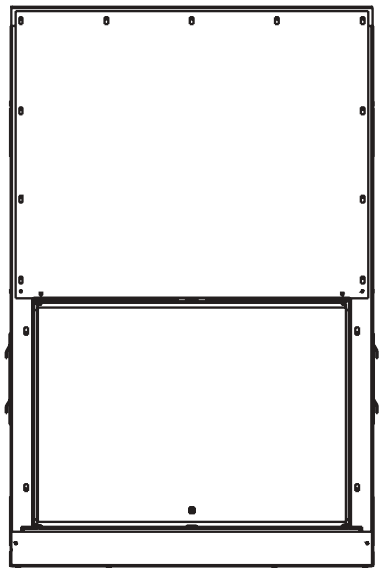
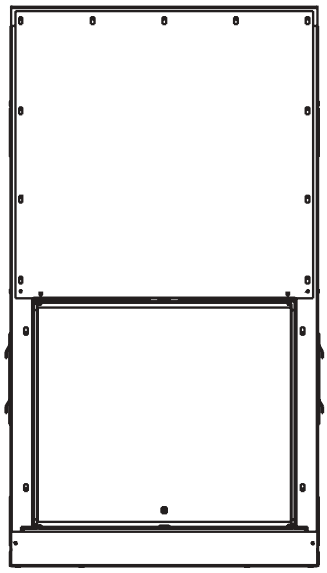
BODART &GONAY®

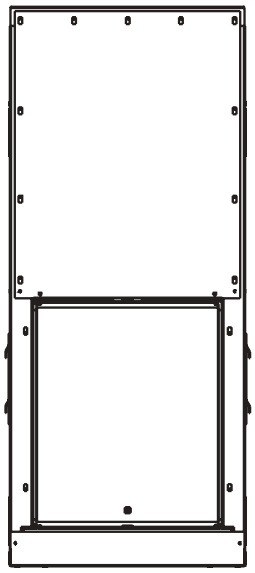
Recommendations
Instructions for use and maintenance
Installation instructions



PHENIX 1000



PHENIX 850



PHENIX 650

Dear Customer,

Congratulations on the purchase of your Bodart & Gonay appliance.
We are delighted that you have chosen a product entirely designed and produced by our company.

In order to get the best use of your new appliance, we strongly recommend that you carefully read and keep this notice.

You should also carefully keep your proof of purchase which will determine the expiry date of your guarantee.

We wish you much enjoyment and warmth by your Bodart & Gonay hearth.

The Customer Service

NOTE
(to be completed by the installer)

* PHENIX II appliance

* REFERENCES: 47B10BOV PHENIX 1000
47B85BOV PHENIX 850
47B65BOV PHENIX 650

* PURCHASE DATE: ..... / ..... / .....

* SERIAL NUMBER:
(visible on the hearth identification label,
see p 5 no 26, description of parts)
.....

* DISTRIBUTOR:

Name .....

No / Street .....

Town .....

Post code .....

Tel. .....

Note:
Your supplier is the specialist chosen by BODART & GONAY to represent our company in your region.

For your SAFETY and SATISFACTION, we advise you to entrust the supplier with the installation of your appliance.

All local and national regulations and European standards should be respected in the installation and use of the appliance.

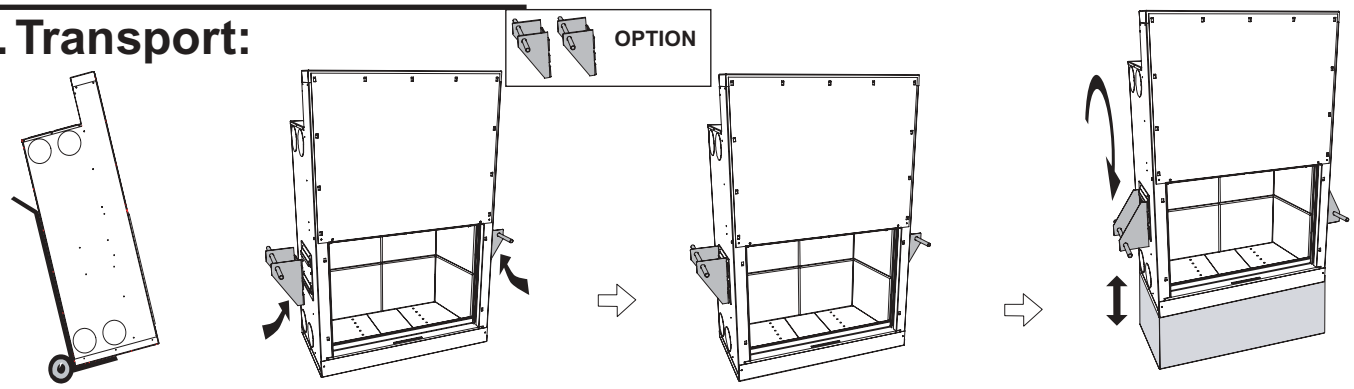
However, if you wish to install the appliance yourself, to avoid any misunderstandings we recommend that you
- refer to the terms of our guarantee agreement,
- take the advice of your supplier.

Because it is impossible to cover all the features of every individual case, our instructions for installation will only cover the most important points.

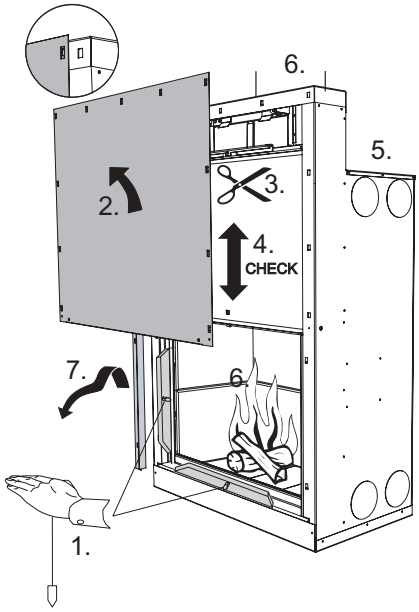
CONTENTS

RECOMMENDATIONS

1. Transport:



2. Installation:



1. The hearth must be absolutely level (references: from side and front edge of the fire box).

2. Unscrew the two screws on the front and remove.

3. Cut the Colson collar around the counterweight and the support.

4. Ensure that the door is operating correctly (lateral opening, lifting/ lowering)

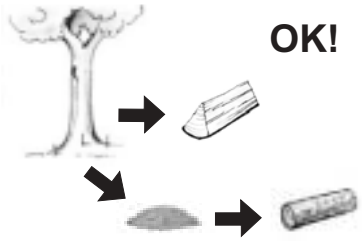
5. Open hot air vents and if required the hot air intakes for natural convection (see pp 19 & 20)

6. After connecting to the chimney, we recommend that you fire up the Phenix (door opened and door closed) before closing the decorative chimney.

7. The finishing covers may be removed to facilitate the installation of the decorative chimney. Always remove or replace the covers with door in the «down» position.

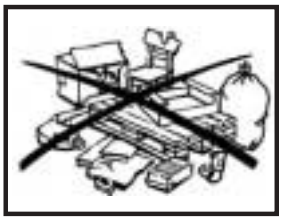
It is imperative that the masks side can always be dismantled.

3. Fuel:



OK!

The appliances burns dry wood in logs and logs made of compressed wood chips.
Do not add too much wood at once.
Briquettes may also be used.
Under no circumstances may this appliance be used as an incinerator!



4. The first fire bakes the painted surface, which results in a release of fumes.

Air the room!

Do not touch the paint until the hearth has cooled, because it softens initially before hardening permanently.

5. Options:

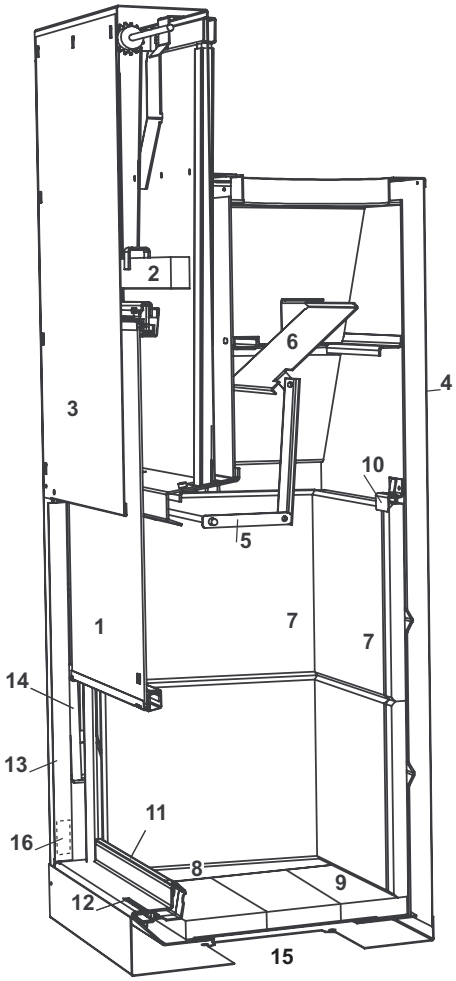
1. Fan and variator: must be in operation when there is a fire in the hearth. See installation, p. 22

2. Surround: Installation of surround before brickwork! See installation, p. 23

INSTRUCTIONS FOR USE AND MAINTENANCE

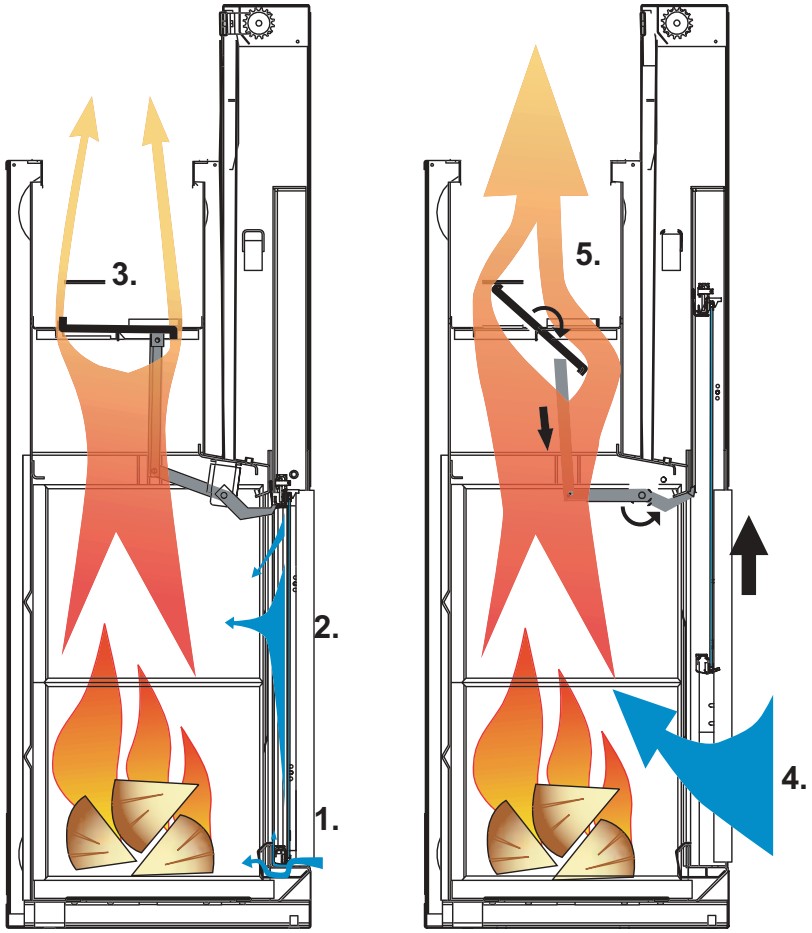
1.Use:

1.1. Description of parts



1. Door
2. Counterweight and support.
3. Cover façade
4. Cover
5. Automatic key transmission
6. Automatic key valve
7. Side plates
8. Lateral base plates
9. Base bricks
10. Maintenance of vermiculite plaque
11. Air distributors
12. Air regulator
13. Finishing covers
14. Guiding shafts
15. Ventilation panel
16. Hearth identification label

1.2. Automatic lock principle



1. Primary combustion air.

2. Secondary smoke extraction and post-combustion air.

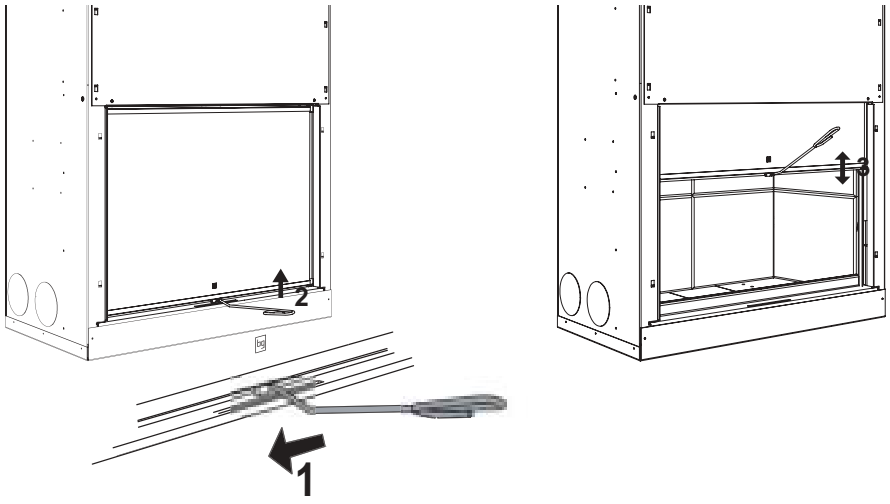
3. Cross section of smoke vent equivalent to cross section of primary and secondary air intakes.

4. Air intake door open.

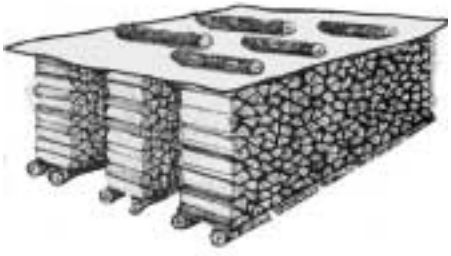
5. Cross section of smoke vent equivalent to cross-section of hearth vent.

Note:
Automatic inversion of the key when the door is lifted open.

1.3. Opening and closing the hearth

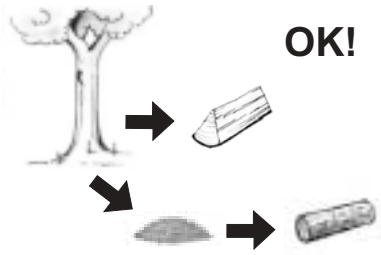


1.4. Fire flue



The **quality of the wood is of vital importance to the optimum operation of the hearth** (heat output and power, cleanliness of the glass).

High quality wood is:
- dry, having been dried for at least two years under ventilated shelter.

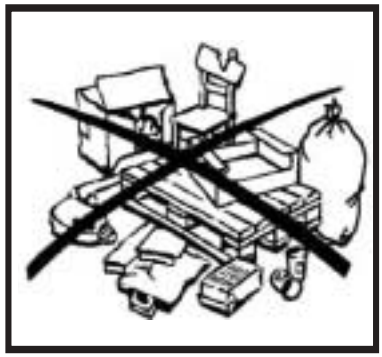


- preferably from deciduous trees rather than resinous trees which tend to burn fast while producing a lot of soot.
In order of preference: hornbeam, oak, beech.

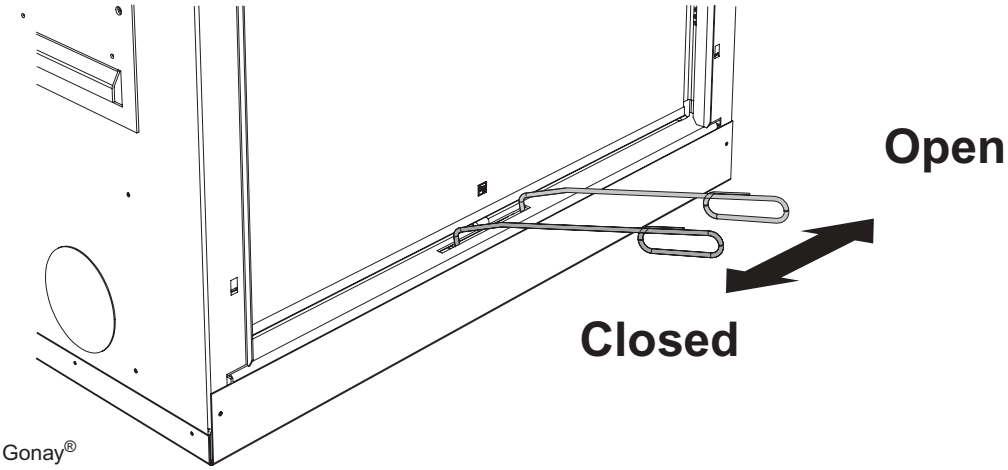
- logs made from compressed wood chips and briquettes may also be used.

An excessive quantity of wood leads to:

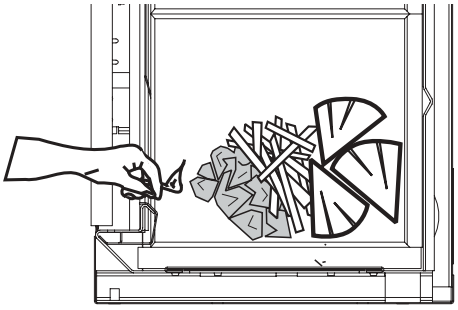
- lower output and an increase in wood consumption.
- a significant loss of heat via the chimney.
- premature wear to the hearth.



1.4.1. Air regulator



1.4.2. Lighting



* Set the air regulator in the maximum position (to the right)
* Put a fire lighter or crumpled paper towards the front.
Finish with kindling in the middle.
Place 2-4 split logs (according to size) at the back.
* Light and lower the door to 4-5 cm from the bottom.

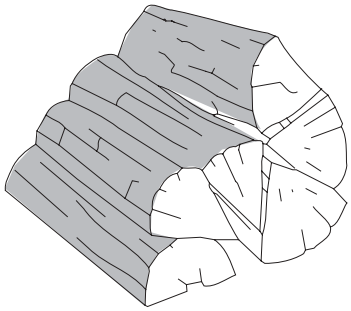
To avoid smoke condensation on the glass and help to get the fire going, the door should be left slightly open during lighting (+/- 4-5 cm less than complete closure).

DO NOT use this door position (+/- 4-5 cm before complete closure) all the time as this could damage the door.

***Close completely once the flames are well established and the glass has become hot.**

It is essential to use the fan where installed. To avoid cold draughts, start the fan 10 to 15 minutes after lighting.

1.4.3. Reduced rate



The maximum load permissible at reduced rate (with the air regulator closed) is 10 kg/hour for the PHENIX 1000, 7 kg/hour for the PHENIX 850 and 7 kg/hour for the PHENIX 650. Choose logs with a very thick cross section.
This load may only be used at reduced rate (air regulator closed) to obtain a slow-burning fire.
Parallel stacking of the logs encourages slow burning.
Add more logs when only embers remain, just after the disappearance of the last flames.

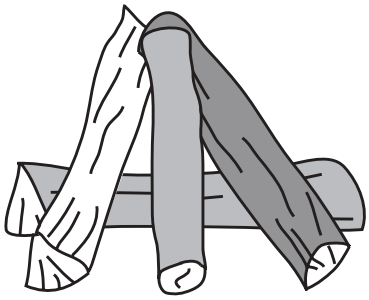
NOTE: Constant use at the reduced rate may encourage an accumulation of soot in the chimney due to condensation. This carries the risk of a chimney fire and causes the glass to become soiled.

1.4.4. Maximum rate

The maximum load permissible at maximum rate (with the air regulator open) is 5 kg/hour for the PHENIX 1000, 4 kg/hour for the PHENIX 850 and 3 kg/hour for the PHENIX 650.

Ensure that the door is properly lowered so that it closes completely and thus engages the automatic key.

1.4.5. Open fire



To build up a stock of embers sufficient for combustion in open fire mode, we recommend that you start with the door closed so that the hearth is hot and the wood is burning well.
For well-established flames, pile 2-3 logs criss-crossed.

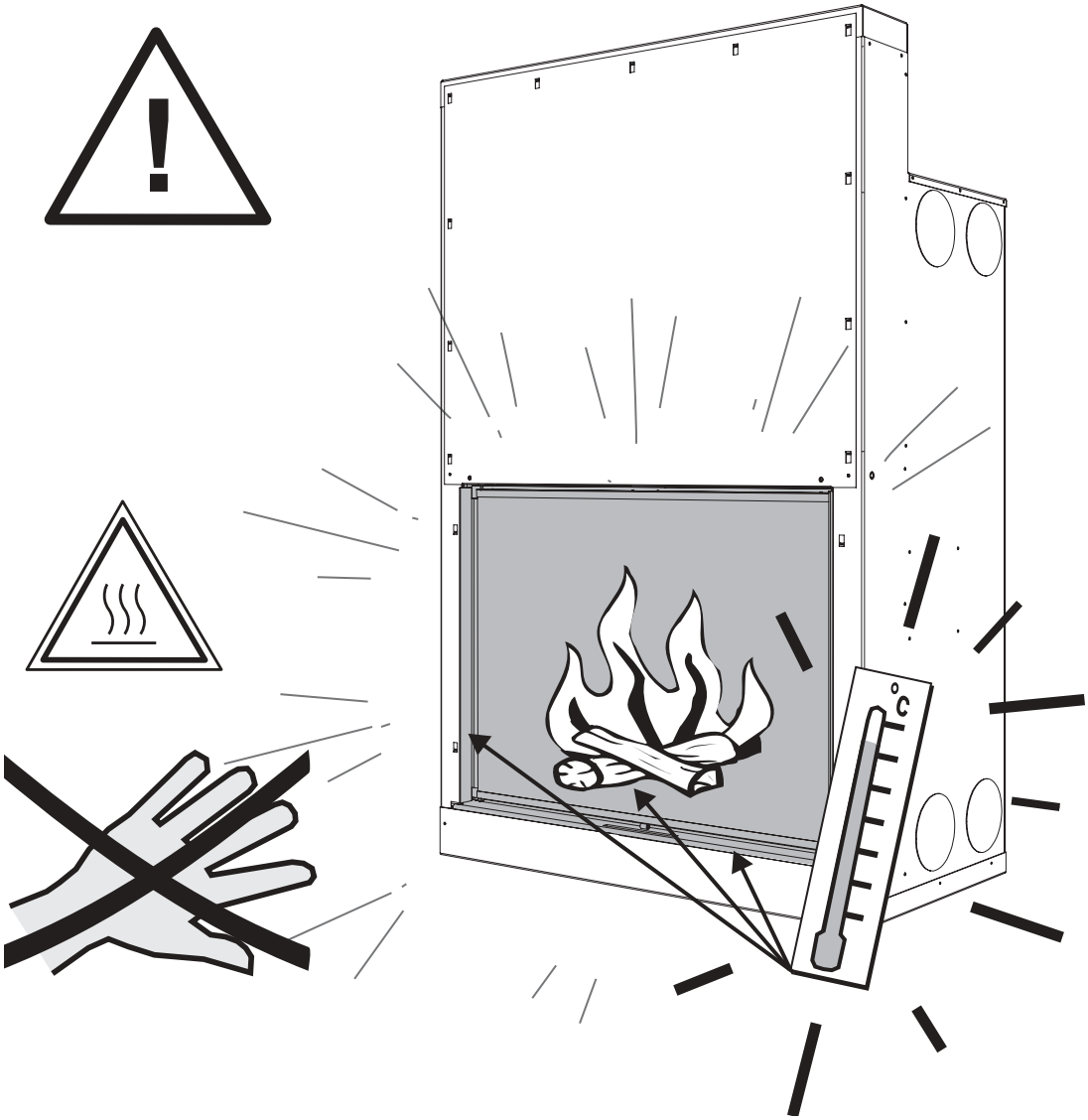
Each time more wood is added, there may be significant amounts of smoke if the wood is not sufficiently dry. If this occurs, we recommend that you keep the door closed momentarily.

NOTE: Avoid using in open fire mode under adverse weather conditions (low pressure and high humidity) - there is a danger that smoke may blow back into the room!

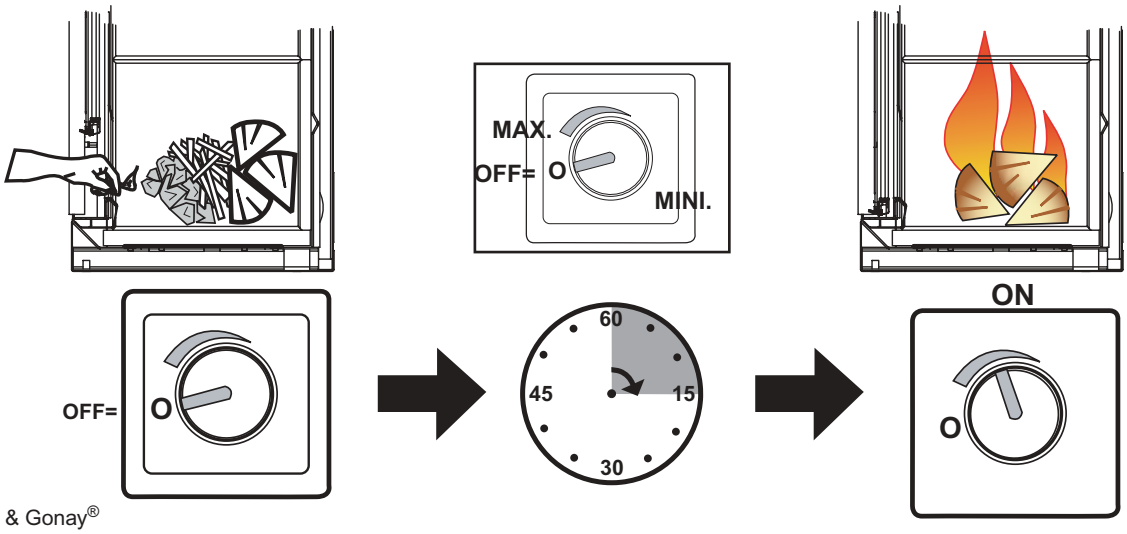
CAUTION

When the hearth is in operation, some accessible parts of the appliance reach very high temperatures, even if no flames are visible.

Do not leave children near the fire without supervision.



1.5. Option: Fan and speed variator

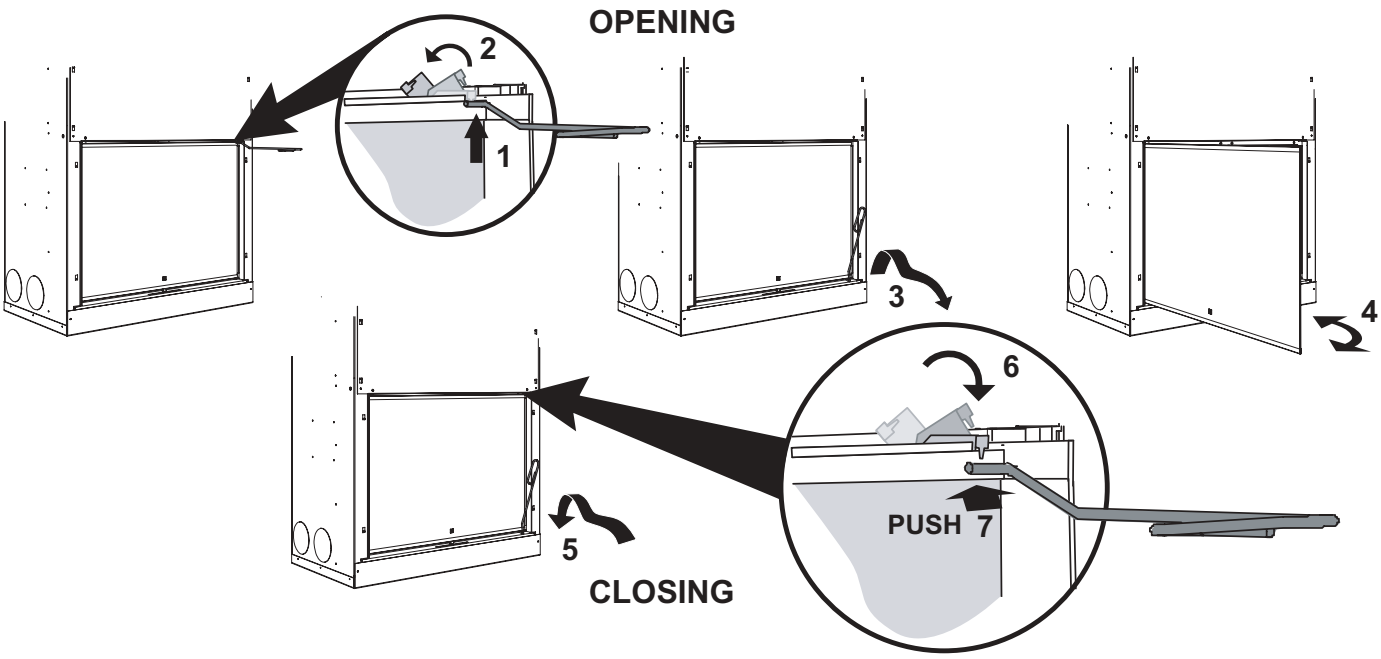


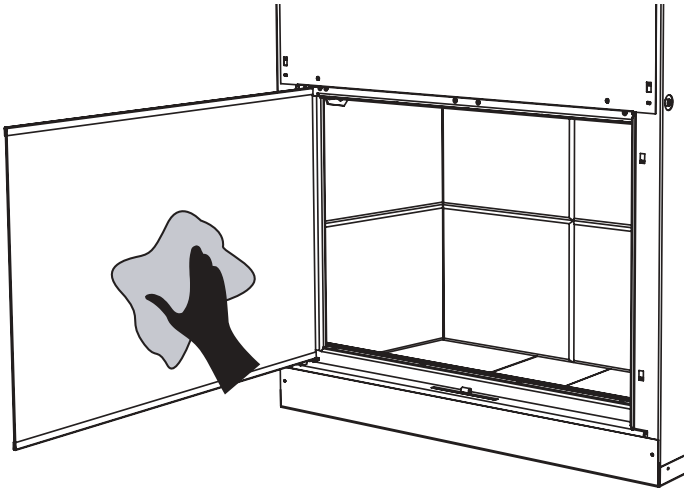
2. Maintenance:

2.1. Regular maintenance

-- Remove excess cinders, and if possible vacuum the ashes from the air distributor and air regulator.

- To clean the glass, open the door laterally and proceed as follows:





WARNING !

- Do not clean the glass while hot

- Spray the product* in the centre of the glass and spread with a cloth or absorbent paper.

- Do not use abrasive cleaning materials or acid products on the screen (the black area of glass).

- Do not use water and/or cleaning products on the painted surfaces.

-- If the fan has a dust filter, it should be cleaned frequently.

*we recommend the use of «BG Clean», available from your dealer.

«BG Clean» does not contain caustic soda and is biodegradable.

2.2. Annual maintenance

VERMICULITE PLATES

Vermiculite is **a natural mineral substance** (without asbestos) which has been processed and which is completely recyclable. These insulating plates are resistant to very high temperatures.

The vermiculite plates must not be exposed to water hence the importance of having a cover on the chimney.

A cracked plate will still provide protection. However, if a small piece is missing the plate will have to be replaced to ensure the effective protection of the combustion chamber.

Vermiculite plates are replaceable parts that can easily be changed individually. We recom mend that any damaged plates be changed. The base plates can be turned over.

CHIMNEY SWEEPING

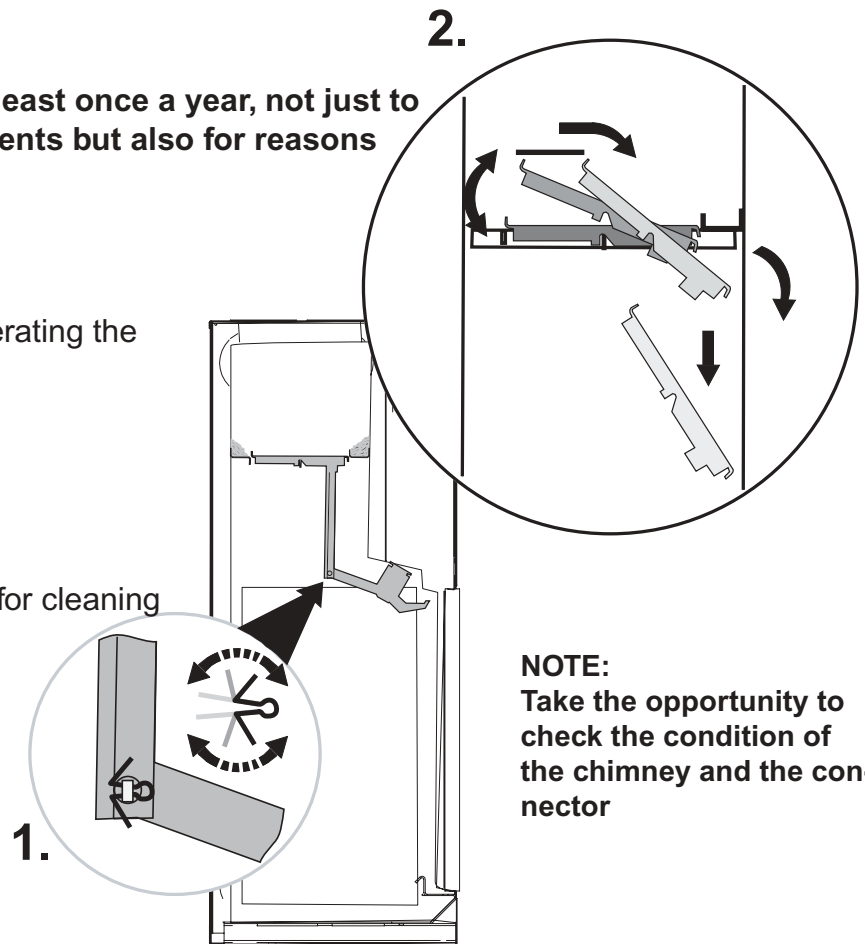
Have the chimney swept at least once a year, not just to comply with legal requirements but also for reasons of safety.

Before sweeping:

1. Remove the pin from the lever operating the automatic key.
2. Remove the valve.
3. Close the air regulator.
4. Close the hearth door.

After the dust has settled:

5. Gently open the door laterally (as for cleaning the glass).
6. Collect the dust in the hearth and the valve fixing frame.



NOTE:
Take the opportunity to check the condition of the chimney and the connector

LUBRICATION

If the hearth is used frequently, it is advisable to lubricate the guiding shaft, using only high temperature silicone lubricant **(Bodart & Gonay high temperature lubricant available in small packages from your dealer).**

DO NOT USE OTHER LUBRICANTS - at high temperature they may dry out and block the carriage

Clean the surfaces before applying the lubricant.

PAINTWORK ON METAL AREAS

Do not use water and/or cleaning products on the painted parts.

Soiled areas can be restored using special high temperature B&G paint in aerosol form, available from your dealer.

FAN (OPTIONAL, dismantling: see installation notice, p. 22)

Remove and disconnect the fan, clean the turbine blades with a brush (do not use com pressed air).

3. Operating faults

	FAULTS	CAUSES / REMEDIES
	GLASS BECOMES DIRTY TOO QUICKLY	- Door not sufficiently airtight (check the adjustment of the door). - Wood too damp- Rate of consumption too low - Inappropriate draught (too much or too little)
	'LAZY' FIRE *Without backing-up, door open*	- Air regulator insufficiently open - Too many cinders in the bottom of the hearth - Air intakes partly blocked
	With backing-up, door open	- Wood too damp or too thick - Draught too weak (bad weather conditions etc.) - Chimney flue unsuitable **See if the fire operates better with a window wide open and the kitchen extractor fan, if present, switched off. See p. 20**
	FIRE TOO FIERCE	- Air regulator open too far - Too much wood and/or logs too small - Too much draught
	NOISE FROM AIR PASSING AT THE BOTTOM OF THE DOOR AND/OR REDUCED RATE IMPOSSIBLE AND/OR VIBRATION OF GLASS	- Too much draught - Check the positioning and closure of the glass and door. - Check the air circuits (p. 20).
	DISTURBANCES TO RATE LINKED TO ATMOSPHERIC CONDITIONS	- Chimney too wind-sensitive - Chimney stack and cover to be modified
	SCRAPING NOISES OR SIGNIFICANT VIBRATIONS WHEN DOOR OPENED OR CLOSED	- Lack of lubricant to guiding shafts, use of high temperature silicon lubricant. - Adjust the door mechanism
	BACKING-UP WITH DOOR RAISED	- Bad atmospheric conditions - Draught too weak, chimney too sensitive -Too much wood added at once- Wood too damp - Key jammed, remove the door completely and operate the key manually using the door lifting tool.
Fan/ ventilation	*FAN NOT WORKING* *Power no longer reaching motor*	- Check (reconnect) the supply and cabling - Check (replace) the variator fuse - Check (replace) the variator
	Power reaching motor, but motor fails to start up	- Check (replace) the condenser - Check (replace) the fan
	FAN WORKING BUT WITH WEAK FLOW	- The dust filter is blocked - the turbine blades are covered in accumulated dust
	MINIMUM FLOW INADEQUATE	- Adjust the minimum output power of the fan/ventilation variator

NOTE: In the event of a CHIMNEY FIRE, close the door, the air regulator and the draught regulator if present immediately.

4. Guarantee

LENGTH AND RESTRICTIONS
- 6 years' guarantee on: the general structure
- 2 years' guarantee on: non-moving parts
- 1 year's guarantee on: fan and speed variator
- no guarantee on: glass, vermiculite plates

RESERVED RIGHTS
Bodart & Gonay reserve the right to alter or amend their appliances, catalogues, and instructions for use, independently, at any time and without prior notice.

Failure to follow the constraints and recommendations in these instructions shall render the guarantee void.

Work under guarantee shall be carried out exclusively by the distributor's agent on production of the purchase invoice.
Replacement parts will only be provided in exchange for the faulty ones.

EXCLUSIONS
Accidents, problems and malfunctions arising from:

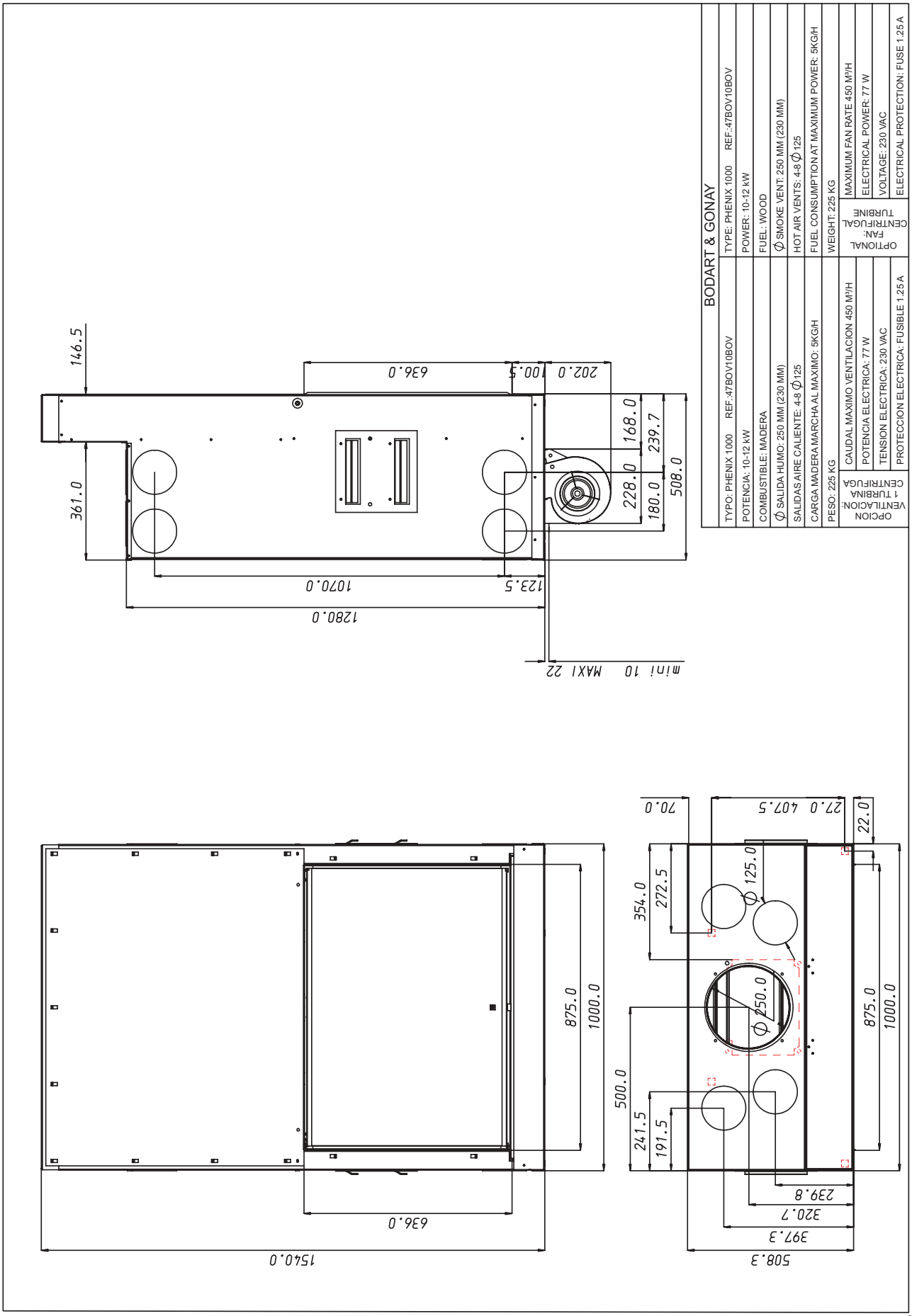
- mismatch between the nominal power of the appliance and the heat requirements of the room;
- faulty installation or connections;
- insufficient or excessive draught;
- improper use;
- incompatible, destructive or damp fuels (treated wood etc.)
- consumption exceeding the use limits;
- inadequate maintenance;
- the use of electrical and electronic components not approved by Bodart & Gonay;
- any internal modification or alteration to the hearth;
- transport and installation.

Freight and packing charges.
All expenses not agreed in advance by Bodart & Gonay.
Expenses resulting from a failure to use the appliance.

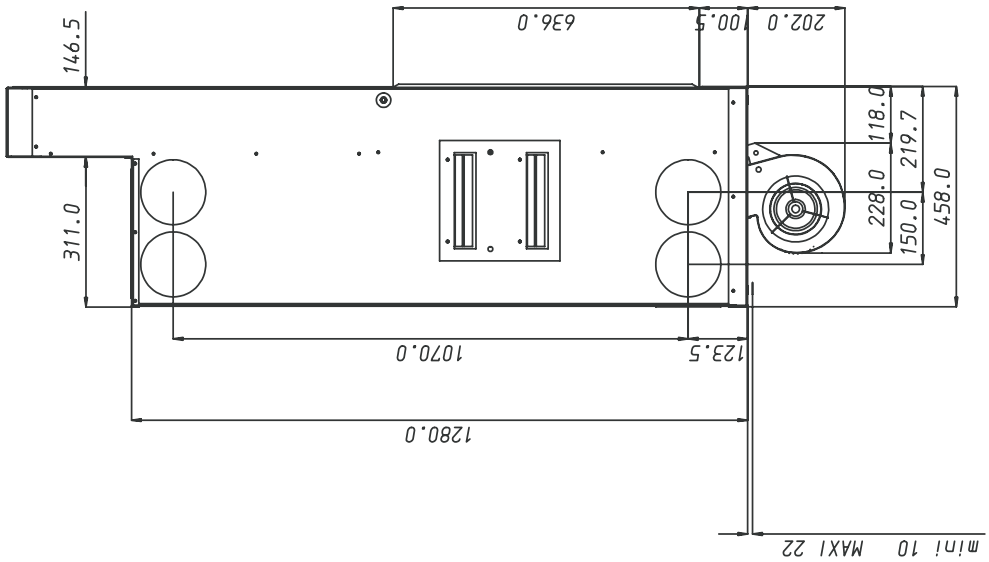
INSTALLATION INSTRUCTIONS

1. Characteristics

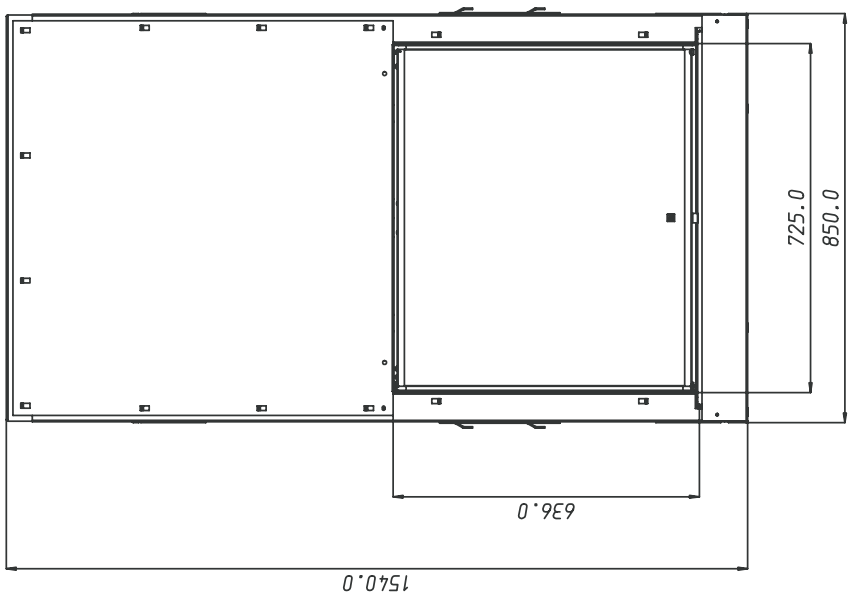
PHENIX 1000

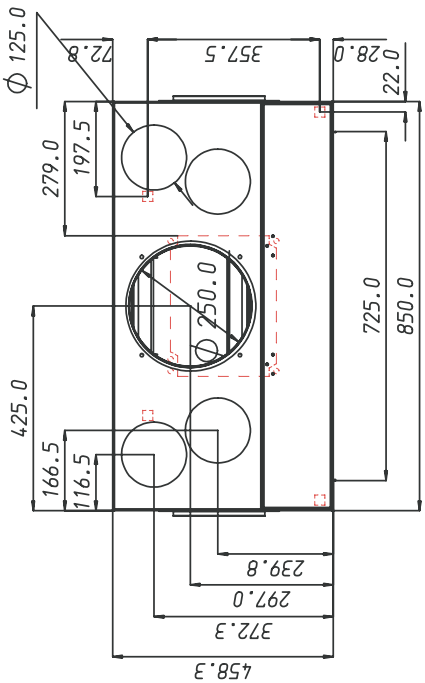


PHENIX 850

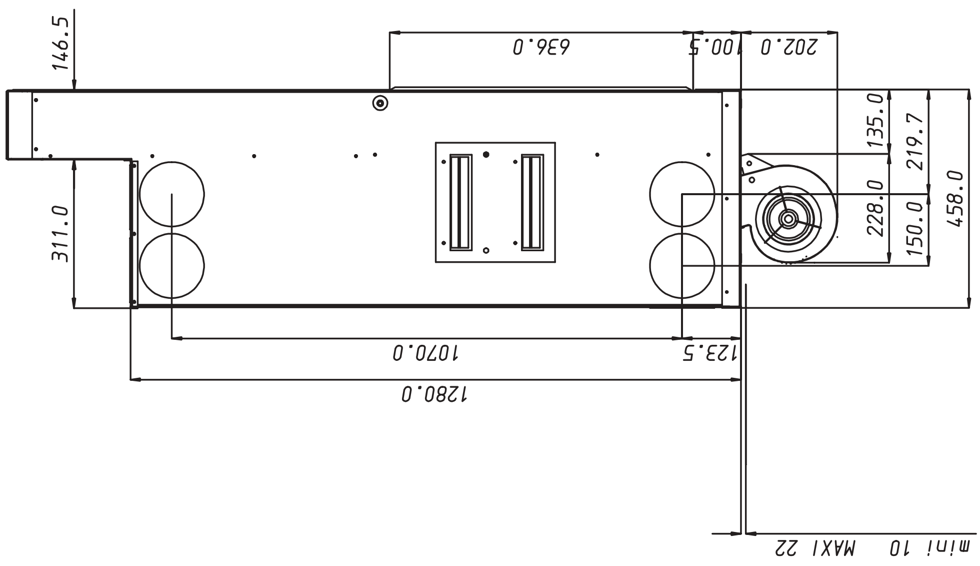


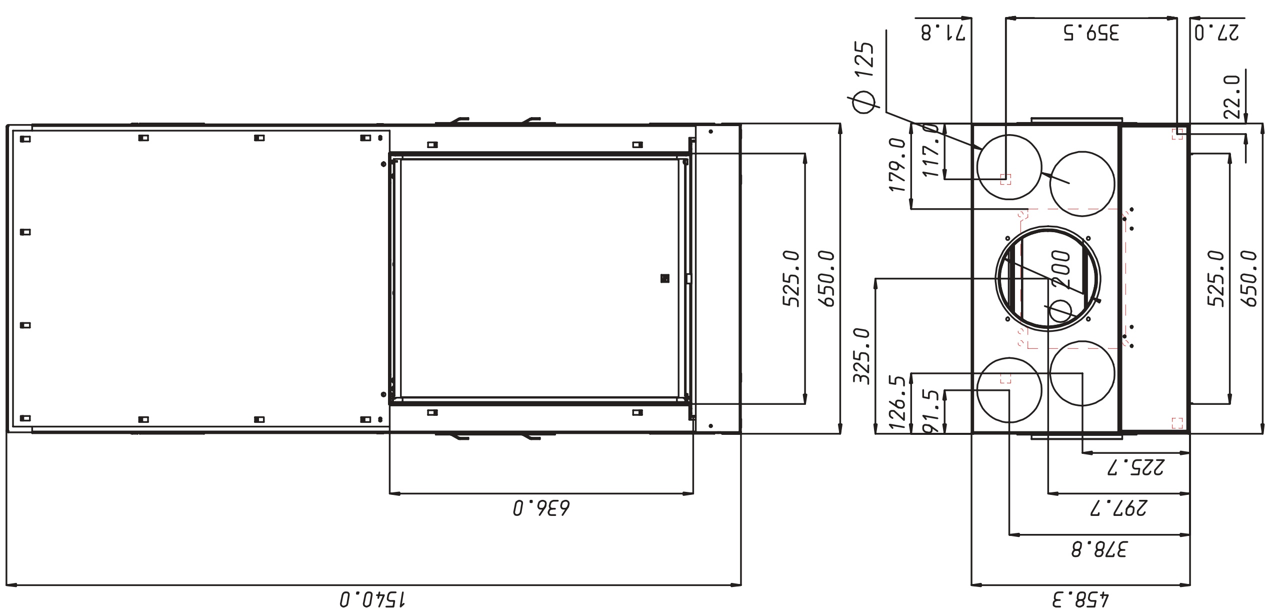
BODART & GONAY			
TYPO: PHENIX 850 REF:47BOV85BOV	TYPE: PHENIX 850 REF:47BOV85BOV	CAUDAL MAXIMO VENTILACION 450 M³/H	MAXIMUM FAN RATE 450 M³/H
POTENCIA: 8-10 kW	POWER: 8-10 kW	POTENCIA ELECTRICA: 77 W	ELECTRICAL POWER: 77 W
COMBUSTIBLE: MADERA	FUEL: WOOD	TENSION ELECTRICA: 230 VAC	VOLTAGE: 230 VAC
Φ SALIDA HUMO: 250 MM (200 MM)	Φ SMOKE VENT: 250 MM (200 MM)	PROTECCION ELECTRICA: FUSIBLE 1.25 A	ELECTRICAL PROTECTION: FUSE 1.25 A
SALIDAS AIRE CALIENTE: 4-8 Φ125	HOT AIR VENTS: 4-8 Φ125	OPCION VENTILACION: 1 TURBINA CENTRIFUGA	OPTIONAL FAN: CENTRIFUGAL TURBINE
CARGA MADERA MARCHA AL MAXIMO: 4KG/H	FUEL CONSUMPTION AT MAXIMUM POWER: 4KG/H		
PESO: 195 KG	WEIGHT: 195 KG		





PHENIX 650



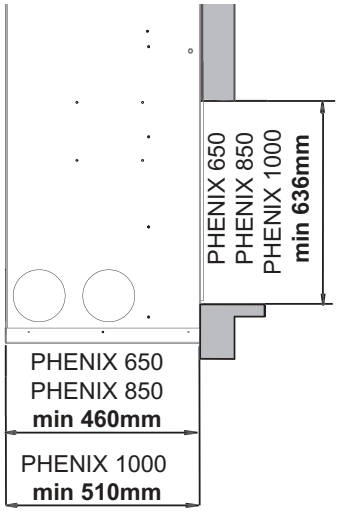


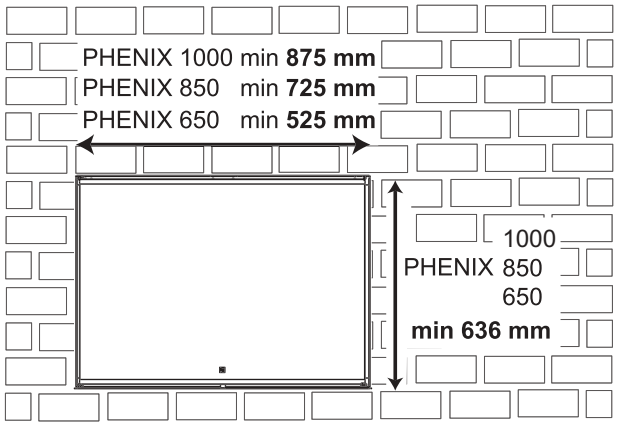
BODART & GONAY	
TYPO: PHENIX 650 REF.:47BOV65BOV	TYPE: PHENIX 650 REF.:47BOV65BOV
POTENCIA: 6-8 kW	POWER: 6-8 kW
COMBUSTIBLE: MADERA	FUEL: WOOD
Ø SALIDA HUMO: 200 MM (180 MM)	Ø SMOKE VENT: 200 MM (180 MM)
SALIDAS AIRE CALIENTE: 4-8 Ø125	HOT AIR VENTS: 4-8 Ø125
CARGA MADERA MARCHA AL MAXIMO: 3KG/H	FUEL CONSUMPTION AT MAXIMUM POWER: 3KG/H
PESO: 160 KG	WEIGHT: 160 KG
OPCION VENTILACION: 1 TURBINA CENTRIFUGA	OPTIONAL FAN: CENTRIFUGAL TURBINE
CAUDAL MAXIMO VENTILACION 450 M³/H	MAXIMUM FAN RATE 450 M³/H
POTENCIA ELECTRICA: 77 W	ELECTRICAL POWER: 77 W
TENSION ELECTRICA: 230 VAC	VOLTAGE: 230 VAC
PROTECCION ELECTRICA: FUSIBLE 1.25 A	ELECTRICAL PROTECTION: FUSE 1.25 A

2. Overall dimensions

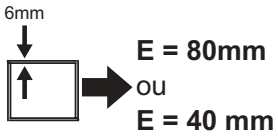
2.1. Standard hearth

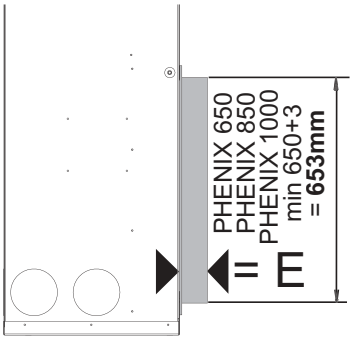
If these minimum dimensions are not met and/or that the masks side are not removable any more, it will not be possible to dismantle the mechanisms.

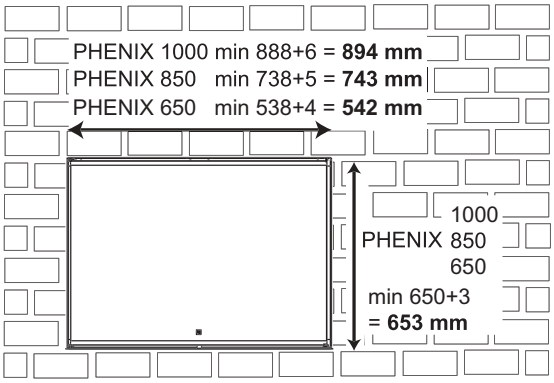


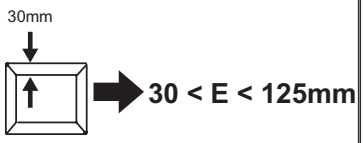


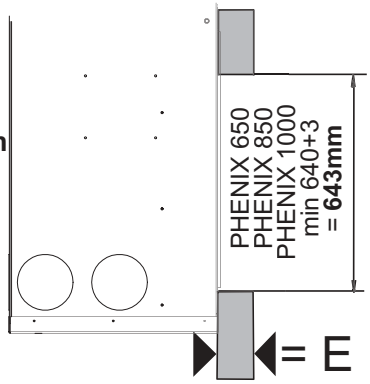
2.2. Hearth with 6 mm inner/30 mm outer surround

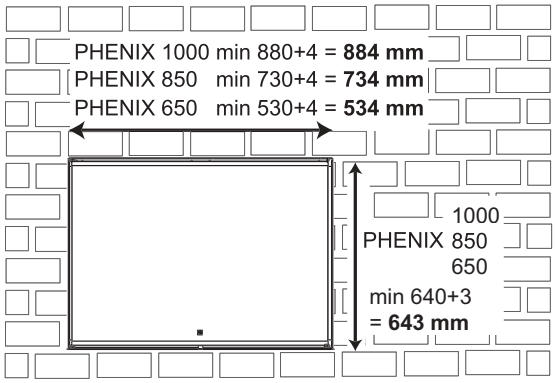




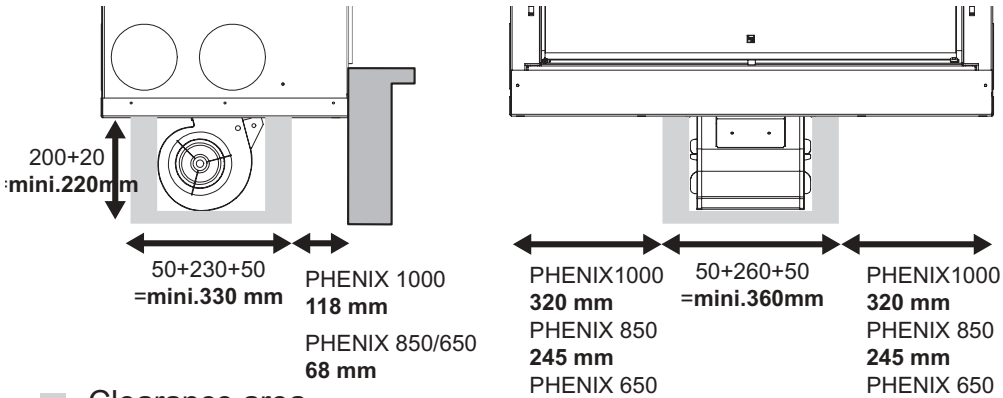








2.3. Fan

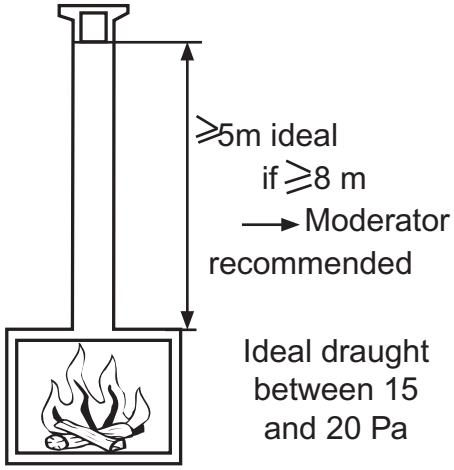


Clearance area

3. Smoke flue

Recommendations

The chimney flue must be built in compliance with building regulations of which the following features are the most important:

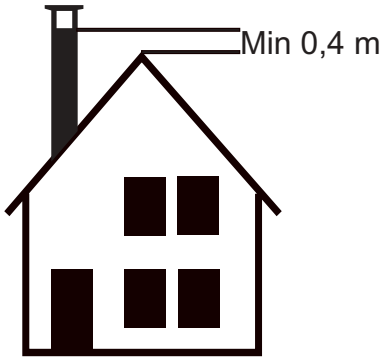


- **Minimum height** (distance between connection and top of stack) will be 5 m for a hearth which can operate with the door open.

- Cross section
Phénix 1000: 490 cm² (Ø 25 cm) to 400* cm²
Phénix 850: 490 cm² (Ø 25 cm) to 315* cm² (Ø 20 cm)
Phénix 650: 314 cm² (Ø 20 cm) to 254* cm² (Ø 18 cm)

*the chimney cross-section may be reduced to this figure in the case of **a straight insulated chimney with no changes in the cross section and the vent protected from the wind.**
You will pay attention to perform this reduction as high as possible (eg. at the ceiling connection).

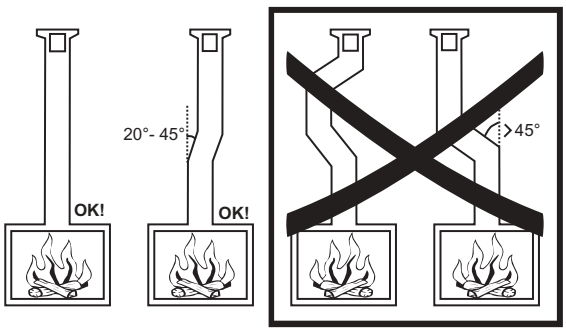
- The flue must have thermal insulation.



- The vent of the chimney (stack) and its positioning are very important. It is essential that the stack is provided with a cover to prevent raining falling into the hearth. Ask the advice of a chimney specialist (any device which narrows the cross-section of the vent is to be avoided).

- The presence of obstacles close the chimney vent must be taken into account.

- A smoke flue may not consist of more than two changes in direction. The angle of these elbows to the vertical may not generally exceed 20°, or 45° for a flue in smooth metal.



- The flue must permit the removable of soot (it must be possible to sweep the chimney).

- Only connect a single appliance to each flue.

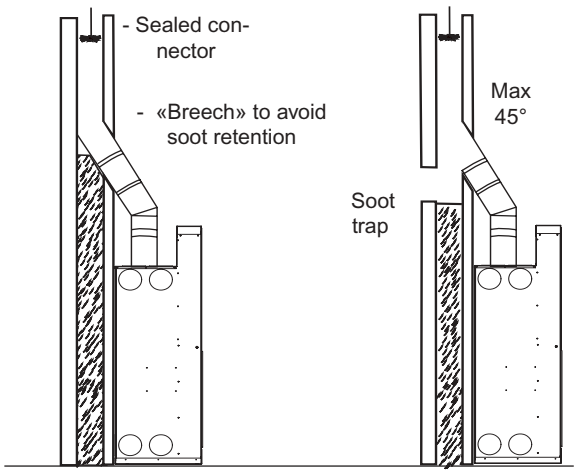
IN THE CASE OF AN EXISTING FLUE:

It is essential to check that the flue is watertight, empty and stable, but also whether it is **compatible with the hearth.** If necessary, line the flue or modify the stack.

- If there is a double flue:
  - choose the better,
  - close off the unused vent.

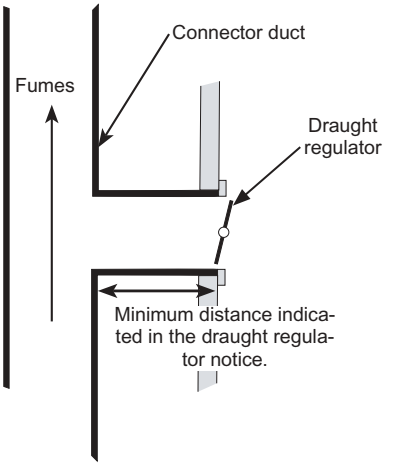
- In the case of a lateral connection on an existing flue, use one of these installations:

- The connection must be airtight



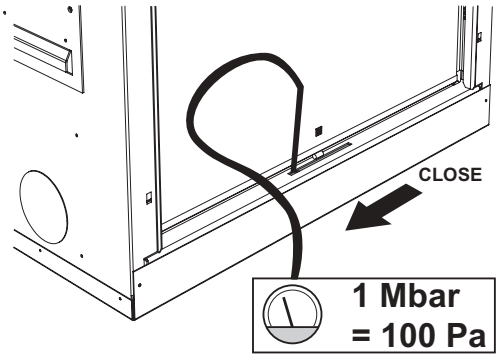
DRAUGHT REGULATOR

When one or more parameters controlling the fumes (e.g. extreme height.) are likely to result in **a very strong draught** (more than 40 Pa), we recommended fitting **an automatic draught regulator.**
It should always be installed as close as possible to the hearth and outside the hood or readily visible and accessible inside it. It must be easy to check.



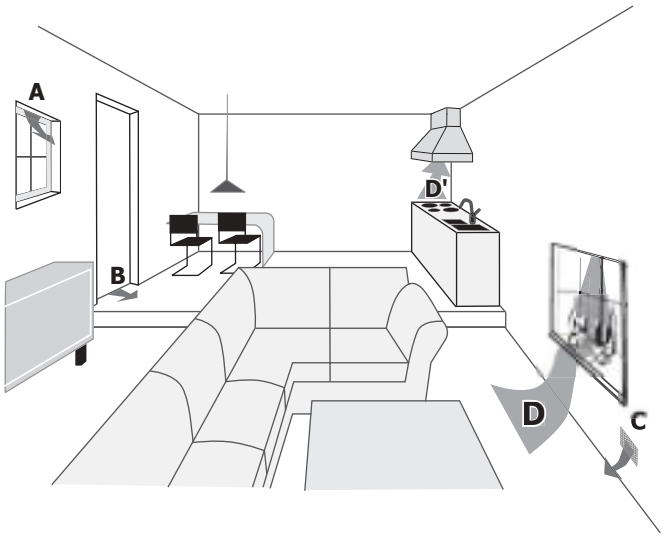
IDEAL DRAUGHT

Approx 20 Pa in the chimney with door closed; in practice it is almost impossible to take this measurement. It is however possible to take another measurement during operating tests, at the level of the notch for closing the air regulator (with the vacuum gauge probe inserted into the notch); the draught measured at this point is lower than in the chimney because of the automatic key; it should fall between 15 and 20 Pa with a moderate fire.



4. External air supply

When a hearth burns wood it consumes air, which means that a certain amount f air leaves by the chimney. This must e compensated by the usual intakes
A and B, and if inadequate a new fresh air intake C must be provided. An extractor fan in the same space will create an additional air outlet D', which must also be compensated for.
Suggested value of C for the chimney diameter and the air-tightness of the building:
- Ø25 cm chimney ® inlet Ø13 cm (133 cm²)
- Ø20 cm chimney ® inlet Ø10 cm (79 cm²)
- Ø18 cm chimney ® inlet Ø 9 cm (64 cm²)



- This inlet should be close to the hearth if possible. This is to avoid currents of cold air crossing the room, depressurisation of room and to help with the circulation of the air.

- If the hot air is carried into another room, **a return duct** to the hearth of identical cross-section must be fitted in order to avoid a pressure imbalance between the rooms of the house.

- Do not forget that smells will be carried into other rooms via the hot air vents.

- It is **highly inadvisable to take all the convection air from the outside** (too much cold air results in lower performance). If the convection air is also forced in by a fan, this will result in a significant overpressurisation of the room which will make it impossible to control the fire.

- The convection air circuits must also be considered (see the convection diagrams below).

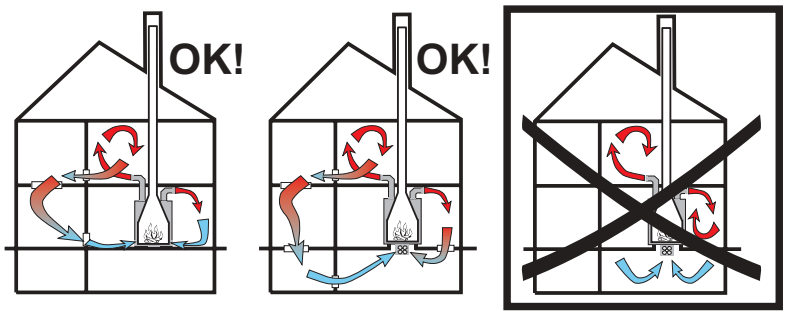
5. Convection air circuit

5.1. Air duct

It is essential to open 2-4 air vents depending on the model and installation instructions. These vents must be connected to a duct at least 50 cm high.

Thermally insulated ducts are recommended for optimum operation of the appliance (these create a draught for convection air). **Using 4 hot air vents and 4 hot air intakes significantly improves the flow of hot air for natural convection.**

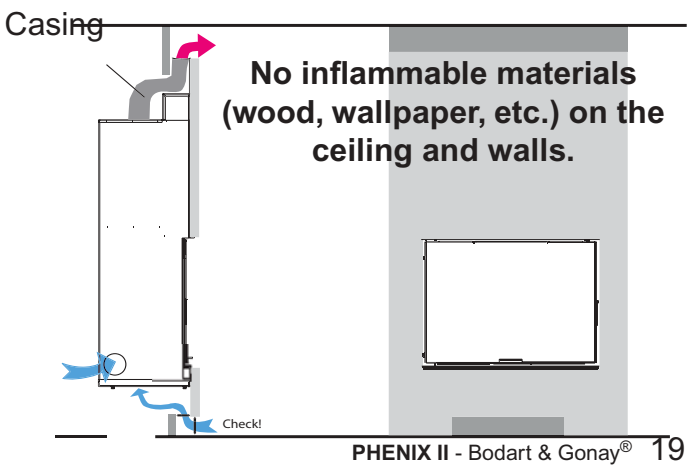
When installing these ducts, make the runs as short as possible with the fewest possible turns, take turns as wide as possible and avoid using vent grilles that block too great a proportion of the flow, since speed losses will reduce the efficiency of the hot air vents.
When installing a hearth with ventilation of 450 m³/h, the hot air ducts can be used to carry hot air into other rooms. In this case, **it is vital to provide a return duct of the same or larger cross section as the hot air vents.** This is very important to avoid depressurising the room, which will cause problems with the operation of the hearth.



Example of installation with inlet and outlet of convection air without grille:

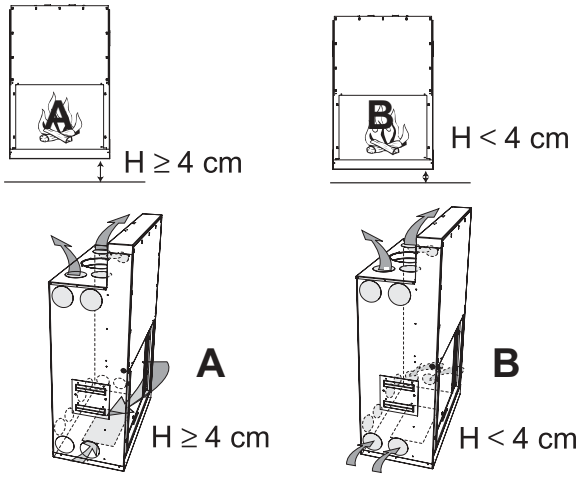
→ Separate any insulating materials present well from the convection current, to avoid spreading dust.

→ No inflammable materials may come into contact with the hot air vent housings.



5.2. Natural convection

It is vital to open four hot air vents for the Phénix 1000 and at least two for the Phénix 850 and 650. These vents must be connected to a conduit at least 50 cm high. The top of the hearth must not be insulated.



If the hearth is positioned at least 4 cm from the ground, air intake is ensured by the ventilation hole underneath the hearth. **(A).** However, opening the lateral inlets appreciably improves heat recuperation.

If the hearth is place level with the ground (less than 4 cm above), the 4 air intakes must be opened. For preference use the lateral intakes **(B).**

A passage of ± 700 cm² (for 4 connected vents without filter), and ± 450 cm² (for 2 connected vents without filter) should be allowed in the brickwork for the entry of convection air into the hearth.

5.3. Forced convection (optional fan)

At least two hot air vents must be opened.

The side air inlets in the base of the apparatus must remain closed.

For the fan air inlet, a passage through the brickwork must be provided of at least 450 cm² section without filter, or at least 700 cm² with a dust filter (Warning! Take account of the coefficient of passage of grilles and filters).

Proper separation of the air inlets and outlets in the masonry is vital. Some insulating materials deteriorate with age. As a result, dust from the insulation material may be picked up and be spread into the ambient air of the building.

6. Installation

Please read the **RECOMMENDATIONS** section on page 4.

In addition, for optimal performance:

- To avoid heat loss in the ducts, we advise insulating them.

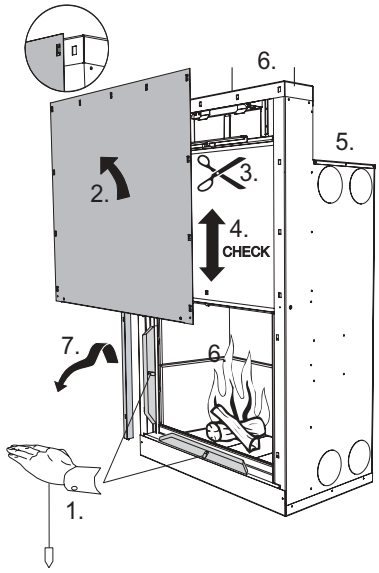
- The minimum cross-sections of the inlets and outlets for convection air must be respected.

- The chimney must be suitable.

- INFLAMMABLE MATERIALS: these should not be used in the immediate vicinity of the hearth, the hot air vents and the chimney flue. A safety distance of 80 cm is required at floor level. It should be noted that when operating with the door open, burning embers can be thrown several metres.

- INSULATING MATERIALS: use «HIGH TEMPERATURE» materials such as certain types of rock wool or ceramic fibre **(DO NOT USE GLASS WOOL).**

6.1. Positioning the hearth



1. The hearth must be absolutely level.

2. Unscrew the two screws on the front and remove.

3. Cut the cable tie around the counterweight and the support.

4. Ensure that the door is operating correctly (lateral opening, lifting/ lowering)

5. Open hot air vents and if required the hot air intakes for natural convection.

6. After connecting to the chimney, we recommend that you fire up the Phenix (door opened and door closed) before closing the decorative chimney.

7. The finishing covers may be removed to facilitate the installation of the decorative chimney. Always remove or replace the covers with door in the «down» position.

It is imperative that the masks side can always be dismantled.

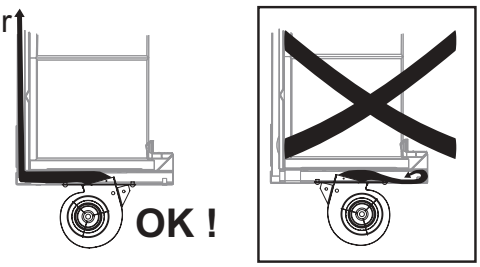
8. We recommend that in all cases the top of the hearth should not be insulated.

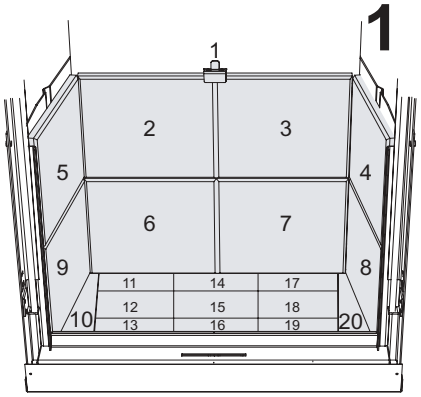
9. It is possible not to insulate the whole hearth. In this case it is **essential that air can circulate around the hearth** which also contributes to heat recovery.
However, if the hearth is against an external wall of the house, it is preferable to insulate this wall.

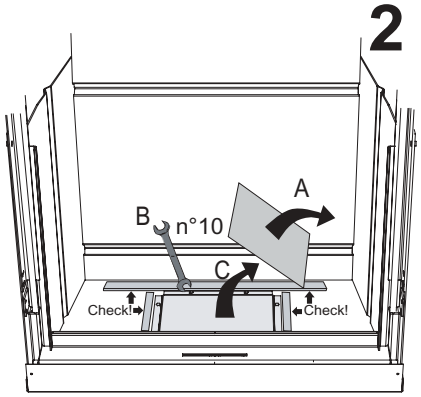
6.2. Installing the fan and variator (optional).

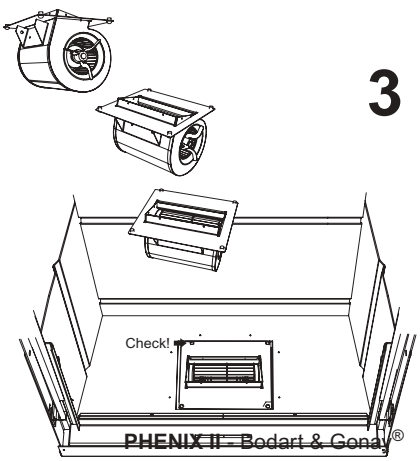
The power supply must be disconnected for all installation and maintenance operations on the fan and variator.

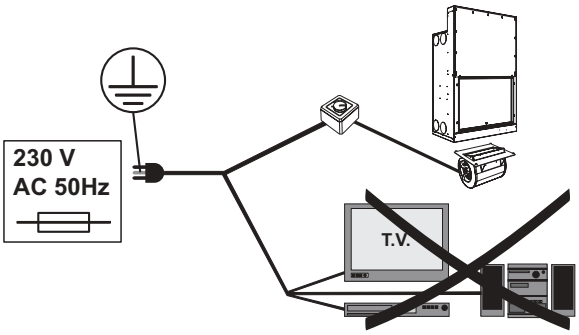
- If the underside of the hearth is accessible (during installation), the fan can be fitted directly there (take care to fit it the right way round!).
- Otherwise, remove the vermiculite panels and bricks in the order shown.
- Unscrew the screws on the fan panel and remove it.
- Fit the fan in the bottom of the heater body through the access panel (take care to fit it the right way round!).
- Make provision for the power cable when executing the brickwork.
- Replace the panel, check the position of the vermiculite spacers, which must be under the side panels, and replace the vermiculite panels and bricks.



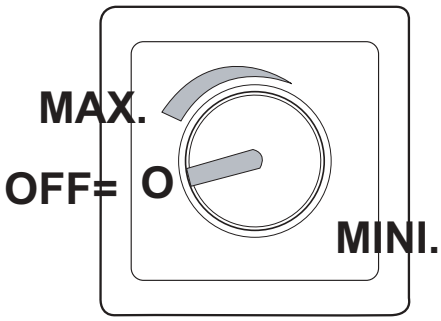


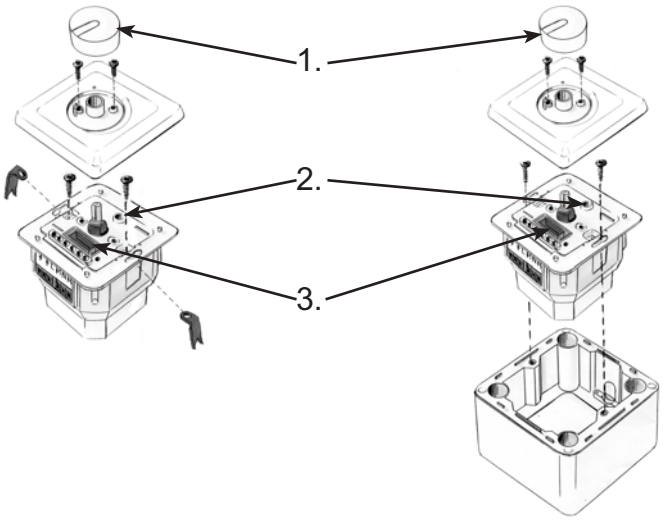






- Avoid installing the variator near audio and video equipment.





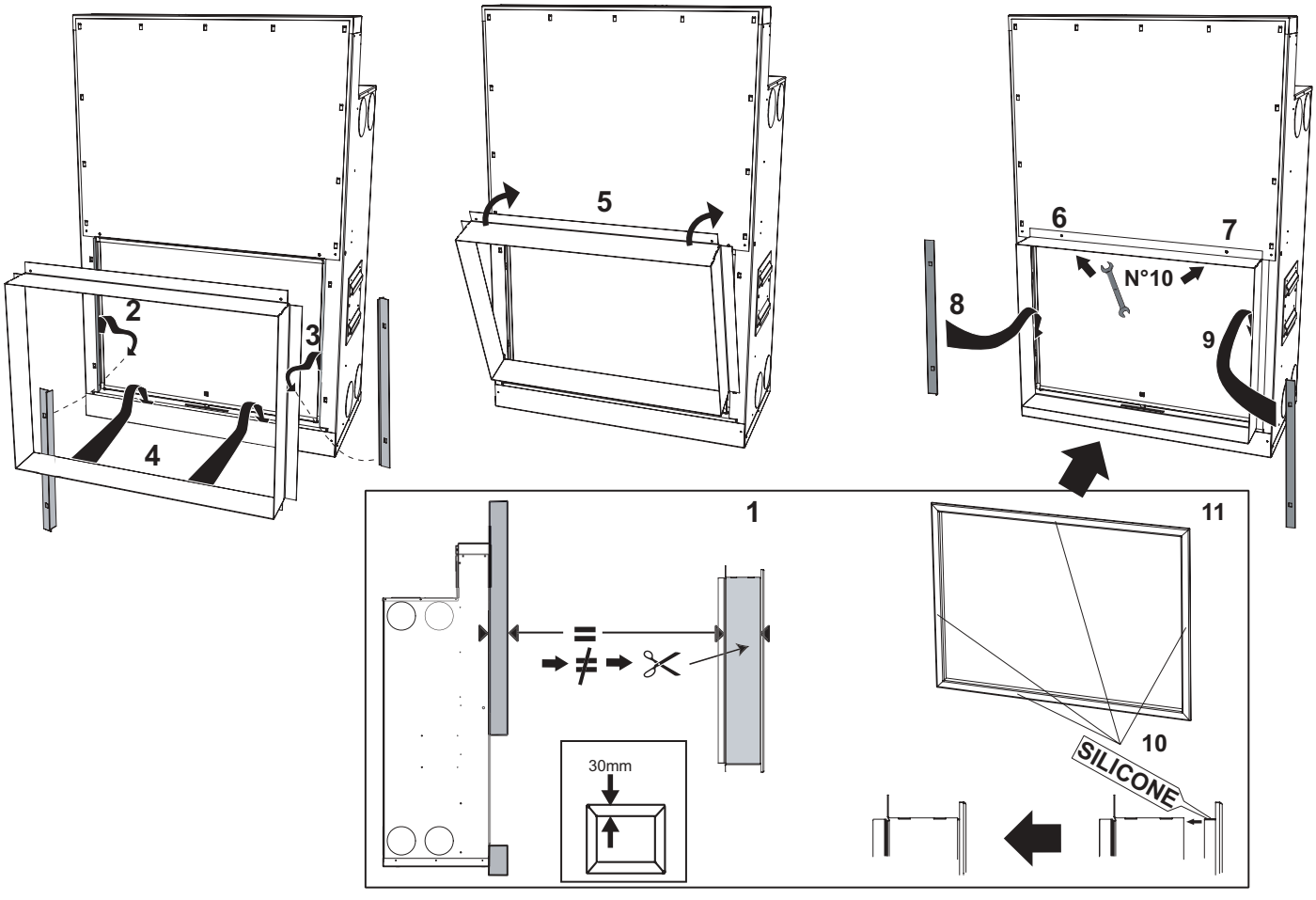
1. Setting the speed.

2. Setting screw for minimum speed under the button (calibration required).

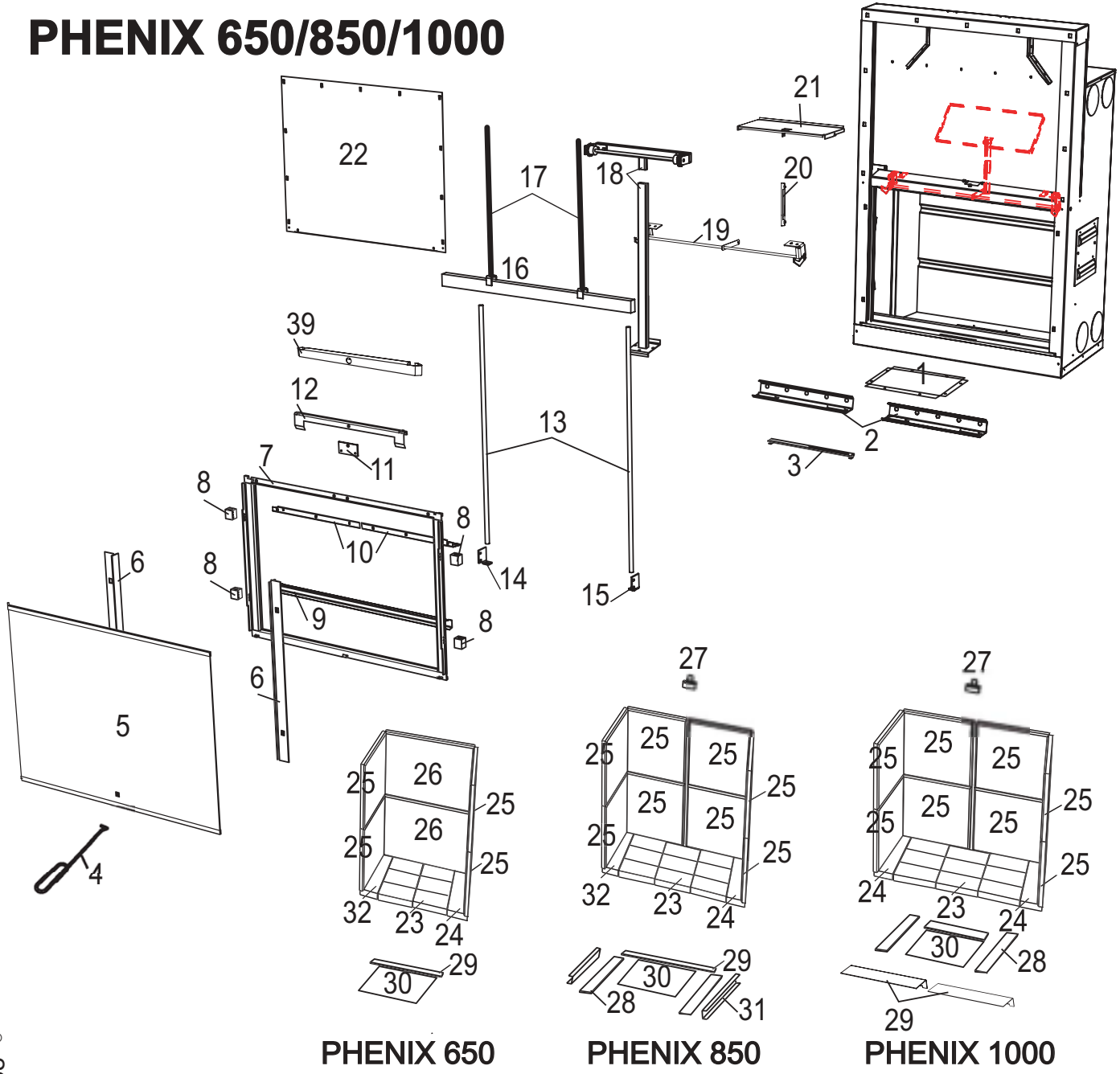
3. 1.25A fuse (remove the button, unscrew the panel, pull out and replace).

6.3. Installation of surround (optional).

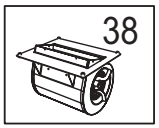
Install surround before brickwork!

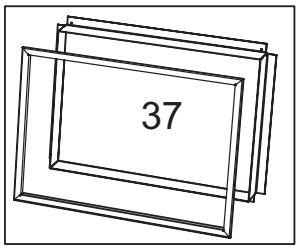


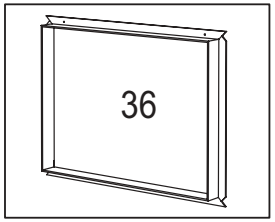
PHENIX 650/850/1000

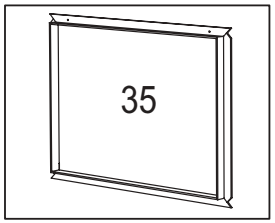


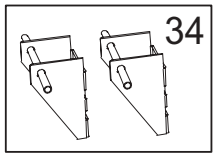
PHENIX 650 PHENIX 850 PHENIX 1000

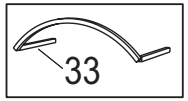












OPCIONES Y RECAMBIOS PHENIX 1000 — OPTIONS AND SPARE PARTS PHENIX 1000

RECAMBIOS / SPARE PARTS

Ref	Code	Concepto	Description
01	37B10030	TRAMPILLA VENTILACION PHENIX 650	VENTILATION HATCH PHENIX 650/850/1000
02	37B10031	REPARTIDOR DE AIRE PHENIX 1000	AIR DISTRIBUTOR PHENIX 1000
03	37B10032	DOSIFICADOR DE AIRE PHENIX 850/1000	AIR REGULATOR PHENIX 850/1000
04	07Q70073	MANO FRIA PRESTIGE-COMFORT	WIRE HANDLE PRSTIGE-COMF-PHENIX
05	37B10012	PUERTA PHENIX 1000	DOOR ASSEMBLY PHENIX 1000
06	37B10029	TAPA ACABADO PHENIX 650/850/1000	FINISHING COVER PHENIX 650/850/1000
07	37B10011	CARRO PHENIX 1000	CARRIAGE PHENIX 1000
08	07QA80	CASQUILLO LATON PHENIX II	BRASS NOZZLE PHENIX II
09	37B10014	DEFLECTOR INFERIOR PH 1000	LOWER BAFFLE PHENIX 1000
10	37B10013	PAR CONTRAPUERTA SUPERIOR PH1000	TOP INNER DOORS PHENIX 100, PAIR
11	37B10017	FIJACION PALANCA PH 650/850/1000	SPREADER MOUNTING PHENIX 650/850/1000
12	37B10016	PALANCA PH 850/1000	SPREADER PHENIX 650/850/1000
13	07KK0006	EJE-CARRIL DIA 16 X1005	BROWNED SHAFT RECTIFIED DIA 16 X 1005
14	37B10006	FIJA EJE IZQUIERDO PH 650/850/1000	FIXED SHAFT BOTTOM LEFT PHENIX 650/850/1000
15	37B10005	FIJA EJE DERECHO PH 650/850/1000	FIXED SHAFT BOTTOM RIGHT PHENIX 650/850/1000
16	37B10034	CONTRAPESO PH 1000	COUNTERWEIGHT PHENIX 1000
17	07KA0007	CADENA 3/8 X 7/32 SIMPLEX 89 MALLAS	CHAIN 3/8 X 7/32 SIMPLEX 89 LINKS
18	37B10033	SOPORTE-T PH 650/850/1000	T-SUPPORT PHENIX 650/850/1000
19	37B10003	EJE MANDO TRAMPILLA PH 1000	VALVE CONTROL SHAFT PHENIX 1000
20	37B10004	TRANSMICION TRAMPILLA PH 650/850	VALVE TRANSMISSION PHENIX 650/850/1000
21	37B10001	TRAMPILLA AUTOMATICA PHENIX 1000	AUTOMATIC VALVE PHENIX 1000
22	37B10020	FACHADA REVESTIMIENTO PH 1000	COVER FACIA PHENIX 1000
23	07CB300	LADRILLO 240X120X30 VT20	REFRACTORY BR.240X120X30 VT20
24	07CV100B	VERMICULITA 93 x 360 35	VERMICULIET 93 x 360 35
25	07CV100A	VERMICULITA 330 X 375 25	VERMICULITE 330 X 375 25
27	37B10009	SUJETA PLACA PH 850/1000	PLATE HOLDER PHENIX 850/1000
28	37B10035	COMPENSACION VERMICULITA PHENIX	VERMICULITE PACKING PHENIX 850/1000
29	37B10036	SOSTEN LADRILLO PH 1000	BRICK STOP HENIX 1000
30	37B10037	CONPENSACION TRAMPILLA PH 650/8	COMPENSATION KIT TRAPPE PHENIX 650/850/1000
39	37B10038	MANTEN CLAVIJA 650/850/1000	PIN MAINTENANCE 650/850/1000
---	07QA82	BISAGRA ALTA PHENIX II	TOP HINGE PHENIX II
---	37B10015	CIERRE PUERTA PH 650/850/1000	DOOR CATCH PHENIX 650/850/1000

OPCIONES / OPTIONS

Ref	Code	Concepto	Description
33	37B94035	PARA LENOS PHENIX 850/1000	LOG RETAINER PHENIX 850/1000
34	37B10042	MANILLA TRANSPORTE PHENIX 650/8	PHENIX 650/850/1000 CARRYING HANDLES
35	37B10043	MARCO FINO 6MM/40MM PHENIX 1000	NARROW SURROUND FRAME 6MM/40MM PHENIX 1
36	37B10041	MARCO FINO 6MM/80MM PHENIX 1000	NARROW SURROUND FRAME 6MM/80MM PHENIX 1
37	37B10040	MARCO 30MM + SOPORTE PHENIX 1000	WIDE SURRAOUND FRAME PHENIX 1000
38	37B77021	KIT VENTILACION 450M3	VENTILATION KIT 450 M3

OPCIONES Y RECAMBIOS PHENIX 850 — OPTIONS AND SPARE PARTS PHENIX 850

RECAMBIOS / SPARE PARTS

Ref	Code	Concepto	Description
01	37B10030	TRAMPILLA VENTILACION PHENIX 650	VENTILATION HATCH PHENIX 650/850/1000
02	37B85031	REPARTIDOR DE AIRE PHENIX 850	AIR DISTRIBUTOR PHENIX 850
03	37B10032	DOSIFICADOR DE AIRE PHENIX 850/1000	AIR REGULATOR PHENIX 850/1000
04	07Q70073	MANO FRIA PRESTIGE-COMFORT	WIRE HANDLE PRSTIGE-COMF-PHENIX
05	37B85012	PUERTA PHENIX 850	DOOR ASSEMBLY PHENIX 850
06	37B10029	TAPA ACABADO PHENIX 650/850/1000	FINISHING COVER PHENIX 650/850/1000
07	37B85011	CARRO PHENIX 850	CARRIAGE PHENIX 850
08	07QA80	CASQUILLO LATON PHENIX II	BRASS NOZZLE PHENIX II
09	37B85014	DEFLECTOR INFERIOR PHENIX 850	LOWER BAFFLE PHENIX 850
10	37B85013	PAR CONTRAPUERTA SUPERIOR PHENIX	TOP INNER DOORS PHENIX 850
11	37B10017	FIJACION PALANCA PH 650/850/1000	SPREADER MOUNTING PHENIX 650/850/1000
12	37B10016	PALANCA PH 850/1000	SPREADER PHENIX 650/850/1000
13	07KK0006	EJE-CARRIL DIA 16 X1005	BROWNED SHAFT RECTIFIED DIA 16 X 1005
14	37B10006	FIJA EJE IZQUIERDO PH 650/850/1000	FIXED SHAFT BOTTOM LEFT PHENIX 650/850/1000
15	37B10005	FIJA EJE DERECHO PH 650/850/1000	FIXED SHAFT BOTTOM RIGHT PHENIX 650/850/1000
16	37B85034	CONTRAPESO PHENIX 850	COUNTERWEIGHT PHENIX 850
17	07KA0007	CADENA 3/8 X 7/32 SIMPLEX 89 MALLAS	CHAIN 3/8 X 7/32 SIMPLEX 89 LINKS
18	37B10033	SOPORTE-T PH 650/850/1000	T-SUPPORT PHENIX 650/850/1000
19	37B85003	EJE MANDO TRAMPILLA PHENIX 850	VALVE CONTROL SHAFT PHENIX 850
20	37B10004	TRANSMICION TRAMPILLA PH 650/850	VALVE TRANSMISSION PHENIX 650/850/1000
21	37B85001	TRAMPILLA AUTOMATICA PHENIX 850	AUTOMATIC VALVE PHENIX 850
22	37B85020	FACHADA REVESTIMIENTO PHENIX 850	COVER FACIA PHENIX 850

23	07CB316	LADRILLO 165X115X30	REFRACTORY BRICK 165X115X30
24	07CV850B	VERMICULITA 340 x 114 35 DERECHA	VERMICULITE 340 x 114 35 RIGHT
25	07CV850A	VERMICULITA 330 X 320 25	VERMICULITE 330 X 320 25
27	37B10009	SUJETA PLACA PH 850/1000	PLATE HOLDER PHENIX 850/1000
28	37B10035	COMPENSACION VERMICULITA PHENIX 8	VERMICULITE PACKING PHENIX 850/1000
29	37B85035	COMPENSACION VERMICULITA PHENIX 8	COMPENSATION VERMICULITE PHENIX 850
30	37B10037	CONPENSACION TRAMPILLA PH 650/8	COMPENSATION KIT TRAPPE PHENIX 650/850/1000
31	37B85037	COMPENSACIÓN VERMICULITA FUNDA C	COMPENSATION KIT BOTTOM SIDE PHENIX 850
32	07CV852B	VERMICULITA 340 x 114 35 IZQUIERDA	VERMICULITE 340 x 114 35 LEFT
39	37B10038	MANTEN CLAVIJA 650/850/1000	PIN MAINTENANCE 650/850/1000
---	07QA82	BISAGRA ALTA PHENIX II	TOP HINGE PHENIX II
---	37B10015	CIERRE PUERTA PH 650/850/1000	DOOR CATCH PHENIX 650/850/1000

OPCIONES / OPTIONS

Ref	Code	Concepto	Description
33	37B94035	PARA LENOS PHENIX 850/1000	LOG RETAINER PHENIX 850/1000
34	37B10042	MANILLA TRANSPORTE PHENIX 650/8	PHENIX 650/850/1000 CARRYING HANDLES
35	37B85043	MARCO FINO 6MM/40MM PHENIX 850	NARROW SURROUND FRAME 6MM/40MM PHENIX 8
36	37B85041	MARCO FINO 6MM/80MM PHENIX 850	NARROW SURROUND FRAME 6MM/80MM PHENIX 8
37	37B85040	MARCO 30MM + SOPORTE PHENIX 850	WIDE SURRAOUND FRAME PHENIX 850
38	37B77021	KIT VENTILACION 450M3	VENTILATION KIT 450 M3

OPCIONES Y RECAMBIOS PHENIX 650 — OPTIONS AND SPARE PARTS PHENIX 650

RECAMBIOS / SPARE PARTS

Ref	Code	Concepto	Description
01	37B10030	TRAMPILLA VENTILACION PHENIX 650	VENTILATION HATCH PHENIX 650/850/1000
02	37B65031	REPARTIDOR DE AIRE PHENIX 650	AIR DISTRIBUTOR PHENIX 650
03	37B10032	DOSIFICADOR DE AIRE PHENIX 850/1000	AIR REGULATOR PHENIX 850/1000
04	07Q70073	MANO FRIA PRESTIGE-COMFORT	WIRE HANDLE PRSTIGE-COMF-PHENIX
05	37B65012	PUERTA PHENIX 650	DOOR ASSEMBLY PHENIX 650
06	37B10029	TAPA ACABADO PHENIX 650/850/1000	FINISHING COVER PHENIX 650/850/1000
07	37B65011	CARRO PHENIX 650	CARRIAGE PHENIX 650
08	07QA80	CASQUILLO LATON PHENIX II	BRASS NOZZLE PHENIX II
09	37B65014	DEFLECTOR INFERIOR PHENIX 650	LOWER BAFFLE PHENIX 650
10	37B65013	PAR CONTRAPUERTA SUPERIOR PHENIX	TOP INNER DOORS PHENIX 650
11	37B10017	FIJACION PALANCA PH 650/850/1000	SPREADER MOUNTING PHENIX 650/850/1000
12	37B65016	PALANCA PHENIX 650	HOLDER PHENIX 650
13	07KK0006	EJE-CARRIL DIA 16 X1005	BROWNED SHAFT RECTIFIED DIA 16 X 1005
14	37B10006	FIJA EJE IZQUIERDO PH 650/850/1000	FIXED SHAFT BOTTOM LEFT PHENIX 650/850/1000
15	37B10005	FIJA EJE DERECHO PH 650/850/1000	FIXED SHAFT BOTTOM RIGHT PHENIX 650/850/1000
16	37B65034	CONTRAPESO PHENIX 650	COUNTERWEIGHT PHENIX 650
17	07KA0007	CADENA 3/8 X 7/32 SIMPLEX 89 MALLAS	CHAIN 3/8 X 7/32 SIMPLEX 89 LINKS
18	37B10033	SOPORTE-T PH 650/850/1000	T-SUPPORT PHENIX 650/850/1000
19	37B65003	EJE MANDO TRAMPILLA PHENIX 650	VALVE CONTROL SHAFT PHENIX 650
20	37B10004	TRANSMICION TRAMPILLA PH 650/850	VALVE TRANSMISSION PHENIX 650/850/1000
21	37B65001	TRAMPILLA AUTOMATICA PHENIX 650	AUTOMATIC VALVE PHENIX 650
22	37B65020	FACHADA REVESTIMIENTO PHENIX 650	COVER FACIA PHENIX 650
23	07CB316	LADRILLO 165X115X30	REFRACTORY BRICK 165X115X30
24	07CV850B	VERMICULITA 340 x 114 35 DERECHA	VERMICULITE 340 x 114 35 RIGHT
25	07CV850A	VERMICULITA 330 X 320 25	VERMICULITE 330 X 320 25
26	07CV600A	VERMI. 445 x 330 25 mm	VERMI. 445 x 330 25 mm
29	37B65035	COMPENSACION VERMICULITA PHENIX (	COMPENSATION VERMICULITE PHENIX 650
30	37B10037	CONPENSACION TRAMPILLA PH 650/8	COMPENSATION KIT TRAPPE PHENIX 650/850/1000
32	07CV852B	VERMICULITA 340 x 114 35 IZQUIERDA	VERMICULITE 340 x 114 35 LEFT
39	37B10038	MANTEN CLAVIJA 650/850/1000	PIN MAINTENANCE 650/850/1000
---	07QA82	BISAGRA ALTA PHENIX II	TOP HINGE PHENIX II
---	37B10015	CIERRE PUERTA PH 650/850/1000	DOOR CATCH PHENIX 650/850/1000

OPCIONES / OPTIONS

Ref	Code	Concepto	Description
33	37B55035	PARA LENOS PHENIX 650	LOG RETAINER PHENIX 650
34	37B10042	MANILLA TRANSPORTE PHENIX 650/8	PHENIX 650/850/1000 CARRYING HANDLES
35	37B65043	MARCO FINO 6MM/40MM PHENIX 650	NARROW SURROUND FRAME 6MM/40MM PHENIX 6
36	37B65041	MARCO FINO 6MM/80MM PHENIX 650	NARROW SURROUND FRAME 6MM/80MM PHENIX 6
37	37B65040	MARCO 30MM + SOPORTE PHENIX 650	WIDE SURRAOUND FRAME PHENIX 650
38	37B77021	KIT VENTILACION 450M3	VENTILATION KIT 450 M3

8. Checklist:

- ☐ Check the various minimum installation space dimensions (including room for options!) See p.17. If these dimensions are not respected, it will be impossible to strip down the various component assemblies!
- ☐ Levelling the hearth, 2 reference points. See pp. 4 & 21.
- ☐ Mount the chimney duct and the hot air outlet duct.
- ☐ No inflammable materials (wood, wallpaper, etc.) on the ceiling and walls around the hot air vents.
- ☐ For inflammable materials on the floor, a safety distance of 80 cm is required.
- ☐ Check the combustion air circuit. See p.19.
- ☐ Check the convection air circuits. See p.20.
- ☐ The chimney pot has a cover. See p.18.
- ☐ Installation of the surround (optional) before brickwork. See p.23.

Without fan

- ☐ **It is vital to open four hot air vents for the Phénix 1000 and at least two for the Phénix 850 and 650.**
- ☐ **If the hearth is installed at least 4 cm above the floor,** incoming air will enter by the ventilation hole under the hearth. However, opening the side vents [2]improves the flow.
- ☐ **If the hearth is installed at floor level (or less than 4 cm above the floor), four air vents must be opened,** prefera bly those at the side.

With fan

- ☐ Check that the fan is aligned correctly.
- ☐ **At least two hot air vents are open.**
- ☐ The **air inlets in the base of the apparatus must remain closed.**
- ☐ Check the air circuits. See p.19.
- ☐ Calibrate the speed variator
- ☐ 230 VAC 50Hz power supply, fused and not on the same circuit as hi-fi/video.

Always turn on the fan when the hearth is being used.

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