INSTALLER MANUAL

Pellet Stove

EN

FRAME³ - FRAME³ UP - QUASIMODO³ UP -MODO AIRTIGHT

SUMMARY

1 MANUAL SIMBOLOGY

	**USER**
	**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.

2 PACKAGING AND HANDLING

2.1 PACKAGING

- The packaging is made up of recyclable cardboard boxes according to RESY standards, recyclable expanded polystyrene inserts and wooden pallets.
- All packaging materials can be re-used for a similar use or eventually discharged as waste assimilable to the municipal solid ones, in accordance with current regulations.
- After having removed the packaging please assure you about the integrity of the product.

2.2 REMOVING THE STOVE FROM THE PALLET

Proceed as follows to remove the stove from the pallet:

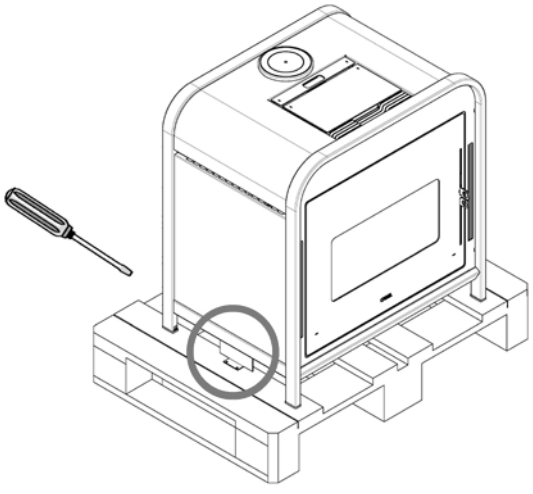

Fig. 1 - Remove the screws + brackets

- Remove the screws of the 2 brackets securing the stove (see **Fig. 1**).
- Then remove the stove from the pallet.

2.3 STOVE HANDLING

Both whether the stove is packed or not it is necessary to observe the following instructions for handling and transporting the stove from its sale point to its installation point and for any future movements:

- The stove must be handled with idoneous means paying attention to the existing safety regulations;
- do not turn the stove upside down and/or upset it on one side, but keep it in vertical position or as accorded with the constructor instructions;
- if the stove is made up of ceramic, stone, glass or any particularly fragile material components, all must be moved with the utmost care.

3 CHIMNEY FLUE

4 COMBUSTION AIR

4.1 EXTERNAL AIR INLET

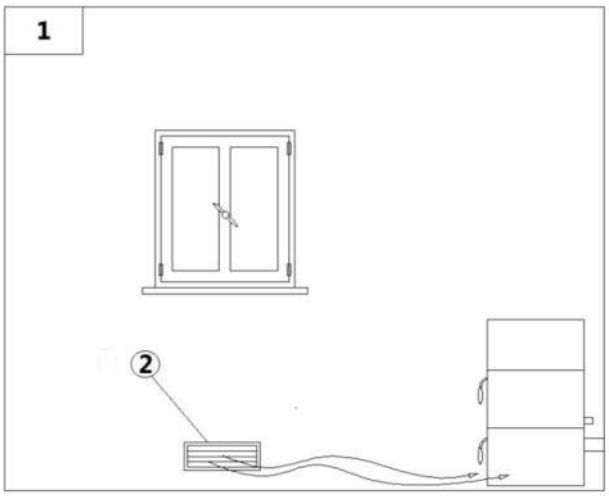

Fig. 2 - Direct air inflow

LEGEND	*Fig. 2*
1	*Room to ventilate*
2	*External air inlet*

- The room must be endowed with an external air recycling for a good climate in your ambient.
- The air inflow from outside to the inner occurs directly, through an opening on the external wall of the room (see **Fig. 2**).
- Bedrooms, garages, and store of flammable materials are excluded.
- The air inlet should have a total net surface of 80 sqcm^2: the aforesaid surface is to widen if inside the room there are other activated appliances (for example: electric ventilators for foul air suction, cooker hoods, other stoves, etc...) which depress the environment.
- At switched on appliance it is necessary to check that the pressure fall between the room and the outside does not exceed 4,0 Pa value: if necessary widen the air inlet (EN 13384).
- The air inlet must be realized at a height close to the floor with an external grid against birds. In such a way it cannot be obstructed by any object.
- **In case of installation with sealed-chamber the air inlet is not necessary.**

4.2 COMBUSTIBLE AIR INLET FOR SEALED-CHAMBER INSTALLATION

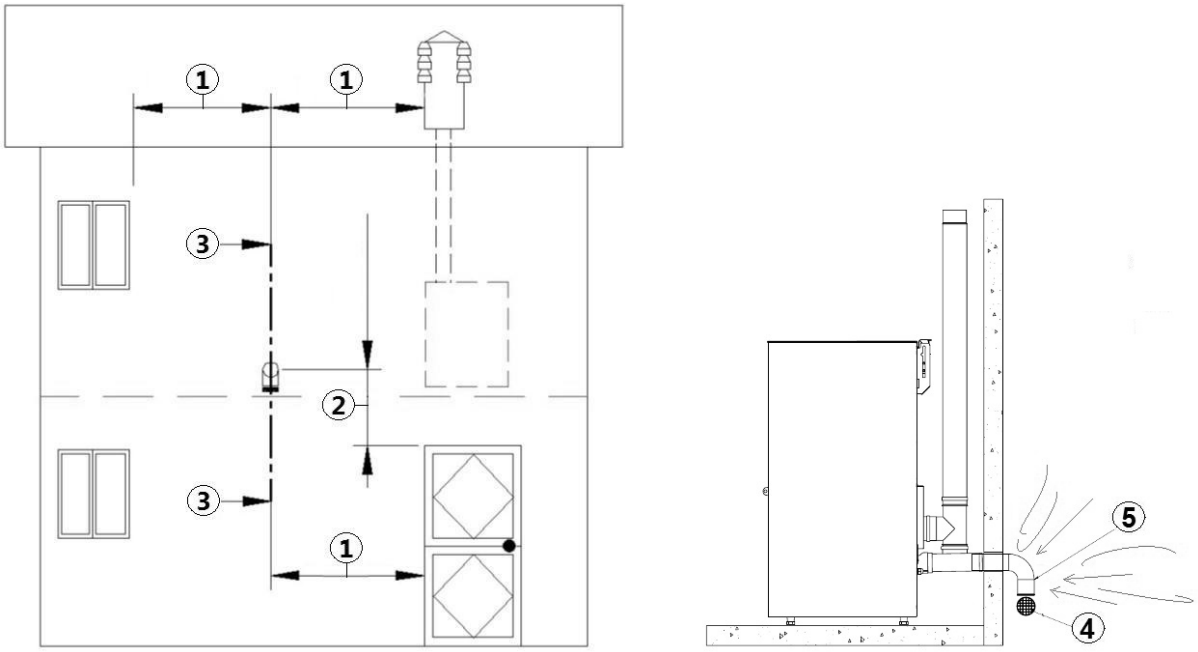

Fig. 3 - Air inlet for sealed-chamber installation

LEGEND	*Fig. 3*
1	*≥ 1,5 mt*
2	*≥ 0,3 mt*
3-3	*Sectional view*
4	*Shield grid*
5	*Curve inlet to turn downwards*

Check if the purchased stove has a sealed-chamber. If the stove is endowed with a sealed-chamber and you want also the whole installation with sealed chamber, please read the following instructions:

- It is necessary to extract the air for combustion directly from outside.
- Use a tube with minimum Ø60 mm and maximum 2 meters lenght; to connect see the back of the stove.
- French standards require installation in double-walled flues (concentric system). The combustion air is drawn from the cavity.
- During installation step is necessary to verify the minimum distances required for the combustible air inlet as (for example) an open door or window causes a vortex which could remove the combustible air necessary to the stove (see the underlying scheme).
- On the external wall it is necessary to install a curve at 90° to protect the combustible air inflow from wind effects: turn the curve inlet downwards, see **Fig. 3**.
- Endow the curve with an external shield grid against birds in such a way that it cannot be obstructed by any object.

Check with your local authorities if exists any restrictive regulation regarding the combustible air inlet: if present, they must be applied

In some countries and/or regions the installation with sealed-chamber is obligatory: in case of doubt, please follow the most restrictive regulations.

4.3 COMBUSTIBLE AIR INLET FOR SEALED-CHAMBER INSTALLATION

How to connect to the stove in the sealed chamber with concentric system:

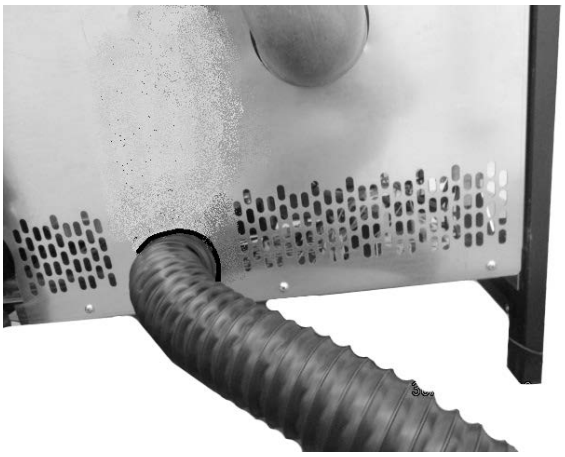

Fig. 4 - Phase 1

- Insert the female tube ø 6 cm (see **Fig. 4**).

5 INSTALLATION

5.1 INTRODUCTION

- The assembly position must be chosen depending on environment, outlet, chimney flue.
- Check with local authorities if there are any restrictive regulations which regard the combustible air inlet, room ventilation, fume exhaust system together with chimney flue and chimney pot.
- Check if there is the combustible air inlet.
- Check the probable presence of other stoves or appliances which could depress the room.
- Check at switched on stove if there is the presence of CO in the room.
- Check if the chimney has the necessary draught.
- Check if during the fume passage all has been executed in safety (probable fume losses and distances from flammable materials, etc.…).
- The installation of the appliance must enable an easy access for appliance, fume exhaust pipes and chimney flue cleaning.
- The installation must enable en easy access to the electric connection plug (see **ELECTRIC CONNECTION a pag. 11**).
- To install more appliances, the external air inlet must be correctly dimensioned (see **FEATURES a pag. 23**).

5.2 OVERALL DIMENSIONS

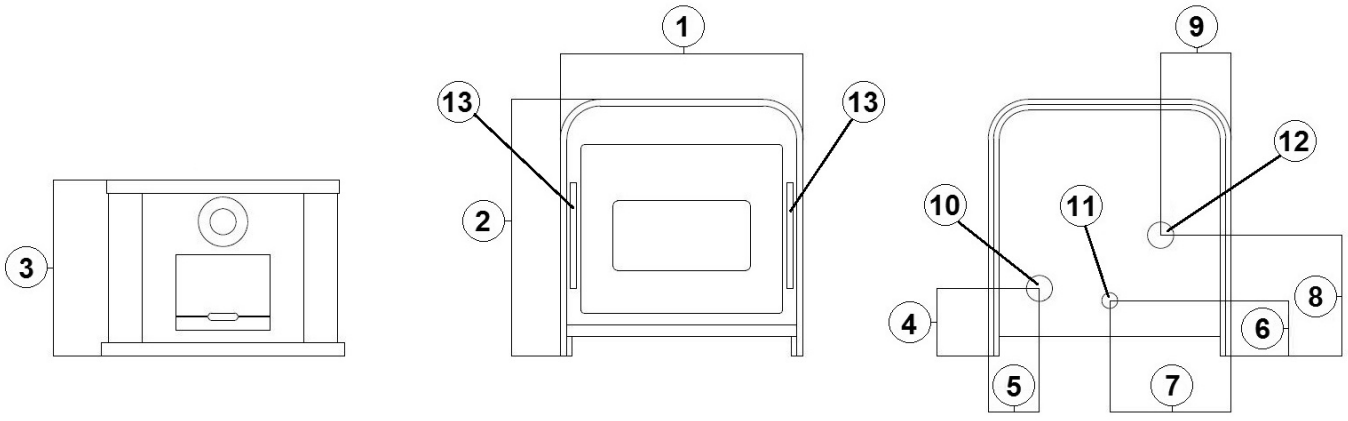

Fig. 5 - General dimensions: FRAME³

LEGEND	*Fig. 5*		
1	*70,3 cm*	***8***	*36,4 cm*
2	*78 cm*	***9***	*21,2 cm*
3	*53 cm*	***10***	*Exhaust fumes d.8 cm*
4	*20,3 cm*	***11***	*Hole combustion air inlet d.6 cm*
5	*15,4 cm*	***12***	*Ducting outlet d.8 cm (optional)*
6	*16,7 cm*	***13***	*Hot air outlet 32x2 cm*
7	*36,7 cm*		

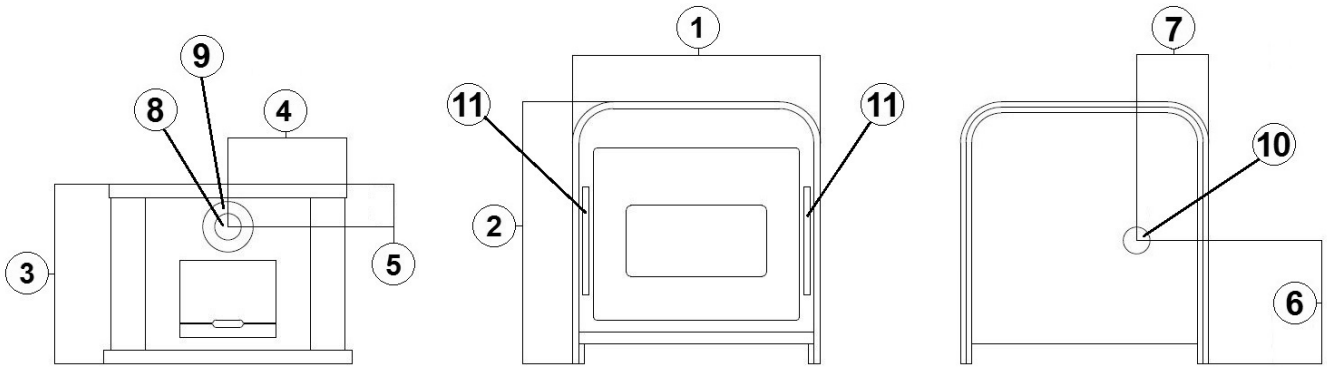

Fig. 6 - General dimensions: FRAME³ UP

LEGEND	*Fig. 6*
1	*70,3 cm*
2	*83 cm*
3	*61 cm*
4	*35,1 cm*
5	*12,5 cm*
6	*36,4 cm*
7	*21,2 cm*
8	*Exhaust fumes d.8 cm*
9	*Hole combustion air inlet d.13 cm*
10	*Ducting outlet d.8 cm (optional)*
11	*Hot air outlet 32x2 cm*

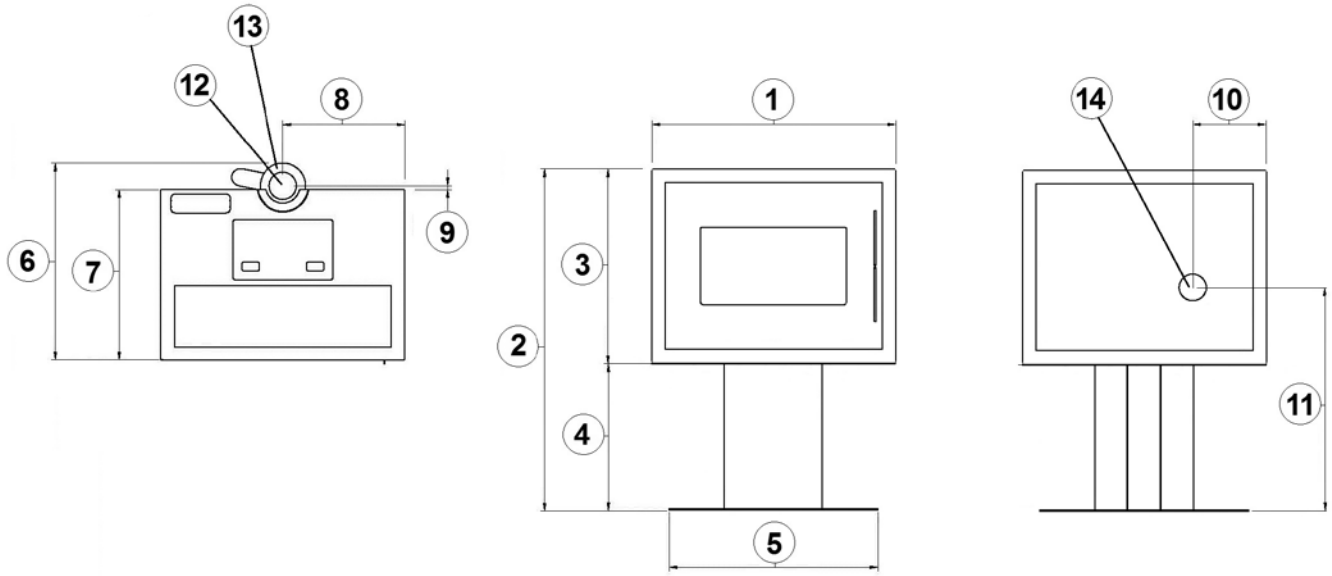

Fig. 7 - General dimensions: QUASIMODO³ UP

LEGEND	*Fig. 7*		
1	*70 cm*	***8***	*35 cm*
2	*98,5 cm*	***9***	*10,6 cm*
3	*56,4 cm*	***10***	*17,3 cm*
4	*42,5 cm*	***11***	*71,2 cm*
5	*60 cm*	***12***	*Exhaust fumes d.8 cm*
6	*56,4 cm*	***13***	*Hole combustion air inlet d.13 cm*
7	*47,5 cm*	***14***	*Ducting outlet d.8 cm (optional)*

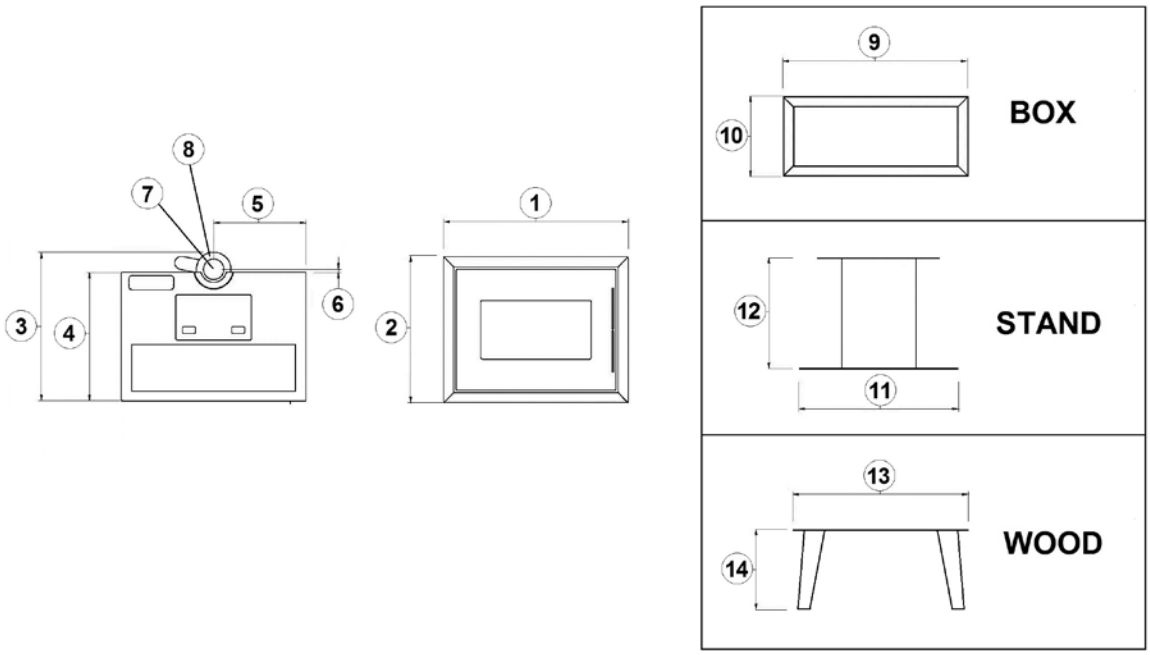

Fig. 8 - General dimensions: MODO AT

LEGEND	Fig. 8
1	70 cm
2	56 cm
3	58 cm
4	42,5 cm
5	35 cm
6	10,6 cm
7	Exhaust fumes d.8 cm
8	Hole combustion air inlet d.13 cm
9	70 cm
10	30 cm
11	60 cm
12	42,5 cm
13	65 cm
14	30 cm

5.3 GENERAL INSTALLATION

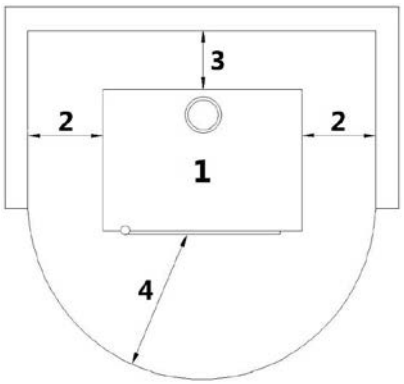

Fig. 9 - General installation

LEGEND	Fig. 9
1	Stove
2	Minimum lateral distance = 200 mm
3	Minimum rear distance = 200 mm
4	Minimum front distance = 1000 mm

It is obligatory to install the stove away from walls and/or pieces of furniture, with a minimum air flow of 200 mm on the sides and 200 mm on the back, to enable an efficient appliance cooling and a good distribution of heat in the room (see **Fig. 9**).
If the walls are made up of flammable materials, check the safety distances (see **Fig. 9**).
At maximum power check that the wall temperature does not ever exceed 80°C. If it would be necessary please install a fire resistant plate on the concerned walls.
In some countries also masonring load-bearing walls are considered flammable.

5.4 MOUNTING MODO AT AND QUASIMODO[3] UP STAND

Assembly operations must always be carried out by 2 people!

Proceed as follows to assemble the stand:

Fig. 10 - Stand fastening

- Set the machine body above the stand and fix it all with the supplied screws (see **Fig. 10**).

5.5 MOUNTING MODO AT LEGS

Assembly operations must always be carried out by 2 people!

To assemble the legs, proceed as follows:

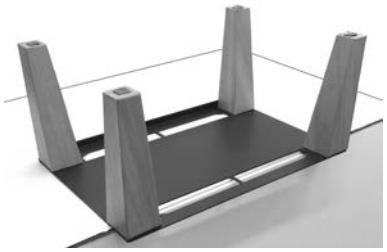

Fig. 11 - Position base and legs

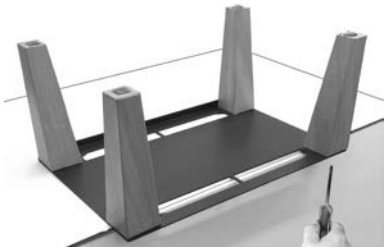

Fig. 12 - Fasten legs to the base

Fig. 13 - Stove fastening

- Set the base on a flat surface (with the bend facing upwards) and position it above the legs (see **Fig. 11**).
- Secure the legs to the base (see **Fig. 12**).
- Set the machine body above the legs and fix it all with the supplied screws (see **Fig. 13**).

5.6 REMOVE SIDE PANELS FRAME[3]

Proceed as follows to remove the stove side panels:

Fig. 14 - Remove the screws

Fig. 15 - Unhook the side

- Loosen the 2 screws (see **Fig. 14**).
- Release the 2 teeth on the bottom of the side panel and remove it (see **Fig. 15**).

5.7 REMOVE SIDE PANELS MODO AIRTIGHT / QUASIMODO³ UP

Proceed as follows to remove the stove side panels:

Fig. 16 - Remove the screws

Fig. 17 - Unhook the side

- Loosen the 2 screws (see **Fig. 16**).
- Release the 2 teeth on the bottom of the side panel and remove it (see **Fig. 17**).

5.8 DOOR ADJUSTMENT

To centre the door, proceed as follows:

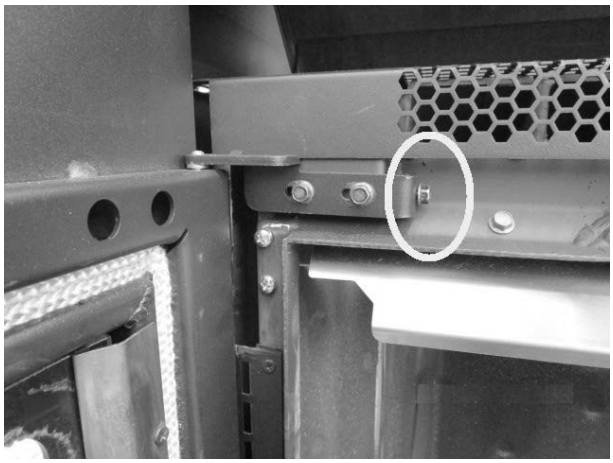

Fig. 18 - Door adjustment

- Open the door.
- Loosen the two front screws in the upper hinge and, using the side screw (the one circled in the picture) adjust the door

forward or backward (see **Fig. 18**).
- Once the door is centred, lock the 2 front screws.

5.9 CONNECTION TO THE EXTERNAL THERMOSTAT

The stove works through a thermostat probe placed in its inner. If you desire, the stove can be connected to an external room thermostat. This operation must be executed by an authorized technician.
Connect the wires from the external thermostat to the "Term opt" terminal on the stove board. Activate the external thermostat (default setting OFF) as indicated below:
- Press the "menu" button.
- Scroll with the arrows to "Settings".
- Select by pressing "menu".
- Scroll with the arrows again to "Ext.Thermostat".
- Select by pressing "menu".
- Press the - + buttons.
- To activate the external thermostat select "on".
- Press the "menu" button to confirm.

5.10 ELECTRIC CONNECTION

Warning: the appliance must be installed by an authorized technician!

- The electric connection occurs through a cable with plug put in an electric socket which is able to support charge and tension specific of every model, as described in the technical datas table (see **FEATURES a pag. 23**).
- The plug must be easily accessible when the appliance is installed.
- Please further assure you that your network is endowed with an efficient earth connection: if it does not exist or if it is not efficient, please endow you with one in compliance with the law.
- Connect the supply cable first on the back of the stove (see **Fig. 19**) and then at a wall electric socket.

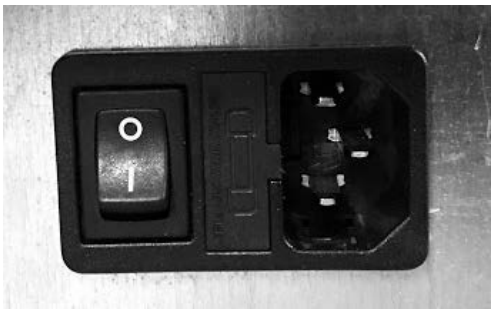

Fig. 19 - Electric socket with master switch

- The master switch O/I (see **Fig. 19**) is to open only to switch the stove on, otherwise it is advisable to keep it off.
- Do not use extension cables.
- If the feeder cable is damaged, it must be replaced by an authorized technician.
- When the stove is not going to be used for a long period of time, it advisable to remove the plug from the socket on the wall.

5.11 AIR REGULATOR

The stove is fitted with a removable rear air regulator.
The stove is regulated according to the flue data and pellet used, as per the technical features (see **FEATURES a pag. 23**).
If the data does not match, the authorised technician can increase the stove draft by removing/loosening the ring located inside the air inlet pipe (see **Fig. 20**).

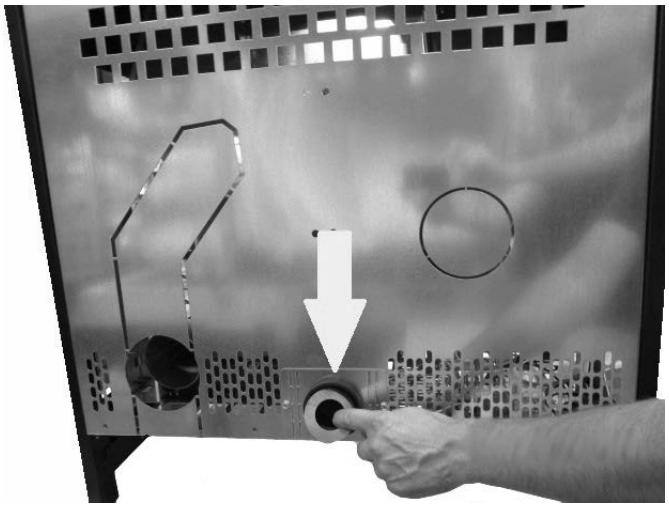

Fig. 20 - Ring removal

Air regulator opening 35 mm for nominal power with flue 11 Pa.

5.12 FRAME³ AND QUASIMODO³ HOT AIR DUCTING (OPTIONAL)

WITH THE INSTALLATION OF THE DUCTING, IT IS NECESSARY TO LOAD THE NEW DATABASE IN THE BOARD (DATABASE NO. 07).
SEE "SERVICE MANUAL".

By default, the insert inserts the hot air into the environment from both the front vents.
It is possible to channel the left air on the back of the stove, through a ducting kit.
To assemble the kit, proceed as follows

- Remove the 4 fixing screws of the left fan (see **Fig. 21** and **Fig. 22**).
- Remove the fan.

Fig. 21 - Remove the screws

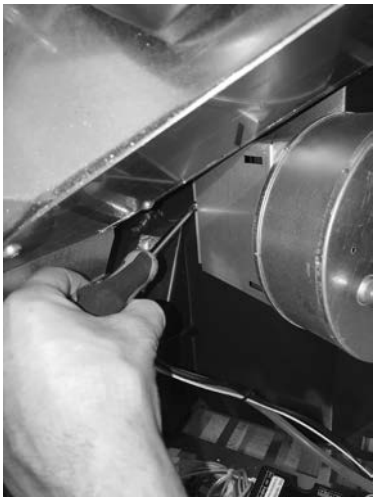

Fig. 22 - Remove the screw

Proceed as follows to assemble the casing to the fan:

- Tighten the flange to the fitting (see **Fig. 23**).
- Fix the flange + fitting to the fan (see **Fig. 24** and **Fig. 25**).

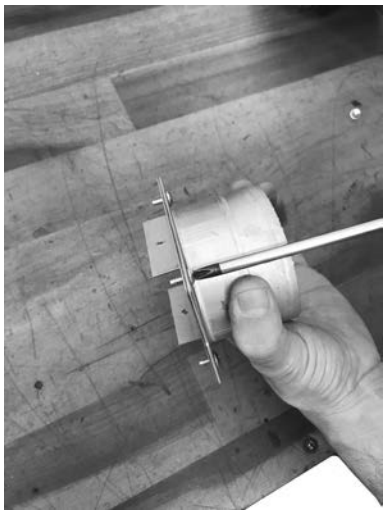

Fig. 23 - Fix the flange to the fitting

Fig. 24 - Fix the flange + fitting to the fan

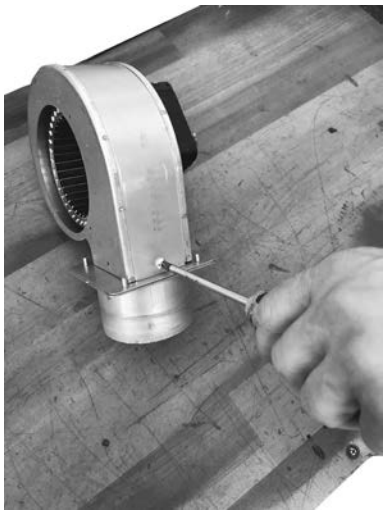

Fig. 25 - Fix with screws

- Fix the casing cover to the fan as in **Fig. 26**.
- Assemble everything to the casing and fix it with the screws (see **Fig. 27** and **Fig. 28**).

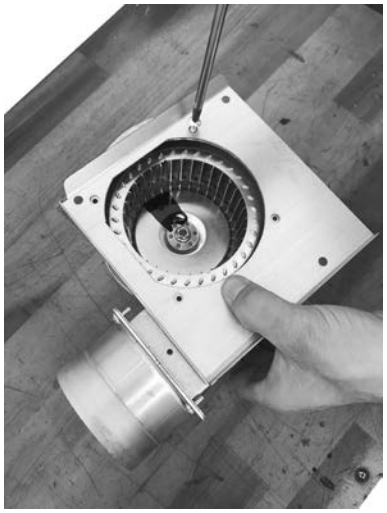

Fig. 26 - Fix the cover

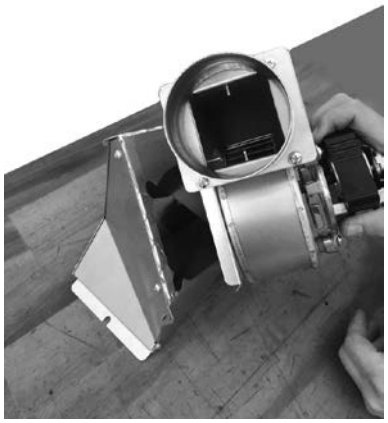

Fig. 27 - Fix the fan to the casing

Fig. 28 - Fix with screws

- Fix the casing + fan to the stove with the screws (see **Fig. 29**).
- Position the fitting at 45° to the fan fitting (see **Fig. 30**).
- Remove the precut cap from the back of the stove.
- Fix the back to the stove and engage the pipe for the ducting (see **Fig. 31**).

Fig. 29 - Fix the casing + fan to the stove

Fig. 30 - Position fitting at 45°

Fig. 31 - Back fixing

Fig. 32 - Ducting system example

- A stove with no ducting has a variable air flow rate from a minimum of 61 m^3/h to a maximum of 130 m^3/h, and an air temperature which varies from a minimum of 90°C to a maximum of 136°C.
- In the case of ducting, it is recommended not to exceed 6 metres of pipe and 3 x 90° bends, otherwise the hot air loses its effectiveness.
- Use pipes with an 80 mm diameter with smooth internal walls.
- If the pipes pass through cold walls, insulate the pipe with insulating material.
- Place a protective grille with large mesh and a total minimum net surface area of 40 cm^2 over the outlet.
- After the 6 metres of pipe there can be a variable air flow rate from a minimum of 58 m^3/h to a maximum of 83 m^3/h, and an air temperature which varies from a minimum of 65°C to a maximum of 99°C. (These values have been recorded in the laboratory, there may be differences in both flow rate and temperature in the installation room).
- If you wish to increase the air flow, install a small wall-mounted fan on the outlet with a flow rate of more than 130 m^3/h, this should be performed by an authorised technician.
- With factory parameters 1/2 of the heat produced by the stove is conveyed into the room where it is installed, the remaining 1/2 comes out from the ducting on the left.
- To get the best performance you need to balance the power with the air flow. This operation must be performed with the assistance of an authorised technician.
- The ductable fans cannot be deactivated, but they can be operated at a power value between 1 and 5 or in automatic mode.

5.13 MODO AIRTIGHT CONCENTRIC PIPE INSTALLATION

The stove is designed for the connection of the concentric pipe.
Proceed as follows to connect:

- Remove the back of the stove (see **Fig. 33**).
- Unscrew the smoke exhaust (see **Fig. 34**).
- Remove the ring (see **Fig. 35**).

Fig. 33 - Removing the back

Fig. 34 - Unscrewing the exhaust

Fig. 35 - Removing the ring

- Position the pipe for the upper exhaust with the concentric pipe on the top part (see **Fig. 36**).
- Fasten the concentric pipe (see **Fig. 37**).
- Remove the ring inside the silicone fitting (see **Fig. 38**).

Fig. 36 - Upper exhaust

Fig. 37 - Secure the concentric pipe

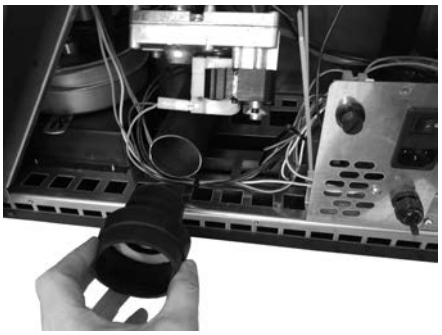

Fig. 38 - Remove the silicone fitting

- Connect the 2 combustion air inlets with the flexible hose (see **Fig. 39** and **Fig. 40**) and secure with the metal clamps.

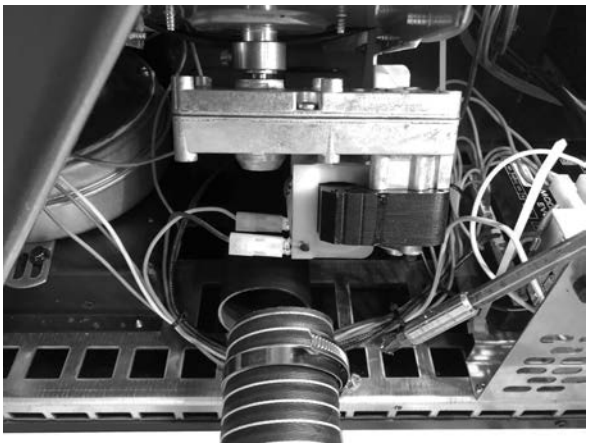

Fig. 39 - 2-inlet connection

Fig. 40 - 2-inlet connection

5.14 STOVE CALIBRATION AND DEPRESSION MEASUREMENT

This stove has a pickup point positioned on the tank in order to measure the depression of the combustion chamber and verify its proper operation.
To do this, proceed as follows:

- Connect a digital pressure switch with a tube to detect the negative pressure (see **Fig. 41** and **Fig. 42** or **Fig. 43**).
- Load the feed screw via appropriate function.
- Start the stove and set "Set flame" to power 1 (the start-up time of this stove lasts between 8 and 10 minutes to ensure minimum draught).
- Compare the read values with those on the table.
- Change power every 10 minutes and wait for it to stabilise.
- Access the user menu and, if necessary, change the parameters.

Fig. 41 - Frame³ cap removal

Fig. 42 - Frame³ digital pressure switch connection

Fig. 43 - Modo At and Quasimodo³ Up digital pressure switch connection

DATA	P1	P2	P3	P4	P5
Stove depression - temperature 9 kW	18/19 Pa - 110°C	28/29 Pa - 135°C	38/39 Pa - 152°C	42/43 Pa - 176°C	47/48 Pa - 192°

NB: for good combustion, the depression values must be between + -5 Pa and the temperature values between + - 10°C.

6 SPECIAL MAINTENANCE

6.1 INTRODUCTION

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

- Fume outlet pipes (fume conduit + chimney flue + chimney pot) must always be cleaned, scrubbed and checked by an autho-rized technician in compliance with local regulations, with the instructions of the manufacturer and those of your insurance company.
- It is also necessary to have the combustion chamber, motors and fans cleaned and to have the gaskets and the electronical elements checked at least once a year.

All these operations must be planned in time with your Autorized 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 Autorized Retailer.

6.2 FEED SCREW MAINTENANCE

Proceed as follows for the feed screw maintenance:

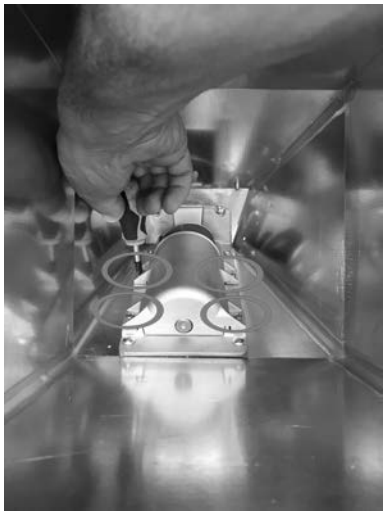

Fig. 44 - Screw removal

Fig. 45 - Coque removal

Fig. 46 - Gear motor removal

- Enter the tank and loosen the 4 screws of the feed screw coque (see **Fig. 44**).
- Remove the coque (see **Fig. 45**).
- Remove the gear motor by loosening the locking screw (see **Fig. 46**).

Fig. 47 - Spiral removal

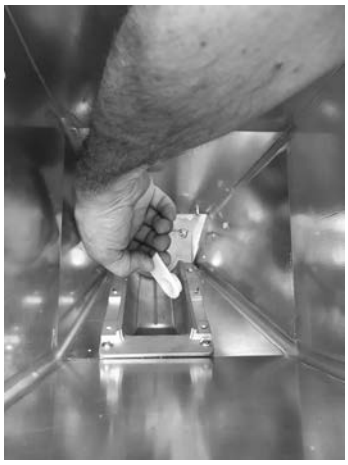

Fig. 48 - Bearing removal

- Remove the spiral (see **Fig. 47**).
- If worn, remove the bearing (see **Fig. 48**) and replace it.
- To reassemble, proceed in reverse order.

6.3 FUME FAN CLEANING

Clean every the year the fume fan from ash or dust which can cause a blade unbalance and a greater noise.

- Remove the right side panel (see **REMOVE SIDE PANELS FRAME3 a pag. 9**) and loosen the screw behind the right fan (see **Fig. 49**).
- Remove the front screws of the fan (see **Fig. 50** and **Fig. 51**).

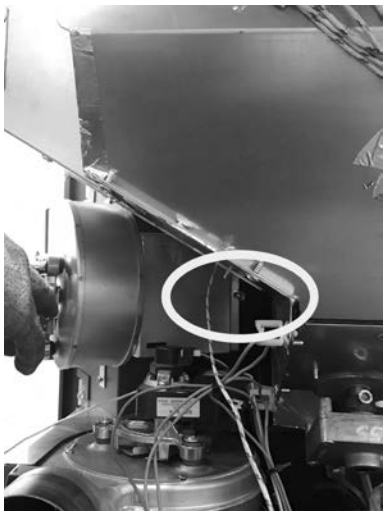

Fig. 49 - Loosen the screw

Fig. 50 - Remove screw 1

Fig. 51 - Remove screw 2

- Disconnect the wiring and remove the fan (see **Fig. 52**).
- Remove the flue gas extractor screws (see **Fig. 53**) and proceed with cleaning.

Fig. 52 - Remove the fan

Fig. 53 - Remove the screws

- Clean with a brush and vacuum the soot inside (see **Fig. 54** and **Fig. 55**).
- Once thoroughly cleaned, put everything back together.

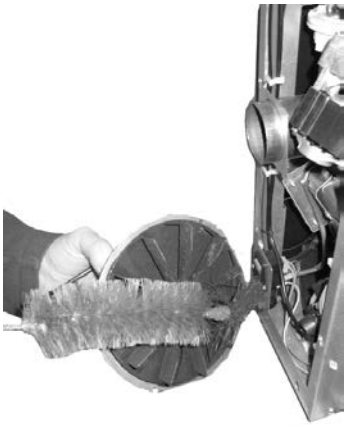

Fig. 54 - Cleaning 1

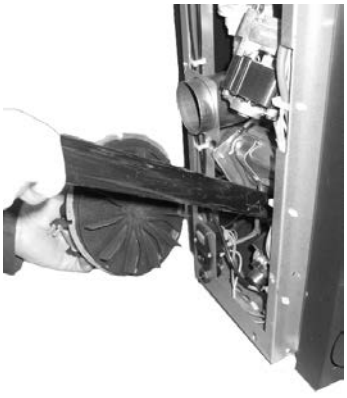

Fig. 55 - Cleaning 2

6.4 FUME CONDUIT CLEANING

The exhaust system must be cleaned every season (or every 1500 operation hours).

Fig. 56 - Fume conduit cleaning

Fig. 57 - Fume conduit cleaning

- Remove the inspection lid of the T-union (see **Fig. 56**, **Fig. 57**).
- Extract the ash which has accumulated in the inner.
- After cleaning repeat the operation in reverse order, checking the condition and efficiency of the gasket, and if necessary replace it.

It is important to sealed the cap othrwise noxiuous fumes will propagate among the room.

6.5 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 eficiency and will release a written declaration of the safety of the appliance. This operation must be executed at least once a year.

6.6 GASKET REPLACEMENT

In case of deterioration of fire door, hopper or fume chamber gaskets, it is necessary to replace them by an autorized technician in order to guarantee the good running of the stove.

Use exclusively original spare parts.

7 IN CASE OF ANOMALY

7.1 PROBLEM SOLVING

Before of every Authorized Technician intervention, the same Technician has the duty to check if the parameters of the mother board correspond to those of the table you own.

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
The control display does not switch on	The stove is without power supply	Check if the plug is connected.	
	Burned protection fuse in the electric socket	Replace the protection fuses in the electric socket (3.15A-250V).	
	Faulty control display	Replace the control display.	
	Faulty flat cable	Replace the flat cable.	
	Faulty electronic board	Replace the mother board.	
Pellets do not reach the combustion chamber	Empty hopper	Full the hopper.	
	Open fire door or open pellet door	Close fire door and pellet door and check that there are no pellet grains at the gasket level.	
	Clogged stove	Fume chamber cleaning	
	Auger blocked by a foreign object (for example nails)	Clean the auger.	
	The auger geared motor is out of order	Replace the geared motor.	
	Check if on the display there is an "ACTIVE ALARM"	Have the stove checked.	

PROBLEM	CAUSE	SOLUTION	INTERVENTION
The fire extinguish and the stove stops	Empty hopper	Full the hopper.	
	Auger blocked by a foreign object (for example nails)	Clean the auger.	
	Bad quality pellets	Try other types of pellets.	
	Pellet drop value too low "phase 1"	Adjust the pellet loading.	
	Check if on the display there is an "ACTIVE ALARM"	Have the stove checked.	
Flames are weak and orange coloured, pellets do not burn properly and the glass blackens	Not sufficient combustion air	Check as following: probable obstructions of the combustible air inlet from the back or from the bottom of the stove; burning pot obstructed holes with too ash remains. Have the fan blades and auger cleaned.	
	Obstructed exhaust	The exhaust chimney is partially or totally obsturcted. Contact an expert stove-repairer who checks the stove from the exhaust up to the chimney pot. Provide immediately for stove cleaning.	
	Obstructed stove	Provide immediately at the inner cleaning of the stove.	
	The fume fan is out of order	The pellets can burn also thanks to chimney flue depression without the aid of the fume fan. Have the fume fan immediately replaced. It can be noxious to health to let the stove running without fume fan.	
The exchanger fan continues to turn even though the stove has just cooled	Faulty fume temperature probe	Replace the fume probe.	
	Faulty mother board	Replace the mother board.	
Ash remains along the stove	Faulty or out of order door gaskets	Replace the gaskets.	
	Not sealed fume pipes	Contact an expert stove-repairer who will immediately provide for sealing the junctions with high-temperature silicone and/or for replacing pipes with those in compliance to current regulations. A not sealed fume channelisation can be noxious to health.	

PROBLEM	CAUSE	SOLUTION	INTERVENTION
The stove is at its highest power but does not heat up.	Ambient temperature reached.	The stove is at its minimum value. Increase the desired ambient temperature.	
Stove running and display showing "Smoke Overtepe-rature"	Reached fume outlet limit temperature	The stove runs at minimum. NO PROBLEM!	
The stove's smoke duct produces condensation	Low smoke temperature	Check that the flue is not clogged.	
		Increase stove power to minimum (pellet drop and fan revs).	
		Install condensation collection cup.	
Stove running and display showing "SERVICE"	Routine maintenance alert (it does not block the system)	When this flashing message appears upon start-up, it means that the preset operating hours have elapsed before maintenance. Contact the service centre.	
"Pellet reserve enabling" activates with the tank full	Failure to reach the threshold temperature, large or poor quality pellet, clogged fume passage	Increase pellet with "Pellet Recipe" or clean the combustion chamber	

8 TECHNICAL DATAS

8.1 FUSE REPLACEMENT

For fuse replacement in the electric socket which stands on the back of the stove, extract the fuses to change with the aid of a screwdriver for opening the shutter (see **Fig. 58**).

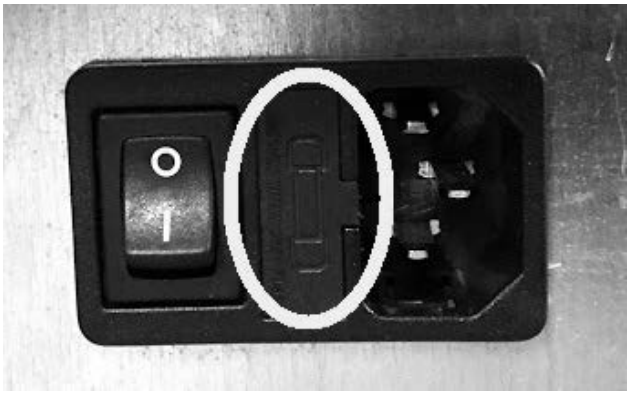

Fig. 58 - Shutter with fuses to remove

9 FEATURES

DESCRIPTION	FRAME³ 7 kW	FRAME³ 9 kW	FRAME³ UP 9 kW
WIDTH	70,3 cm	70,3 cm	70,3 cm
DEPTH	53 cm	53 cm	53 cm
HEIGHT	78 cm	78 cm	78 cm
WEIGHT	105 kg	105 kg	106 kg
INTRODUCED THERMAL POWER (Min/Max)	2,85 - 7,91 kW	2,85 - 10,51 kW	2,85 - 10,51 kW
NOMINAL THERMAL POWER (Min/Max)	2,7 - 7,2 kW	2,7 - 9,3 kW	2,7 - 9,3 kW
EFFICIENCY (Min/Max)	93,9 - 91 %	93,9 - 89 %	93,9 - 89 %
FLUE GAS TEMPERATURE (Min/Max)	76 - 147 °C	76 - 190°C	76 - 190°C
MAXIMUM FLUE GAS FLOW RATE (Min/Max)	2,8 - 4,8 g/s	2,8 - 5,7 g/s	2,8 - 5,7 g/s
CO EMISSIONS (13% O2) (Min/Max)	0,021 - 0,009 %	0,021 - 0,009 %	0,021 - 0,009 %
OGC EMISSIONS (13% O_2) (Min/Max)	3,2 - 1,0 mg/Nm3	3,2 - 2,1 mg/Nm3	3,2 - 2,1 mg/Nm3
NOX EMISSIONS (13% O_2) (Min/Max)	108 - 116 mg/Nm3	108 - 119 mg/Nm3	108 - 119 mg/Nm3
Average CO CONTENT at 13% O_2 (Min/Max)	265 - 114 mg/Nm3	265 - 107 mg/Nm3	265 - 107 mg/Nm3
Average DUST CONTENT at 13% O_2 (Min/Max)	18 - 18 mg/Nm3	18 - 19 mg/Nm3	18 - 19 mg/Nm3
FLUE NEGATIVE PRESSURE (Max)	11,4 Pa	11,8 Pa	11,8 Pa
ON SHARED FLUE	NO	NO	NO
FLUE GAS EXHAUST DIAMETER	Ø80 mm	Ø80 mm	Ø80 mm
FUEL	Pellet Ø6-7 mm	Pellet Ø6-7 mm	Pellet Ø6-7 mm
PELLET HEATING CAPACITY	5 kWh/kg	5 kWh/kg	5 kWh/kg
PELLET HUMIDITY	≤ 10%	≤ 10%	≤ 10%
HEATABLE VOLUME 18/20°C Coeff. 0.045 kW (Min/Max)	65 - 173 m3	65 - 223 m3	65 - 223 m3
HOURLY CONSUMPTION (Min/Max)	0,59 - 1,64 kg/h	0,59 - 2,18 kg/h	0,59 - 2,18 kg/h
HOPPER CAPACITY	15 kg	15 kg	15 kg
RANGE (Min/Max)	25 - 9,1 h	25 - 6,9 h	25 - 6,9 h
POWER SUPPLY	230 V - 50 Hz	230 V - 50 Hz	230 V - 50 Hz
ABSORBED POWER (Max)	346 W	346 W	346 W
STARTER RESISTANCE ABSORBED POWER	300 W	300 W	300 W
MINIMUM EXTERNAL AIR VENT (final cross-section)	80 cm2	80 cm2	80 cm2
SEALED CHAMBER STOVE	YES	YES	YES
EXTERNAL AIR VENT FOR SEALED CHAMBER	60 mm	60 mm	60 mm
DISTANCE FROM COMBUSTIBLE MATERIAL (back/side/bottom)	200 / 200 / 0 mm	200 / 200 / 0 mm	200 / 200 / 0 mm
DISTANCE FROM COMBUSTIBLE MATERIAL (ceiling/front)	750 / 1000 mm	750 / 1000 mm	750 / 1000 mm

DESCRIPTION	MODO AIRTIGHT	QUASIMODO³ UP	.
WIDTH	70 cm	70 cm	
DEPTH	58 cm	58 cm	
HEIGHT	56 cm	56 cm	
WEIGHT	95 kg	108 kg	
INTRODUCED THERMAL POWER (Min/Max)	2,85 - 10,51 kW	2,85 - 10,51 kW	
NOMINAL THERMAL POWER (Min/Max)	2,7 - 9,3 kW	2,7 - 9,3 kW	
EFFICIENCY (Min/Max)	93,9 - 89 %	93,9 - 89 %	
FLUE GAS TEMPERATURE (Min/Max)	76 - 190°C	76 - 190°C	
MAXIMUM FLUE GAS FLOW RATE (Min/Max)	2,8 - 5,7 g/s	2,8 - 5,7 g/s	
CO EMISSIONS (13% 02) (Min/Max)	0,021 - 0,009 %	0,021 - 0,009 %	
OGC EMISSIONS (13% O_2) (Min/Max)	3,2 - 2,1 mg/Nm3	3,2 - 2,1 mg/Nm3	
NOX EMISSIONS (13% O_2) (Min/Max)	108 - 119 mg/Nm3	108 - 119 mg/Nm3	
Average CO CONTENT at 13% O_2 (Min/Max)	265 - 107 mg/Nm3	265 - 107 mg/Nm3	
Average DUST CONTENT at 13% O_2 (Min/Max)	18 - 19 mg/Nm3	18 - 19 mg/Nm3	
FLUE NEGATIVE PRESSURE (Max)	11,8 Pa	11,8 Pa	
ON SHARED FLUE	NO	NO	
FLUE GAS EXHAUST DIAMETER	Ø80 mm	Ø80 mm	
FUEL	Pellet Ø6-7 mm	Pellet Ø6-7 mm	
PELLET HEATING CAPACITY	5 kWh/kg	5 kWh/kg	
PELLET HUMIDITY	≤ 10%	≤ 10%	
HEATABLE VOLUME 18/20°C Coeff. 0.045 kW (Min/Max)	65 - 223 m3	65 - 223 m3	
HOURLY CONSUMPTION (Min/Max)	0,59 - 2,18 kg/h	0,59 - 2,18 kg/h	
HOPPER CAPACITY	11,5 kg	11,5 kg	
RANGE (Min/Max)	19 - 5,3 h	19 - 5,3 h	
POWER SUPPLY	230 V - 50 Hz	230 V - 50 Hz	
ABSORBED POWER (Max)	346 W	346 W	
STARTER RESISTANCE ABSORBED POWER	300 W	300 W	
MINIMUM EXTERNAL AIR VENT (final cross-section)	80 cm2	80 cm2	
SEALED CHAMBER STOVE	YES	YES	
EXTERNAL AIR VENT FOR SEALED CHAMBER	60 mm	60 mm	
DISTANCE FROM COMBUSTIBLE MATERIAL (back/side/bottom)	200 / 200 / 0 mm	200 / 200 / 0 mm	
DISTANCE FROM COMBUSTIBLE MATERIAL (ceiling/front)	750 / 1000 mm	750 / 1000 mm	

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