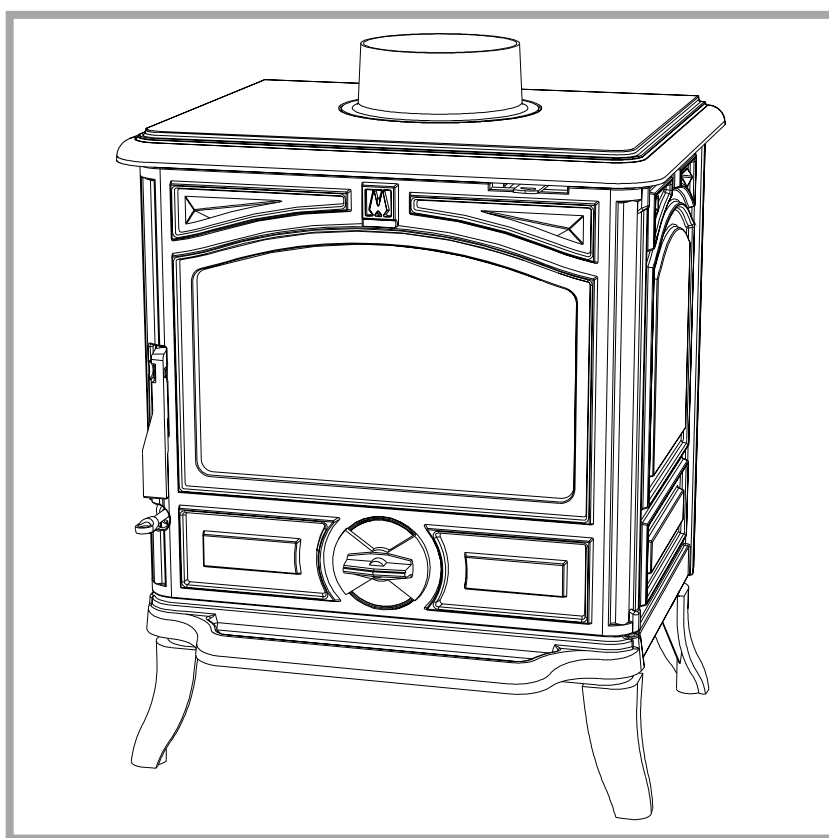

MONTFORT

Wood stove

NF EN 13240

Model : 134 06 01

Output : 6 kW



Description of the appliance

Installation instructions

Operating instructions

Spare parts

Warranty certificate

Document n° 1159-2 ~ 09/12/2003

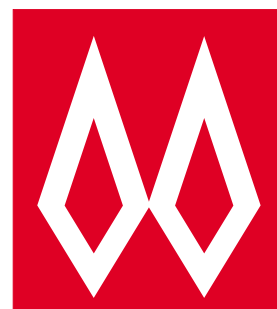


Technical manual

to be saved

by the user

for future reference



FRANCO BELGE

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Subject to modifications.

FRANCO BELGE congratulates you on your choice.
 FRANCO BELGE, which has been granted the ISO 9001 certification, guarantees the
 quality of its appliances and is committed to meet its customers' needs.
 FRANCO BELGE, which can boast a 75-year experience in the industry of heating devices,
 uses state-of-the-art technologies
 to design and manufacture its whole range of products.
 This document contains instructions on how to install your appliance and make full use of
 its functions, both for your comfort and safety.

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This appliance is meant to burn wood or solid fuel safely

WARNING

Incorrectly installed, this appliance can be dangerous and possibly cause serious accidents.

1. Description of the unit

1.1. Package

- 1 package : Stove

1.2. Optional equipment

- Set of 4 high legs. (black Y).

1.3. Specifications

Model	134 06 01
Nominal Heat Output kW	6
Chimney draft required Pa	12
Hearth dimensions	
- Width mm	330
- Depth mm	205
- Height mm	240
Logs dimensions cm	32
Ash pan capacity litre	3
Weight kg	70

1.4. Description

Wood stove,

- Detachable flue spigot for rear or top chimney connection.
- Front loading door fitted with large refractory glass panel.
- Adjustable air controls for controlling the burning rate.
- Spin wheel for lighting.
- Large ash-pan.
- De-scaling lever.

1.5. Operating principle

The “MONTFORT” is designed for operation with the door closed.

Heat is mainly diffused by radiation, through the window and body of the appliance.

Combustion occurs on the grate, with draught entry through the top of the combustion chamber.

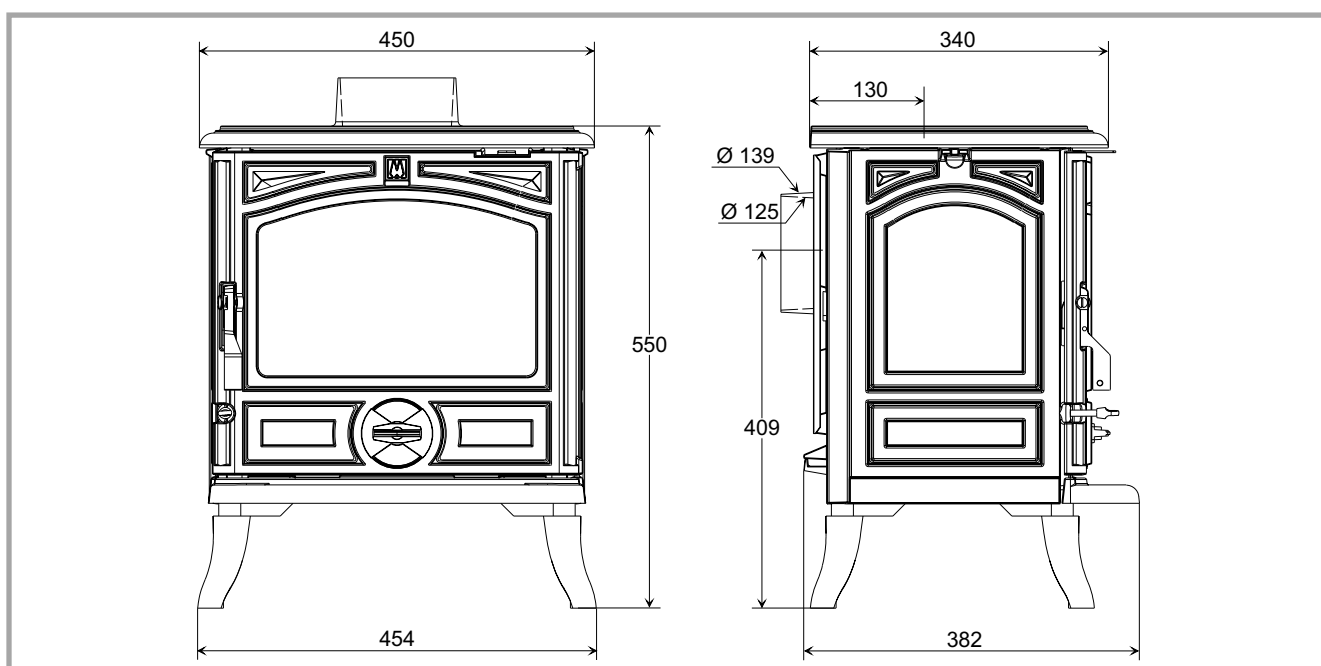


Figure 1 - Dimensions in mm

2. Installation instructions

2.1. Warning to the user

An incorrectly installed heating appliance can cause serious accidents (chimney fires, burning of plastic insulation materials, in partition walls, etc.).

The insulation of both the appliance and the exhaust gas pipe has to be reinforced and done according to the Standards and the Building Regulations for safety reasons. The installation must be carried out according to the Standards and the Building Regulations.

Failure to respect the mounting instructions leads to engage the responsibility of the one doing the installation.

The manufacturer’s responsibility shall be limited to the supply of the appliance.

2.2. Location of the unit

Le local

Ventilation :

For satisfactory appliance operation with a natural draught, check that sufficient air for combustion is available in the room.

Position of the unit :

For new installations, select a central position within the house, to provide a good heat distribution around the building.

The heat distribution towards the other rooms will be made through the communicating doors.

These rooms must be in negative pressure or must include ventilation gratings.

Floor and walls :

Make sure they are not combustible or covered with combustible material (as per the Building regulations).

Otherwise it must necessary to install a non-combustible protection.

There must be a clearance of at least 150 mm at each side of the appliance and at the back of the appliance from a non-combustible wall.

This distance must be extended to a minimum clearance of 350 mm from any combustible materials.

This measurement may be reduced to a minimum gap of 50 mm when the non-combustible wall is at least 200 mm thick.

When using a single wall flue pipe, there must be a clearance (A) of at least three times its diameter (B) from any combustible materials.

If the appliance has to be located in an opening, this distance must be extended to a minimum clearance (A) of 375 mm from the pipe or the stove body to any combustible materials.

Hearth

The appliance must stand on a fireproof hearth.

The hearth must be made of non-combustible material of thickness 12 mm minimum (C). This may include the thickness of a non-combustible floor.

The hearth must protrude at least 225 mm in front of the stove and 150 mm each side.

If the hearth is constructed on timber, there must be a clearance of at least 250 mm from the timber to the top surface of the hearth.

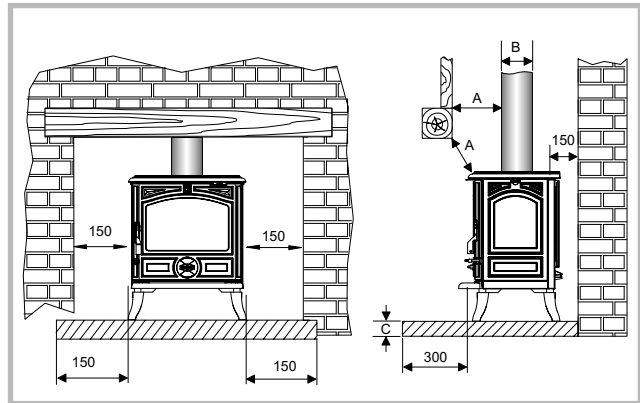


Figure 2 - Clearances

2.3. Flue

The chimney must comply with Current Building Regulations. If in doubt, consult your Dealer or local Building Inspector.

Existing flue :

- The flue must be in good condition and must provide sufficient draught.
- The flue must be suitable for the installation of solid fuel burning appliances and comply with Current Building Regulations.
- The flue must be clean. It should be swept to remove soot and dislodge tar deposits.
- The flue must be well insulated. If the flue inner wall surfaces are cold, a good thermal draw is impossible causing condensation problems (tar formation etc) to occur.
- The flue must not be shared with other appliances.
- The chimney must be at least 4.5 m (15 ft high).
- In case of a flat roof or when the roof gradient is lower than 15°, the stack must be 1,2 m (4 feet) high at least.
- If the chimney has any down draught tendency, due to its position in relation to nearby obstacles, then an anti-down draught cowl must be installed on the chimney or the chimney height must be increased.
- If the decompression in the chimney is excessive, a draught stabiliser must be installed.

Chimney to be built / Flue non-existent :

- The flue must not be supported by the stove.
- Consult a chimney specialist for advice on suitable flue systems for solid fuel appliances.

2.4. Assembly of flue collar

The stove is supplied with a connection flue spigot with an inner diameter of 125 mm and an outer diameter of 139 mm.

2.5. Smoke exit on the top

Figure 4

- Remove the internal baffle (fig. 3).
- Fit the sealing rope in the groove on the top and fix the flue collar with the bolts and washers supplied.
- Replace the internal baffle.

2.6. Smoke exit at rear

Figure 5

- Remove the internal baffle (fig. 3) and the rear heat shield.
- Remove the 2 blanking plates fixed to the back wall and replace it on the top.
- Fix the flue collar at rear with the bolts and washers supplied, ensuring there is a good seal.
- Replace the internal baffle.
- Remove the cut-out in the rear heat shield and re-fit.

2.7. Chimney connector

- The appliance must be installed as close as possible to the chimney.
- The connector pipe must be approved for installation with combustion products (either 24 ga. Black painted or blued steel or 316 grade 20 ga. Stainless steel or 1 mm vitreous enamelled steel).
- Pipe diameter must not be less than the appliance spigot diameter. Otherwise the reducing must be 1 diameter lower than the flue spigot and be situated as distant as possible from the flue connection of the appliance.
- The connection can be either vertical or horizontal. For horizontal connections, avoid right angle bends.
- The joint between the connection pipe and the stovepipe, and the flue, must be leak tight.

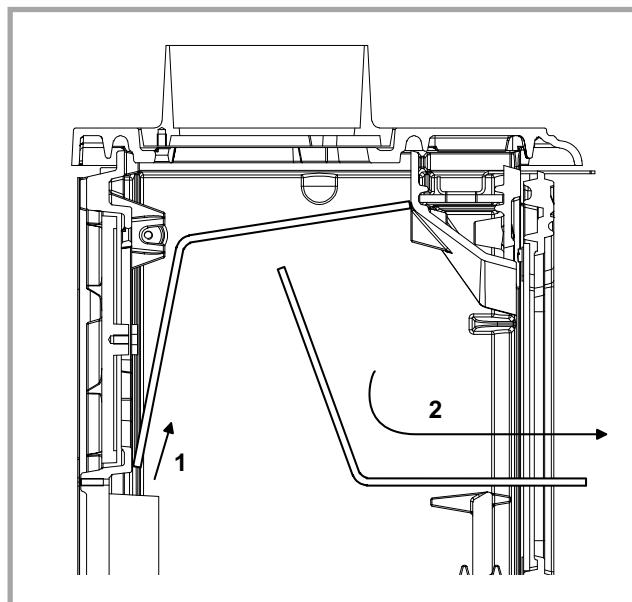


Figure 3 - Removing the flue baffle

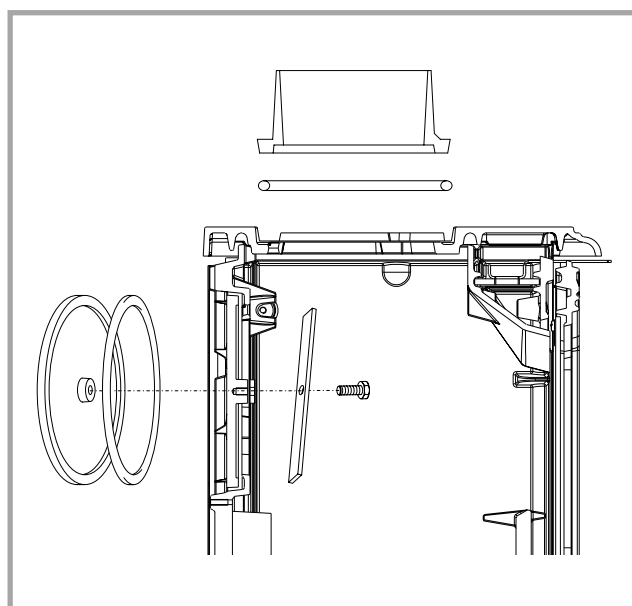


Figure 4 - Smoke exit on the top

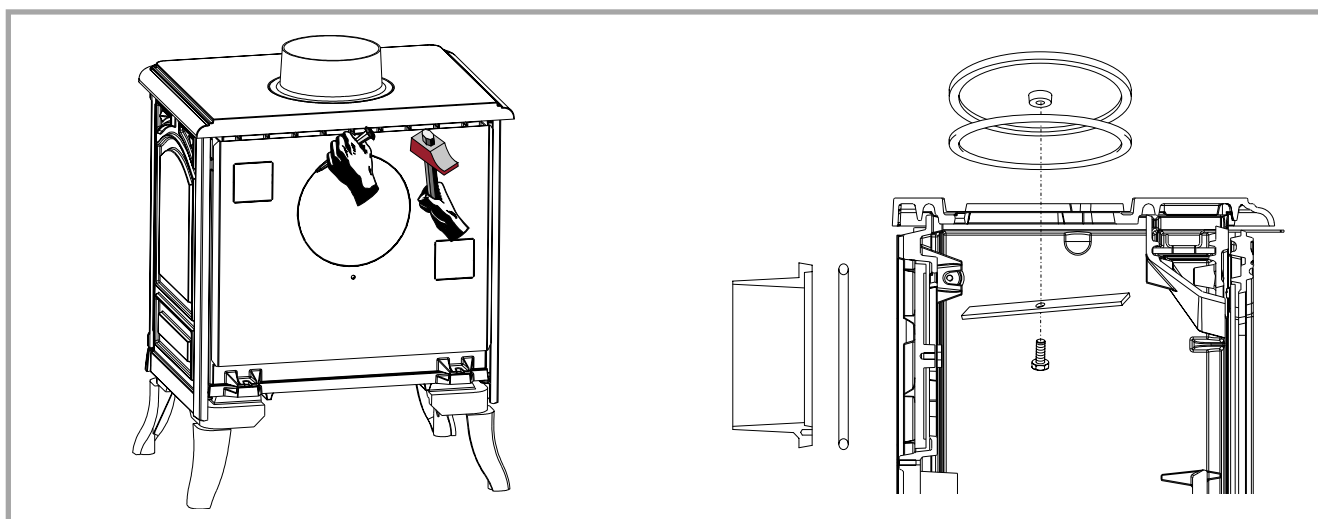


Figure 5 - Smoke exit at rear

- The connection pipe and any draught stabiliser must have access for cleaning.
- The spigot should be connected to a minimum of 125 mm flue system and in that case the appliance is capable of burning untreated wood and recommended solid fuels.

2.8. Pre-utilisation check

Check the condition of the filler seals, that the door closes correctly, that the window is not damaged, that the smoke passages are not obstructed by pieces of packaging or removable parts. All removable parts, fuel retainer, oscillating grate, baffle, must be correctly installed.

2.9. Door closing pressure

Figure 6

The closing latch rotates around a pressure screw positioned cam.

- Loosen pressure screw **1**,
- Turn cam to desired position. **2**,
- Tighten pressure screw **1**.

2.10. Maintenance of the Chimney

Very important : In order to avoid any incident (chimney fire, etc...), maintenance tasks must be carried out regularly. If the appliance is regularly used, the chimney should be swept several times per year, together with the stovepipe connection section.

Chimney condition should be checked at least once per year by a professional engineer.

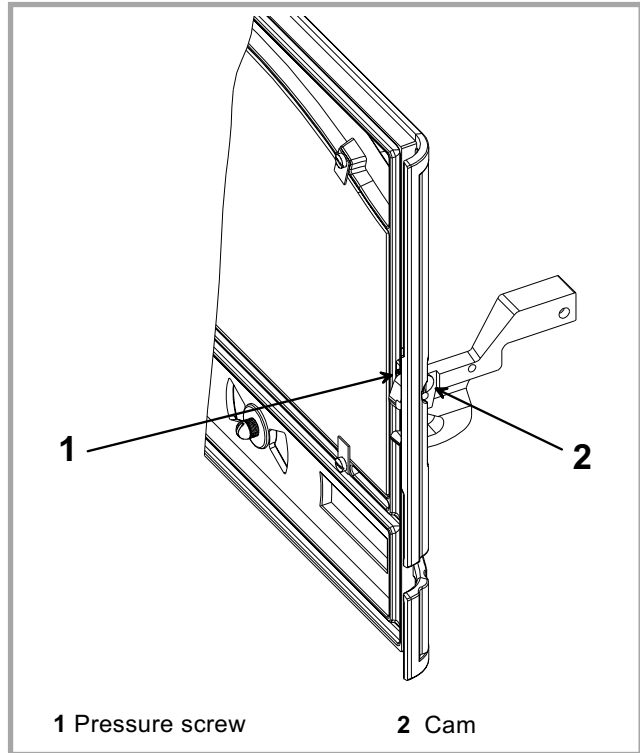


Figure 6 - Adjusting of the door closing pressure

3. Instructions for user

The manufacturer will not be responsible for damages on parts of the appliance due to the use of prohibited fuel or due to an alteration of the appliance or its installation.

Don't run the stove in mild weather with coal : Under certain circumstances (e.g. fog and repeated thaw) the chimney will not draw sufficiently well and thus be at the origin of asphyxia.

Awaiting better weather circumstances, don't use any coal but only wood.

At the first lighting, the fire must be progressively increased to allow the various parts to expand normally and to dry up.

Note : When the fire is lit for the first time, the stove may give off fumes from the new paint. This is normal but ensure the room is well ventilated during the first few hours of operation.

Warning : properly installed and operated this appliance will not emit fumes into the dwelling. Occasional fumes from de-ashing and re-fuelling may occur. Persistent fume emission is dangerous and must not be tolerated. If fume emission does persist :
Open doors and windows to ventilate room.

Let the fire out and dispose of fuel from the appliance. Check for flue or chimney blockage, and clean if required.

Do not attempt to relight the fire until the cause of the fume emission has been identified and corrected. If necessary seek expert advice.

Note : It is recommended to use a fireguard in the presence of children, and also in the presence of old and/or infirm people.

3.1. Fuel

- Slide the top air control (# B1) to the right. Open the lower spin wheel (# C1).
- Lay firelighters or rolled up newspapers on the grate with a reasonable quantity, if necessary, of dry kindling wood. Place 2 or 3 small logs on top.
- Light the newspaper or firelighters using a long taper and close the door.
- When the fire is burning fiercely, add further logs of a diameter up to 10 cms.
- When the stove body is very hot, close the lower spin wheel.
- The burning rate can now be lowered by moving the top air control to the left.

3.2. Lighting

Figure 7

- Slide the top air control (# B1) to the right. Open the lower spin wheel (# C1).
- Open the glass door and add logs.
- Leave the lower spin wheel open for a few minutes to allow the initial volatiles in the wood to burn.
- Close the lower spin wheel.

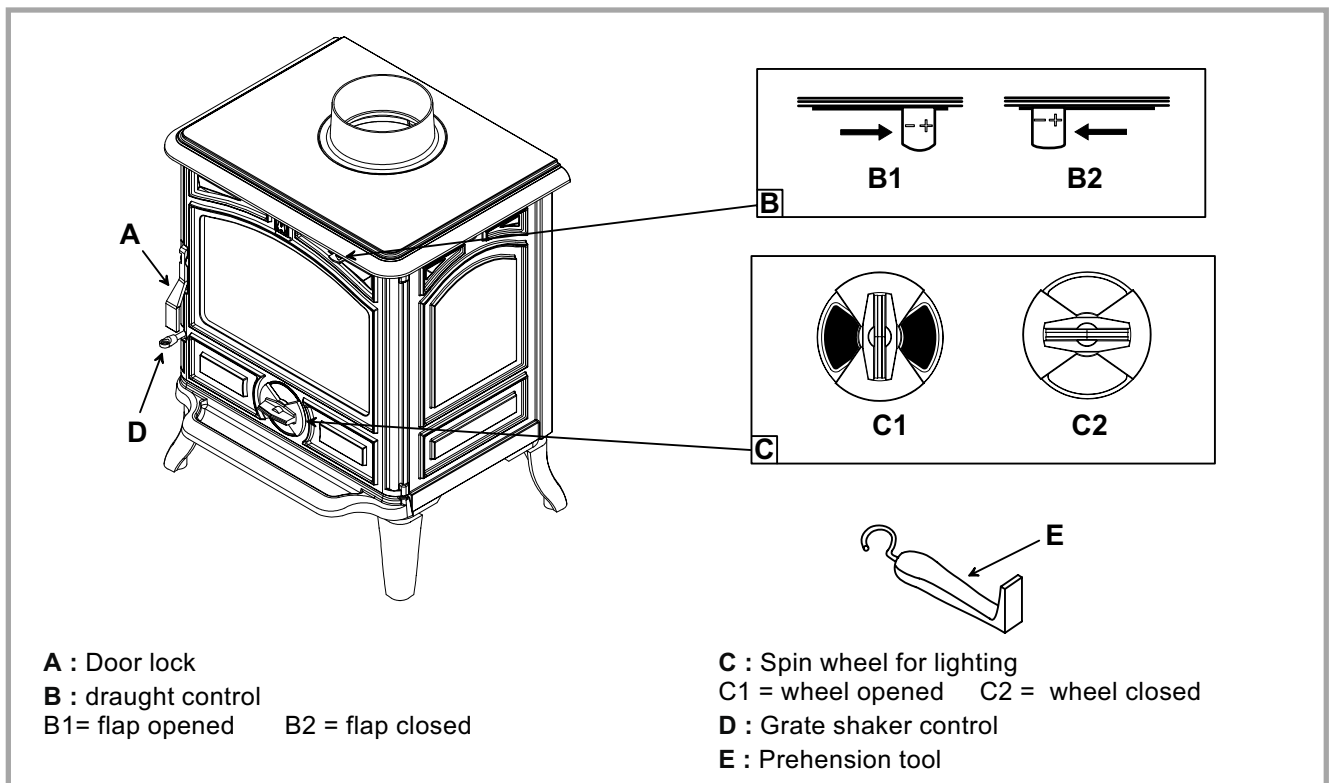


Figure 7 - Operating devices

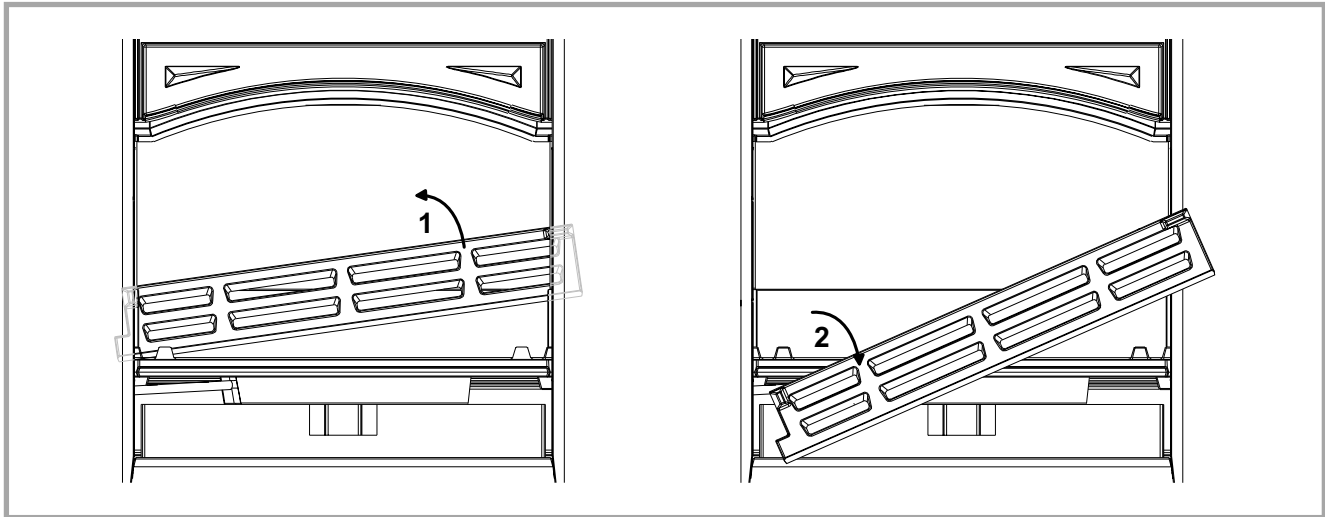


Figure 8 - Removing the fuel retainer

3.3. Instructions for use with solid fuel

3.3.1. lighting

- Slide the top air control (# B1) to the right. Open the lower spin wheel.
- Lay firelighters or rolled up newspapers on the grate with a reasonable quantity, if necessary, of dry kindling wood. Place a small quantity of solid fuel on top.
- Light the newspaper or firelighters using a long taper and close the door.
- When the fire is burning fiercely, add further fuel.
- When the stove body is hot, close the top air control by sliding to the left.
- The burning rate can now be adjusted by rotating the lower spin wheel.

3.3.2. Re-fuelling

- Open the lower spin wheel.
- Open the glass door and add fuel.
- Leave the lower spin wheel open for a few minutes to allow the initial volatiles in the fuel to burn.
- Adjust the lower spin wheel to the desired position.

3.4. Cleaning

It is essential to keep the grate free from a heavy build up of ashes. The Belfort is equipped with a grate riddling device which is used to “shake” ashes off the grate into the ash pan.

Whenever the stove is burning without life when the lower spin wheel is open, use the riddling lever to clear the grate of surplus ashes.

REMEMBER TO BURN SOLID FUEL CORRECTLY, AIR SHOULD BE ALLOWED TO FLOW FROM THE ASH PIT AREA THROUGH THE GRATE AND THROUGH THE FUEL. IF THE GRATE OR ASH PAN ARE CONGESTED, THE PERFORMANCE WILL BE EFFECTED.

If burning solid fuel, always empty the ash pan at least once a day or whenever it is full of ashes. Never allow the ashpan to overfill allowing ash to be in contact with

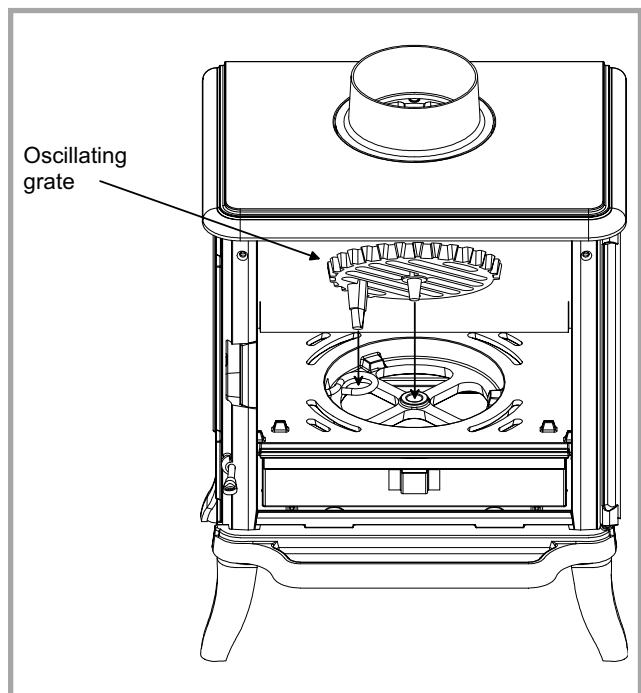


Figure 9 - Mounting the oscillating grate and the ash tray

the underside of the grate. If this condition is allowed, the grate will wear out pre-maturely.


3.5. Maintenance of the stove

- The appliance must be regularly cleaned.
- Remove all deposits from the combustion chamber and clean the grate area.
- Cleaning of the glass door can be done with a soft cloth dampened with water and vinegar or potassium ; this must be done when the appliance is cold ; then rinse with clear water. Do not use abrasive cleaners.
- The “vitroc ceramic” glass will resist to temperatures of up to 750 C. Should the glass break due to misuse, it must be replaced by the manufacturers own product.
- All the casing parts can be cleaned using a soft cloth either dry, or slightly damp. In case of condensation or water splashes clean the parts before they dry out.

Warning! The appearance of cracks when burning the enamelled units is quite usual and tends to disappear when the appliance is cooling down. It should not be considered as a defect but rather as a patina of the enamel which does not affect its quality nor its service ability.

3.6. Recommendations

This room heater is an appliance producing heat and may cause severe burns if touched. - keep children away.

 **The stove may still be hot even when fire has burnt out.**

3.7. Firebricks

When replacing firebricks, the fire must be progressively increased to allow the firebricks to expand normally and to dry up.

3.8. Trouble Shooting



: This sign means that you should asked for a qualified engineer to do the work.

<i>Problem</i>	Probable causes	- Action
<i>Fire difficult to start. Fire goes out.</i>	Wood green... or too damp	- Use hard wood logs, which have been cut for at least two years and stored, under a ventilated shelter.
	Logs are too big	- To light the fire, use small, very dry twigs. To maintain the fire, use split logs.
	Poor quality wood	- Use hardwood that have a higher calorific value per cu metre (Yoke-elm, oak, ash, maple, birch, elm, beech, etc.)
	Not enough primary air	- Open air control.
	Insufficient draught <input checked="" type="checkbox"/>	- Check that the flue is not obstructed, sweep it if necessary - Seek advice from a chimney specialist.
<i>Fire burns too quickly</i>	Too much draught	- Partially close the air control.
	Excessive draught <input checked="" type="checkbox"/>	- Install a draught stabiliser to the connector pipe.
	Poor quality wood	- Do not continuously burn small wood, sticks, bundles, carpentry offcuts (plywood, pallets), etc.
<i>Smokes when lighting up</i>	Flue duct is cold	- Burn paper and kindling wood to increase heat.
	Room is in decompression (negative pressure)	- In houses equipped with mechanical ventilation, partly open a window until the fire is well established.
<i>Smokes while burning.</i>	Insufficient draught <input checked="" type="checkbox"/>	- Vérifier la conformité du conduit de fumée et son isolation. - Check that the flue is not obstructed, sweep it if necessary
	Down draught <input checked="" type="checkbox"/>	- Install an anti-down draught cowl.
	Room is in decompression (negative pressure). <input checked="" type="checkbox"/>	- In houses equipped with mechanical ventilation, partly open a window until the fire is well established.
<i>Low heat output.</i>	Poor quality wood.	- Use hardwood that have a higher calorific value per cu metre (Yoke-elm, oak, ash, maple, birch, elm, beech, etc.)
	Poor mixing of the convection air	- Check the air flow system (air inlet, piping, air outlet). - Check that the next rooms are equipped with ventilation grids to help out the hot air circulation.

4. Spare parts

When ordering spare parts, specify the stove type and serial number, including the colour index (on the guarantee or identification plate), the name of the part and the part number.

Example :
 - Wood stove MONTFORT,
 - réf. 134 06 01 C,
 - Top plate 352168 MK.

Y = 1340601 Y ; J = 1340601 J ; L = 1340601 L ; C = 1340601 C ; I = 1340601 I

N°	Code	Designation.	Type	Y	J	L	C	I	Qty
1	303860	MK	Flue collar				C		01
1	303860	MP	Flue collar					I	01
1	303860	00	Flue collar	Y					01
1	303860	77	Flue collar			L			01
1	303860	79	Flue collar		J				01
2	352168	MK	Top plate				C		01
2	352168	MP	Top plate					I	01
2	352168	00	Top plate	Y					01
2	352168	77	Top plate			L			01
2	352168	79	Top plate		J				01
3	237419	00	Reducing plate	Y	J	L	C	I	01
4	315611	00	Air duct	Y	J	L	C	I	01
5	270412	00	Air control flap	Y	J	L	C	I	01
6	332001	00	SUPL CONDUIT	Y	J	L	C	I	01
7	310831	MK	L. side panel				C		01
7	310831	MP	L. side panel					I	01
7	310831	00	L. side panel	Y					01
7	310831	77	L. side panel			L			01
7	310831	79	L. side panel		J				01
8	222568	00	Flue baffle	Y	J	L	C	I	01
9	105274		Firebrick	Y	J	L	C	I	02
10	324503	00	Sealing plate	Y	J	L	C	I	01
11	301901	00	Oscillating grate	Y	J	L	C	I	01
12	207316	00	Back panel	Y	J	L	C	I	01
13	303718	MK	Blanking plate				C		01
13	303718	MP	Blanking plate					I	01
13	303718	00	Blanking plate	Y					01
13	303718	77	Blanking plate			L			01
13	303718	79	Blanking plate		J				01
14	306286	00	Back wall	Y	J	L	C	I	01
15	325304	00	Reducing plate	Y	J	L	C	I	02
16	406816	00	Clamp	Y	J	L	C	I	01
17	105273		Firebrick	Y	J	L	C	I	01
18	319739	00	Grate support	Y	J	L	C	I	01
19	458404	00	Rod	Y	J	L	C	I	01
20	300493	00	Base	Y	J	L	C	I	01
21	310735	MK	R. side panel				C		01
21	310735	MP	R. side panel					I	01
21	310735	00	R. side panel	Y					01
21	310735	77	R. side panel			L			01
21	310735	79	R. side panel		J				01
22	327906	MK	Tray				C		01
22	327906	MP	Tray					I	01
22	327906	00	Tray	Y					01
22	327906	77	Tray			L			01

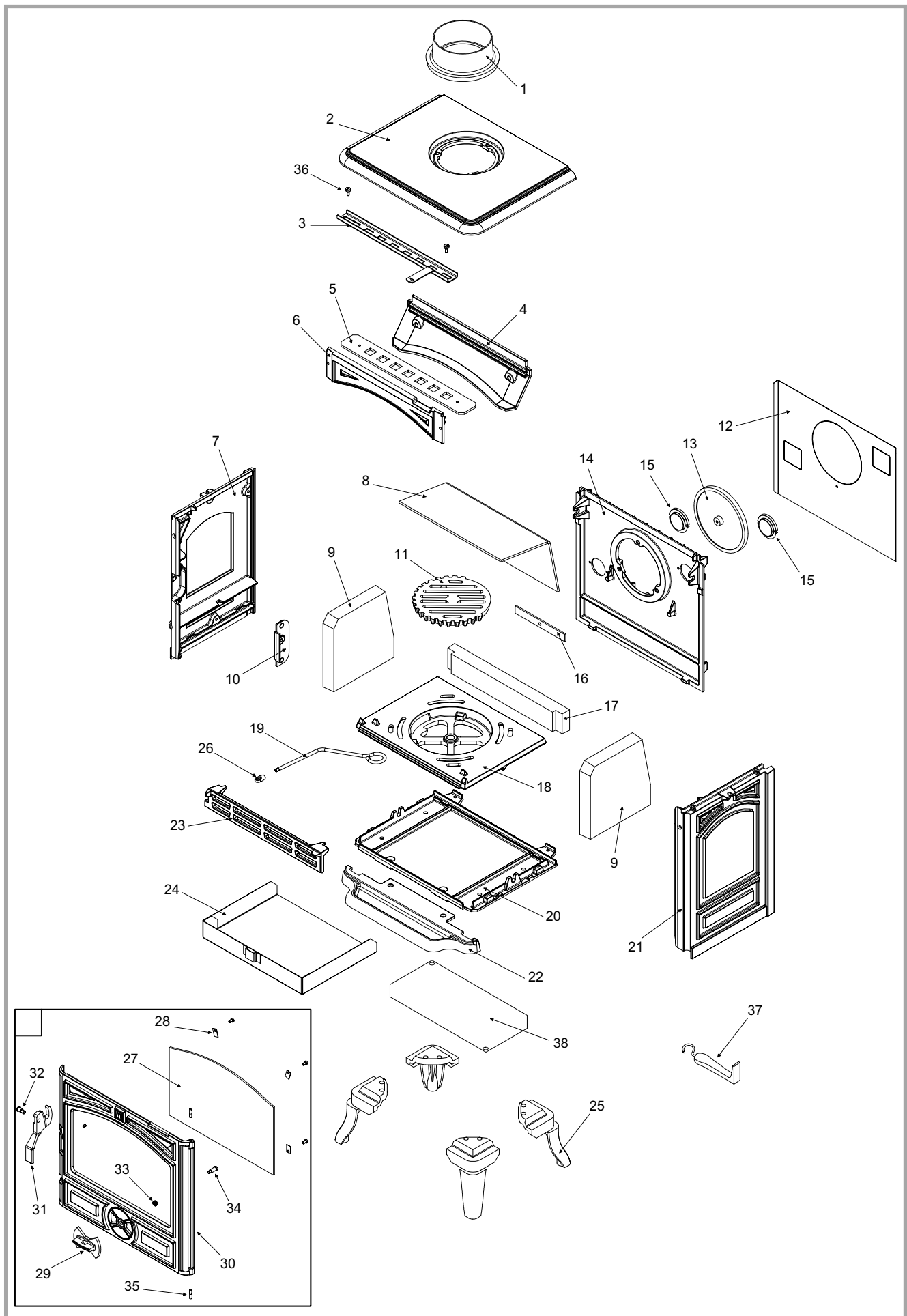


Figure 10 - Vue éclatée de l'appareil

N°	Code	Designation.	Type	Y	J	L	C	I	Qty
22	327906	79	Tray		J				01
23	307439	00	Fuel retainer	Y	J	L	C	I	01
24	624046	00	Ash-pan	Y	J	L	C	I	01
25	300118	MK	Leg.				C		04
25	300118	MP	Leg					I	04
25	300118	00	Leg	Y					04
25	300118	77	Leg.			L			04
25	300118	79	Leg		J				04
26	105123		Knob	Y	J	L	C	I	01
27	188830		Ceramic glass	Y	J	L	C	I	01
28	259015	00	Fixing plate.	Y	J	L	C	I	04
29	301742	MK	Air damper.				C		01
29	301742	MP	Air damper					I	01
29	301742	00	Air damper	Y					01
29	301742	77	Air damper			L			01
29	301742	79	Air damper		J				01
30	331118	MK	Main door				C		01
30	331118	MP	Main door.					I	01
30	331118	00	Main door	Y					01
30	331118	77	Main door			L			01
30	331118	79	Main door		J				01
31	301526	MK	Door lock				C		01
31	301526	MP	Door lock					I	01
31	301526	00	Door lock.	Y					01
31	301526	77	Door lock			L			01
31	301526	79	Door lock		J				01
32	100917		Cam pin	Y	J	L	C	I	01
33	166003		Spring	Y	J	L	C	I	01
34	189103		Screw	Y	J	L	C	I	01
35	189104		Screw.	Y	J	L	C	I	02
36	100939		Axle	Y	J	L	C	I	02
37	808001	ED	Hand tool.	Y	J	L	C	I	01
38	262612		Heat shield.	Y	J	L	C	I	01



Warranty certificate

Legal warranty

Our products are guaranteed for twelve months against any defect, flaw or imperfection. During this time, all parts judged defective by our Warranty control department may be replaced in our workshops. Incidental costs of transportation and packing payable by the buyer.

Some parts or components have a longer warranty period :

- Cast-iron shell of boiler : 3 years
- Steel shell of boiler : 3 years
- Removable or independent stainless steel hot water cylinder : 5 years
- Independent enamelled steel hot water cylinder : 3 years
- Incorporated circulating pump : 2 years.

Terms of the warranty

This warranty is only valid if :

- The unit has been installed and checked by a professional installer before operating,

- All installation and adjustment instructions listed in the technical manual supplied with the unit have been followed,

- All operation and maintenance instructions have been followed.

This warranty does not cover :

- Lamps, fuses, spark plugs, cast iron parts directly in contact with burning coal and wood, firebricks, flue baffles, glasses .

- Any damage resulting from the use of fuel not recommended in our instructions ;

- Parts which are damaged by external causes such as unadapted chimneys, thunderstorms, damp, faulty pressure or fail in pressure, thermic anomalies, explosions, etc...

- Electrical parts which are deteriorated by any connection or use on a supply circuit with voltage within 10% of the indicted voltage (230 V in EU).

Material subject to modifications without prior notice.

This manual does not engage the responsibility of FRANCO BELGE.

☒ Name and address of the installer : _____

☎ Telephone : _____

☒ Name and address of the customer : _____

Date of installation : _____ / _____ / _____

Model of the appliance : 134 06 01

Color : Y J L C I

Serial number : _____

• This certificate has to be completed and kept carefully.
In case of claims, send a copy of this to :

STAUB FONDERIE
Administration and manufacturing : BP 73, 59660 MERVILLE, FRANCE.