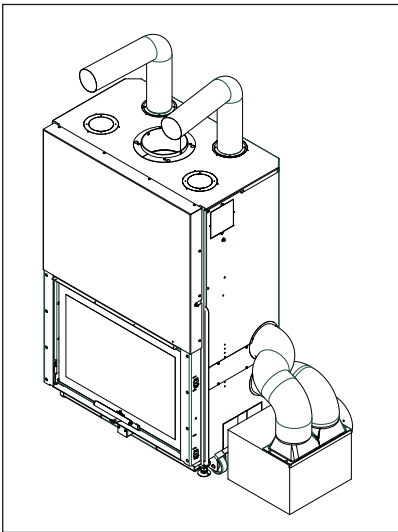
**USE ONLY WITH REFRACTORIES
INSTALLED**

The Windo range shown in this manual is made up of several models

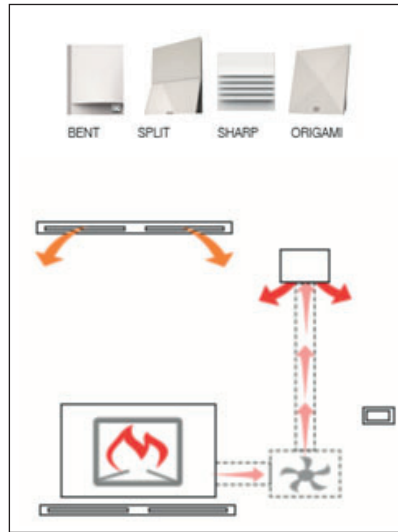
Windo 70 N - Windo 90 N - Windo 100 N - Windo 120 N models
can be ventilated with 3 distinct accessories (ask the dealer)

- A)** SIDE VENTILATION KIT with regulator and remote control
- B)** AIR DIFFUSER KIT
- C)** ventilated air vents

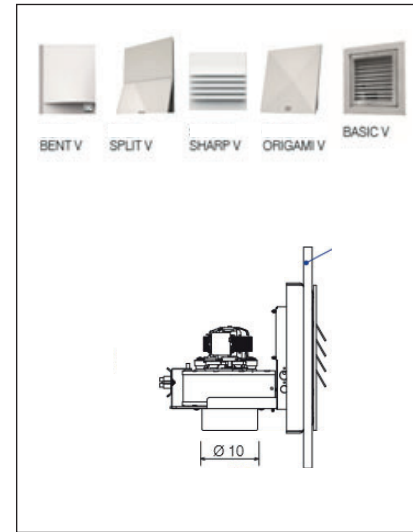
A)



B)



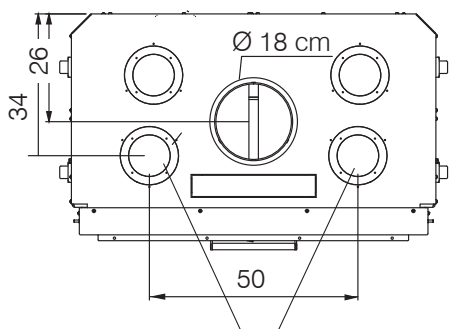
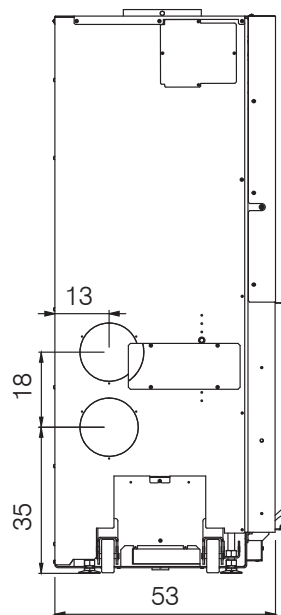
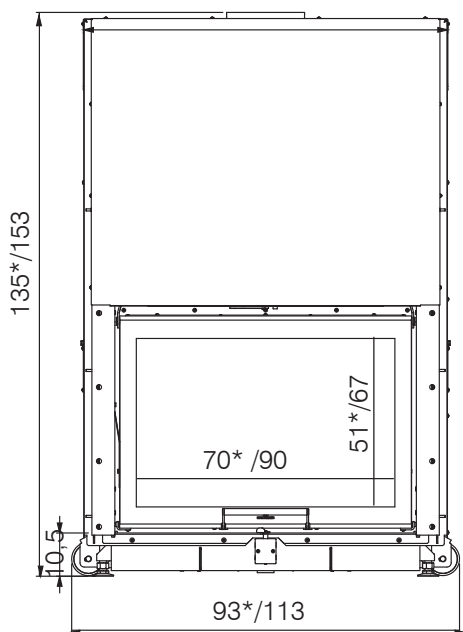
C)



WINDO 70/ WINDO 90 dimensions cm

glass dimensions 70x51 (Windo70*)

glass dimensions 90x67 (Windo 90)

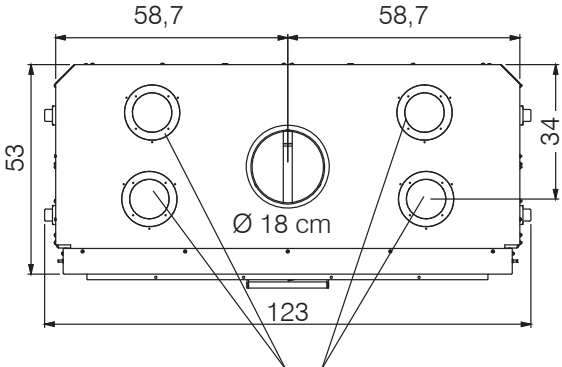
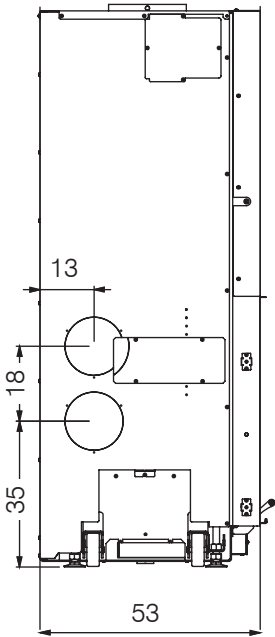
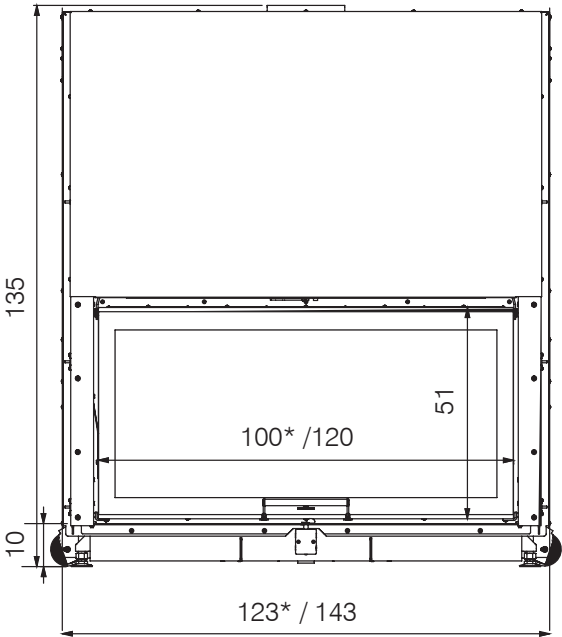


smoke outlet
 Ø 14 cm: without kit Air diffuser
 Ø 10 cm : with kit Air diffuser

WINDO 100/ WINDO 120 dimensions cm

glass dimensions 100x51 (Windo 100*)

glass dimensions 120x51 (Windo 120)



smoke outlet
Ø 14 cm: without kit Air diffuser
Ø 10 cm : with kit Air diffuser

TECHNICAL CHARACTERISTICS according to EN 13229 The given data are indicative and taken during the certification stage at a notified Body under regulation conditions.
The results were obtained with the glass cleaning system closed, by the installer.

	WINDO 70	WINDO 90	WINDO 100	WINDO 120	
	Nominal power				
Power output	14,3	17,6	18	19,2	kW
Efficiency	81,4	81,1	78,2	78,2	%
Emissions CO 13% O ₂	0,07	0,09	0,07	0,06	%
Fumes temperature	252	238	261	216	°C
Minimum draught	11	12	11	11	Pa
Fuel consumption *	3,8	4,7	5	5,3	kg/h
Heatable volume **	375	460	470	500	m ³
Smoke outlet pipe diameter	180				mm
Weight including packaging	220	250	380	430	kg
Energy efficiency class according to UE 2015- 1186 regulation (Class A+ +/G)	A+	A+	A	A	

*A calorific value of 4.8 kW/Kg has been used to calculate consumption

** The heating volume is calculated with the heat request of 33 Kcal/m³ hour

The product can be used safely even with a higher depression

TECHNICAL DATA FOR THE DIMENSIONING OF THE FLUE

	WINDO 70	WINDO 90	WINDO 100	WINDO 120	
	Nominal power				
Temperature of fumes on exit from the discharge pipe	302	285	313	313	°C
Minimum draught	10	10	10	10	Pa
Fume flow capacity	12	13	17,7	18,9	g/s

Intermittent mode combustion device

EDILKAMIN s.p.a. reserves the right to change the products at its discretion without notice.



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REA n° 878888
Cod. Fiscale e Partita IVA 00192220192

TECHNICAL DOCUMENTATION FOR LOCAL SPACE HEATERS ACCORDING TO COMMISSION REGULATION (EU) 2015/1185 AND 2015/1186

Manufacturer: Edilkamin S.p.A.
Trademark: Edilkamin
Model Identifier: Windo 70
Description: Wood-Fireplaces
Indirect heating functionality: no
Direct heat output (space heat output): 14,3 kW
CPR harmonised standard: EN 13229
Notified Body: Acteco srl (Via Amman 41 ,33084 Cordenons-PN-Italy) NB1880

Fuel	Preferred fuel (unique)	Space heating emissions at nominal heat output				Space heating emissions at minimum heat output			
		PM	OGC	CO	NOx	PM	OGC	CO	NOx
(*) PM = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NOx = nitrogen oxides									
mg/m3 at 13%O2									
Logs of wood, humidity content ≤ 25%	NO	8	37	893	111				

Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product

Up to 1/1/2022	
ηs [%]	71,4
EEl [%]	108
Energy Efficiency Class	A+

From 01/01/2022	
ηs [%]	71,4
EEl [%]	108
Energy Efficiency Class	A+

Calculations according to the council commission regulation (EU) 2015/1186 and 2015/1185
 Characteristics when operating with the preferred fuel
 $EEl = (\eta_{s,om} \cdot BLF) - 10\% + F(2) + F(3) - F(4) - F(5)$ BLF = 1,45 $\eta_{s,om} = \eta_{th,nom}$
 $\eta_s = \eta_{s,om} - 10\% + F(2) + F(3) - F(4) - F(5)$ F5 not of relevance

Heat output			
Item	Symbol	Value	Unit
Nominal heat output	P _{nom}	14,3	kW
Minimum heat output (indicative)	P _{min}	N.A.	kW

Useful efficiency (NCV as received)			
Item	Symbol	Value	Unit
Useful efficiency at nominal heat output	η _{th,nom}	81,4	%
Useful efficiency at minimum heat output (indicative)	η _{th,min}	N.A.	%

Auxiliary electricity consumption			
Item	Symbol	Value	Unit
At nominal heat output	e _{l,max}	N.A.	kW
At minimum heat output	e _{l,min}	N.A.	kW
In standby mode	e _{l,cb}	N.A.	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

$$F(4) = CC \cdot \frac{0,2 \cdot e_{l,max} + 0,8 \cdot e_{l,min} + 1,3 \cdot e_{l,cb}}{P_{nom}} \cdot 100[\%]$$

F (2)	0,0 %	up to 2022
F (2)	0,0 %	from 2022
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	

F (3)	0,0 %	up to 2022
F (3)	0,0 %	from 2022

Contact details
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TECHNICAL DOCUMENTATION FOR LOCAL SPACE HEATERS ACCORDING TO COMMISSION REGULATION (EU) 2015/1185 AND 2015/1186

Manufacturer	Edilkamin S.p.A.
Trademark	Edilkamin
Model Identifier	Windo 90
Description	Wood-Fireplaces
Indirect heating functionality	no
Direct heat output (space heat output)	17,6 kW
CPR harmonised standard	EN 13229
Notified Body	Acteco srl (Via Amman 41 ,33084 Cordenons-PN-Italy) NB1880

Fuel	Preferred fuel (unique)	Space heating emissions at nominal heat output				Space heating emissions at minimum heat output			
		PM	OGC	CO	NOx	PM	OGC	CO	NOx
(*) PM = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NOx = nitrogen oxides									
mg/m3 at 13%O2									
Logs of wood, humidity content ≤ 25%	NO	11	18	1101	133				

Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product

Up to 1/1/2022	
η _s [%]	71,0
EEL [%]	107
Energy Efficiency Class	A+

From 01/01/2022	
η _s [%]	71,0
EEL [%]	107
Energy Efficiency Class	A+

Calculations according to the council commission regulation (EU) 2015/1186 and 2015/1185

Characteristics when operating with the preferred fuel

$$EEL = (\eta_{s,om} \cdot BLF) - 10\% + F(2) + F(3) - F(4) - F(5)$$

BLF = 1,45

$$\eta_{s,om} = \eta_{th,nom}$$

$$\eta_s = \eta_{s,om} - 10\% + F(2) + F(3) - F(4) - F(5)$$

F5 not of relevance

Heat output			
Item	Symbol	Value	Unit
Nominal heat output	P _{nom}	17,6	kW
Minimum heat output (indicative)	P _{min}	N.A.	kW

Useful efficiency (NCV as received)			
Item	Symbol	Value	Unit
Useful efficiency at nominal heat output	η _{th,nom}	81,0	%
Useful efficiency at minimum heat output (indicative)	η _{th,min}	N.A.	%

Auxiliary electricity consumption			
Item	Symbol	Value	Unit
At nominal heat output	e _{l,max}	N.A.	kW
At minimum heat output	e _{l,min}	N.A.	kW
In standby mode	e _{l,db}	N.A.	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

$$F(4) = CC \cdot \frac{0,2 \cdot e_{l,max} + 0,8 \cdot e_{l,min} + 1,3 \cdot e_{l,db}}{P_{nom}} \cdot 100[\%]$$

F (2) 0,0 % up to 2022

F (2) 0,0 % from 2022

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

F (3) 0,0 % up to 2022

F (3) 0,0 % from 2022

Contact details

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Manufacturer	Edilkamin S.p.A.
Trademark	Edilkamin
Model Identifier	Windo 100
Description	Wood-Fireplaces
Indirect heating functionality	no
Direct heat output (space heat output)	18 kW
CPR harmonised standard	EN 13229
Notified body	Acteco srl (Via Amman 41, 33084 Cordenons-PN-Italy) NB1880

Fuel	Preferred fuel (unique)	Space heating emissions at nominal heat output				Space heating emissions at minimum heat output			
		PM	OGC	CO	NOx	PM	OGC	CO	NOx
(*) PM = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NOx = nitrogen oxides									
mg/m ³ at 13%O ₂									
Logs of wood, humidity content ≤ 25%	NO	15	37	893	134				

Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product

Up to 1/1/2022	
η _s [%]	68,2
EEL [%]	103
Energy Efficiency Class	A

From 01/01/2022	
η _s [%]	68,2
EEL [%]	103
Energy Efficiency Class	A

Calculations according to the council commission regulation (EU) 2015/1186 and 2015/1185
Characteristics when operating with the preferred fuel

$$EEL = (\eta_{s,on} \cdot BLF) - 10\% + F(2) + F(3) - F(4) - F(5)$$

BLF = 1,45 η_{s,on} = η_{th,nom}

$$\eta_s = \eta_{s,on} - 10\% + F(2) + F(3) - F(4) - F(5)$$

F5 not of relevance

Heat output			
Item	Symbol	Value	Unit
Nominal heat output	P _{nom}	18	kW
Minimum heat output (indicative)	P _{min}	N.A.	kW

Useful efficiency (NCV as received)			
Item	Symbol	Value	Unit
Useful efficiency at nominal heat output	η _{th,nom}	78,2	%
Useful efficiency at minimum heat output (indicative)	η _{th,min}	N.A.	%

Auxiliary electricity consumption			
Item	Symbol	Value	Unit
At nominal heat output	e _{l,max}	N.A.	kW
At minimum heat output	e _{l,min}	N.A.	kW
In standby mode	e _{l,sp}	N.A.	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

$$F(4) = CC \cdot \frac{0,2 \cdot e_{l,max} + 0,8 \cdot e_{l,min} + 1,3 \cdot e_{l,sp}}{P_{nom}} \cdot 100[\%]$$

F (2) 0,0 % up to 2022

F (2) 0,0 % from 2022

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

F (3) 0,0 % up to 2022

F (3) 0,0 % from 2022

Contact details	
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Manufacturer	Edilkamin S.p.A.
Trademark	Edilkamin
Model Identifier	Windo 120
Description	Wood-Fireplaces
Indirect heating functionality	no
Direct heat output (space heat output)	19,2 kW
CPR harmonised standard	EN 13229
Notified Body	Acteco srl (Via Amman 41 ,33084 Cordenons-PN-Italy) NB1880

Fuel	Preferred fuel (unique)	Space heating emissions at nominal heat output				Space heating emissions at minimum heat output <small>Only required if correction factors F(2) or F(3) are applied.</small>			
		PM	OGC	CO	NOx	PM	OGC	CO	NOx
<small>(*) PM = particulate matter, OGCs = organic gaseous compounds, CO = carbon monoxide, NOx = nitrogen oxides</small>									
Logs of wood, humidity content ≤ 25%	NO	15	37	705	134				

Observe the specific precautions for installation, assembly and maintenance indicated in the manual accompanying the product

Up to 1/1/2022	
η _s [%]	68,2
EEL [%]	103
Energy Efficiency Class	A

From 01/01/2022	
η _s [%]	68,2
EEL [%]	103
Energy Efficiency Class	A

Calculations according to the council commission regulation (EU) 2015/1186 and 2015/1185

Characteristics when operating with the preferred fuel

$$EEL = (\eta_{s,on} \cdot BLF) - 10\% + F(2) + F(3) - F(4) - F(5) \quad BLF = 1,45 \quad \eta_{s,on} = \eta_{th,nom}$$

$$\eta_s = \eta_{s,on} - 10\% + F(2) + F(3) - F(4) - F(5) \quad F5 \text{ not of relevance}$$

Heat output			
Item	Symbol	Value	Unit
Nominal heat output	P _{nom}	19,2	kW
Minimum heat output (indicative)	P _{min}	N.A.	kW

Useful efficiency (NCV as received)			
Item	Symbol	Value	Unit
Useful efficiency at nominal heat output	η _{th,nom}	78,2	%
Useful efficiency at minimum heat output (indicative)	η _{th,min}	N.A.	%

Auxiliary electricity consumption			
Item	Symbol	Value	Unit
At nominal heat output	e _{l,max}	N.A.	kW
At minimum heat output	e _{l,min}	N.A.	kW
In standby mode	e _{l,cb}	N.A.	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

$$F(4) = CC \cdot \frac{0,2 \cdot e_{l,max} + 0,8 \cdot e_{l,min} + 1,3 \cdot e_{l,cb}}{P_{nom}} \cdot 100[\%]$$

F (2) 0,0 % up to 2022

F (2) 0,0 % from 2022

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

F (3) 0,0 % up to 2022

F (3) 0,0 % from 2022

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PREPARATION AND UNPACKING

The materials composing the packaging are not toxic or harmful, therefore no particular disposal processes are required.

Storage, disposal and any recycling is the responsibility of the end user in compliance with the laws in force on the matter.



You are recommended to make each movement in a vertical position with suitable devices, paying attention to the safety standards in force.

Do not overturn the packaging and be cautious when assembling parts.

DETACH THE PRODUCT FROM THE PALLET

Detach the product from the pallet by loosening the screws (A) securing it to the latter and located on the feet. Remove the product from the pallet while being careful to protect the door and its glass panel from mechanical impacts which could damage them.

HANDLING OF THE PRODUCT

PICK-UP POINTS FOR HANDLING

The monobloc is equipped with four rings to facilitate its transport.

Insert two tubes through the rings.



Make sure that the product remains balanced during handling.

SHIFTING OF THE PRODUCT WITH WHEELS NEAR THE INSTALLATION POSITION

The fireplace is equipped with FOUR wheels (B) Screw on the feet to use the wheels.

FEET

The feet are used to distance the fireplace from the floor and to level the hearth.

They can be adjusted to maximum 10 cm.

Une fois la cheminée mise en place, repositionner les pieds.



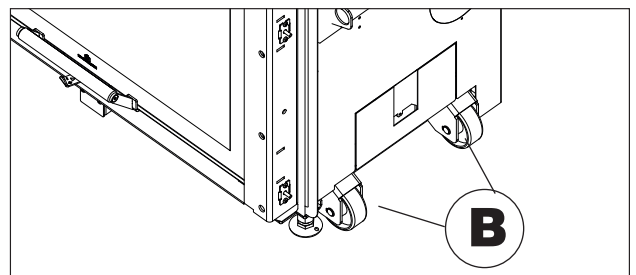
USE THE WHEELS ONLY FOR SMALL MOVEMENTS DO NOT DRAG THE PRODUCT. THE FEET MAY GET DAMAGED.

USE THE WHEELS, after screwing the feet on



PLEASE NOTE

If the fireplace is not level there may be problems with the door's sliding movement.



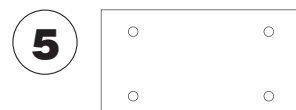
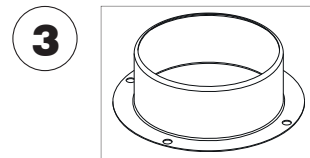
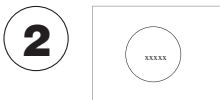
LOOSEN THE LOCKING SCREWS ON THE SIDE OF THE DOOR ONLY AFTER THE PRODUCT HAS BEEN POSITIONED. DO NOT SHIFT THE PRODUCT WITHOUT THE LOCKING SCREWS

PACKAGING

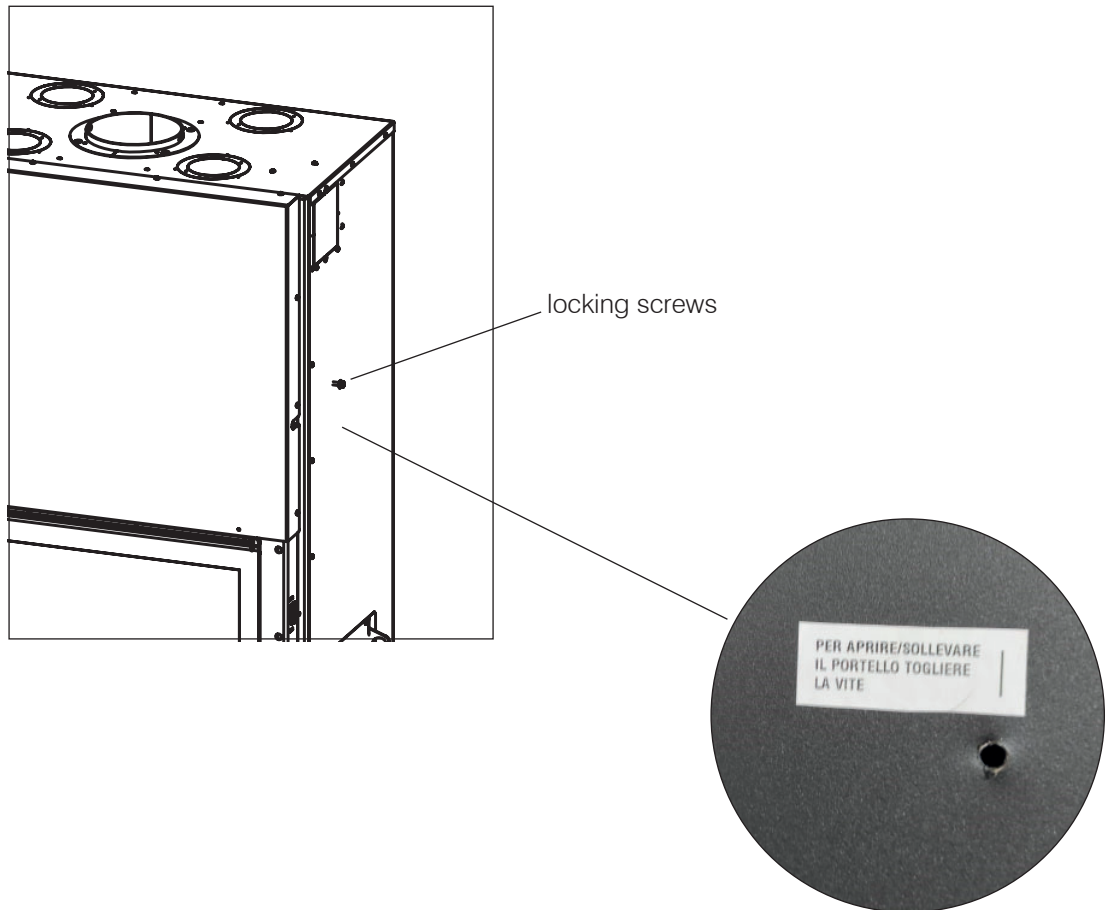
The packaging includes a useful inspection hatch to check the status of the product. On receipt, check and immediately notify the retailer of any anomalies.

The packaging comprises a single item containing the following:

Description	Number in the figure below	Quantity	Use
Fireplace		1	*
Side and rear refractory elements for Windo 70 / Windo 90-100-120		5 / 6	
Anti-corrosion discs	(2)	2	
R2 unions Ø 140 mm	(3)	2	for ducting in the version without ventilation kit
Handle for hatch lifting	(4)	1	can be used either as a fixed handle (by fastening it with the screws) or as a detachable handle, using the relevant bushes.
Side cover of the casing	(5)	2	to be screwed on once the chimney has been positioned and the lifting brackets have been removed. Tighten the (4+4) screws and close the opening with the side cover of the casing.



“LOOSEN THE LOCKING SCREWS ON THE SIDES IN ORDER TO LIFT THE DOOR
LOOSEN THE SCREWS ONLY AFTER THE PRODUCT HAS BEEN POSITIONED
DO NOT SHIFT THE PRODUCT WITHOUT THE LOCKING SCREWS”

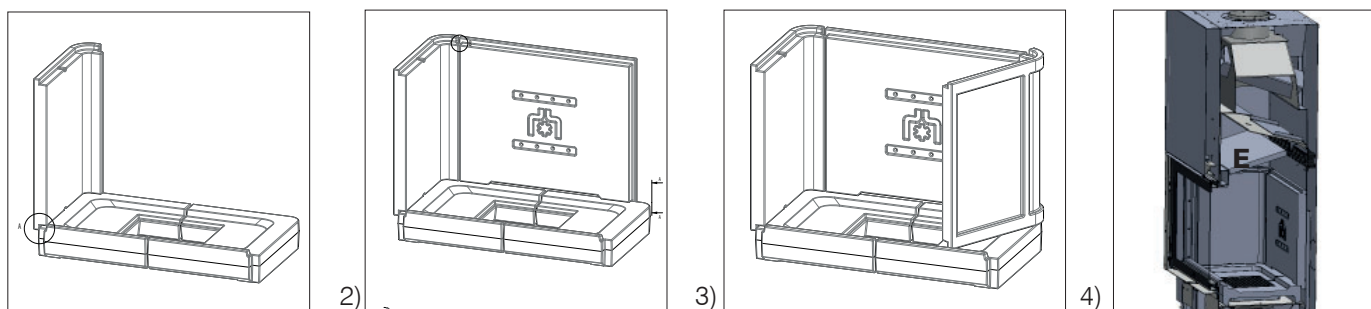


INTERNAL REFRACTORY ELEMENTS

Assembly sequence for REFRACTORY ELEMENTS

- 1) Position the LH SIDE element
- 2) Position the BOTTOM element
- 3) Position the RH SIDE element
- 4) Position the deflector (E)

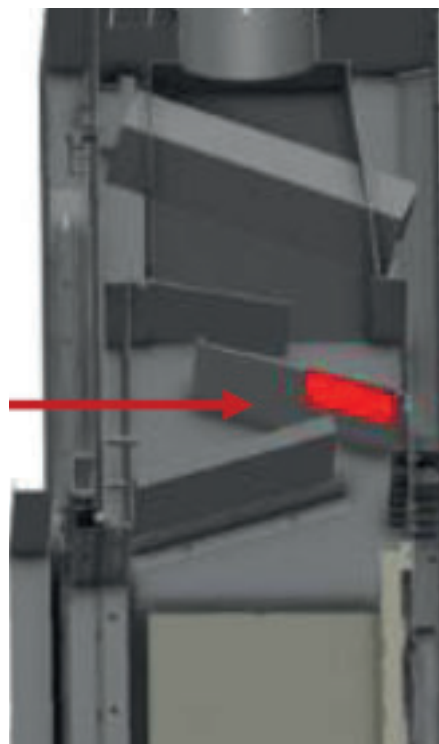
USE ONLY WITH REFRACTORIES INSTALLED



Fit the sides first and then the bottom on windo 120

ADJUSTABLE SHUTTER

In low draught conditions, the smoke flow can be adjusted using the adjustable shutter (34x13 cm) shown in the adjacent figure.



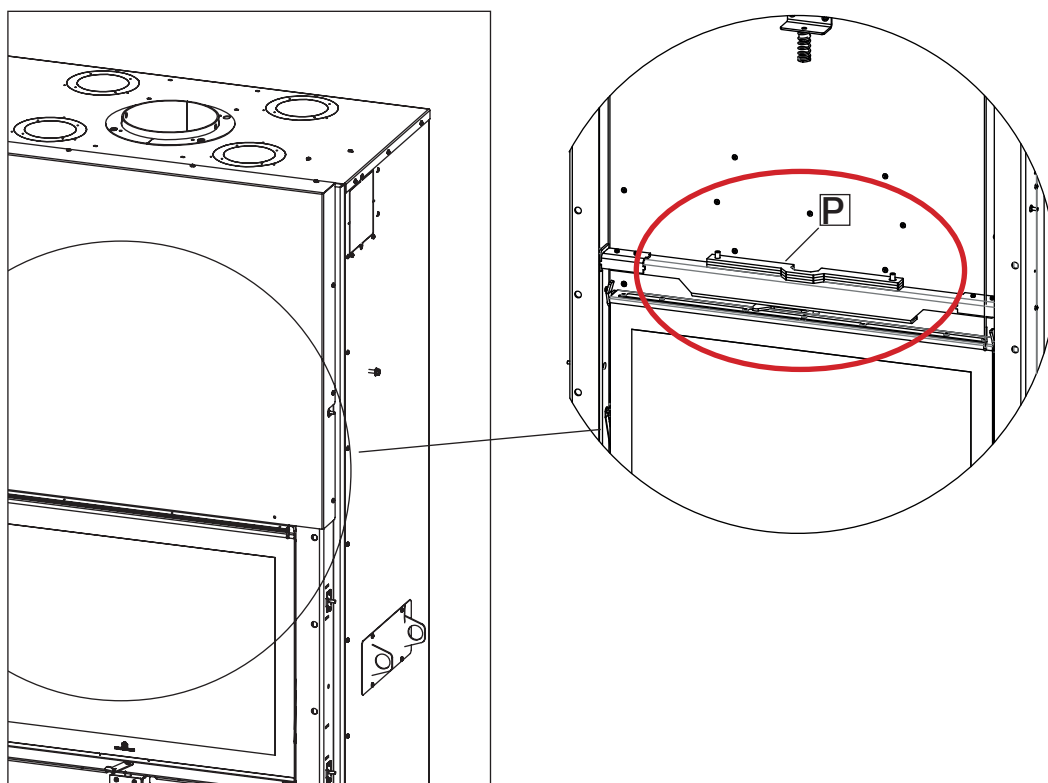
Smoke outlet Ø not equal to the chimney system one, to be adjusted accordingly

SELF-CLOSING DOOR

The fireplace is delivered with the door balanced, that is, it does not drop automatically once raised. To make the door self-closing, one or more plates (P) must be applied to the inner frame for the door. To access the inner frame for the door, remove the flap located on the fireplace's casing.

without plates (standard)	with plates (added during the installation phase)
NOT self-closing	self-closing

INTERNAL VIEW OF THE PLATES ON THE DOOR FRAME



INTRODUCTION ON INSTALLATION

Remember that:

- the product must be installed by qualified staff who can issue a Declaration of Conformity
- all the local and national laws and the European Standards must be met for installation and use of the product.
- In the event of installation in apartment blocks, ask the administrator’s opinion beforehand.
-

We give some general instructions below, however these do not obviate the need to comply with local regulations and do not affect the installer’s liability for the installation.

Checking the suitability of the installation premises

- The volume of the room must be over 40 m³
- Installation is not permitted in bedrooms, bathrooms or premises with other products that take in air for combustion of the same premises or in premises with an explosive atmosphere. Any extractor fans, if working in the same environment or space in which the product is installed, can cause draft problems.
- In Italy, check compatibility pursuant to UNI 10683 and UNI 7129 in the presence of gas products.
- The floor must be able to support the weight of the product and the accessories.



When installing the product, leave enough space to allow easy access for cleaning the product and the chimney system.



Electricity lines
There must be no electricity lines in the walls or ceiling of the fireplace installation area.

Protection from heat and safe distances

All the surfaces of the building adjacent to the product must be protected against heating. The insulation measurements to implement depend on the type of surface present.

Check on the chimney system's data plate the safety distances to be kept in the presence of combustible materials and the type of insulating material to be used.

The product must be installed in accordance with the following safety instructions (dimension mm):

Windo 70
Rear = 200 Sides = 300 Front = 800

Windo 90
Rear = 200 Sides = 300 Front = 800

Windo 100
Rear = 300 Sides = 350 Front = 1800

Windo 120
Rear = 100 Sides = 100 Front = 1800

CHIMNEY SYSTEM

(Smoke channel, chimney flue and chimney stack)

This chapter is drafted according to the European Standards EN 13384, EN 1443, EN 1856, EN 1457. The installation technicians must take into consideration these and any other local standards. The manual should in no way be considered a replacement for the laws in force.

The product must be connected to a suitable smoke discharge that guarantees completely safe evacuation of the smoke produced by combustion.

Before positioning the product, you need to check the chimney flue is suitable.

SMOKE CHANNEL, CHIMNEY FLUE

The smoke channel (pipe that connects the smoke outlet of the fireplace with the chimney flue inlet) and the chimney flue must, along with other legal provisions:

- receive the discharge for a single product (multiple product discharges are not permitted together)
- have a mainly vertical development
- no section should have a reserve slope
- have an inner section preferably circular and however with a ratio between sides lower than 1.5
- complete the roof with the appropriate chimney stack: direct discharge is forbidden on walls or towards closed spaces, even if outdoors
- be created with materials with a fire reaction class A1 pursuant to UNI EN 13501 or similar national standard
- be appropriately certified, with an appropriate fireplace plate, if metal
- keep the initial section

The chimney system must be sized by an expert in accordance with the regulations in force.



The smoke outlet diameter does not match the chimney system diameter, which must be sized accordingly.

THE SMOKE CHANNEL

- if in metal must have a CE marking (EN 1856-2) or similar national law;
- cannot be in flexible metal material
- to check the flow, a shutter is advised for draft over 25 Pa

THE CHIMNEY FLUE:

- must have a draft capable of creating negative pressure ideally around 12 Pa. Lower drafts can cause leaking smoke if the door is open; higher values tend to generate fast combustion by reducing the yield
- must be correctly sized to meet smoke evacuation (EN 13384-1)
- must preferably be insulated, in steel with a circular inner section. If rectangular, the inner edges must have a radius under 20 mm and a ratio between between the inner dimensions <1.5
- normally have a minimum height of 3-4 metres
- maintain a constant section
- be waterproof and thermally insulated to guarantee draft.
- preferably create a collection chamber for unburned fuel and any condensate
- be at least category T400, with an adequate resistance to soot fire if pre-existing, it must be cleaned to avoid risk of fire.

EXTERNAL AIR INTAKE

To re-integrate burnt oxygen during product functioning, you need to have an installation premises suitable for the external air intake.

Once the product is faced, the Ø 14 cm pipe (A) must be connected so that it does not remain closed in the facing and takes in air from the air intake.

In accordance with local regulations, the air intake can be mounted outside or in suitable rooms not subject to depression.

EXTERNAL AIR INTAKE

To re-integrate burnt oxygen during product functioning, you need to have an installation premises suitable for the external air intake.

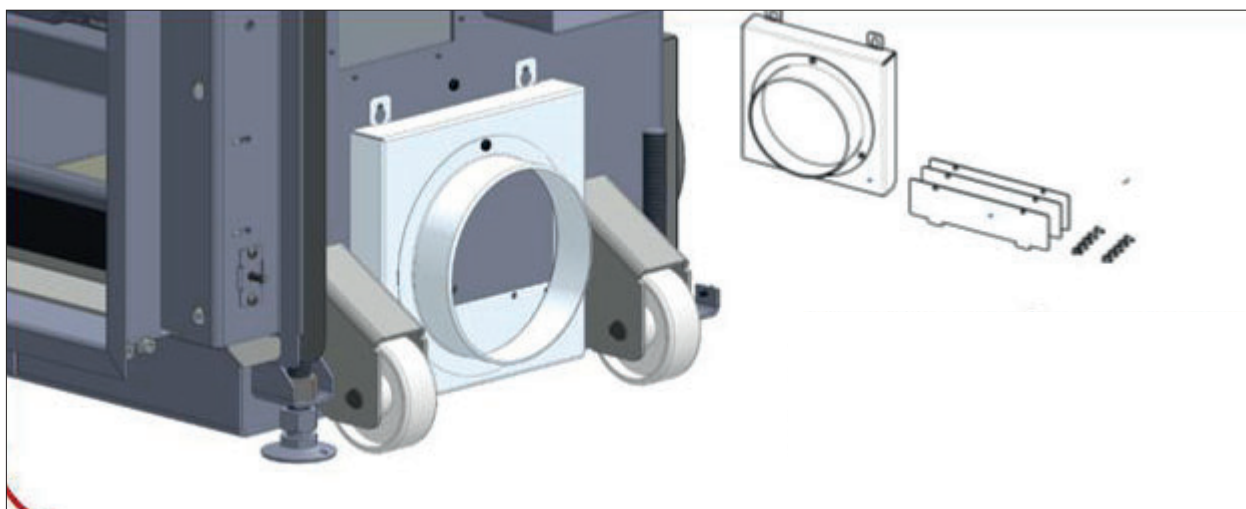
In accordance with local regulations, the air intake can be mounted outside or in suitable rooms not subject to depression.

The cladding must have the grille at floor level so that combustion air can enter the product

OPTIONAL FEATURES

Kit for the direct connection of the combustion air intake.”

Contacteur el revendeur.

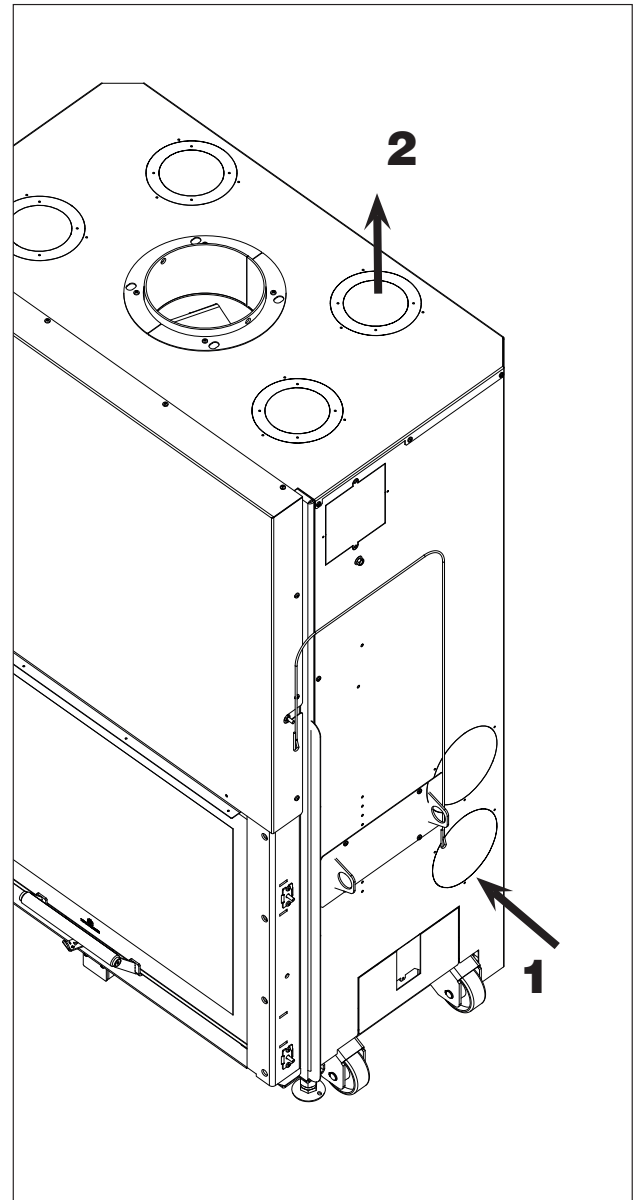


WINDO N without ventilation kit

The ambient air enters the structure through openings along the lower section of the fi fi replace casing (1)
The openings on the fi fi replace casing are initially closed and must be opened by removing the pre-cut membranes to enable the ambient air to pass through them.

The ambient air heats up and rises by convection along the air gap behind the hearth and emerges hot from the vents (2) positioned on the casing's cover.

The length of the ducting depends on the product's insulation and manner of use.



It is essential to guarantee the return of the air into the room where the fi replace is installed by means of grilles at the base of the walls or gaps under the doors.

“Air ducting kit in natural version

Hot air ducting kits are available, to be requested from the dealer.

The hot air produced by the fireplace is introduced into the rooms to be heated through delivery air vents connected to the openings on the casing cover, through Ø 14 cm aluminium pipes. It is essential to ensure that the air returns into the fireplace room through grilles located at the base of walls or slots at the bottom of the doors.

The pipes must be arranged along a straight line as far as possible. The aluminium pipes can be concealed with boxes, false beams or built into the walls; regardless of the chosen solution, they must be adequately insulated.”

The length of the ducting depends on the product's insulation and manner of use.

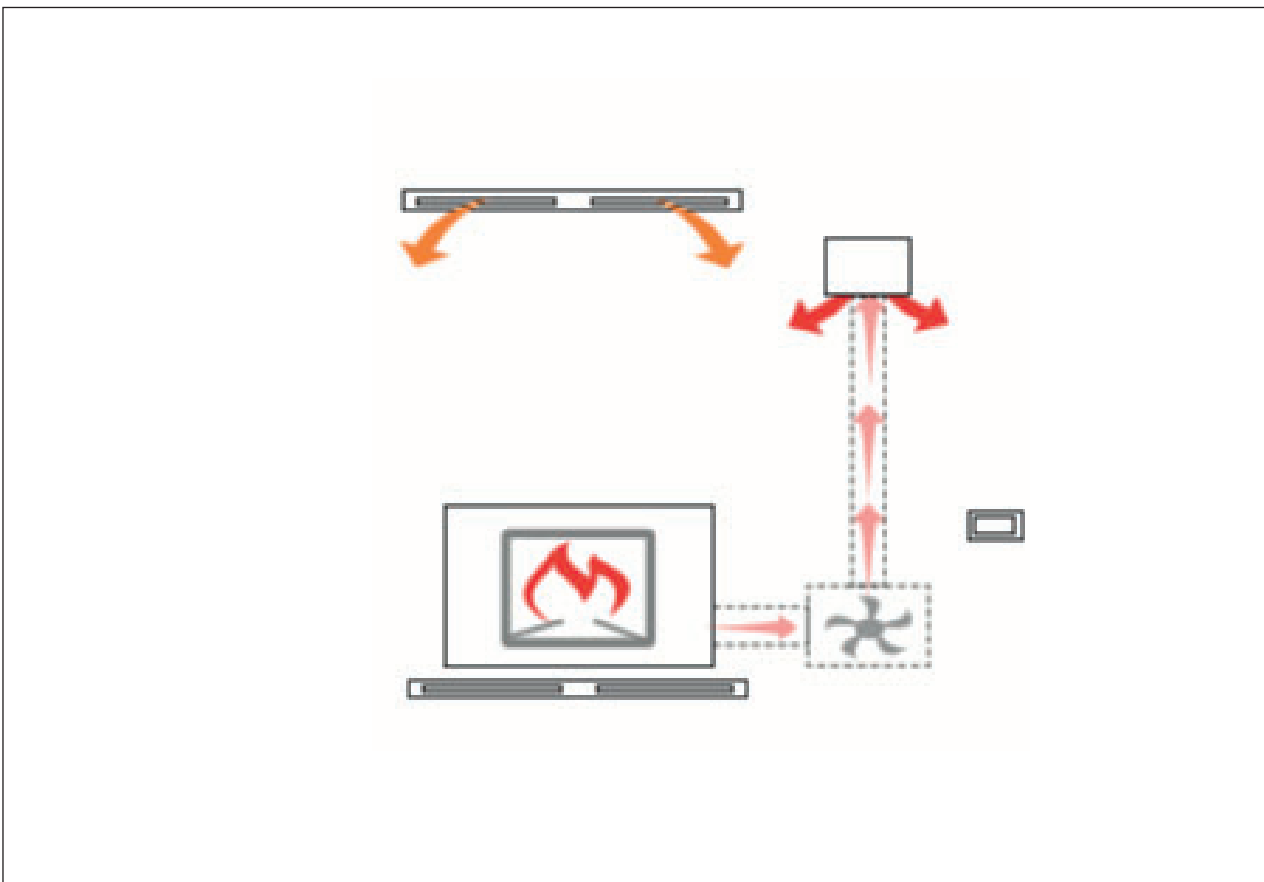
FOR VENTILATED MODELS, ALWAYS CONNECT THE PRODUCT SAFELY TO AN EARTH CONTACT, IN ACCORDANCE WITH THE REGULATIONS IN FORCE.

Further details are provided in the assembly instructions supplied with the kit itself.

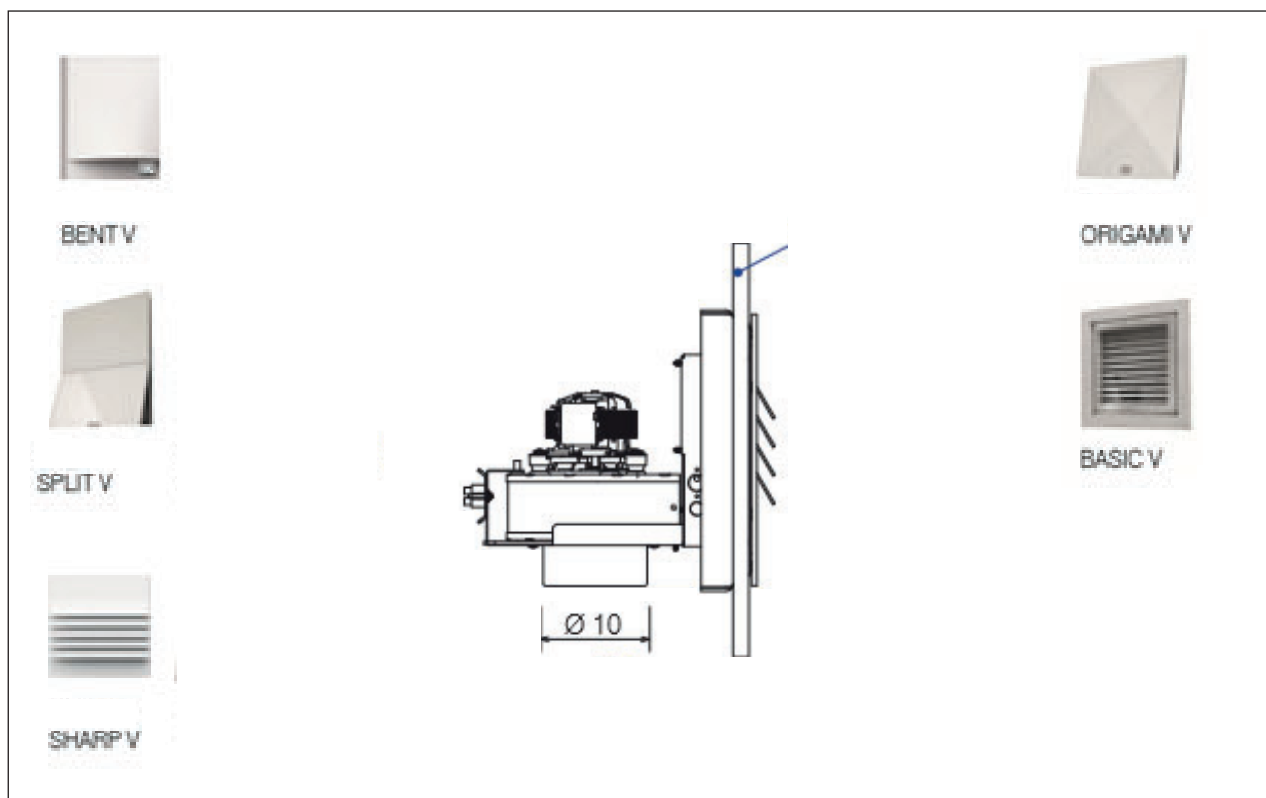
Circulation with Kit Air Diffuser

The vents are not included in the Air Kit Diffuser and you can choose the one of the four models available and described which best suits your needs at the retailer.

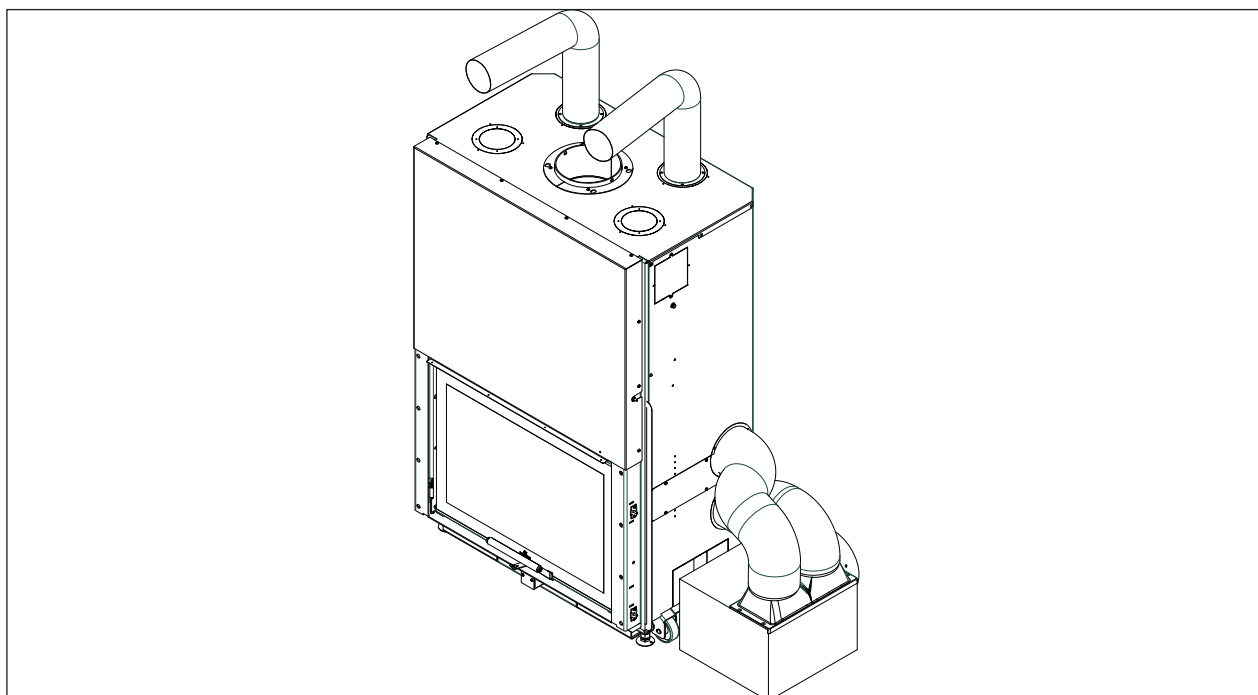
The adjustment is made through a control unit and a remote control.



- VENTILATED AIR VENTS



- SIDE VENTILATION KIT with regulator and remote control



Contents: air box, fan, electronic regulator, 2-way fitting, 2 R2 flanges (compatible pipe for outdoor air intake: Ø 14 code 76790). Automatic operation, manual start, temperature probe and remote control



Facings, gather hood and vents

Face the product only after having completed the following steps:

- connection of the product to the smoke outlet and air intake;
- inspection of the product when hot;
- check to verify whether the product is levelled.

The installer must implement all the installation good practices and take all the necessary precautions against overheating and fire.

In particular:

- if a plinth is constructed beneath the hearth level, it must include a suitable slot for the passage of recirculation air from the room;
- wooden parts must be protected with fireproof panels, which must not be placed against one another but spaced at least 1 cm apart to enable air to flow and prevent heat build-up. The gather hood can be made with fireproof panels, plasterboard or gypsum slabs; during construction, the hot air ducting kit must be mounted as described above.

The interior of the gather hood should be aerated by exploiting the flow of air coming from below (the space between the door and mantel) which convective currents will cause to exit from the grille on top, thus allowing heat recovery and preventing undue overheating.

In addition to that mentioned above, take into account the regulations in force in the relevant country concerning "insulation, finishes, facings and safety recommendations".

Vents

These must be strictly installed on the front: one beneath and one above the fireplace's opening. The product is not supplied with.



Verify that the product works properly before applying the cladding.

In particular, check the following:

- Sliding elements
- Cabling



**USE ONLY WITH REFRACTORIES
INSTALLED**

FOR INSTALLER

Door movement can be adjusted as shown below.



FRAME (OPTIONAL)

The inlet surround is an optional accessory.

It fills in the gap remaining between the firebox's frame and the cladding itself.

Internal dimension:

Windo 70: cm 72x55h

Windo 90: cm 92x71h

Windo 100: cm 102x55h

Windo 120: cm 122x55h

If purchased, it is sold in a single package.

If purchased, it is sold in a single item containing:

- the frame itself **(1)**
- n° 6 screws **(2)**

To assemble it:

- secure the brackets to the fireplace structure;
- tighten the screws

VERTICAL-OPENING/BOTTOM-HUNG DOOR FOR CLEANING**DOOR OPENING WITH VERTICAL MOVEMENT (AFTER LOCKING THE LEVER ON TOP)**

The door locking ADJUSTER LEVER is located on the top part.

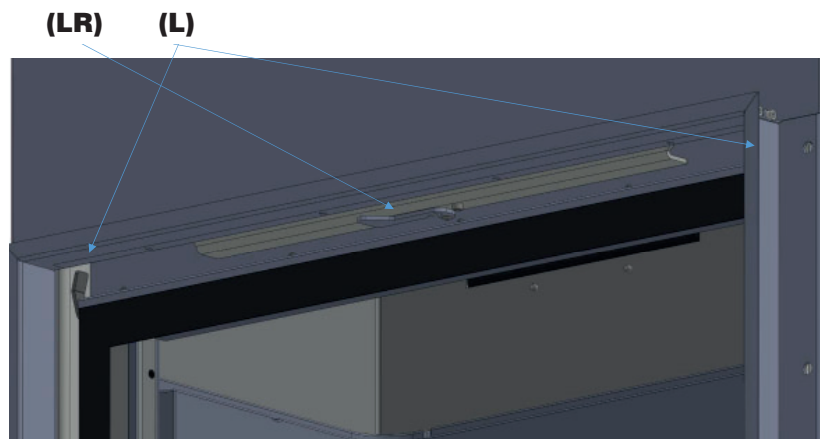
With the handle, the Edilkamin system allows the user to choose whether to use the fixed handle or the detachable handle.”

BOTTOM-HUNG DOOR OPENING

To open the door with the bottom-hung system, adjust the levers to the right and left of the door

**VERTICAL-OPENING DOOR with detachable handle BOTTOM-HUNG DOOR for cleaning**

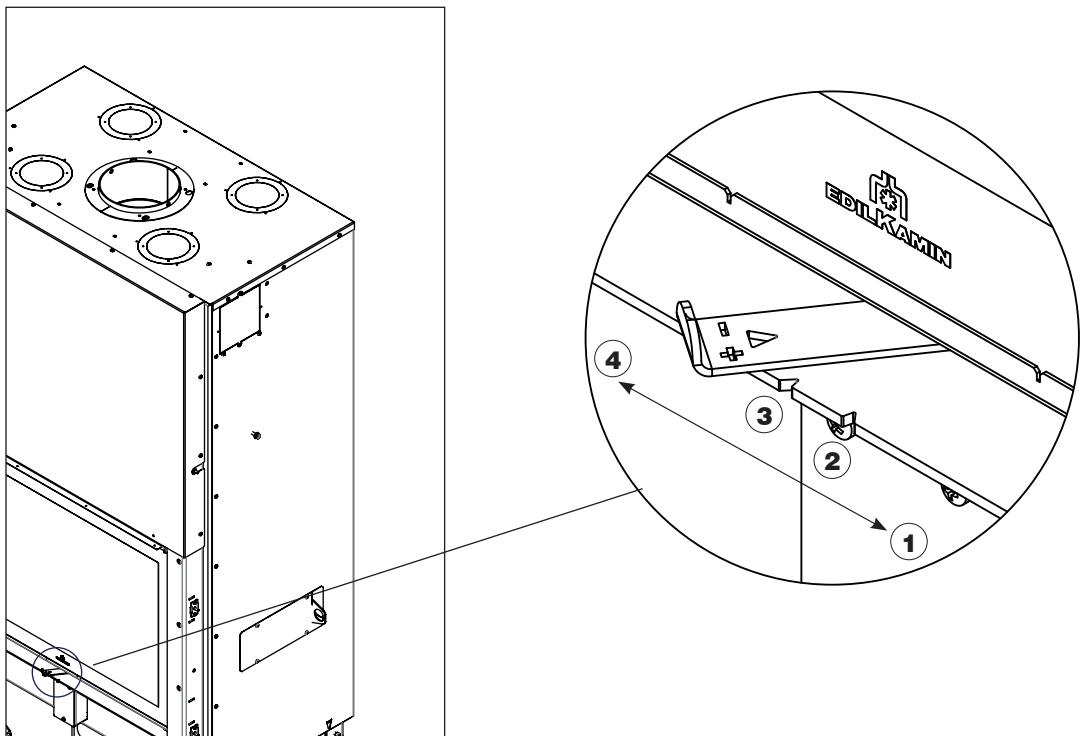
- The door unlocking adjuster lever **(LR)** is located on the top part
- To open the door with the bottom-hung system, adjust the levers **(L)** to the right and left of the door



AIR CONTROL

Shifting the air limiter lever allows for regulating the amount of combustion air entering the combustion chamber and post combustion

Description	Effect
Position 1 Ignition / maximum power	Primary air sent entirely to the combustion chamber plus turbo air (all to the RH)
Position 2 Intermediate	Primary air completely open
Position 3 Intermediate	Primary air half
Position 4 Ember maintenance	Post-combustion air only All passages for the primary combustion air are closed (all to the LH)"



FUEL

The product was designed to burn wooden logs or sawdust briquettes.

Use dry wood logs (max. humidity 20%) Use logs The use of damp wood would cause the product and the flue to get dirty, the risk of smoke and a lower yield than that declared. Each type of wood has different characteristics that also influence combustion yield.

The data outlined on this manual are with wood used during certification.

In general wood can have a heat of combustion up to 4.5 kWh/kg while cut fresh it has heat of combustion around 2 kWh/kg

In general, beech or elm is recommended, or however class A1 wood according to UNI EN ISO 17225-5

Attention to prolonged use of wood with aromatic oils (e.g. eucalyptus). Cast iron parts can deteriorate

Use the recommended quantities of wood:

Overloading causes overheating, resulting in damage:

- possible deformation of the inner parts;
- possible irreversible changes to the colour of the paint on the metal parts for which Edilkamin or the retailer cannot be held liable.

To respect the environment and safety, do NOT burn, among other things: plastic, varnished wood, coal and bark waste. Do not use the product as an incinerator.

Use of these fuels also nullifies the guarantee.

TO OBTAIN THE RATED POWER, FOLLOW THE INDICATIONS ON THE TECHNICAL CHARACTERISTICS PAGES

First switch on phases

- Ensure you have read and understood the content of this manual
- Remove all the inflammable parts from the product (manuals, labels, etc.). In particular remove any labels from the glass. If they melt, they would irreversibly damage the glass.

For initial switch on of the fireplace, always use the smallest logs. Use larger wooden logs to raise the fire. Place the wood on the combustion grille.

NOTE

Always locate the wood deep in the fireplace, almost in contact with the rear wall, so that even if they slide they won't come in contact with the glass.

Lighting a cold fireplace

1. Check the existing ash bed is not too high. If the ash bed is too high, there is a danger of opening the door of the fireplace to add wood and possible brazier fragments fall out of the fireplace.
2. Position the adjustment lever of the valve in the "total opening" position. The air for combustion will flow intensely to the wood in the fireplace, to quickly reach good combustion.
3. place the wood in the fireplace without excessively squashing it in. Position a firelighter between the wood logs and light. Never use materials such as petrol, alcohol and similar to switch on.
4. At this point, close the door and monitor it for a few minutes. If the fire should extinguish, slowly open the door, re-position another firelighter between the logs and light again.

Lighting a hot fireplace

When should wood be added? When the fuel is almost completely consumed to embers. With the glove, slowly open (to avoid formation of vortices that can cause smoke to exit) the door. Add the desired wood to the fireplace, locating it on the existing embers (within the quality limits indicated in the technical table).

Product functioning changes with the chimney flue draft and adjustment of the air valve in combustion.

Functioning with initial low draft

To extract air for combustion and discharge the smoke, the fireplace needs a draft to be exerted on the chimney flue.

If the draft is weak, initially light a "starter" fire using small sized lighting material.

Once the correct draft is restored, you can add the fuel.



Employer toujours le gant en dotation pour les parties chaudes.
Avoid direct contact with hot parts.



**USE ONLY WITH REFRACTORIES
INSTALLED**

EXPANSIONS

As with all appliances, a wood appliance heats up and cools down during the various operating stages. This implies normal expansion movements. These expansions may cause slight settling noises that cannot constitute grounds for complaints.

ODOURS

On first ignition, there may be a slight smell of paint, which will disappear in a short time.

NOTES ON REFRACTORY MATERIAL

The inner refractory material was designed to resist normal use.

Its cleaning is ensured by good combustion. The main damage to refractory material comes from:

- accidental knocks
- use of firelighters which are not ecologically loading
- wood beyond the recommended amount
- use of fuel other than that recommended

Edilkamin or the retailer cannot be held liable for damage caused as described above

NOTE:

The black refractory elements are enamelled, therefore they have a natural crackle effect and dull surface that cannot be regarded as defects.

CLEANING THE GLASS

Open the product with the bottom-hung door, as shown previously (unlock the levers to the sides of the glass)

You can use specific products to clean the glass (see our Glasskamin pricelist).

Do not spray the product on painted parts or the seals of the door. An alternative to the product is a rag soaked in a bit of white ash and a piece of newspaper. Attention, ensure there are no abrasive elements in the ash that could scratch the glass.



Ceramic glass installed on the products can resist heat up to approx. 750°C and is tested and controlled before and after assembly to check for the presence of cracks, bubbles and blowing.

The glass, despite its high resistance to temperature, is however a fragile element and therefore you are advised to move the door cautiously without banging or forcing it. Glass, since it is not flexible, can break.

Cleaning the external parts

The covering must be clean without using aggressive detergents. Do not wet with cold water when the covering is hot because the thermal shock could cause damage.

Cleaning the chimney flue

This should be carried out before the use season and each time you note a layer of soot and tar has formed inside, a substance that is easily flammable.

Scale, in the presence of high temperatures and sparks, can catch fire with serious consequences both for the chimney flue and for the home. You are therefore advised to clean at least once a year.

Ash removal (only with the fireplace off and cold)

Remove the ash grille and pull out the tray.

Remove the ash using a scoop or ash cleaner.

Place the removed ash exclusively in non-combustible containers; bear in mind that the residual embers may still re-ignite 24 hours after the last combustion.

IN THE EVENT OF PROBLEMS**1) In case of smoke leaking from the fireplace hearth, check if:**

Installation is correct (smoke channel, chimney flue, stack, air intake). The wood used is dry. The door was opened too quickly

2) In the event of uncontrolled combustion, check if:

The seals of the fireplace are intact:
The door of the fireplace is closed properly.

**3) If the glass gets dirty quickly, check if:
The wood used is dry.**

However, consider that after a few hours of work, it is normal for a light layer of soot to form on the glass.

4) If the chimney flue catches fire or you need to suddenly extinguish the fire lighting in the fireplace:

- if possible, in safe conditions, remove the ash and brazier using tools and only touch metal containers with fireproof gloves.
- in the event of a fire, ask the authorities for help

5) In case of odours, check if:

If first switch on: in this case a paint smell is normal.
If the product is dirty or dusty

If you cannot solve the problem, contact the retailer or, in countries where present, the authorised Technical Support Centre.

The guarantee is only valid if the product defect is proven.

DISPOSAL

At the end of its service life, dispose of the product as required by regulations.



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TECNOLOGIA DEL FUOCO

www.edilkamin.com

cod 942109-GB 10.21/C