FONDIS
être différent

Installation & user guide
(please keep carefully this document)

RANGE STELLA 3

INDICATIONS PLACED ON THE NAMEPLATE FOUND ON THE APPLIANCE:

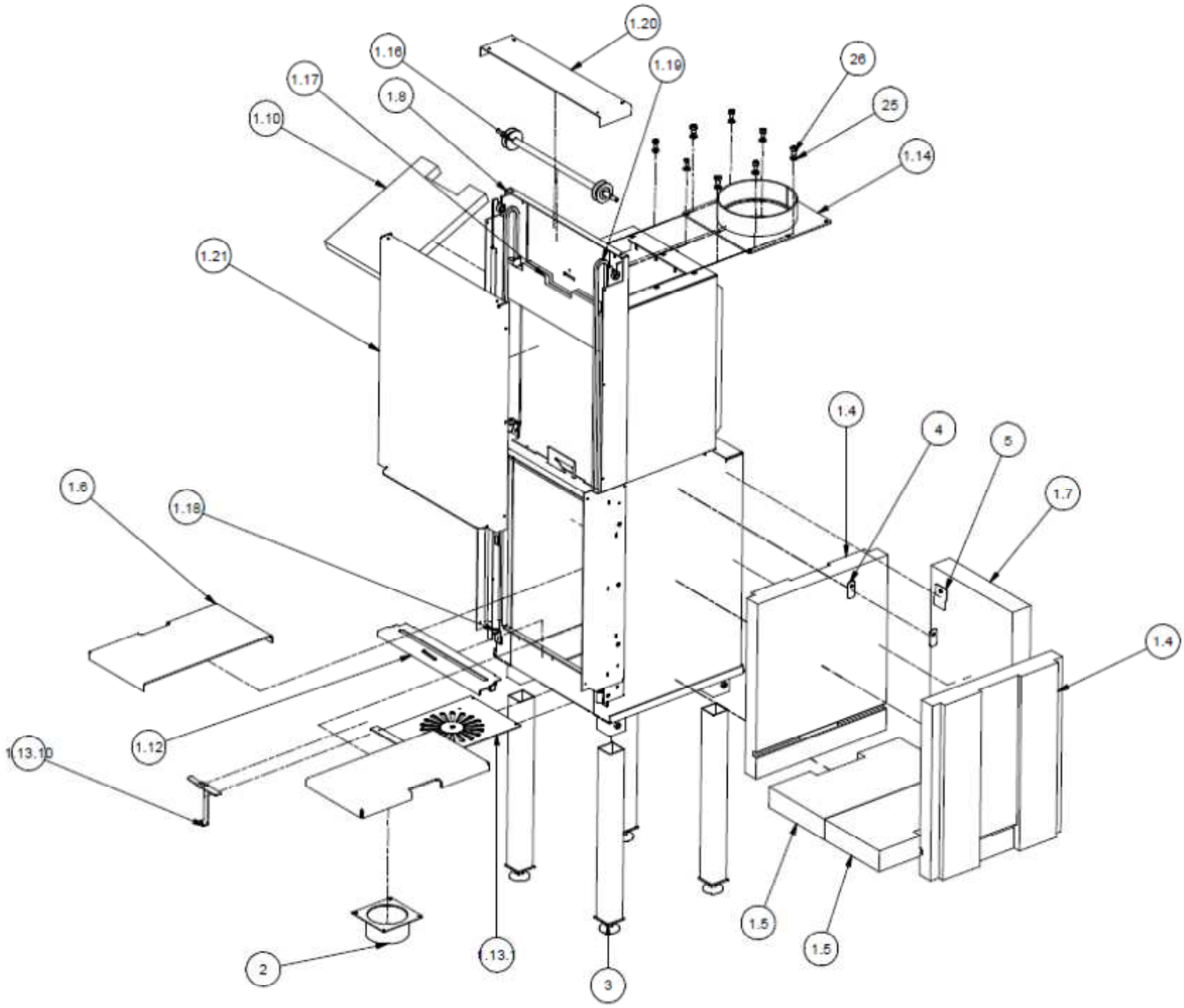
- Model : ……..
- Serial N° : ……..
- Purchase date: ……...

IMPORTANT :
It is recommended to note the serial number and to write it down here above. It will be necessary for ordering spare parts.

Réf notice : 07/15

SUMMARY

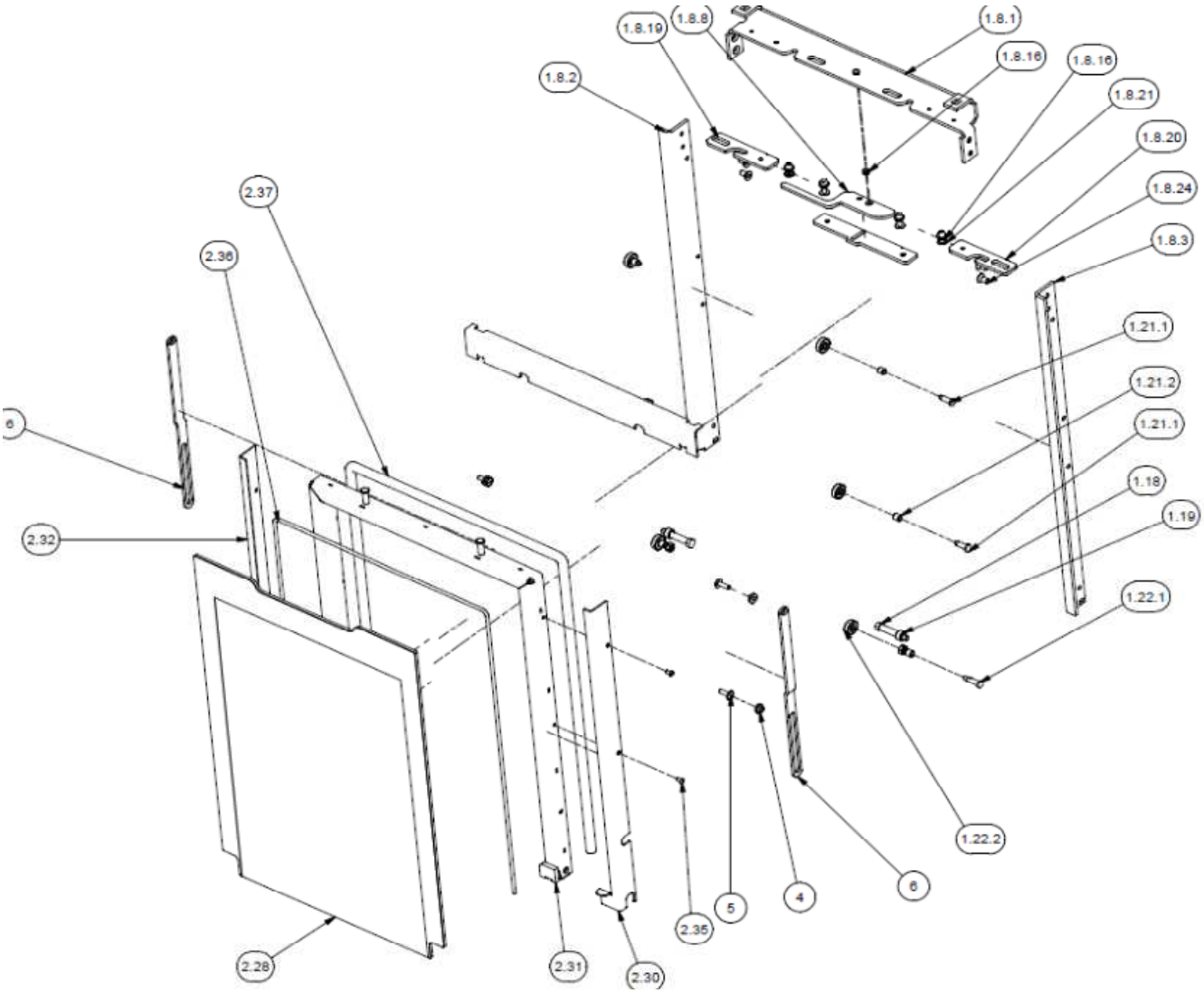
EXPLODED VIEW STELLA3 RANGE



LIST OF DEVICES STELLA3 RANGE

N°	DESCRIPTION	V350	QT	H600	QT	H700	QT	DFH700	QT	H1000	QT
1.4	SIDE STONE	BF523045	2	BF522045	2	BF521045	2	BF525045	2	BF523045	3
1.5	EARTH STONE	BF523043	2	BF522043	2	BF521043	2	BF525043	2	BF526043	1
	SIDE STONE	-		-		-		-		BF526043.1	2
1.6	DISTRIBUTOR	BF523080	2	BF522080	2	BF521080	2	BF525080	2	BF526080	2
1.7	BACK STONE	BF523044	1	BF522044	1	BF521044	1	-		BF526044	2
1.10	DEFLECTOR	BF521284	1	BF55284	1	BF53284	1	BF59284	2	BF57284	1
1.12	BRACKET	BF523161	1	BF522161	1	BF521161	1	BF521161	1	BF526161	1
	BRACKET DF	-		-		-		BF525161	1	-	
1.13	BACK STEEL PLATE	BF521135	1	BF521135	1	BF521135	1	BF521135	1	BF521135	1
1.13.10	DAMPER	BF521602	1	BF521602	1	BF521602	1	BF521602	1	BF521602	1
1.14	ASSEMBLED NOZZLE	BF523093	1	BF521108	1	BF521108	1	BF525099	1	BF526099	1
1.16	SHAFT PULLEY	BF523253	1	BF522253	1	BF521253	1	BF521253	2	BF526253	1
1.17	COUNTER WEIGHT	BF523055	1	BF522055	1	BF521055	1	BF521055	2	BF526055	1
1.18	SILICONE	BUTSIL	4	BUTSIL	4	BUTSIL	4	BUTSIL	8	BUTSIL	4
1.19	CHAINE CH 8/1	BF523308	2	BF522308	2	BF521308	2	BF521308	4	BF523308	2
1.20	COVER HOUSING	BF523059	1	BF522059	1	BF521059	1	BF521059	2	BF526059	1
1.21	DOOR HOUSING	BF523051	1	BF522051	1	BF521051	1	BF521051	2	BF526051	1
2	OUTLET NOZZLE	BF521049	1	BF521049	1	BF521049	1	BF521049	1	BF521049	1
3	FEET SET	BF40204	4	BF40204	4	BF40204	4	BF40204	4	BF40204	4
4	STONE HOLDER	BF521906	2	BF521906	2	BF521906	2	BF521906	2	BF521906	2
5	STONE HOLDER	BF521930	1	-		-		-		BF521930	1
25	WASHER M6	44116	8	44116	8	44116	8	-		44116	4
26	SCREW M6x25	47061	8	47061	8	47061	8	-		47061	4

DOOR EXPLODED VIEW STELLA 3 RANGE

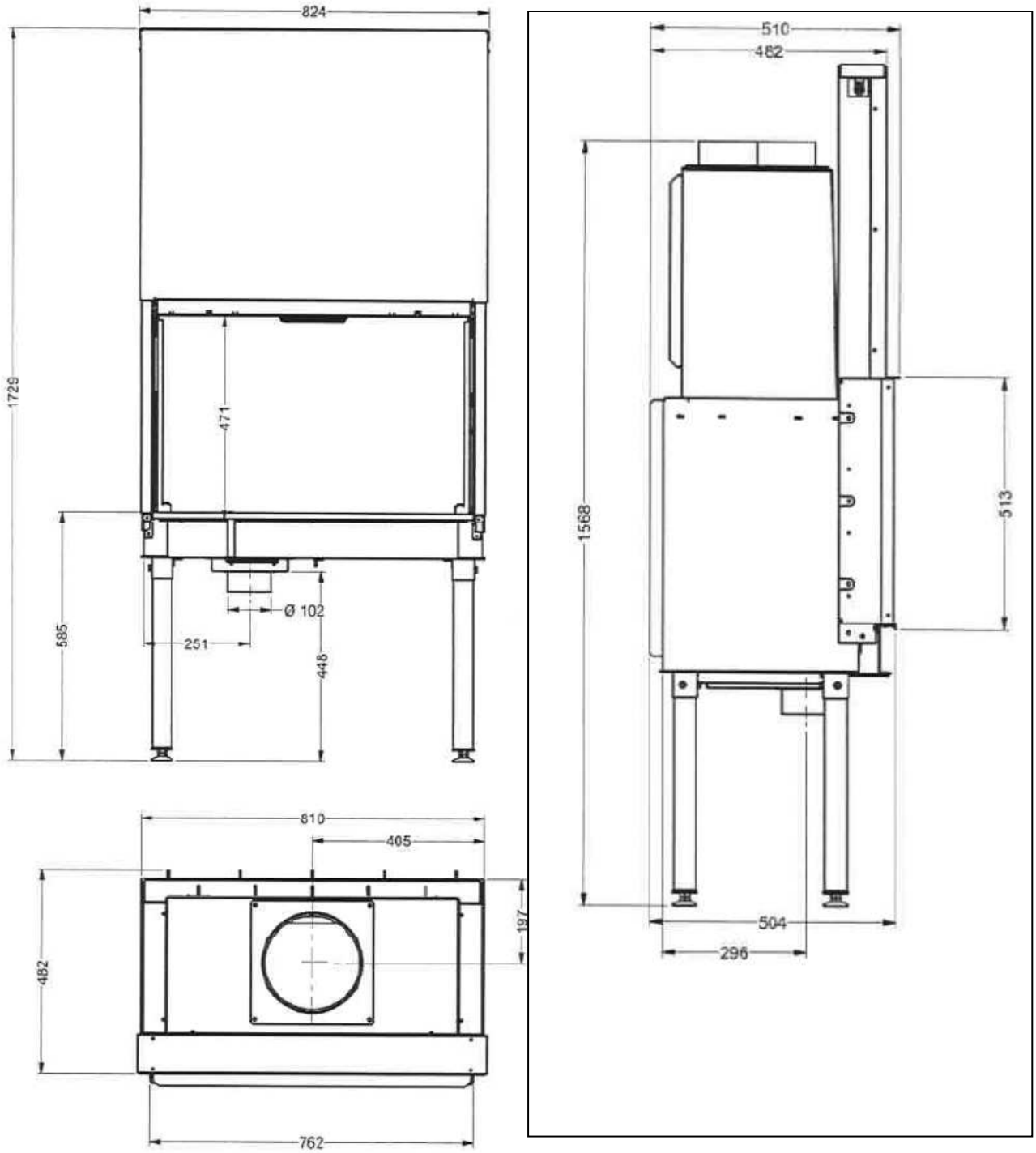


DOOR PART LIST STELLA3 RANGE

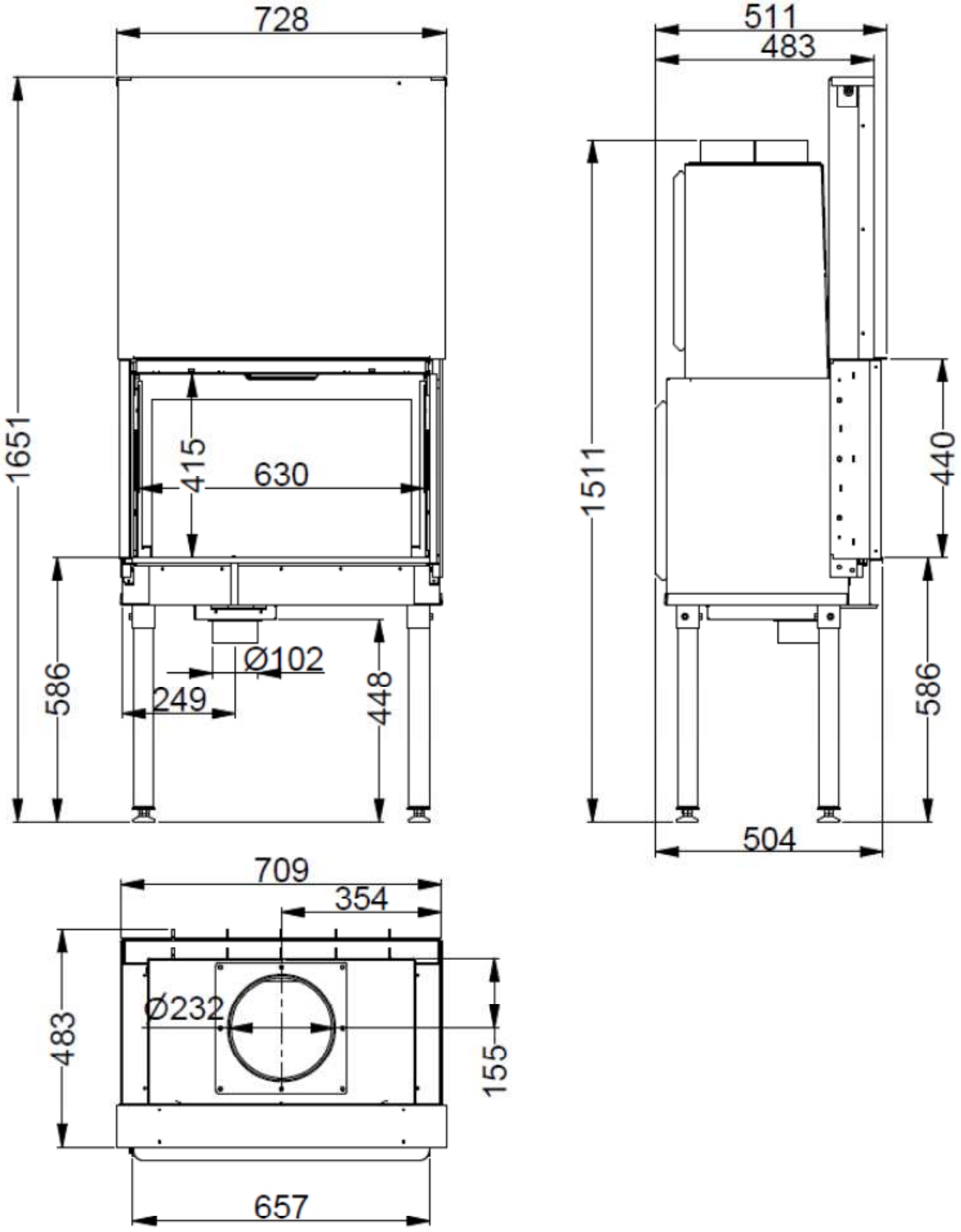
N°	DESCRIPTION	V350	QT	H600	QT	H700	QT	DFH700	QT	H1000	QTE
1.8.1	DOORT SKELETON	BF523101	1	BF522101	1	BF521101	1	BF521101	2	BF526101	1
1.8.2	RIGHT SIDE	BF523102	1	BF522102	1	BF521102	1	BF521102	2	BF526102	1
1.8.3	LEFT SIDE	BF523103	1	BF522103	1	BF521103	1	BF521103	2	BF526103	1
1.8.8	LOCK	BF521031	1	BF521031	1	BF521031	1	BF521031	2	BF521031	1
1.8.16	SPACER	BF521911	5	BF521911	5	BF521911	5	BF521911	10	BF521911	5
1.8.17	CENTRAL LOCKL	BF523700	1	BF523700	1	BF523700	1	BF523700	2	BF523700	1
1.8.19	RIGHT LOCK	BF523902	1	BF522902	1	BF521902	1	BF521902	2	BF526902	1
1.8.20	LEFT LOCK	BF523903	1	BF522903	1	BF521903.1	1	BF521903.1	2	BF526903	1
1.8.21	SCREW	BF521600	4	BF521600	4	BF521600	4	BF521600	8	BF521600	4
1.8.24	SCREW	43319	4	43319	4	43319	4	43319	8	44319	4
1.18	DOOR AXIS	BF521150	2	BF521150	2	BF521150	2	BF521150	4	BF526150	2
1.19	SPACER	BF521240	2	BF521240	2	BF521240	2	BF521240	4	BF521240	2
1.21.1	RIGHT BEARING AXIS	BF521105	4	BF521105	4	BF521105	4	BF521105	8	BF521102	4
1.21.2	SPACER	BF521903	6	BF521903	6	BF521903	6	BF521903	12	BF521903	6
1.22.1	LEFT BEARING AXIS	BF521904	2	BF521904	2	BF521904	2	BF521904	4	BF521904	2
1.22.2	DOOR BEARING	44047	6	44047	6	44047	6	44047	12	44047	6
2.28	WINDOW PANE	BF523025	1	BF522025	1	BF521025	1	BF521025	2	BF526025	1
2.30	RIGHT GLASS FASTENER	BF523023	1	BF522023	1	BF521023	1	BF521023	2	BF526023	1
2.31	DOOR	BF523021	1	BF523021	1	BF521021	1	BF521021	2	BF526021	1
2.32	LEFT GLASS FASTENER	BF523027	1	BF523022	1	BF521022	1	BF521022	2	BF526022	1
2.35	SCREW TBHC M4X8	44720	4	44720	4	44720	4	44720	8	44720	
2.36	GLASS GASKET	40240.3	1	40240.3	1	40240.3	1	40240.3	2	40240.3	2
2.37	DOOR GASKET	112	1	112	1	112	1	112	2		
3	COVER S	BF523241	1	BF522241	1	BF521241	1	BF521241	2	BF526241	1
4	SPACER	BF521920	4	BF521920	4	BF521920	4	BF521920	8	BF521920	4
5	SCREW TBHC 5X16	BF521601	4	BF521601	4	BF521601	4	BF521601	8	BF521601	4
6	TIE ROD	BF521123	2	BF521123	2	BF521123	2	BF521123	4	BF521123	2

DRAWINGS

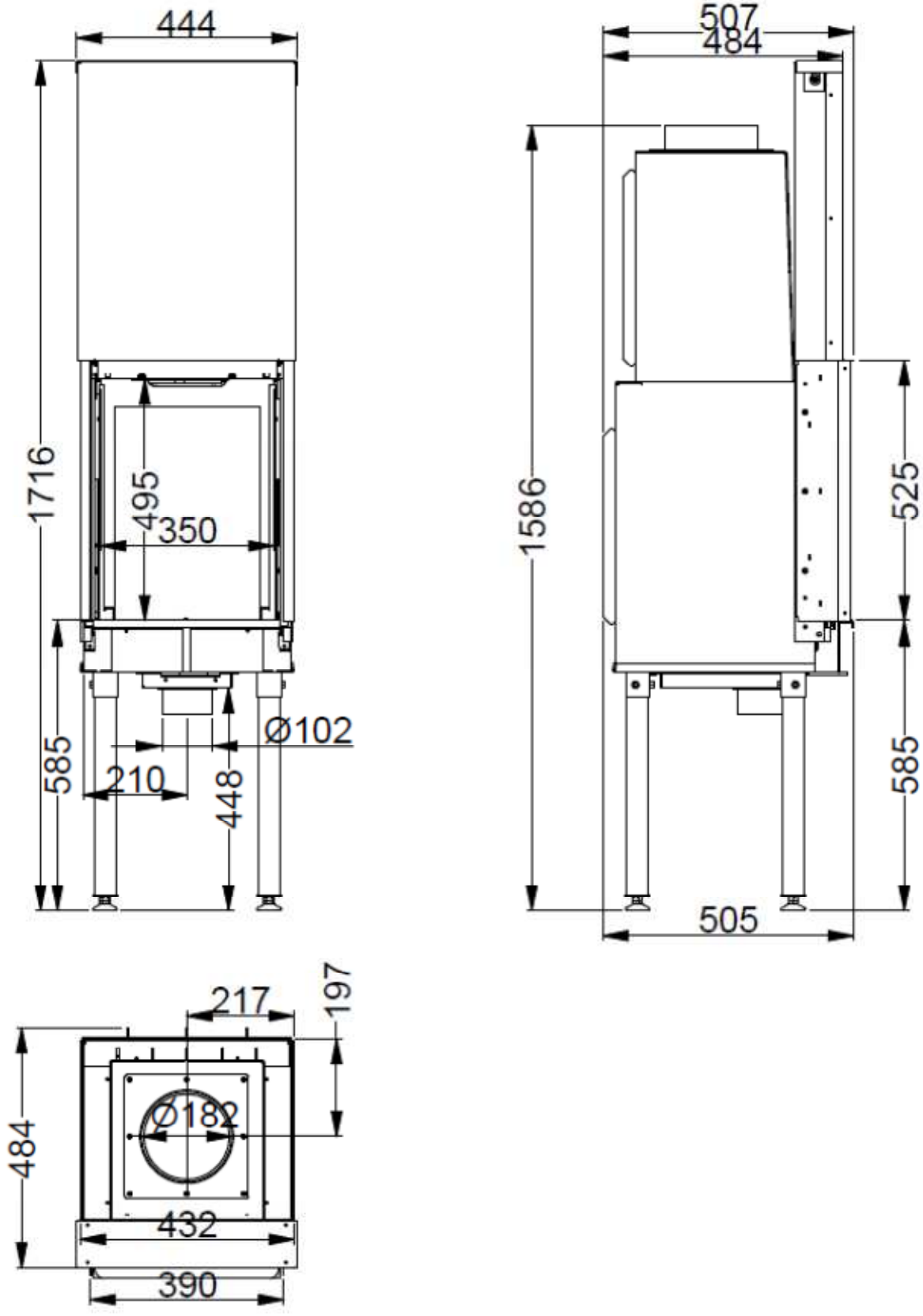
STELLA3 H700



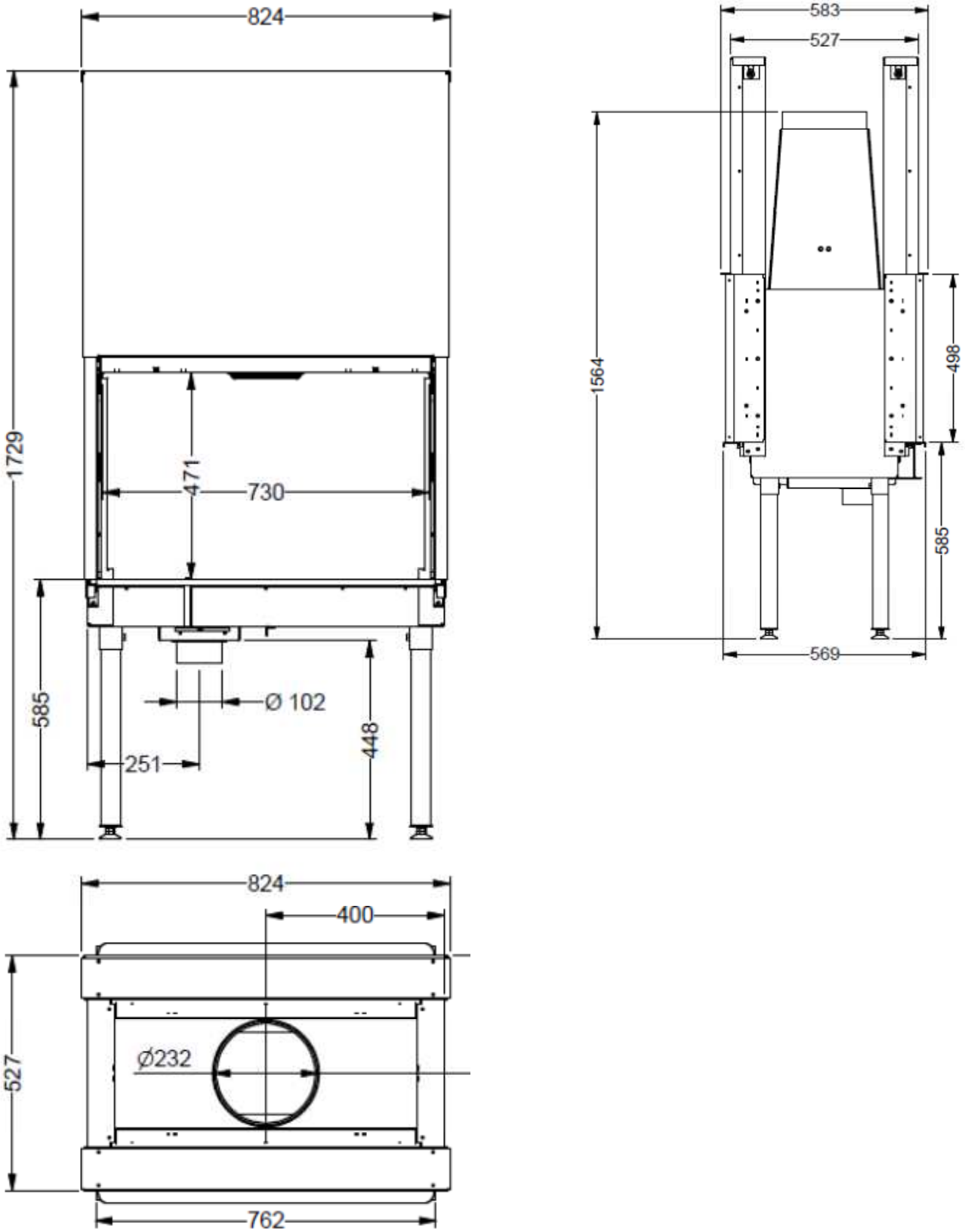
STELLA3 H600



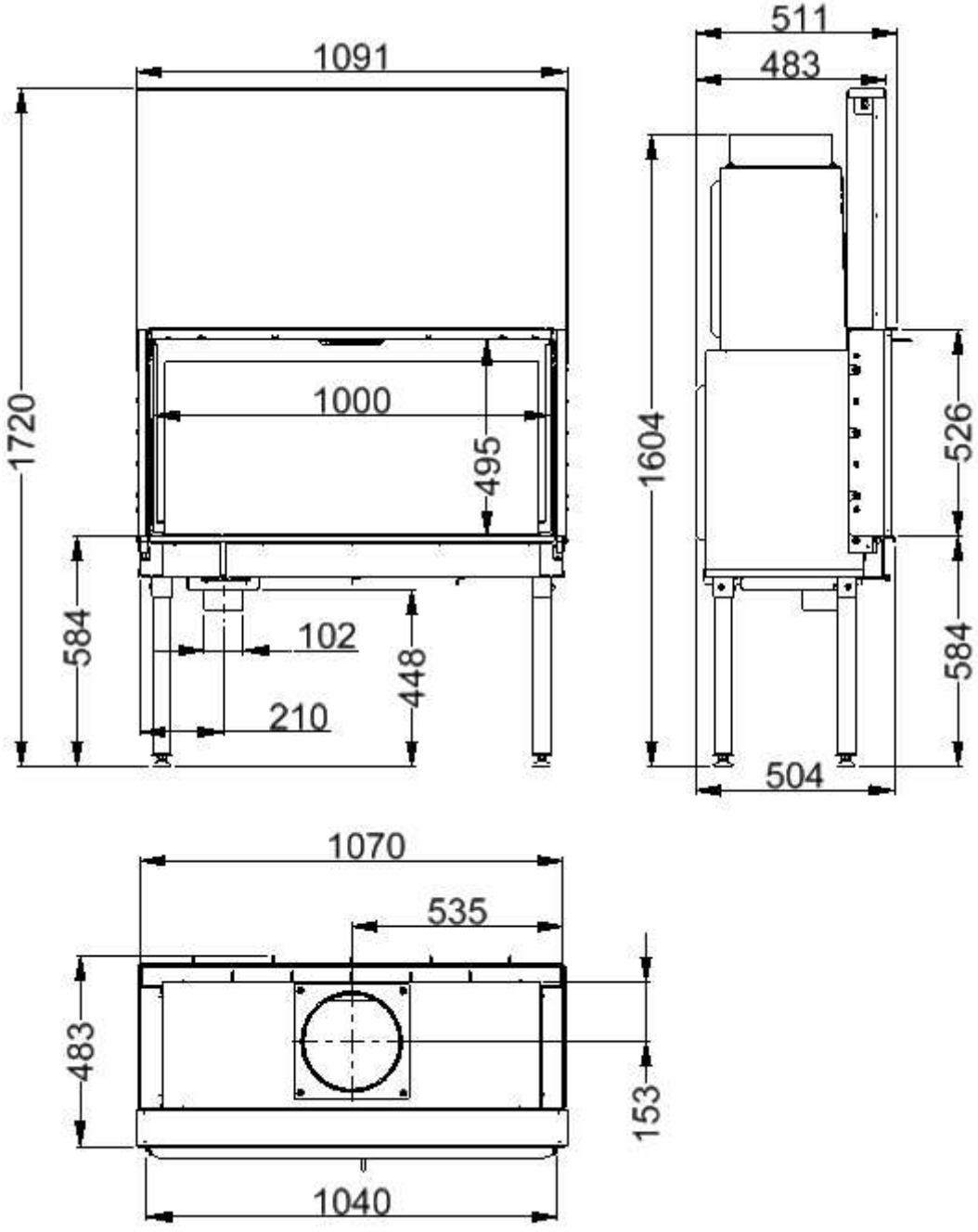
STELLA3 V350



STELLA3 DFH700



STELLA3 H1000



CE CONFORMITY CERTIFICATES

STELLA3-STELLA3DF

CE

DECLARATION CE DE CONFORMITE
EC DECLARATION OF CONFORMITY

Le fabricant soussigné : The undersigned manufacturer :

FONDIS SA
ZI de Vieux-Thann, 18 rue Guy de Place-68801 THANN Cedex– France
Unité de production / Manufacturing plant : FONDIS

Déclare que l'équipement, désigné ci-après : herewith declare that the products :

Genre / Kind	Foyer à combustion solide/Inset appliance fired by solid fuel
Classification / Categorisation	Appareil à porte fermée/Appliance operating with firedoors closed
Marque / Trade Mark	FONDIS
Modèle / Model	STELLA3-STELLA3DF
Puissance nominale / Nominal heat output	16 kW
Rendement / Efficiency	77 %
CO moyen / CO content	0.2 13% O2 -mg/MJ -mg/m3 13% O2
NOx moyen / NOx content	mg/MJ -mg/m3 13% O2
CnHm	mg/MJ -mg/m3 13% O2
Poussières / Particulate matter	mg/MJ -85mg/m3 13% O2
Température fumées / Gas flue temperature	250°C

Est conforme / is in conformity :

* à la norme européenne EN13229 de juin 2002.
Lorsqu'il est installé conformément aux instructions d'installation fournies dans la documentation.
When installed in accordance with the installation instructions contained in the product documentation

Données pour le calcul des conduits selon EN 13384 :data for calculation of chimney accoding EN 13384 :

Débit massique des fumées / Flue mass	18 g/s
Température à la buse / Flue Collar Temperatur	300 °C
Tirage requis / required draght	12 Pa
CO2 moyen / CO2 average	7.1 %

La procédure d'attestation de la conformité appliquée comporte / Provisions to which the products conforms

Examen CE de type initial *EC Initial type testing*	***Sous la responsabilité*** *Under the responsability*
FON01	FONDIS SA, ZI de Vieux Thann, 18 Rue Guy de Place 68801 Thann Cedex– France

Vieux– Thann—France, le 15/10/2014

Nom / Name : Frédéric HAAS

Qualité / Position : Directeur Technique / Technical Manager

STELLA3H600

CE

DECLARATION CE DE CONFORMITE
EC DECLARATION OF CONFORMITY

Le fabricant soussigné : The undersigned manufacturer :

FONDIS SA
ZI de Vieux-Thann, 18 rue Guy de Place-69801 THANN Cedex– France
Unité de production / Manufacturing plant : FONDIS

Déclare que l'équipement, désigné ci-après : herewith declare that the products :

Genre / Kind	Foyer à combustion solide/Inset appliance fired by solid fuel
Classification / Categorisation	Appareil à porte fermée/Appliance operating with firedoors closed
Marque / Trade Mark	FONDIS
Modèle / Model	STELLA3H600
Puissance nominale / Nominal heat output	11 kW
Rendement / Efficiency	75 %
CO moyen / CO content	0.18 13% O2 -mg/MJ -mg/m3 13% O2
NOx moyen / NOx content	mg/MJ -mg/m3 13% O2
CnHm	mg/MJ -mg/m3 13% O2
Poussières / Particulate matter	mg/MJ -80mg/m3 13% O2
Température fumées / Gas flue temperature	258°C

Est conforme / is in conformity :

* à la norme européenne EN13229 de juin 2002.
Lorsqu'il est installé conformément aux instructions d'installation fournies dans la documentation.
When installed in accordance with the installation instructions contained in the product documentation

Données pour le calcul des conduits selon EN 13384 :data for calculation of chimney accoding EN 13384 :

Débit massique des fumées / Flue mass	14 g/s
Température à la buse / Flue Collar Temperatur	308 °C
Tirage requis / required draght	12 Pa
CO2 moyen / CO2 average	6.8 %

La procédure d'attestation de la conformité appliquée comporte / Provisions to which the products conforms

Examen CE de type initial *EC Initial type testing*	***Sous la responsabilité*** *Under the responsability*
FON03	FONDIS SA, ZI de Vieux Thann, 18 Rue Guy de Place 69801 Thann Cedex– France

Vieux– Thann—France, le	15/10/2014
Nom / Name : Frédéric HAAS	
Qualité / Position : Directeur Technique / Technical Manager	

STELLA3V350

CE

DECLARATION CE DE CONFORMITE
EC DECLARATION OF CONFORMITY

Le fabricant soussigné : The undersigned manufacturer :

FONDIS SA
ZI de Vieux-Thann, 18 rue Guy de Place-68801 THANN Cedex– France
Unité de production / Manufacturing plant : FONDIS

Déclare que l'équipement, désigné ci-après : herewith declare that the products :

Genre / Kind	Foyer à combustion solide/Inset appliance fired by solid fuel
Classification / Categorisation	Appareil à porte fermée/Appliance operating with firedoors closed
Marque / Trade Mark	FONDIS
Modèle / Model	STELLA3V350
Puissance nominale / Nominal heat output	7.5 kW
Rendement / Efficiency	75 %
CO moyen / CO content	0.17 13% O2 -mg/MJ -mg/m3 13% O2
NOx moyen / NOx content	mg/MJ -mg/m3 13% O2
CnHm	mg/MJ -mg/m3 13% O2
Poussières / Particulate matter	mg/MJ -77mg/m3 13% O2
Température fumées / Gas flue temperature	230°C

Est conforme / is in conformity :

* à la norme européenne EN13229 de juin 2002.
Lorsqu'il est installé conformément aux instructions d'installation fournies dans la documentation.
When installed in accordance with the installation instructions contained in the product documentation

Données pour le calcul des conduits selon EN 13384 :data for calculation of chimney accoding EN 13384 :

Débit massique des fumées / Flue mass	24 g/s
Température à la buse / Flue Collar Temperatur	280 °C
Tirage requis / required draght	12 Pa
CO2 moyen / CO2 average	5.2 %

La procédure d'attestation de la conformité appliquée comporte / Provisions to which the products conforms

Examen CE de type initial *EC Initial type testing*	***Sous la responsabilité*** *Under the responsability*
FON02	FONDIS SA, ZI de Vieux Thann, 18 Rue Guy de Place 68801 Thann Cedex– France

Vieux– Thann—France, le	15/10/2014
Nom / Name : Frédéric HAAS	
Qualité / Position : Directeur Technique / Technical Manager	

STELLA3H1000

CE

DECLARATION CE DE CONFORMITE
EC DECLARATION OF CONFORMITY

Le fabricant soussigné : The undersigned manufacturer :

FONDIS SA
ZI de Vieux-Thann, 18 rue Guy de Place-70801 THANN Cedex– France
Unité de production / Manufacturing plant : FONDIS

Déclare que l'équipement, désigné ci-après : herewith declare that the products :

Genre / Kind	Foyer à combustion solide/Inset appliance fired by solid fuel
Classification / Categorisation	Appareil à porte fermée/Appliance operating with firedoors closed
Marque / Trade Mark	FONDIS
Modèle / Model	STELLA3H1000
Puissance nominale / Nominal heat output	18 kW
Rendement / Efficiency	75 %
CO moyen / CO content	0.2 13% O2 -mg/MJ -mg/m3 13% O2
NOx moyen / NOx content	mg/MJ -mg/m3 13% O2
CnHm	mg/MJ -mg/m3 13% O2
Poussières / Particulate matter	mg/MJ -80mg/m3 13% O2
Température fumées / Gas flue temperature	260°C

Est conforme / is in conformity :

* à la norme européenne EN13229 de juin 2002.
Lorsqu'il est installé conformément aux instructions d'installation fournies dans la documentation.
When installed in accordance with the installation instructions contained in the product documentation

Données pour le calcul des conduits selon EN 13384 :data for calculation of chimney accoding EN 13384 :

Débit massique des fumées / Flue mass	18 g/s
Température à la buse / Flue Collar Temperatur	310 °C
Tirage requis / required draght	12 Pa
CO2 moyen / CO2 average	6.8 %

La procédure d'attestation de la conformité appliquée comporte / Provisions to which the products conforms

Examen CE de type initial *EC Initial type testing*	***Sous la responsabilité*** *Under the responsability*
FON03	FONDIS SA, ZI de Vieux Thann, 18 Rue Guy de Place 70801 Thann Cedex– France

Vieux– Thann—France, le 28/11/2014

Nom / Name : Frédéric HAAS

Qualité / Position : Directeur Technique / Technical Manager

FIREPLACE DIMENSIONS

Dimensions	Width	Height	Depth	Net weight
STELLA3 H700	824 mm	1729 mm	581 mm	185 kg
STELLA3 DF700	824 mm	1729 mm	583 mm	190 kg
STELLA3H600	728 mm	1651 mm	511 mm	150 kg
STELLA3V350	444 mm	1716 mm	507 mm	130 kg
STELLA3H1000	1091 mm	1720 mm	511 mm	220 kg

For reasons related to the manufacturing, dimensional variations may occur in relation to the theoretical dimensions. This is due to manufacturing tolerances and requirements. Taking into account the expansion of the different materials, the device is, in addition, subject to slight deformations when burning hot.
However, these deformations don't affect the good functioning of the device.

1 INSTALLATION GUIDE

1.1. RESPONSABILITIES

1.1.1. INSTALLATOR'S RESPONSABILITIES

The person or company that carries out the installation of the fireplace is responsible for this installation and takes also the responsibility for the existing parts (chimney, flue…

They are hence expected to check the existing installation and to carry out the necessary modifications to comply with the current regulations.

1.1.2.COMPLIANCE WITH REGULATIONS

The instructions and recommendations of the guide come in addition to current regulations. They do not replace them. We recommend that you familiarize yourself with the documents mentioned below. The installation of the appliance must comply with national regulations. The chimney flue to which the appliance will be connected must comply with national regulations.

This fire appliance is in compliance with current standards, it's strictly forbidden to modify the appliance in any way.

1.2. CHIMNEY FLUE

In the case of a chimney flue ending at the level of the ceiling, we draw your attention of the following requirements:

- either a junction of the connecting duct and the chimney duct ensuring the tightness and the thermal resistance of the installation ,
- sor appropriate casing of the throat at the stack base, following the rules of fire spacing.

1.2.1. NEW FLUE DUCT

The duct must be made with materials in compliance with national current standards. The duct must be able to sustain the maximum temperature of the appliance.

1.2.2. EXISTING FLUE DUCT

It must be checked that :

- - the compatibility of the duct with the use of wood as fuel,

- - the tightness and vacuity of the duct

- - it's stability.

If the duct is not suitable, it's necessary to

- Either carry out a casing following a procedure with technical notice in favour of this particular use,
- Install a duct lining,
- Or install a new duct adapted to this use.

The tubing can go descend to the nozzle of the appliance if it's the same diameter

1.2.3. DIMENSIONS OF THE CHIMNEY FLUE DUCT

The chimney flue must have a minimum rectangular or square section of 400 cm² and a length/width with ratio of less than 2 or an equivalent section of minimum hydraulic diameter 200 Ø eq.mm . In this case of lining, this section can be brought back to 350 cm².
In the case of casing and under certain conditions, the minimum diameter can be brought back to 180 mm. It's highly recommended to have a duct of identical hydraulic diameter as the vent, i.e. of diameter Ø int. mm (female nozzle Ø int). Moreover, the top the chimney must be above the roof ridge by at least 40 cm. In any case, and in order for the fireplace to operate properly, the draft (TI) of the duct must be between 10 and 30 pa (1 to 3 mm of water column). Outside these ranges, an insufficient draft will lead to fume back drafts and an excessive draft will lead to runaway combustion and fireplace damage.
The draft can be regulated using a draft moderator set to 2 mm of water column.

According to EN 13384-1 certification, all individual flues should be calculated under the responsibility of the installer in order to justify the smooth operation of the installation.

	Minimum HEIGHT			
Ø nozzle (mm)	180	200	230	250
Stella3H700	6.3 m	5.1 m	**3.9 m**	3.3 m
Stella3DFH700	6.3 m	5.1 m	**3.9 m**	3.3 m
Stella3V350	**3.1 m**	3.1 m	3.1 m	3.1 m
Stella3H600	4.7 m	3.8 m	**2.9 m**	2.9 m
Stella3H1000	9.5 m	7.7 m	5.8 m	**4.9 m**

The underlined value represent the height for the nozzle supplied standard on the fireplaces..

1.2.4. DISTANCE OF THE CHIMNEY FLUE DUCT IN RELATION TO COMBUSTIBLE MATERIALS

The minimum security space should been respected in conformity to DTU 24.1 certification and national regulation.

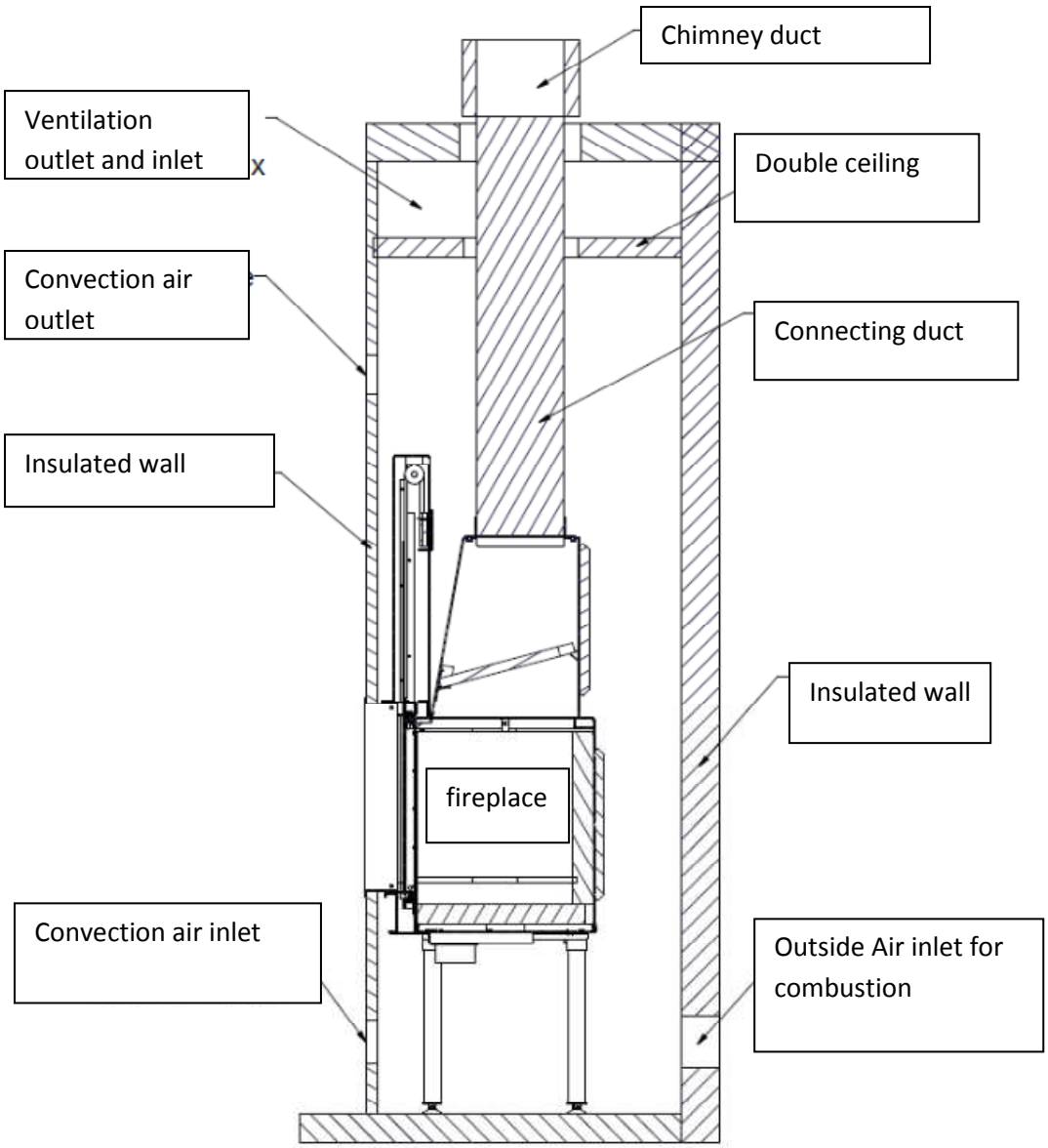
Even if the fire spacing requirements are followed, a supplementary insulation made with M10 class insulating material will provide improved safety.

In the living spaces, the ducts may be covered with a dressing providing a thermal insulation sufficient to limit the surface temperature to 50°C.
- Across attics and lofts: ducts must have suitable insulation in order not to exceed the surface temperature of 80°C.

If the ventilation inside the room where the appliance is installed is sufficient (new house or controlled mechanical ventilation system), an inlet of outside air must be added.

In any case, refer to the current regulation.

1.4. INSTALLATION & MINIMUM DIMENSIONS OF THE CHIMNEY

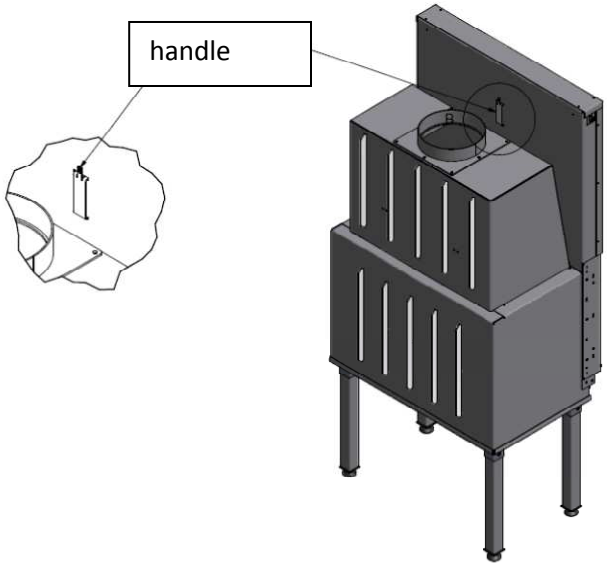


1.4.1. FIREPLACE INSTALLATION

It is important to follow our recommendations, as follows, in order to ensure the optimum safety for the user.

ATTENTION, PREPARE THE OUTSIDE AIR INLET BEFORE INSTALLING THE FIREPLACE.

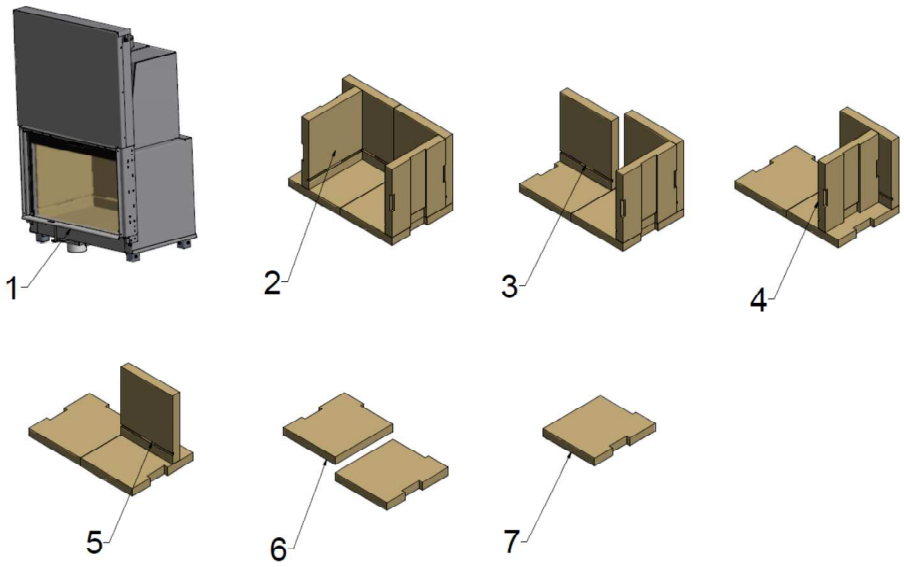
IMPORTANT! Before any use, unlock the handle in order to liberate the counter weights and the door.
IMPORTANT! Before any use, unlock the handle in order to liberate the counter weights for the door unlocking.



1.4.2. POSITIONNING THE APPLIANCE

1.4.2.1 Dismounting and mounting of the refractory (vermiculite)

**** In order to lighten the appliance and facilitate the handling, it's possible to remove the refactory from the fireplace.**



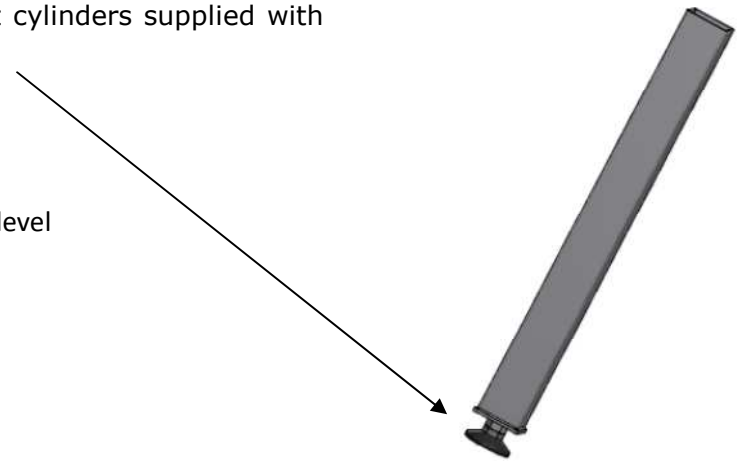
1. REMOVE THE MARGELLE IN UNSCREWING THE SCREW INSIDE THE FIREPLACE
2. REMOVE THE RETAINING BRACKET AND SLIDE THE SIDE STONE
3. SLIDE THE STOVE HEART
4. REMOVE THE RETAINING BRACKET AN SLIDE THE SIDE STONE
5. SLIDE THE STONE HEART
6. LIFT THE HEART STONE
7. REMOVE THE LAST STONE

Then remount in reverse sense.

1.4.2.2 Level control

To control the level of the appliance, use after placing the feet cylinders supplied with the appliance..

Verify the level of the appliance with a bubble level

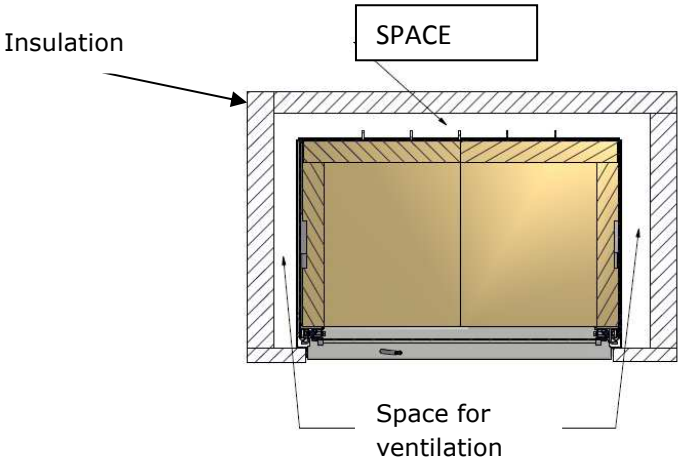


ATTENTION, THE AIR INLET HAS TO BE DONE BEFORE INSTALLING THE APPLIANCE.

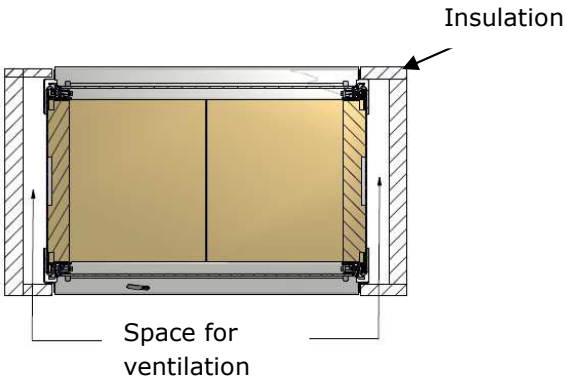
1.4.3.THERMAL INSULATION

The appliance must be sufficiently ventilated so it does not overheat its surrounding. Thus it is essential to respect the minimum dimensions of at least 10 mm behind the appliance or 30 mm all around the appliance..

ATTENTION, THESE DIMENSIONS DO NOT INCLUDE THE REQUIRED THERMAL INSULATION. TAKE ACCOUNT OF THE THICKNESS OF THE INSULANT.



STELLA 1 FACE



STELLA DOUBLE FACE

ATTENTION, FOR THE DOUBLE FACE MODEL, TAKE ONLY ACCOUNT OF THE SIDE PARTS

1.4.4. THE FLOOR

The appliance will be mounted on floors with a suitable bearing capacity and, if an existing construction does not allow such an installation, appropriate methods (for example a load distribution plate) must be implemented.

1.5. CHAMBER VENTILATION

It's compulsory that the chamber is ventilated using natural convection. The ventilation of the chamber will be carried out by one or more fresh air inlets under or at the back of the appliance and one or more hot air outlets in the upper part of the chamber.

NON COMPLIANCE WITH THE DIRECTIVES WILL LEAD THE APPLIANCE AND ITS SURROUNDING TO OVERHEAT, SOILING…

1.5.1 CONVECTION AIR INLET

It is compulsory to build an inlet of convective air at the base of the fireplace. This inlet must have a minimum nominal section of E cm² (real surface of air passage).

Even if the air entry comes through a wood niche, the real surface of convective air passage must imperatively be respected.

1.5.2 CONVECTION AIR OUTLET

One (or more) convective air outlet(s) of free minimum nominal section of S cm² must be built to evacuate the convective air. To be built as high as possible in relation to the suspended ceiling and at least 30 cm under the ceiling of the room.

	CONVECTION AIR INLET **E**	CONVECTION AIR OUTLET **S**
STELLA3-STELLA3DF	700 cm² MINI	800 cm² MINI
STELLA3H600	600 cm² MINI	700 cm² MINI
STELLA3V350	400 cm² MINI	500 cm² MINI

IN THE CASE THE SECTIONS OF CONVECTIVE AIR OUTLETS ARE SUPERIOR, THE CONVECTIVE AIR INLET MUST HAVE A MINIMUM SECTION OF 0,77 TIMES THE SECTION OF CONVECTIVE AIR OUTLET.

ANY INFERIOR SECTION OF CONVECTIVE AIR INLET WOULD CREATE A VACUUM PRESSURE IN THE HOOD AND COULD LEAD TO UME BACKDRAFTS.

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1.6. WALL INSULATION

The insulation used must have a fire reaction A1 or at least M0 / A2s1, d0. This insulation is not necessary in the case where the temperature of inside walls of the decoration or of the hood does not exceed 85 ° C (isolated insert and flue pipe and ventilated decoration).

1.6.1. WALL AND CEILING INSULATION

The insulating material must be placed such that it is outside the insertion limits of the fireplace indicated on the drawing from paragraph 1.4.3

1.6.2. LOG STORE INSULATION

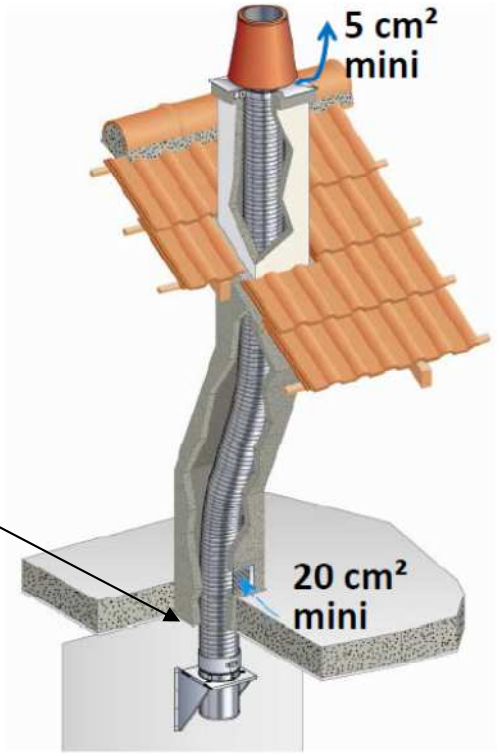
In the case where a log store is present under the fireplace, it is necessary to have the thermal hearth plate insulated by placing 3 cm of insulating material under the hearth plate of the fireplace and leave a 3 cm gap between the insulating and the fireplace.

1.7. FIREPLACE CONNECTION

In case the fireplace is directly connected to a flue pipe, the nozzle should have the same section as the flue pipe. If a reduction is installed, it should be placed before the penetration into the flue pipe.

PRINCIPLE OF A DIRECT CONNECTION

Duct penetration



2. USING GUIDE

2.1. WARNINGS

All national and local regulations as well as the European standards shall be complied when installing the appliance.

THE USER GUIDE IS INTENDED FOR THE USER. PLEASE READ IT CAREFULLY. FOLLOWING GUIDELINES WILL ENSURE THE GOOD OPERATION AND OPTIMUM SAFETY.

The outside surfaces of the appliance are hot while it operates for many hours after it stops, therefore beware no to touch them.

Any modification made to the appliance will cancel the responsibility of Fondis in case of accidents.

It is recommended that only original spare parts are used, provided by your reseller or Fondis directly.

IN CASE OF A CHIMNEY FIRE: shut completely the draft and call the fire brigade. Once the fire is extinguished, the installation must be checked by a specialist before any further use.

2.2. FIRST FIRES

For the first fires, it is important to progressively increase the temperature of the appliance by keeping the loading and air take low. A smell and slight smoke which will quickly subside will come out through the hot air outlets during those first fires. This is caused by the stabilization process of the paint (open the windows to vent the room for example). In case the smell and smoke persist, please contact your installer

2.3. FIREPLACE IGNITION

Never use flammable products (alcohol, etc...) to start the fire. Use preferably a fire starter. Add some dry wood parts on top, crossing the pieces. Open the primary air dampers.

 **GENERALLY DO NOT BRING ANY HEAT SENSITIVE OBJECT, PRODUCT OR MATERIAL CLOSE TO THE FIREPLACE.**

2.4. LOADINGS

When the kindling is burning, load the firebox with some small or medium section logs then close the door. When the firebox is up to temperature (approx. 30 mm), adjust the primary air dampers to obtain the requested burning rate.

The complete closing of the air inlets leads to very slow functioning, corresponding to the reduced rate. We advise against using permanently the firebox in reduced mode. This mode of operating can lead to significant condensation and bistre in the appliance, the connection and duct depending on the quality of the wood.

OUTSIDE THE STARTING AND RESUMING PERIODS, IT IS IMPERATIVE TO OPERATE NORMAL OR REDUCED REGIME. HIGH SUSTAINED REGIME WILL LEAD TO PREMATURE WEAR OF THE APPLIANCE AND CAN INCREASE THE RISK OF FIRE ACCIDENTS.

THE DOOR MUST BE OPENED USING THE COLD HAND PROVIDED WITH THE APPLIANCE. BY OPENING SLOWLY, YOU WILL AVOID FUME BACKDRAFTS CAUSED BY THE DRAUGHT, AS WELL AS POTENTIAL EMBER

2.5. RELOADING

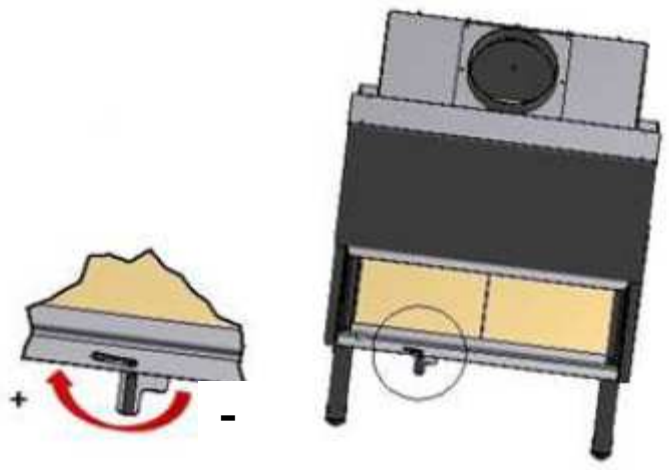
NEVER EXCESSIVELY LOAD THE FIREBOX WITH WOOD.

IN NORMAL RATE, THE RELEASED HEAT ALSO DEPENDS ON THE QUALITY AND QUANTITY OF USED WOOD.

Open the door slowly (in 2 steps). Slowly add the wood load on the bed of embers. Close the door. A load of dry fire wood must never be excessive.

2.6. DRAFT SETTING

The air damper located at the base of the appliance allows to set the draft rates of the firebox in rates comprised between reduced rate and normal rate.



-- NORMAL RATE: SET DAMPER ON THE LEFT

- REDUCED RATE: SET DAMPER TO THE RIGHT.

NEVER LEAVE THE DOOR OPENED TO OBTAIN A BIGGER RATE THAN THE ONE FOR WHICH THE APPLIANCE IS PERFORMED FOR. APART FOR STARTING PERIOD FIRE

Operate only with the firebox door closed during the night or in absence, even momentary.

2.7. WOOD SELECTION

The performance levels announced by the manufacturer are achieved in conditions defined by the current standard and using dry wood (beech, hornbeam,)

The wood you used must be dry, i.e. its humidity rate must be lower than 20 %. In order to obtain combustible wood, it is therefore essential to use it at the earliest 18 months after felling and cutting, including 6 months of storage under ventilated shelter.

Too fresh wood will lead to bad combustion which causes rapid clog of the chimney flue. Wet wood doesn't heat. The energy contained in the wood will be used to evaporate its excess of humidity, and hence lost for the user.

The calorific potential of wood doubles depending on whether, it is wet or dry. Outside this energy consideration, the use of non-conditioned wood as fuel (green or wet) causes many disturbances: fume back drafts, glass blackening, duct bistre deposit (risk of chimney fire).

THE USE OF TREATED WOOD, FIBERWOOD AND COAL ARE STRICTLY FORBIDDEN;

RESINOUS WOOD CAUSES VIOLENT FIRES AND SHOULD NOT BEE USED..

YOUR FIREBOX IS NOT AN INCINERATOR (SOME DOMESTIC WASTE AND OTHER PACKAGING CAN BE EXTREMELY POLLUTING AND EVEN HARMFUL TO YOUR HEALTH).

OUTSIDE THE UNSIGNIFICANT INTEREST THAT THESE MATERIALS ARE REPRESENTING, THEIR USE WOULD QUICKLY AND PERMANENTLY DAMAGE THE APPLIANCE.

USE ONLY NATURAL WOOD CONDITIONED FOR HEATING PURPOSES.

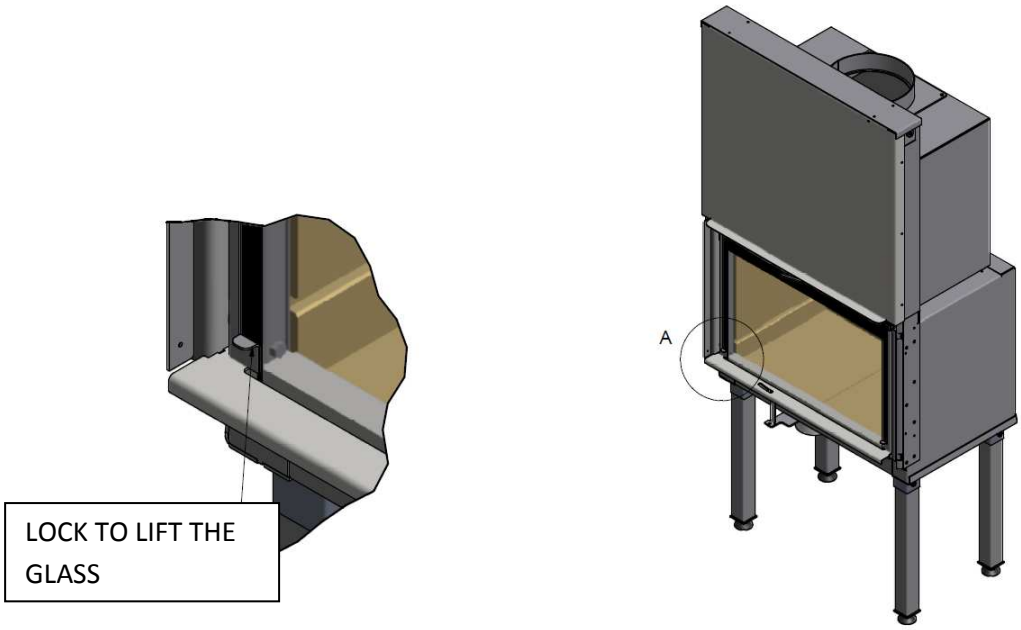
2.8. MAINTENANCE

2.8.1. GLASS

At ignition, it is recommended to leave the door slightly open for a few minutes. This will reduce condensation on the glass and consequently the amount of soot deposit.

Your firebox is equipped with glass that can be cleaned using products especially made to clean firebox glass, without limitation on frequency.

Door opening system



A lock to lift the glass is located on each side of the door in order to facilitate the retractation. During this operation, do not pull the door but help the opening & closing operations by pressing on the lift lock.

To lift the retractable door, rotate the lock located in the middle of the top of the door. The door lifts and disengages from the lower throat. When the door is released from the frame, help it on the descent to its equilibrium position.

DO NOT UNLOCK WHEN THE DOOR IS IN HORIZONTAL POSITION THAT MAY RESULT TO ITS INADVERTENT LIFTING.

To close the door, lift the door with the hand, engage it in the holes provided for this purpose and then close the lock.

2.8.2. REFRACTORY

To dismount the refractory lining refer to paragraph 1.4.2 page 17

In order to preserve the lining, we advise not to throw the wood logs into the heart of the firebox but to place them without hitting the refractory lining.

2.8.3. ASHES

It is recommended to regularly remove the ashes in order to avoid significant accumulation in the firebox and blocking of the air inlet that feeds the combustion. The nature and the quality of the wood influence the volume of produced ashes

2.8.4. PAINT

Paint touch ups can be made by the user with the FONDIS high temperature paint (minimum 500°C).

2.8.5. SEALING GASKETS

It is important time to time to check the tightness seals which are important safety elements. IF necessary, replace them. They can be ordered by FONDIS. These seals are located on the door frame and around the glass.

ATTENTION THE DETERIORATION OF THE TIGHTNESS SEALS CAN SIGNIFICANTLY REDUCE THE PERFORMANCE OF THE APPLIANCE.

	TYPE	REF FONDIS
GLASS SEAL	**Ø 4MM**	**40240.3**
DOOR SEAL	**Ø 12 MM**	**112**

2.8.6. VERMICULITE

The high density vermiculite special bricks are performing as thermal regulator storing and releasing slowly wood heat .Their strong radiation capacity improves the quality of combustion and generates a cleaner combustion. Some surface damage may appear because of the mechanical shocks due to wood refueling and the constant rising and declining temperature of combustion. These damages are normal and don't affect the safety, the quality of combustion and the heating capacity .The bricks are also protecting the smoke tight steel corpus .It is not necessary to change the bricks because of the surface damages and cracks.

Although the wearing of bricks is normal , they are covered by a two years Fondis warranty.

2.8.7. CHIMNEY SWEEPING

A minimum of two chimney sweeps every year is recommended (with at least one during the heating period), in order to ensure good vacuity and to reduce the risk of a chimney fire. On this occasion, it is recommended to check the tightness of the connection elements and to insure that the internal elements (deflectors, etc…) are effectively put back in place.

2.8.8. YEARLY SERVICE

Before any new heating season, the user must check the good condition of the wearing parts. You can order these spare parts by FONDIS stating the corresponding references given on the part lists.

The smoke flues and their connection have to be checked as well as the accessories (removable parts, assembly parts such as screws, nuts, seals, etc …)

At the beginning of the season, proceed to the cleaning of inside installation (hood, surround), air vents to avoid any risk of overheating as well as the emission of air saturated with carbonized particles (source of soiling on the walls and the ceiling).

The air inlet (under the appliance°) with its protection grid (outside) are also to be checked. In case the installation integrates a draft limiter located into the hood, it has also to be checked by a professional.

SAFETY AND COMMON SENSE IMPOSE THE RESPECT OF THE MANUFACTURER'S GUIDELINES AND MAINTENANCE SUITED TO THE USING.
ANY SIGN OF MULFUNCTION OR ABNORMALITY MUST BE REPORTED TO THE INSTALLER FOR AN IMMEDIATE INTERVENTION.
UNDER NO CIRCUMSTANCE USE THE INSTALLATION BEBORE AN INTERVENTION HAS BEEN CARRIED OUT TO REMOVE THE POSSIBLE DEFECTS.

3. WARRANTY

LEGAL WARRANTY

The contractual guarantee is, to the advantage of the buyer, not exclusive of the legal guarantee for hidden defects and faults which applies according to the conditions of articles 1641 and following of the French civil code.

CONTRACTUAL WARRANTY

During the period of the contractual guarantee, FONDIS shall replace all demonstrably defective parts after the return of the incriminated part to the distributor. The guarantee of the manufacturer gives the right to a free supply of the parts that are necessary to repair the appliance after agreement of the after-sales service. The replacement or repair of parts cannot result in a prolongation of the guarantee period. Transport costs are borne by the user.

5 YEARS CONTRACTUAL WARRANTY

The 5-year guarantee for the insert covers all defects of the sealing between the insert and the convection air due to cracks or tears. The Visioceram® glass pane treatment is also guaranteed for 5 years against all treatment defects, except for the breaking of the glass.

2 YEARS CONTRACTUAL WARRANTY

Parts subject to wear, such as valve, valve rod, smoke box, heat exchanger, firedogs, and hearth plates are covered by a 2-year contractual guarantee.

WARRANTY EXCLUSION CASES

Our heating appliances are guaranteed against any manufacture or material fault, within the limits stated below:

• Modification(s) of the appliance. In case of appliances heating with wood: removal of all or part of the seals, modification of the air inlets,…

• Abnormal use of the appliance, such as an operation not compliant with the conditions given in the instructions. For appliances heating with wood: burning of waste, coal or treated wood.

• Damages due to negligence, improper maintenance, wrong or inappropriate use of the appliance.

• The following items are excluded from the guarantee: broken glass pane(s), seals, painting, surface treatment of the decorative parts.

• Installation not compliant with our recommendations.

CONDITIONS OF APPLICABILITY

The contractual guarantee applies to all appliances that were installed and operated in accordance with the "Installation and operation instructions" and to the regulation in force. It is dependent on the presentation of the purchase invoice or a copy thereof.

4. ANNEXES

4.1. Operating diagnostic:

DIAGNOSTIC	REMEDIES
DIFFICULT IGNITION	CHECK THE DRAFT CHECK THE QUALITY OF THE WOOD CHECK THE AIR INLETS
SMOKE EMISSION WHEN OPENING THE DOOR	OPEN A DOOR OR A WINDOW TO CHECK WHETHER THE EXTERNAL AIR SUPPLI IS SUFFICIENT CHECK THE DRAFT OF THE FLUE PIPE (IT MUST BE TIGHT AND NOT CLOGGED). WITHDRAW THE DEFLECTOR IN CASE OF VERY LOW DRAUGHT
LACK OF HEATING	INCREASE THE LOAD OF THE INSERT USE DRIER WOOD INCREASE THE OPENING OF THE COMBUSTION AIR INLETS CHECK THE CONDITION OF THE TIGHTNESS SEALS FROM THE DOOR MAKE SURE THAT THE HOT AIR CIRCULATION IS NOT PERTURBED
IMPORTANT BISTRE DEPOSIT IN THE DUCT	USE DRIER WOOD INCREASE THE OPENING OF THE COMBUSTION AIR INLET TO AVOID A TOO LOW RATE CHECK THE INSULATION OF THE FLUE PIPE IN THE COLD AREAS (ATTICS, CHIMNEY OUTLET)
GLASS BLACKENS VERY QUICKLY	INCREASE THE OPENING OF THE COMBUSTION AIR INLET OR ADD WOOD TO AVOID A TOO LOW RATE USE DRIER WOOD

→ **In case of doubt, please contact your installer**.

4.2.FROM TREE TO FIRE

Now that you have a beautiful fireplace and for your full satisfaction, remember the following:

Freshly cut wood contains water (up to half of its weight).

Fire wood worthy of such a name must have been sawn, cut (maximum 10 to 15 cm sections) dried and stored under ventilated shelter, OUTSIDE for at least TWO YEARS.

(Attention! Big logs dry more slowly and some kind of wood (oak) can require up to 4/5 years drying !)

When you light the fire, temperature rises, the water contained in the wood starts to boil. A fire sufficiently sustained from the start allows to evacuate the produced water vapor .

Past this first phase, dry wood burns well and transforms its energy into heat. The fumes produced also burn thanks to a sufficient feed of combustive air (significantly limiting polluting emissions).

With wet wood (more over 20 % humidity) the heating sensation is mediocre since the energy released during combustion is used to dry the wood in the firebox..

Moreover, the fumes clog the appliance (especially the glass) and leave into the duct, leading to the formation of brown blackish, possible cause of chimney fire.

The fire starts better if the air from the duct is warmed up.

Crumple (not too much) some paper (not from ads or magazines which contain polluting inks), lay dry twigs, kindling some raised small logs without crushing the arrangement. Favor wood from hard broadleaf trees (beech, hornbeam… which dry faster).

They produce a good heat slowly (soft wood should be avoided. They quickly clog the ducts, burn too strongly).

AND REMEMBER THAT the best wood does not burn if it is not dry.

It requires air for good combustion.

The burning gases release the energy they contain (up to 30 % in wood without forming tar or polluting emissions).

It is essential to create a good ember bed and to reload (respect the various phases of combustion), for an improved autonomy.

When there is no more clear flames, the gases have burned, wood charcoal remains (incandescence). It burns nearly without any flames while producing excellent heat.

Finally ember remains and will continue to produce heat by radiation (always keep an «insulating» ember bed in your firebox).

Wood is a renewable low source of energy, synonym of satisfaction and comfortable living, very contemporary energy.

If you have any further questions, please do not hesitate to contact your installer or to contact us:

FONDIS Customer service : + 33 (3).89.37.75.00