

VENUS - VENUS IN THE MBOX VENUS HT

INSTALLATION INSTRUCTIONS AND INSTRUCTIONS FOR USE



PASSION FOR FIRE

This product is not suitable for use as a primary heater

SUMMARY VENUS

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1. GENERAL (Venus - Venus in the MBox)

Transport the VENUS , Venus in the MBox upright or in difficult cases at an angle of 45°.

Before starting the installation, check the proper functioning of the door



Opening the window: pull the lever towards you, the window will open with the movement. If the appliance is already hot, use the poker provided. There is a hole in the handle for using the poker

Open the door slowly while the fireplace is operating. Opening the door too quickly can cause smoke to be blown back into the room. Closing the door: lift the handle, push the door towards the combustion chamber and then push the handle downwards until it finally locks.

1.1 Fuels

Wood

The quality of the wood is extremely important for optimum operation of the stove (efficiency, clean glass, etc.) Good quality wood is wood that has dried under an aired shelter for at least 2 years (+/- 18% moisture content). Moist wood gives off less heat and pollutes the fireplace and chimney.

You can also use briquettes (similar to how wood works), and this is best combined with wood, only burning briquettes can cause too high temperatures.

Never fill the fire with wood, because if the chimney pulls too much then excessive temperatures can occur. Damage caused by excessive temperatures is not covered by the guarantee.

Forbidden fuels

The use of treated wood (painted, etc.) and all kinds of household waste, which may emit noxious gases, IS FORBIDDEN and VOIDS ANY RIGHT TO GUARANTEE. Pallet wood and other waste wood have an enormous capacity for combustion. This wood can overheat and cause a fire hazard. We are not responsible for misuse of our fireplaces or failure to follow these instructions (SEE WARRANTY). Petroleum coke cannot be used as a fuel. The use of liquid fuels (petrol, etc.) is also prohibited (even for lighting the fire). There is also no point in overloading the fireplace with wood. If the chimney pulls too hard, there is a risk that much too high temperatures will be reached. Damage to the fireplace caused by excessive temperatures is not covered by the warranty.

1.2 Lighting the fire

Open the window with a cold hand

We want as high a temperature as possible in order to achieve complete combustion without smoke.

This is only possible if the fire receives sufficient oxygen, which means that the chimney and the air supply to the hearth must be completely open. When the fire has stabilized or is too hot, the air supply to the fireplace can be reduced slightly, but the flames should not be reduced. Do not radically cut off the air supply, as you will suffocate the fire and combustion will not be optimal.

Do not use paper but use natural firelighters, which burn longer and cleaner and develop much more heat.

Use plenty of kindling, as the finer the wood, the better it burns. Kindling quickly generates high temperatures and immediately promotes good draft in the fireplace.

We have all learned to place our fire starters and kindling at the bottom of the fire, then the large logs on top. But when we light the fire this way from below, the large blocks start to smoke for a while before they actually catch fire. This causes significant pollution. The trick is to do it the other way: cross the large blocks at the bottom so that the air can reach them. Place the kindling on top and the fire starter on top. This way of making a fire, also called the Swiss method or reverse cooking, guarantees optimal combustion.

The wood burns from top to bottom; all smoke produced must pass through the flame. It takes a little longer for all the wood to burn, but this method offers the best guarantee of clean glass and minimal fine dust.

Note: Only light a fire when there is a light wind of 5 km per hour or more. Do not make a fire when there is no wind or when there is fog. It goes without saying that you should also not light a fire when the heating notice is in effect. Likewise, poorly constructed or unmaintained chimneys prevent the fire from obtaining oxygen or, worse, blowing smoke back into the house.

Start the fire and leave the door ajar to get a turbo airflow that fuels the fire.

Once the fire is well established, the door can be closed. Make sure that the wood is well distributed across the entire width of the fireplace. It is also important to split large logs finely enough so that the contact surface with the wood is as large as possible.

After burning the first blocks, place a new block on top of the old glowing blocks. It's best to build fire carefully, so when the previous blocks are glowing, place one or two thick blocks of regular blocks on top. No more. This way all the blocks ignite quickly and there is little smoke.

Your window will tell you if you're doing well, because as soon as it starts to darken, you need to give more air. In particular, when

When lighting, you must give as much air as possible to your fire, because the draft of your chimney is still weak. When the fire is burning well, it is advisable to slightly reduce the air supply, so as not to cool the fire too much and to prevent too much heat from escaping through the chimney.

chimney. However, smothering the fire is completely out of the question, as it then cannot burn properly and produces the highest particle emissions.

create the highest particulate emissions. Furthermore, smothering the fire also means a high risk of chimney fire.

After one use, it is not necessary to completely clean the fireplace. It is best to leave a layer of ashes of about three centimeters on which you will burn wood next time. The combustion temperature is therefore higher, it is better for the fireplace and the remaining wood residue will burn next time. It's also less work!

Another tip: the whiter the ashes, the better the combustion.

RECOMMENDATION

Never completely clean the inside of the appliance: always leave an ash bed in the appliance. This gives better combustion of the wood.

- Never open the door too quickly. Proceed in 2 steps:

1. Open the door ajar.

2. Wait a few seconds and then slowly open the door all the way.

CAUTION : When inserting the wood, do not take support on the window !!!

Caution:

It is not necessary to overload the fireplace with wood. 1 kg dry wood gives a 4 kW power.

Example: a fireplace with an 80% return gives a power for about $4\text{kw} \times 80\% = +/- 3.2\text{ kW}$ for 1 kg dry wood.

If you want a power of 6-7 kW, it is just enough to put 2 kg wood in the fireplace per hour. This is like one-two normal pieces of wood.

Be careful not to use pallet wood (this gives an enormous heat) for continuous heating. This can lead to fire hazard.

We are not responsible for the bad use of the fireplaces and any consequence for not following this guideline.

The outer surfaces of the device are hot during operation, what should be paid proper attention to avoid burn injury.



For optimum combustion, place the 2 logs in the fire according to photo

| type of wood | calorific value | quality | comments |
|---|-----------------|----------------------|--|
| Hard wood: hornbeam, beech, oak, ash | high | very long combustion | Best wood for combustion |
| medium-hard wood: cherry, fruit trees walnut | moyenne | slow combustion | When dried, walnut loses its substantial density; do not use in a fireplace; risk of sparks |
| soft wood: birch, alder, poplar | low | fast combustion | Any piece of soft or medium wood will will make it easier to light the fire. |
| soft wood : resinous tree | low | fast combustion | has a reputation for soiling chimney flues tarnish |

2. Installation

2.1 Installation operations

Your supplier is the specialist chosen by M-design to represent it in your region. For your safety and satisfaction, we recommend that you let him carry out the installation.

The appliance must be installed in accordance with the rules laid down and any local regulations. In the absence of appropriate regulations in Belgium, the French installation rules (D.T.U. 24.2.2) apply. If you nevertheless intend to carry out the work individually, we recommend that you

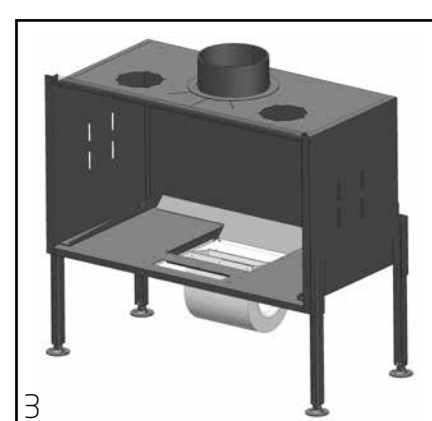
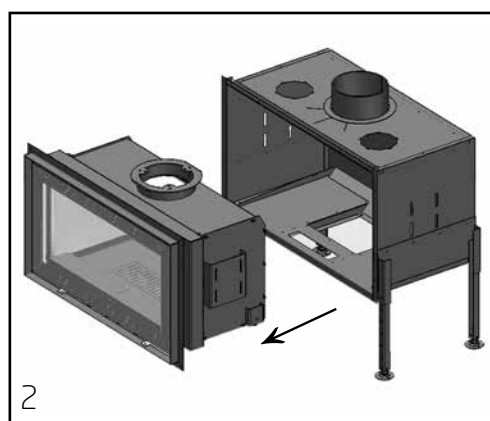
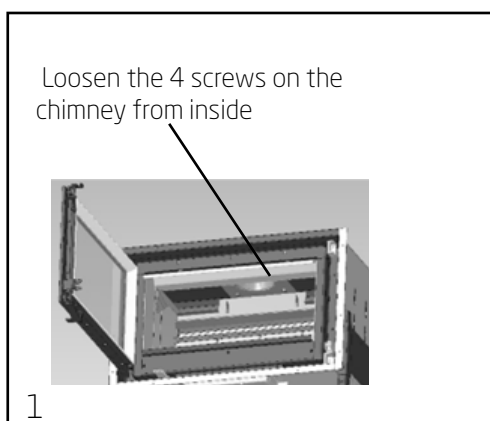
- refer to the terms and conditions of our guarantee contracts
- ask your supplier for advice.

VENUS has been designed so that it is easy to install. The combustion chamber can be completely slid out of the encasement. This makes it easy for one single person to easily install the appliance and a second person is only necessary to help a few minutes to slide the combustion chamber back in. In this way, one can later still have access to the chimney in the case of certain problems, without having to remove the stove completely.

Installation:

- Open the door
- Remove the deflector.
- Loosen the 4 screws on the chimney from inside (pic.1)
- Slide the combustion chamber out of the encasement (pic.2)
- Assemble the encasement and make the necessary connections
- Place the fan (optional) (pic.3)
- When everything is connected you can put the combustion chamber in place.

ATTENTION: To install the fan, you are not required to remove the combustion chamber.



2.2 Positioning the fireplace on the floor

Foundation under the fireplace insert must be of non-combustible material, flat and must withstand thermal stress. Also, the walls and ceiling material, with which the finishing fireplace insert, cannot be flammable or must be used with suitable insulation.

The floor in front of fireplace insert must be from non-combustible material at least 100 cm in front of the front wall of the fireplace insert. The device must be installed so that the front of it remained free space on a minimum ground plan of about 1 x 1 m.

If you use fireplace Venus with feet, place the appliance on a stable surface using the adjustable feet. Adjust the height of the appliance turning the bolt.

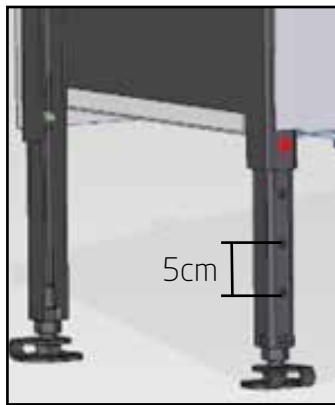
THE STOVE VENUS MAY NOT BE PLACED DIRECTLY ON THE FLOOR IN ORDER TO ALLOW NATURAL CONVECTION. THE APPERTURES FOR THE AIR SUPPLY (IN) IS SITUATED UNDERNEATH THE APPLIANCES

Regulating the height of the appliance:

This can be made in two ways.

A regulation by 5 cm (Pic.1) and a fine regulation by screw (Pic.2).

Thanks to this fine arrangement, you can perfectly control the device pass.



1

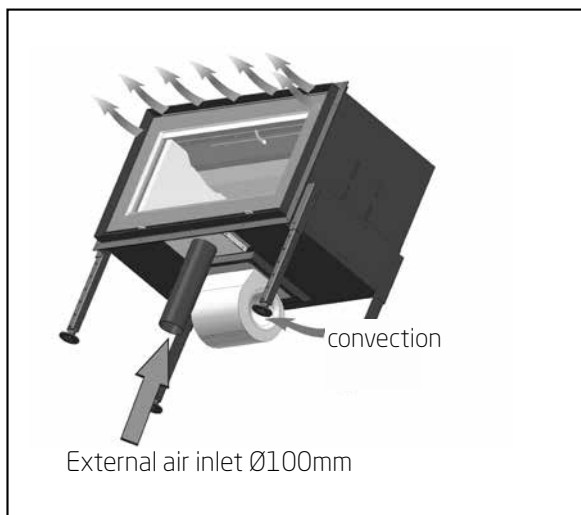


2

2.3 Air Supply for combustion

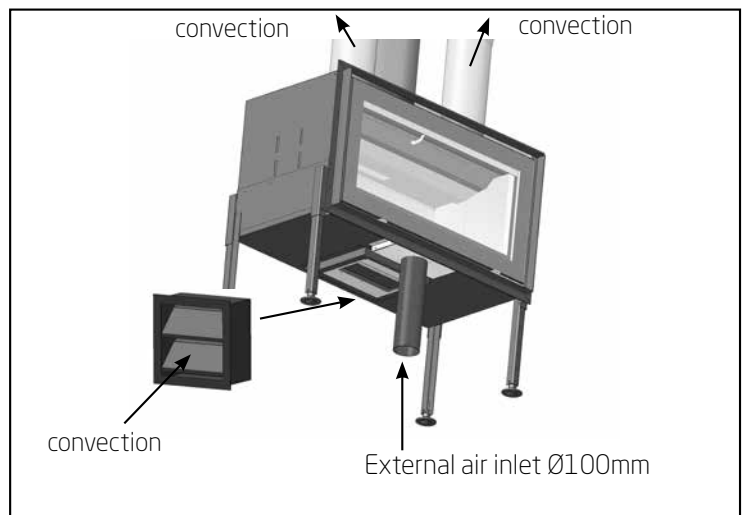
Any combustion consumes air. In the case of a thermally sealed room, an additional air supply is necessary and you should use the external air supply (pic. 3 and 4). If you cannot connect directly to the outside then there must be enough fresh air in the living room to take this air out of the living room for combustion. However, a flexible must then be connected to the external air supply. Connect this flexible somewhere to a grate in the chimney breast (see 2.4).

In any case, avoid creating an underpressure in the room. If the presence of an extractor hood in an adjacent room is absolutely necessary, a sufficient air supply will be provided to avoid any underpressure.



3

Aansluiting met ventilator / Avec ventilateur

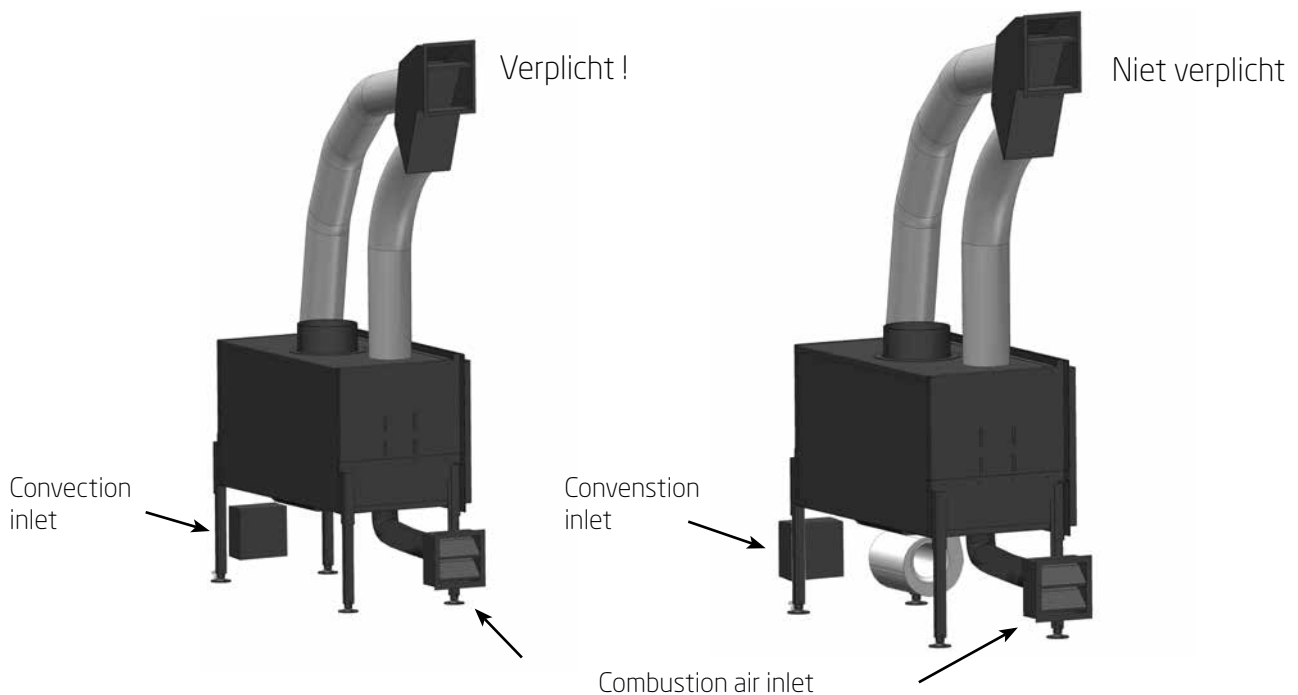


4

Aansluiting zonder ventilator / Sans ventilateur

2.4 Installation without external air supply

If no possibility to have external air inlet from outside or from a shelter, as well you can install the appliance. In this way you will provide the Venus of oxygen coming in from the livingroom. Please keep this livingroom ventilated to avoid under-pressure. This installation is not recommended for passive houses. (As same for installation with fan in this way)



Without fan : appliance can be installed standing upright, but an intake grille must be fitted in the chimney breast to supply the appliance with air for combustion and connected with a flexible. It is also compulsory to connect flexible pipes for convection.

Opening for the external air supply is located according ordered VENUS type, Opening can be at the bottom front part or VENUS BOX with wall console has opening at bottom back side. Please ensure where external air supply is located according your order.

Ensure that the external air intake grille cannot become clogged.



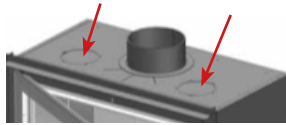
Min. ←→ Max.
Control of air supply for combustion

2.5 Convection current

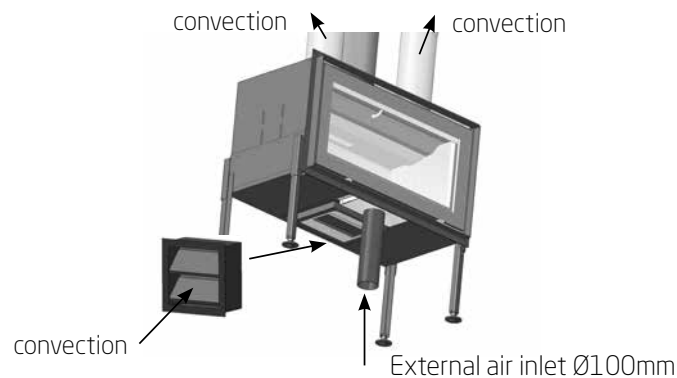
The VENUS is one of the few appliances that can burn both with and without fan.

2.5.1 Natural convection

It is compulsory to open at least 2 hot air vents at the top of the appliance.



The VENUS has been constructed in such a way that if it is connected without a fan, but with hot air vents, the air at the front, under and on the sides of the appliance is drawn in. The natural capacity to draw air in is so great that the temperature above the stove does not exceed 60°C. As a result of our special construction, the hot air comes out of the ventilation grills at such a speed that one could swear that a fan is being used.



The enclosure of the appliance must be provided with ventilation grills or openings allowing for the elimination of heat by convection. It is possible to have a convection kit fitted with the appliance. This system directs the heat inside the room by means of flexible tubes (dia. 150 mm).

Thermally insulated ducts are essential for the optimal functioning of the appliance (these cause 'draught' in the convection air current). By using the maximum number of ducts (at least 2), the output is improved and the noise (that is caused by the displacement) is reduced. For the purposes of the installation of these ducts it is best to go vertically upwards first for at least 1m and then to change direction, making a rather wide bend and avoid using a flue terminal grid with a small clearance because the speed loss that this causes reduces the efficiency of the hot air vents. Place all the fittings that you use at the same lengths and angles if possible, otherwise some grids could give off more heat than others and, seeing that a hot air pipe functions in a manner similar to a chimney, the one that is hot first has the most draught and therefore becomes hot even more quickly.

Attention: Hot air is coming from ventilation grills in upper part, make sure sufficient distance from inflammable materials such as wood, curtains...

Note: A circulation of hot air requires that no under-pressure be created in the room. A grid that is near the floor sees to it that cold air can be drawn in. Don't connect those with a flexible. Air will find the way to get at the right place.

M-Design has developed its ideal hot air grids which have many advantages (Pic. next page) and for the elimination of hot air and the entry of warm air we advise you to use these Design grills made by M-Design. To simplify the mounting of the grids you can use the corner profile which is furnished with the grid. This profile can be mounted on the side of the grid (two little wholes and screws are provided).

ATTENTION: A house is never completely 100 % dust free, heating appliances and warmth circulation creates dust particles. During the periods where you are not using the fireplace, dust is accumulated in the flexible pipe and the grills. This could cause a problem with a smell, so we would certainly advise you to clear the flexible and air inlets and outlets using a vacuum cleaner regularly. The smell caused by these dust particles will disappear after you have used the fireplace again a few times. This phenomenon is very common and can be compared to the gray traces appearing above your radiators. Optionally you can order design metal lids to cover the inlets and outlets during the summertime.


2.5.2 Convection with a fan (optional)

If you opt for a fan, the convection air will be drawn in from below and on the sides of the appliance and then blown out through the convection casing. The fan may be mounted either inside or outside the hearth so that one has the option of assembling or disassembling it in the future.

In this situation it is not obligatory to connect air ducts.

CAUTION : VENUS 850 D see-through : No fan possible

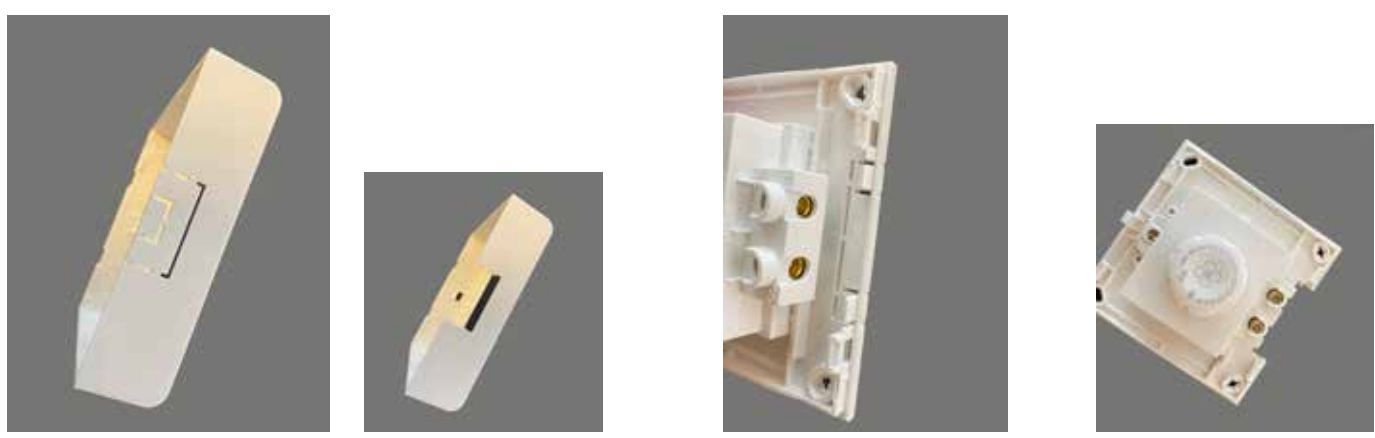
2.5.3 Connecting the M-Design drive (also for the Venus in the Mbox)



Use a flathead screwdriver to open the housing

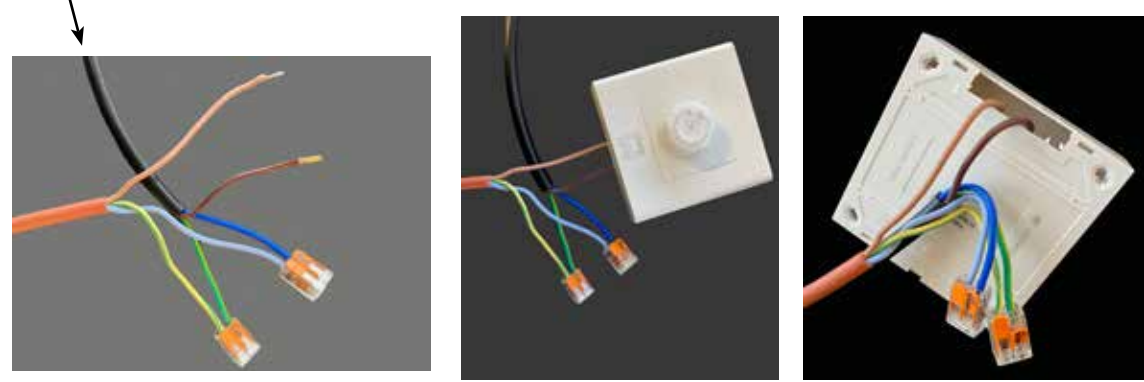
You will find 2 lever clamps WAGO

surface-mounted drive




You can choose to cut out the passage for the cables (above or behind the case)

wiring connection



220V Cable

to Fan



Turn the knob clockwise to start the fan. It will immediately switch to the MAXIMUM setting. Continue to turn the knob clockwise to switch to the MINIMAL setting.

2.5.4 Installation without fan

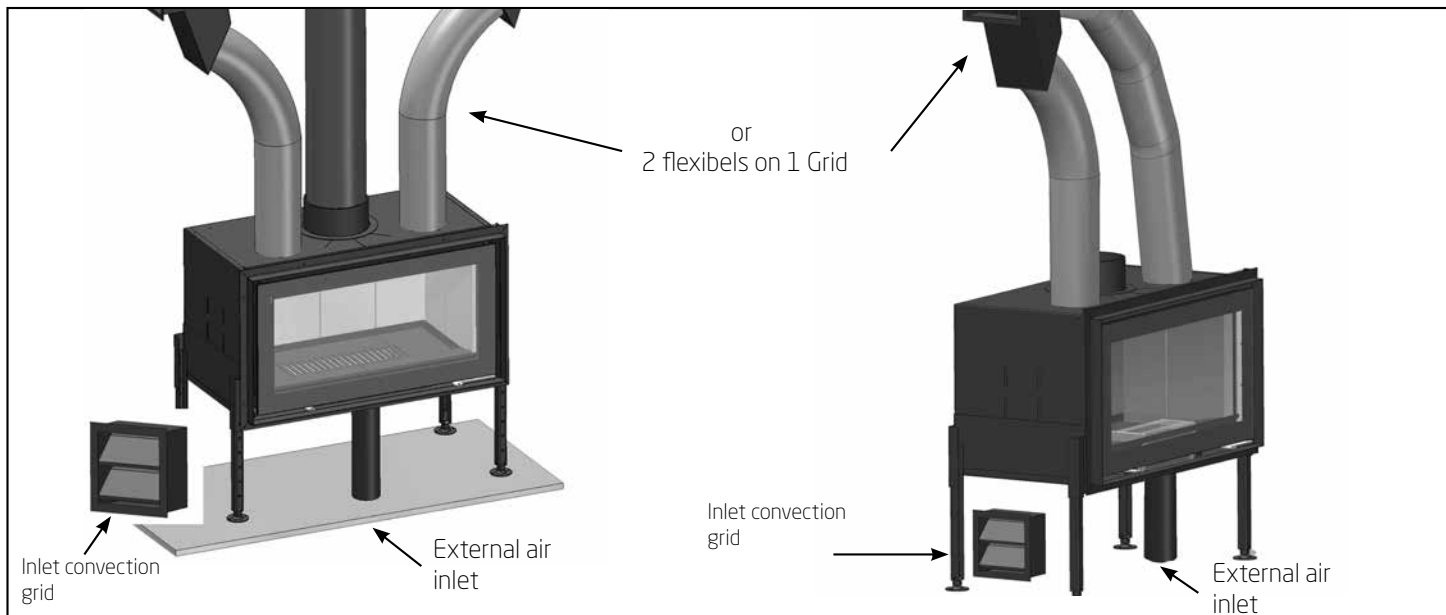
Installation without fan: Convection ducting must be installed.

When the VENUS is installed there is possibility to choose distribution of hot air with ducts.

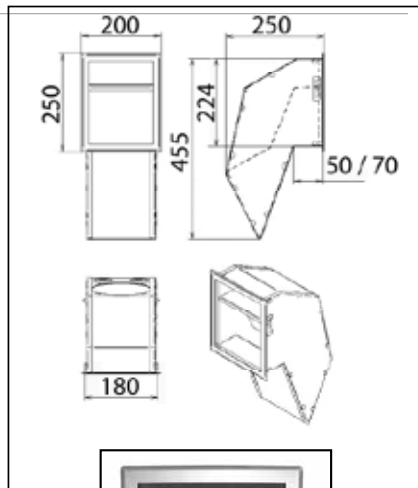
Without a fan, the flexibles for convection air MUST be ON.

You can use 2 grilles or, in case of lack of space, 1 grille (see illustration below).

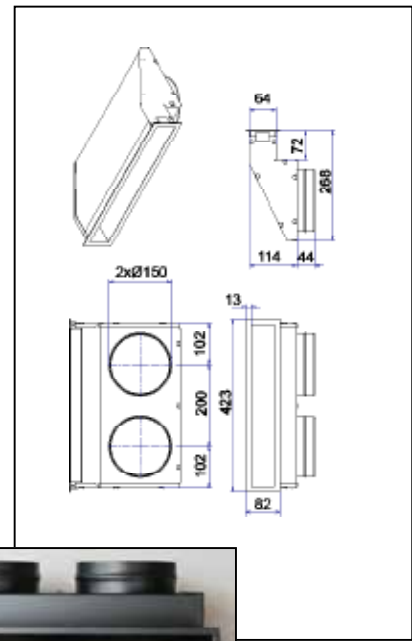
If you opt for a fan, the connection of the hot air flexibles is not necessary. But combined use always gives a better result.



2.6 Grids

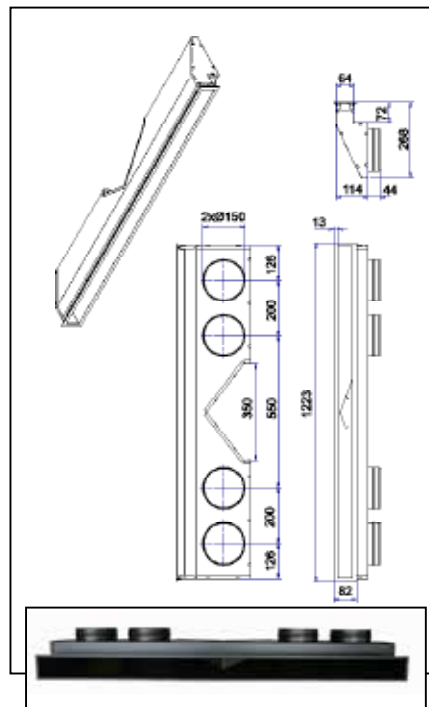


Designgrid (outlet)

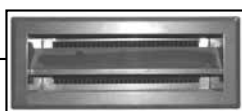
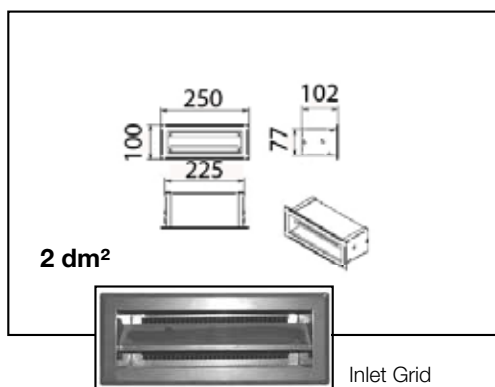


Designrooster (outlet) with 2 connections

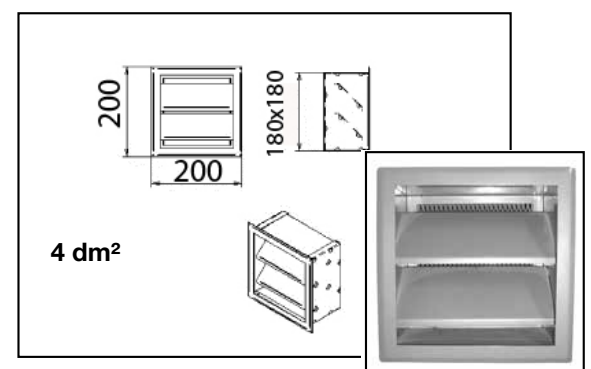
of/ou



Designrooster (outlet) with 4 connections



Inlet Grid



Inlet Grid

3. Chimney

The construction of chimney must comply with strict conditions:

- The flue must be thermally insulated. The opening into the flue and its position are very important.
- One individual flue does not have more than two changes of direction. The angle of the corner of these changes of direction may not be greater than 45° with the perpendicular.
- The existing obstacles in the vicinity of the opening into the flue must be taken into account.
- Do not connect more than one stove to a chimney.

Standaarddiameter flue opening Venus V23

| | Ø |
|----------------------|-------|
| Venus 530 | Ø150 |
| Venus 530 CL/CR -DC | Ø180 |
| Venus 630 | Ø150 |
| Venus 630 CL/CR - DC | Ø180 |
| Venus 730 | Ø180 |
| Venus 700 | Ø150 |
| Venus 850 | Ø180 |
| Venus 850 CL/CR - DC | Ø180 |
| Venus 1000 | Ø180 |
| Venus 850D | Ø 180 |

The VENUS stoves have a standard flue opening of 150mm or 180 mm. in diameter according drawings in chapter 8. Certain chimney configurations may require different standard diameters. In that case, look at table for the height of the flue and the possibility of reducing the diameter with the help of a reduction piece. Chimney connection is situated on the top of device.

When using a fan, it MUST be ensured that there is insulation between the chimney pot and the exhaust pipe, or a cover plate. is provided, or a cover plate. If this is not done, the fan will, either draw in smoke or draw odour from the chimney.

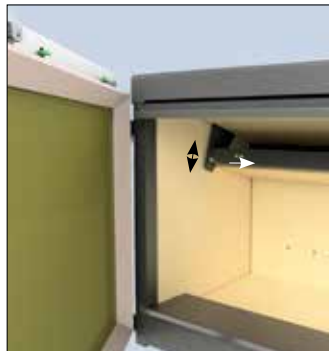
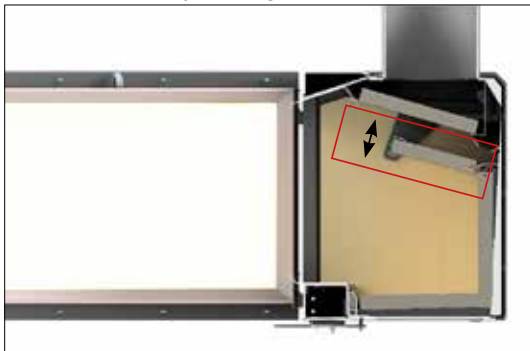
MINIMUM HEIGHT OF THE CHIMNEY IN TERMS OF ITS REDUCTION

| | Ø 200 | Ø 180 | Ø 150 |
|----------------------|----------|----------|----------|
| Venus 530 | | ≥ 3m (O) | ≥ 4m (S) |
| Venus 530 CL/CR -DC | | ≥ 4m (S) | ≥ 5m (O) |
| Venus 630 | | ≥ 4m (O) | ≥ 6m (S) |
| Venus 630 CL/CR - DC | ≥ 4m (O) | ≥ 5m (S) | |
| Venus 730 | ≥ 4m (O) | ≥ 5m (S) | |
| Venus 700 | | ≥ 4m (O) | ≥ 5m (S) |
| Venus 850 | ≥ 4m (O) | ≥ 5m (S) | |
| Venus 850 CL/CR - DC | ≥ 5m (O) | ≥ 6m (S) | |
| Venus 1000 | ≥ 5m (O) | ≥ 6m (S) | |
| Venus 850D | ≥ 4m (O) | ≥ 6m (S) | |

S = standard O = option

Note: per 45° change of direction, one must keep to within 1m of this table.

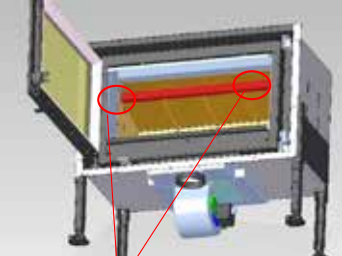
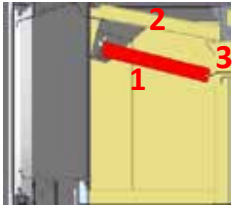
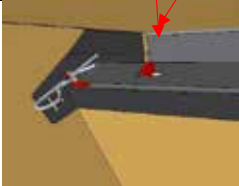
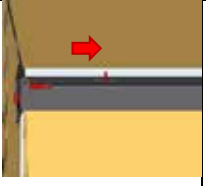
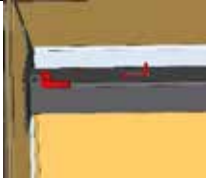
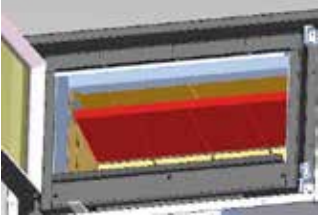

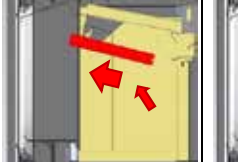

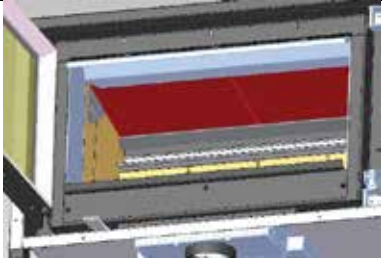
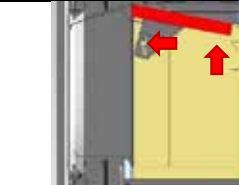

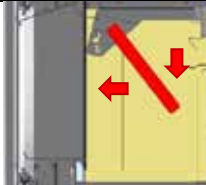
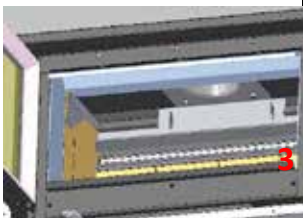


3.1 Flue damper adjustment



Depending on the chimney draught, you can adjust the flame plate (damper) for optimum combustion.

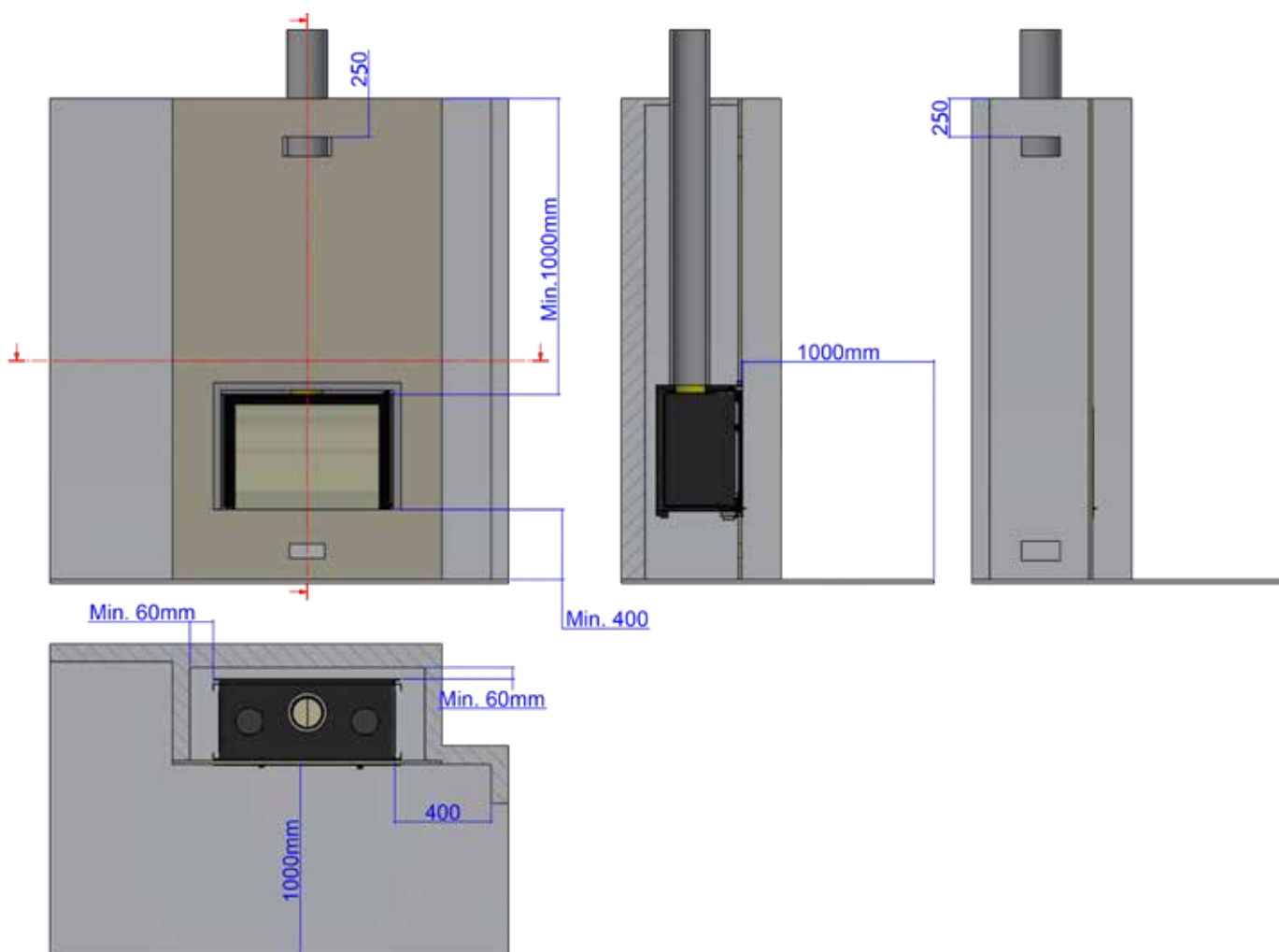
The flame plate can be adjusted to 3 positions. If the chimney draught is too great, the exhaust gases can be slowed down by moving the flame plate upwards or vice versa; if the chimney draught is insufficient, the flame plate can be moved downwards. With a click system, slide the guides (in green) on both sides and move the flame plate up or down.

3.2. Removing the flue damper

| | | |
|---|--|---|
|  | | <p>3 parts of deflector in the cut view</p>  |
|  |  |  |
| <p>1A Pull out the cotter pin</p> | <p>2A - Pull the fuse towards the center on both sides</p> | <p>2B - The first part of the deflector has been removed</p> |
|  | | |
|  |  |  |
| <p>3 A - Lift the first deflector a few centimetres diagonally upwards/ahead</p> | <p>3B - Now you can take out the parts of the first deflector</p> | <p>4A - Pull the back side of the second deflector towards</p> |
|  | | |
|  |  |  |
| <p>4B At the same time lift the rear part of the deflector and move it all to the front side of the deflector</p> | <p>4C First, we take out the back side of the deflector moving downwards</p> | <p>4D Now you can take out the parts of the second deflector</p> |
|  |  |  |
| <p>5A The third part of the deflector is placed on the bar</p> | <p>5B The 3rd part of the deflector in the cut view</p> | <p>5C Lift the third part of the deflector and take it out if needed</p> |

INSTALLATION of deflectors has the opposite sequence to removing deflector. Start with point 5 and continue with points 4, 3, 2, 1

4. Minimum distances to be respected during installation



| Minimum distance | mm |
|---|------|
| Distance to flammable materials (glass side) | 1000 |
| Distance from door to ceiling | 1100 |
| Distance to flammable materials at side of door | 400 |
| Distance from convection grate to flammable ceiling | 250 |
| Distance to flammable materials in cabinet | 60 |
| Distance from door to flammable floor | 400 |

5. Technical Data - Specifications

| TYP-VENUS V23 | 530 530 BOX | 630 630BOX | 730 730 BOX | 700 700 BOX | 850 850 BOX | 1000 1000 BOX |
|--|------------------------------|---------------|----------------|----------------|----------------|------------------|
| Nominal heat output (kW)) | 10 | 9,7 | 10,4 | 9,7 | 13,5 | 13,5 |
| The average efficiency (%) | 80,35 | 77,3 | 83,3 | 77,3 | 79,2 | 79,2 |
| Heat flow to the space (kW) | 10 | 9,7 | 10,4 | 9,7 | 13,5 | 13,5 |
| Output range (kW) | 3,5 - 10 | 2,7 - 11 | 3 - 11 | 2,7 - 11 | 6 - 16 | 7 - 16 |
| Flue gas temperature by nominal output (°C) | 207 | 218 | 168 | 218 | 220 | 220 |
| Average concentration of CO counted on 13% O2 (%) | 0,09 | 0,10 | 0,10 | 0,09 | 0,09 | 0,12 |
| Minimum chimney draft (Pa) | 11 | 9 | 11 | 9 | 11 | 11 |
| Weight from (kg) | | | | | | |
| Minimum distance from flammable materials from the side and from the back (mm) | 60 | 60 | 60 | 60 | 60 | 60 |
| Minimum distance from flammable materials from the glass side (mm) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Fuel supply interval (hour) | 1 | 1 | 1 | 1 | 1 | 1 |
| Recommended fuel - dry wood 12-18% - | hornbeam ,beech, oak, spruce | | | | | |
| Consumption of wood at nominal output (kg/h) | 2,42 | 2,04 | 2,12 | 2,04 | 3,19 | 3,19 |

6. General recommendations

- Do not place flammable materials in the immediate vicinity of the fireplace.
- Insulating materials: preferably use heat-resistant materials
- It is highly advisable to place or connect the chimney in such a way that no moisture or water can enter the fireplace. Moisture and water are the biggest enemies of the Chamotflex in the appliance, which can cause them to burst after lighting the fire.

6.1 Maintenance

- In addition to regularly keeping the window clean, you must have your chimney swept at least once a year for the VENUS to function properly. (Not only is this legal, but it is also for your safety.)
- A refractory brick (Chamotte) can still work perfectly if it is cracked. But if parts of a brick are missing, that brick must be replaced to effectively protect the combustion chamber
- Remove the surplus ash in time with the ash clearer.

Please note: Never remove all the ashes, because a fire burns even better on its own ashes. Also empty the ash pan in time (ash pan full prevents air supply for combustion)



ash sweeper

Clean the window as follows:

- Open the door
- When cleaning the window, we recommend that you use the product "Bio-Clean" from M-design, available from your dealer. distributor, this is one of the few products that does not damage the paint.

• **NOTE: When cleaning the window, do not rest on the window.**

7. Warranty

7.1 Duration and Limitation

- 8 year warranty on the general structure.
- 2 year warranty on the interchangeable parts and also on the smoke damper
- 1 year warranty on fans and speed variator.
- No warranty on glass, seals and Chamotflex plates

7.2 Disclaimer

The validity of the warranty becomes void if the instructions and guidelines of this manual are not followed. The intervention during the warranty period will only be assured through the intermediary of the distributor upon presentation of the purchase invoice. The parts will only be supplied to replace the defective parts.

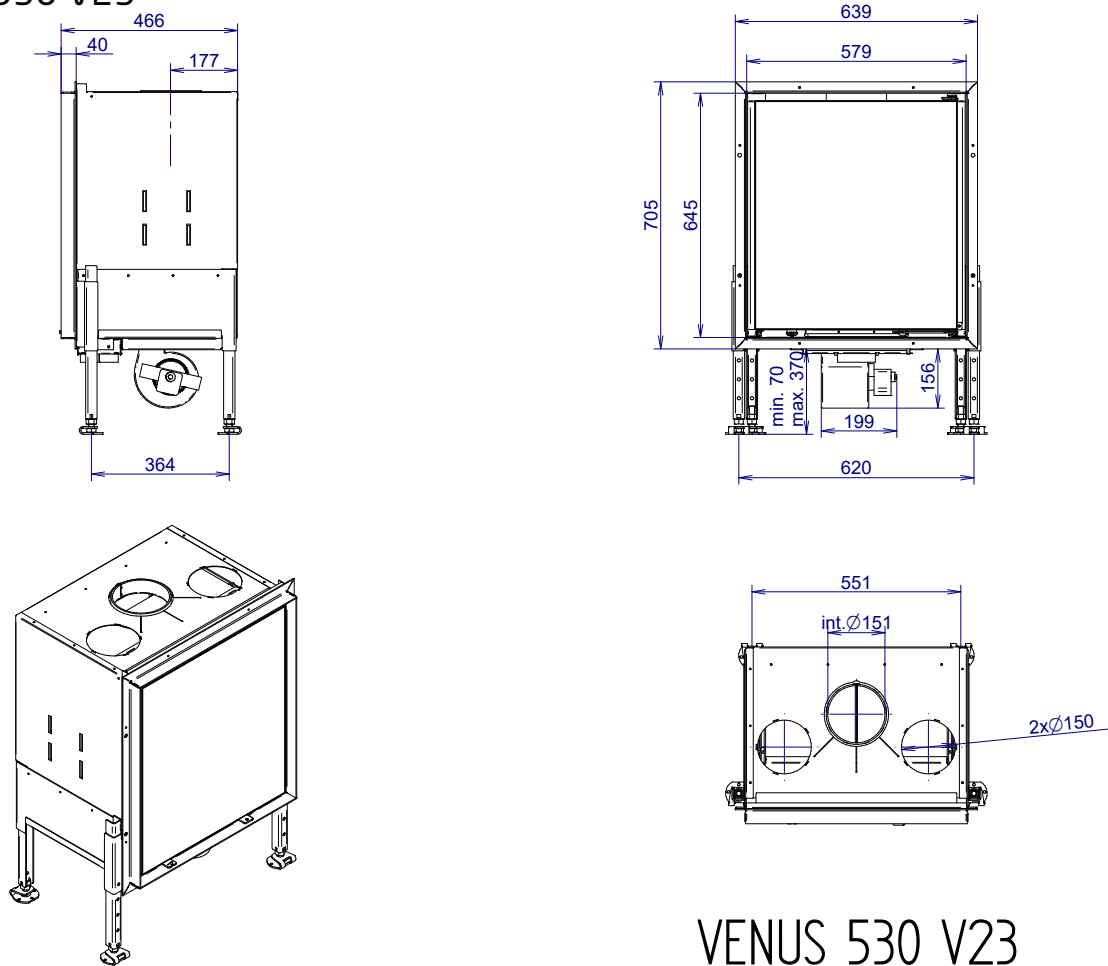
7.3 Exclusion

Damage, claims and functional disorders linked to:

- Incorrect installation or connection.
- Unadjusted chimney draft.
- Transport and installation.
- Misuse.
- Inadequate maintenance.
- Unsuitable, harmful and damp fuels.
- Any internal change or conversion of the fireplace.
- Burning at extremely high temperatures, more than 12 kW.
- Transport and packaging costs.
- All costs not accepted in advance by M-design.

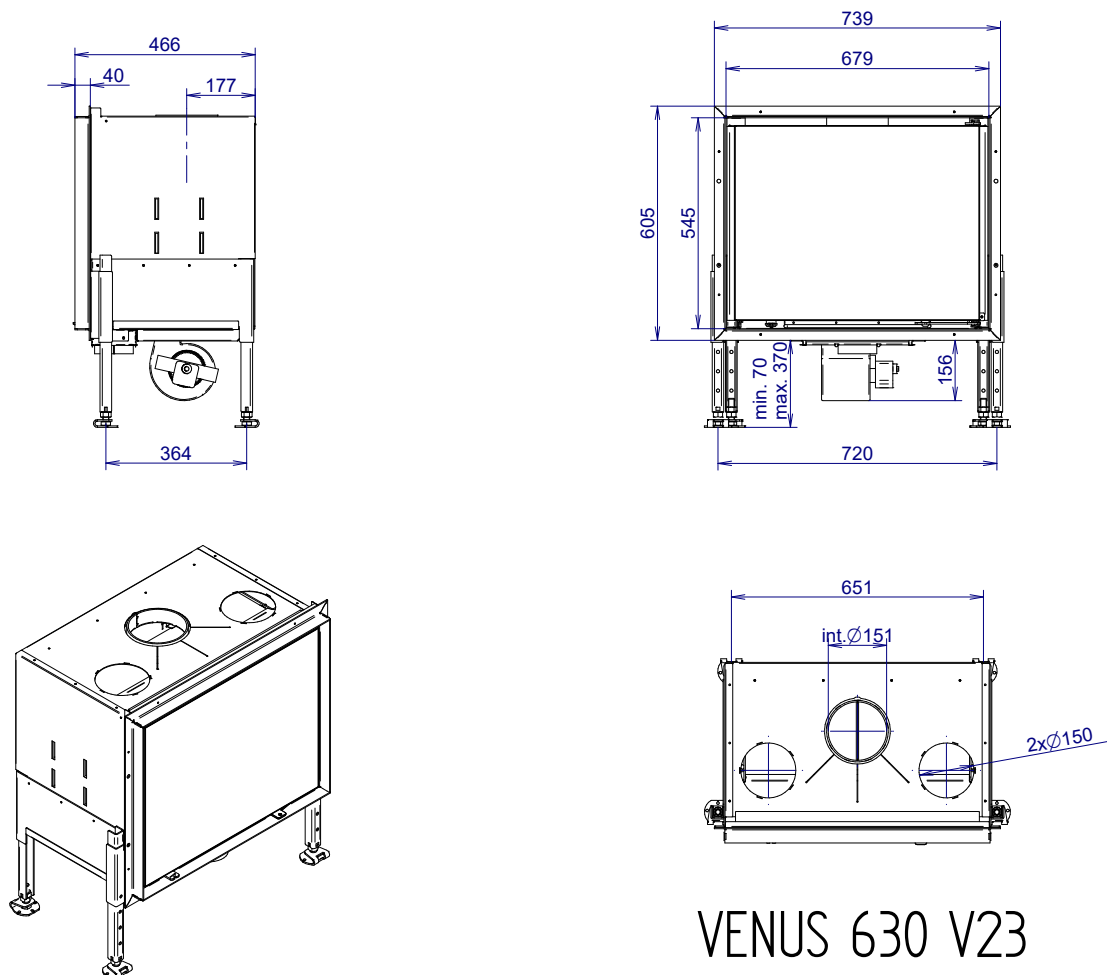


Venus 530 V23



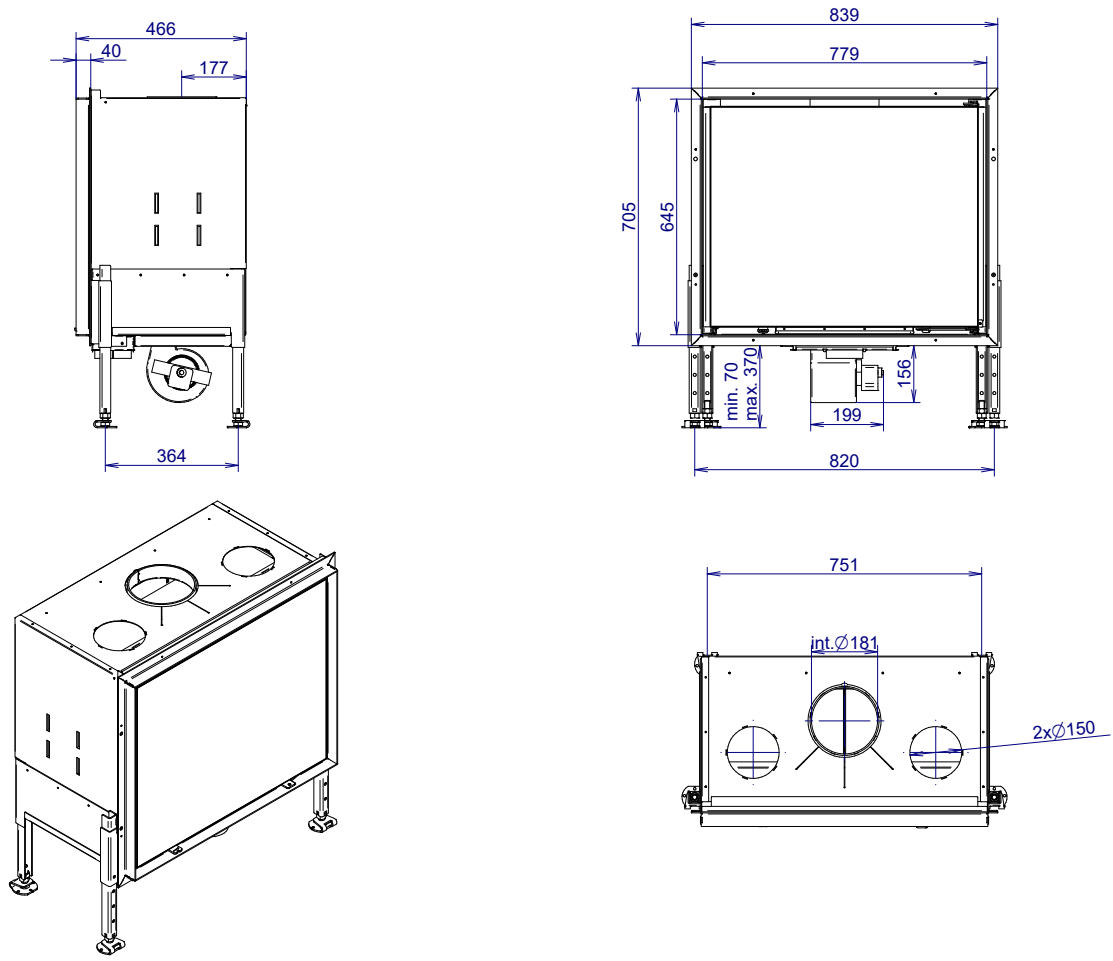
VENUS 530 V23

Venus 630 V23

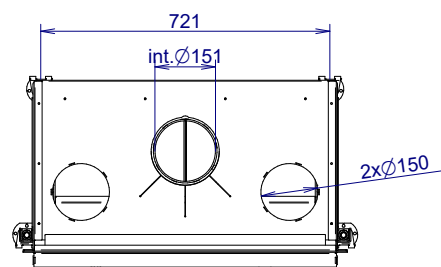
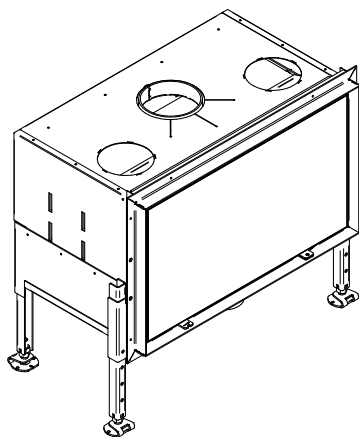
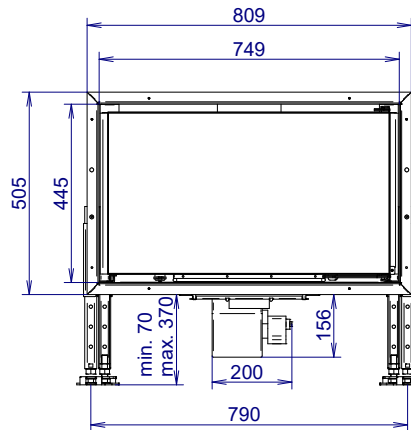
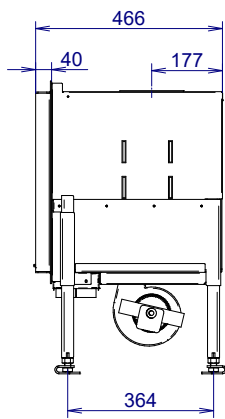


VENUS 630 V23

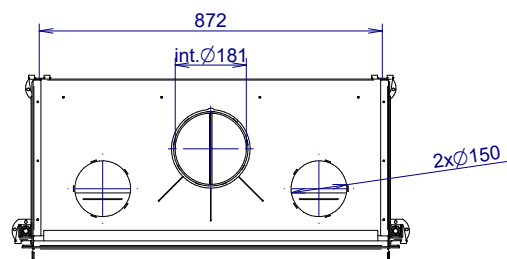
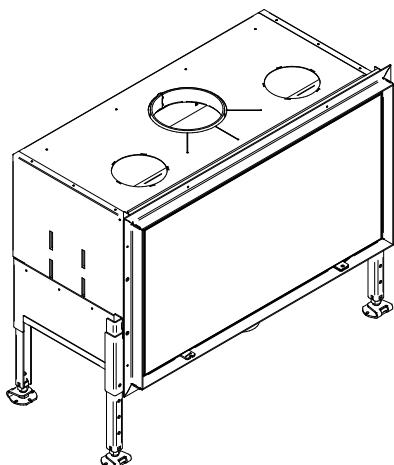
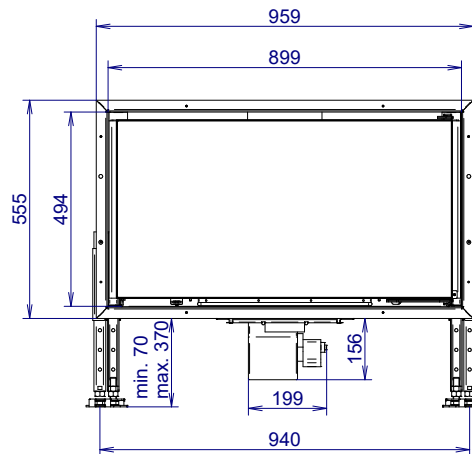
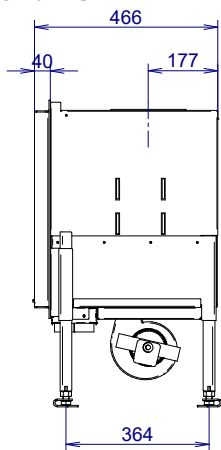
Venus 730 V23



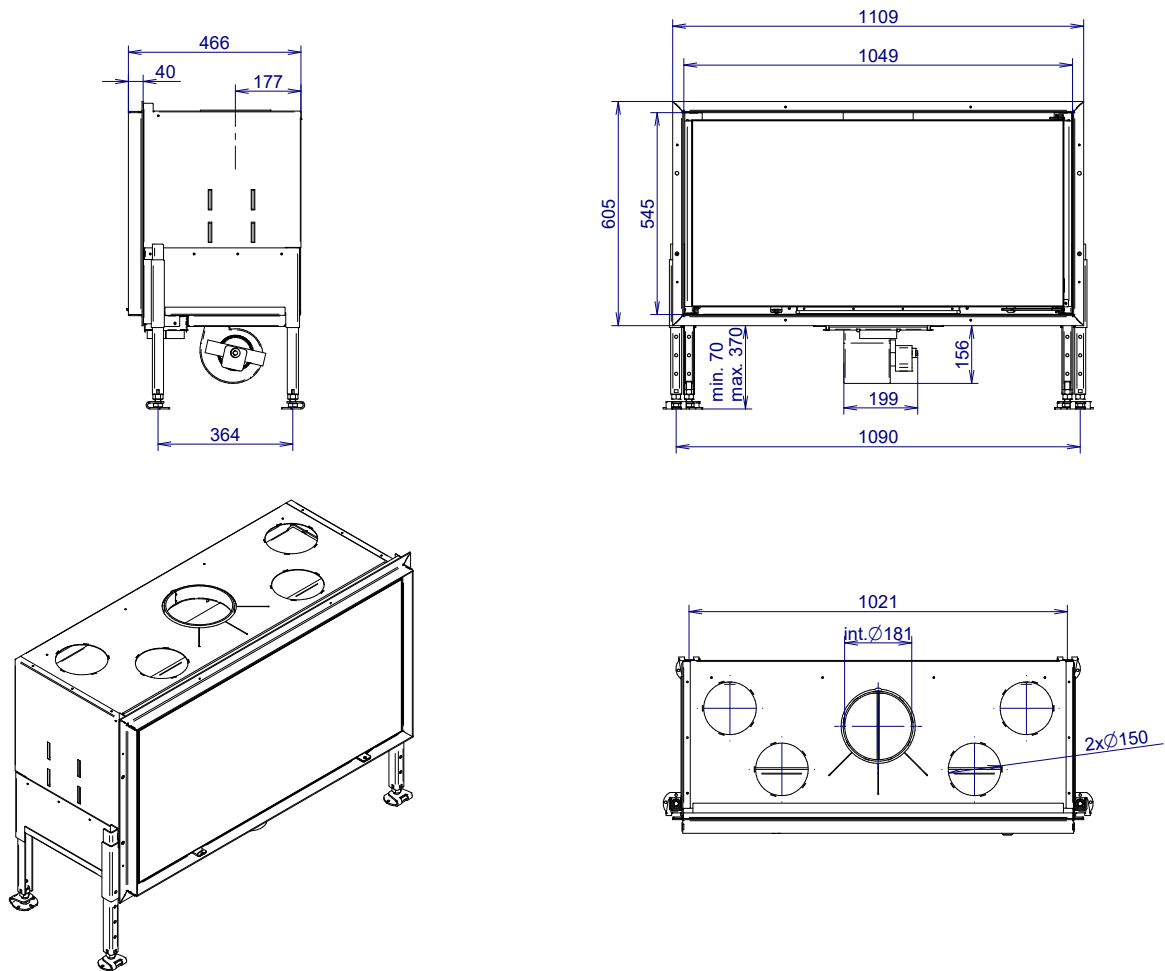
Venus 700 V23



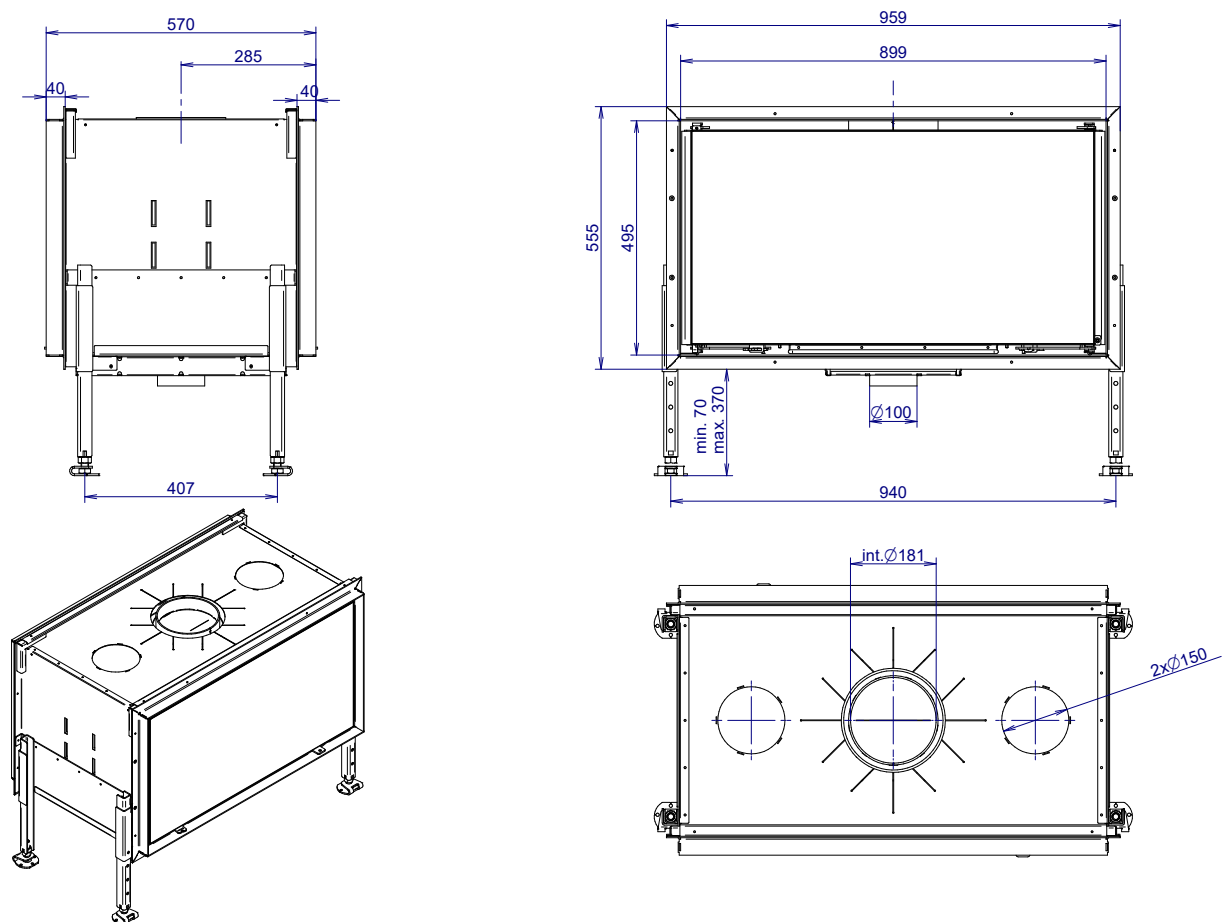
Venus 850 V23



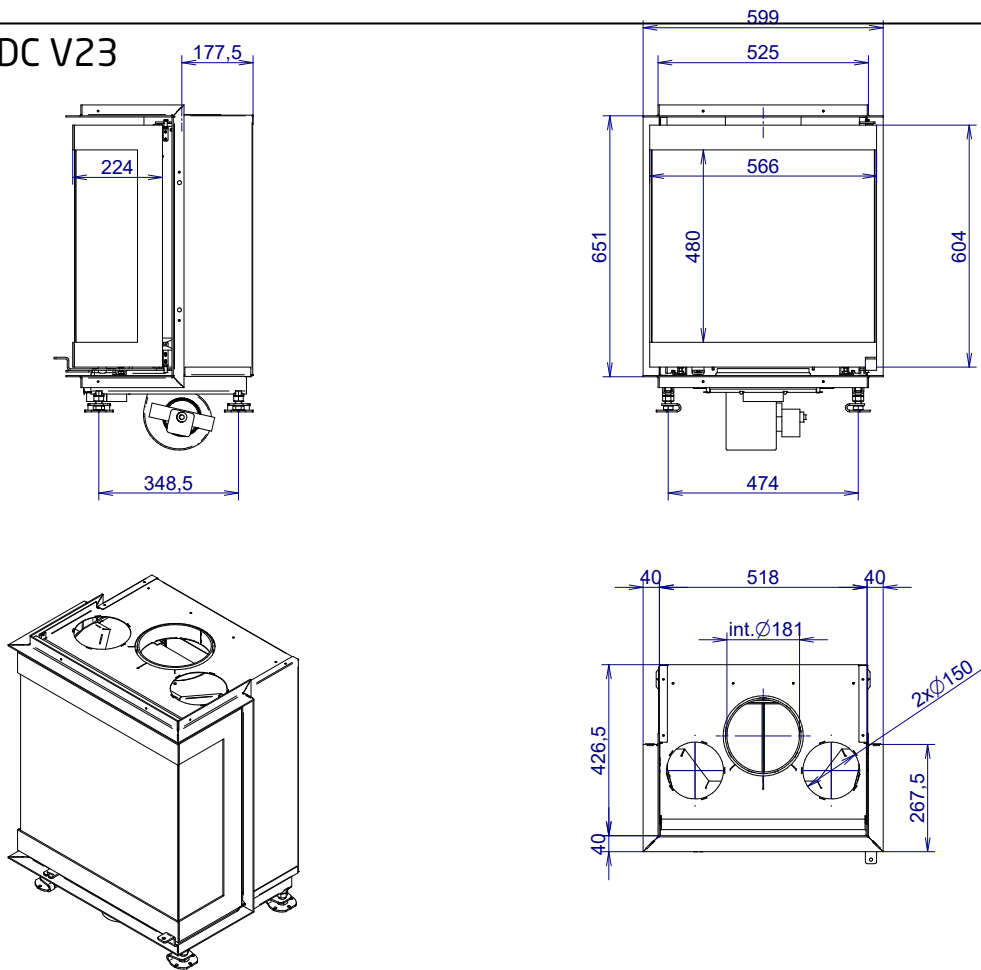
Venus 1000 V23



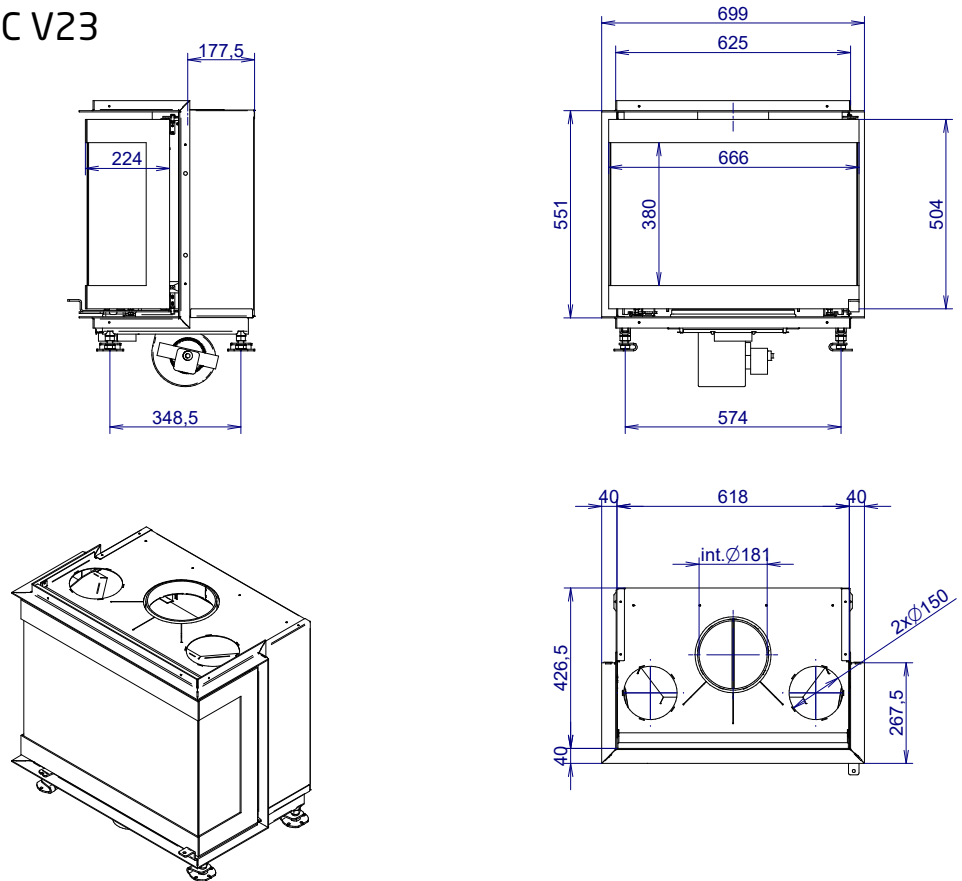
Venus 850D V23



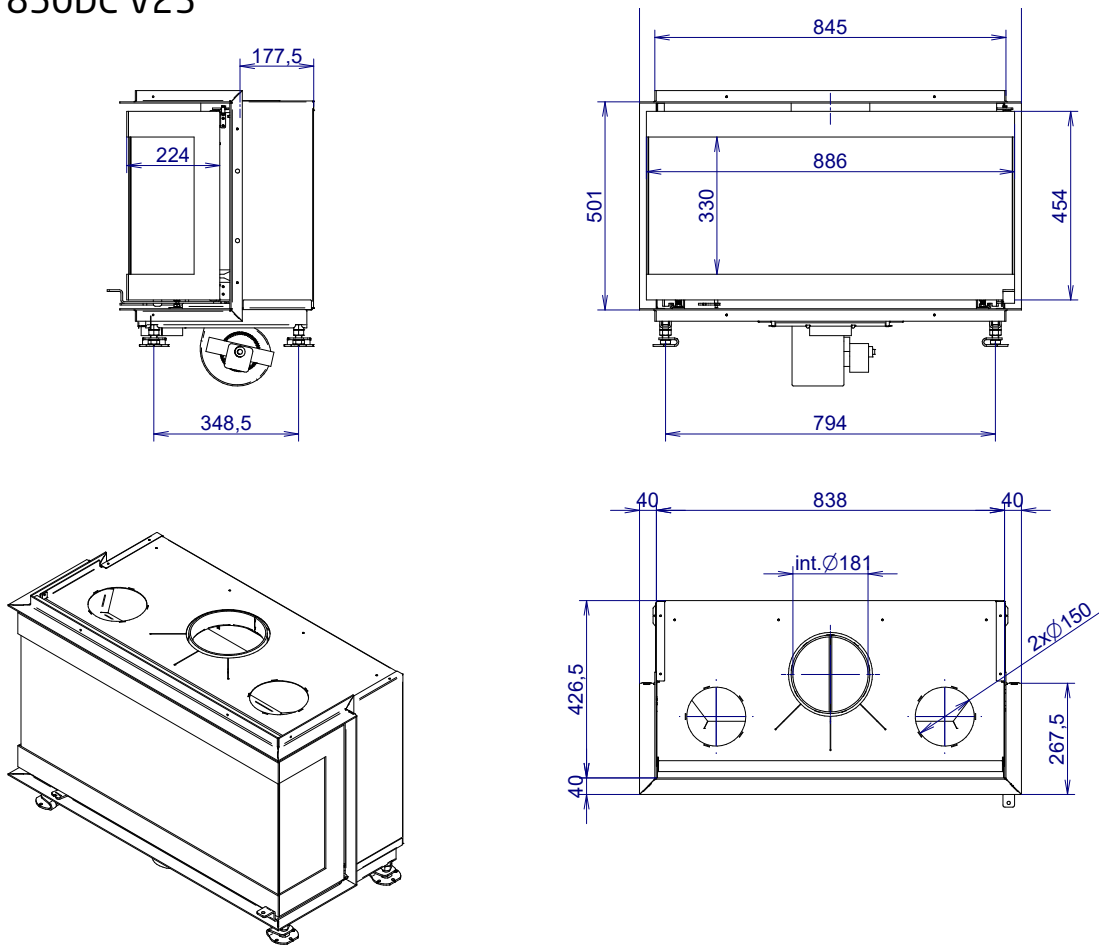
Venus 530DC V23



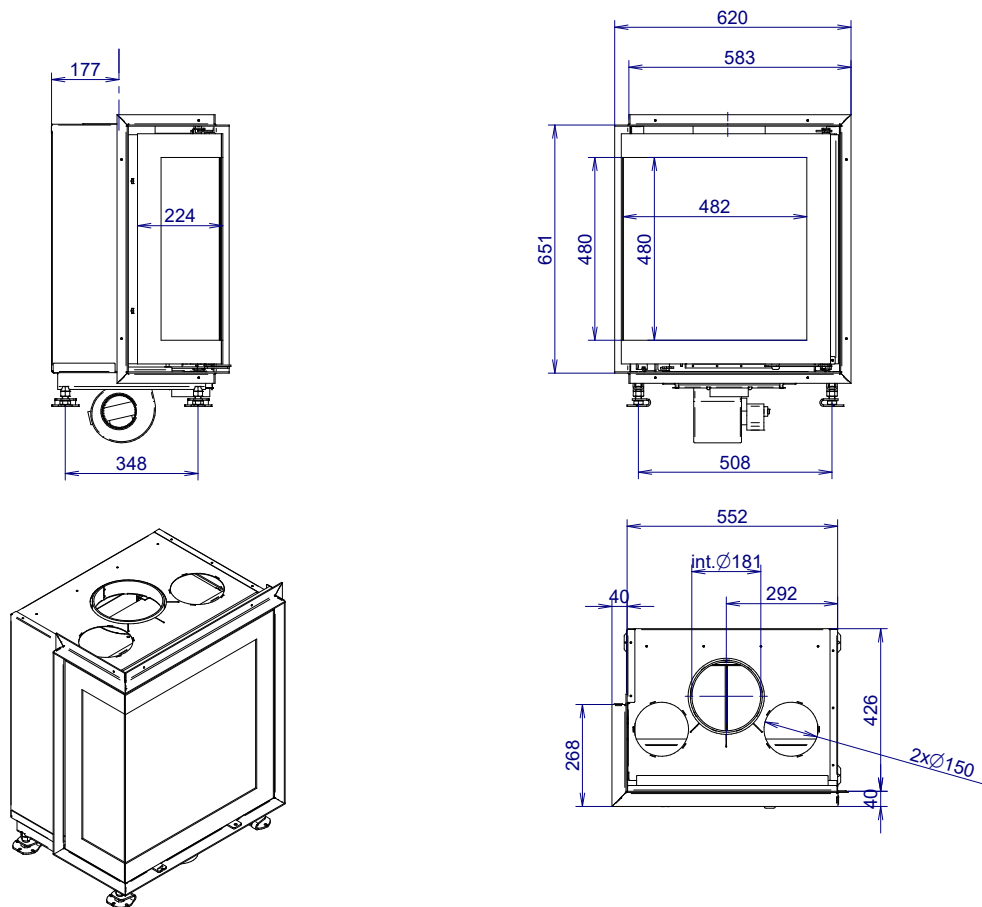
Venus 630DC V23



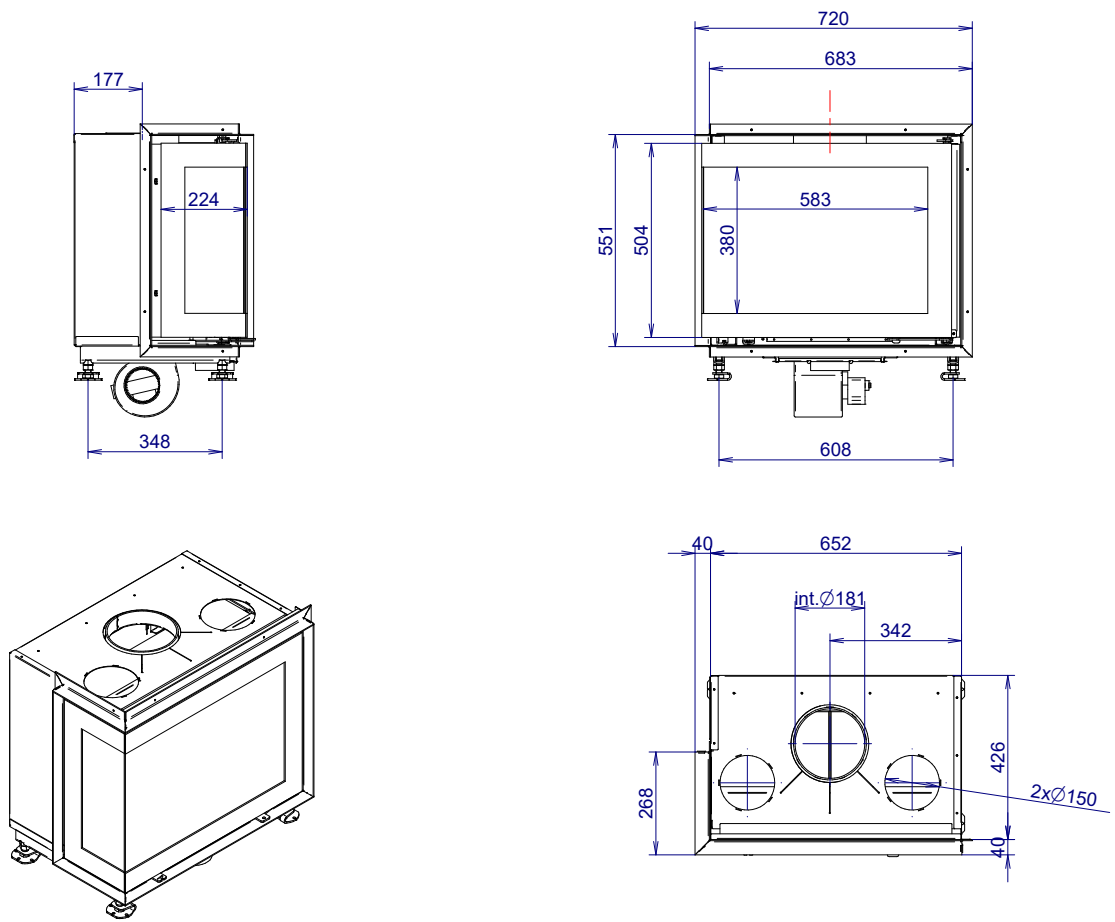
Venus 850DC V23



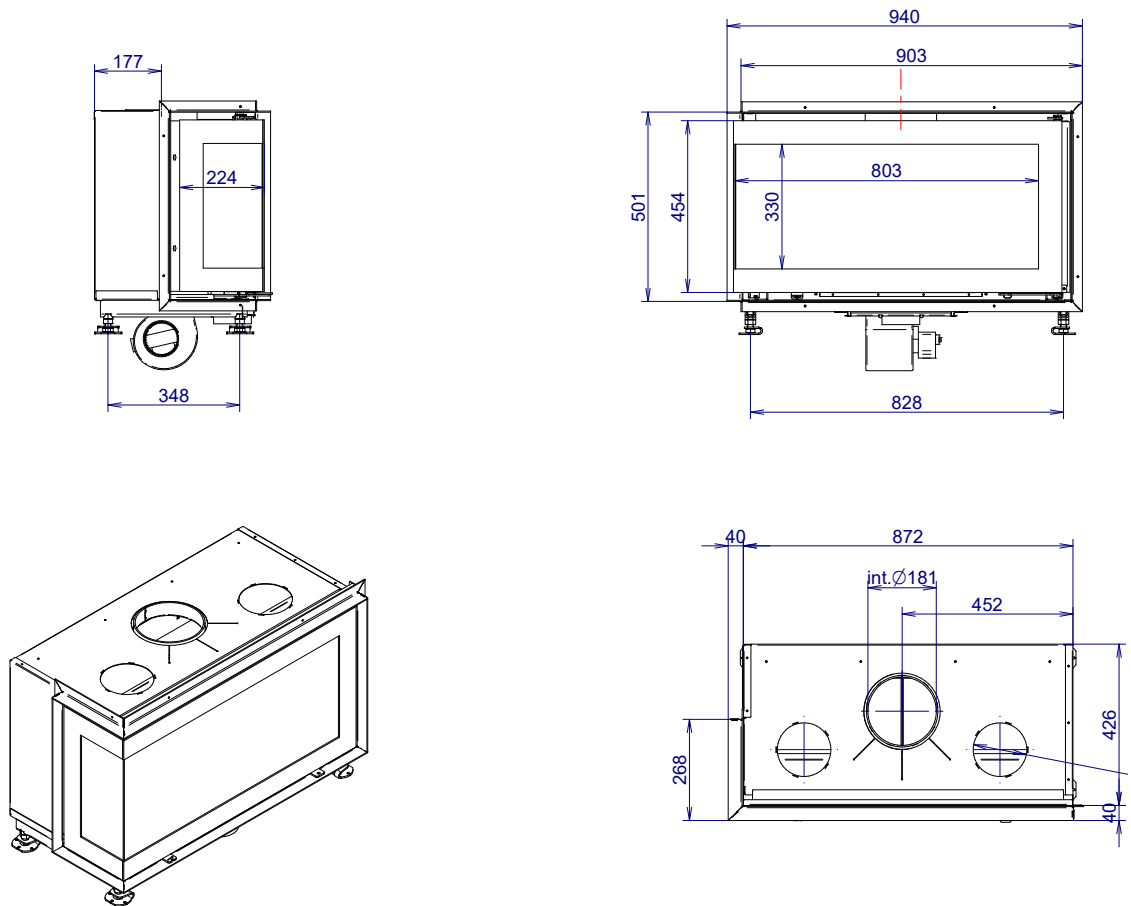
Venus 530CL V23



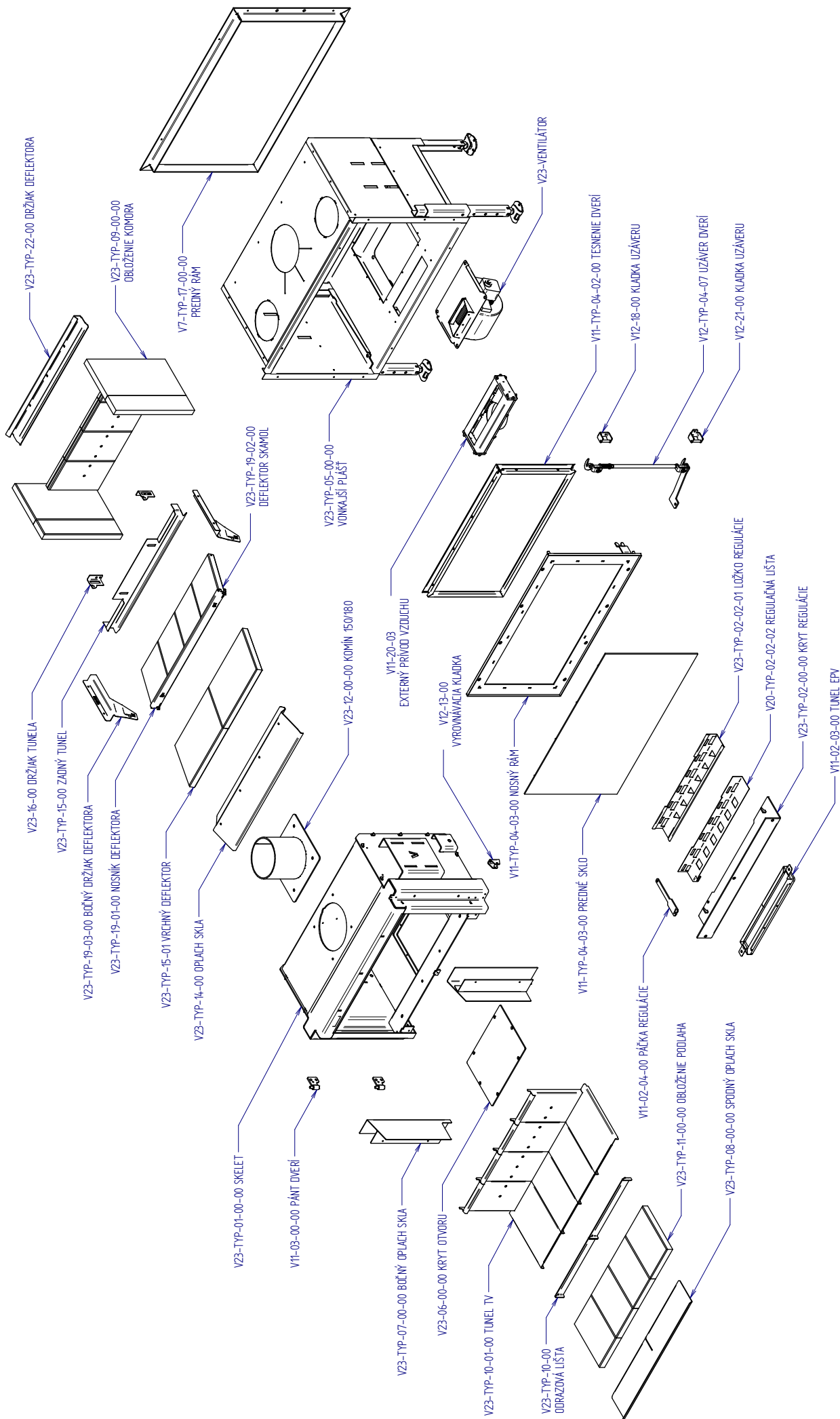
Venus 630CL V23



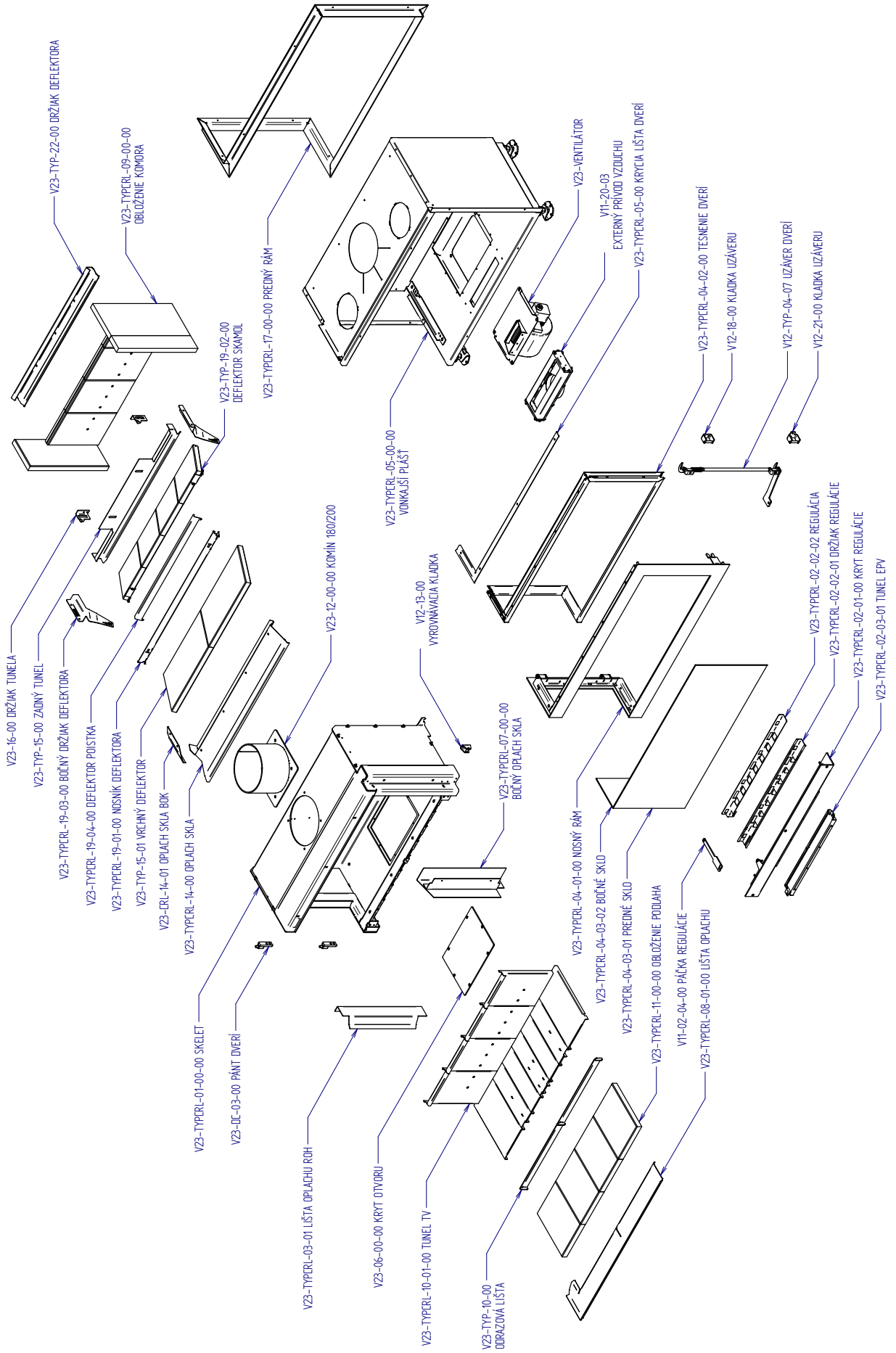
Venus 850CL V23



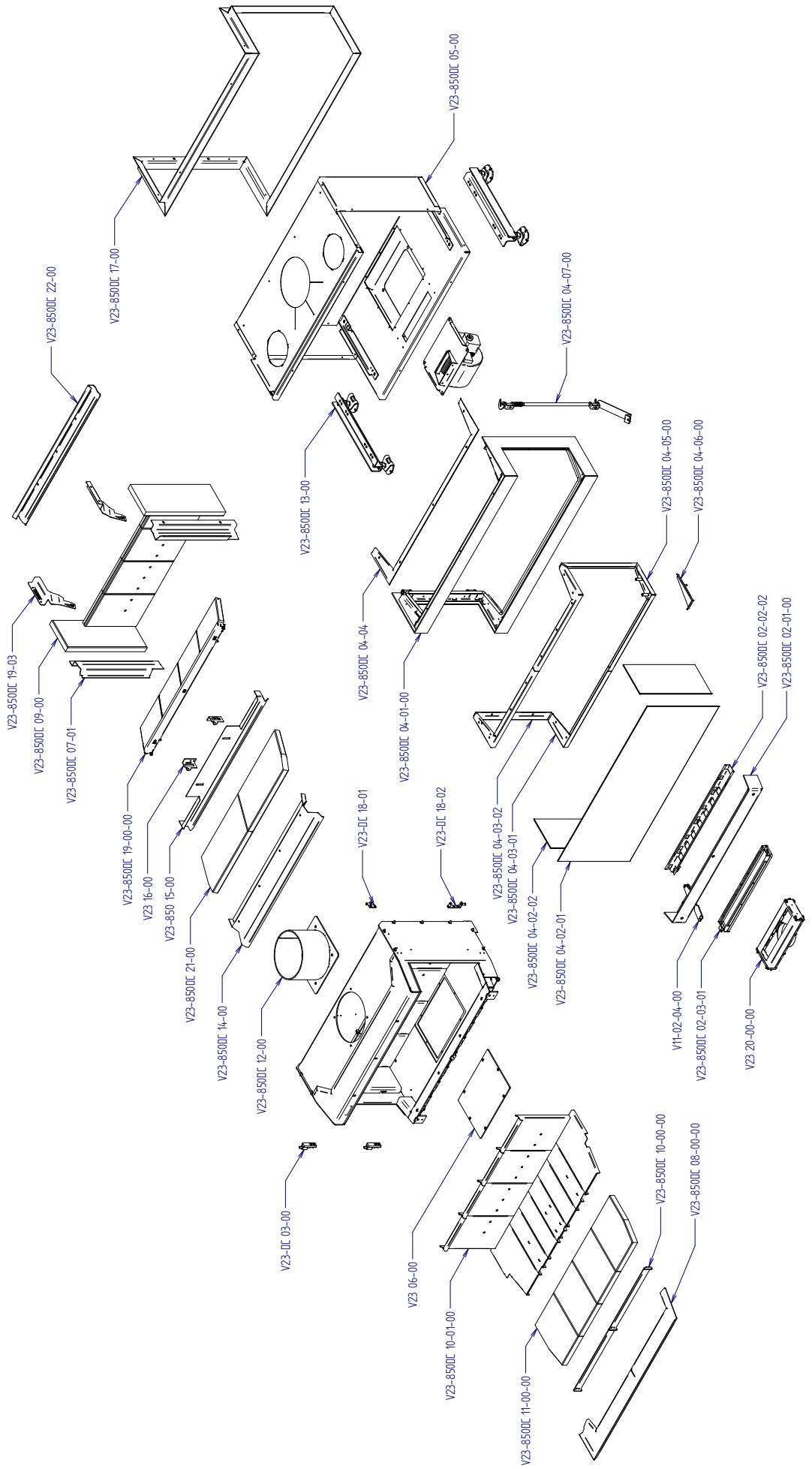
VENUS V23



VENUS CRL V23



VENUS V23 DC



VENUS IN THE MBOX

INSTALLATION INSTRUCTIONS AND INSTRUCTIONS FOR USE



This product is not suitable for use as a primary heater



PASSION FOR FIRE

SUMMARY VENUS IN THE MBOX

| | |
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| 1. Installation..... | 29 |
| 2.1 Installation operations..... | 29 |
| 2.2 Stand-alone installation with Woodbox..... | 30 |
| 2.3 Suspended installation against a wall with foot..... | 31-32 |
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| 2.4.1 Installation of the fan..... | 34 |
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| 2.6 Connection without air supply from outside..... | 35 |
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| 6. Warranty..... | 36 |
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2. Installation

2.1 Installation operations

Your supplier is the specialist chosen by M-design to represent it in your region. For your safety and satisfaction, we recommend that you let him carry out the installation.

The appliance must be installed in accordance with the rules laid down and any local regulations. In the absence of appropriate regulations in Belgium, the French installation rules (D.T.U. 24.2.2) apply. If you nevertheless intend to carry out the work individually, we recommend that you

- refer to the terms and conditions of our guarantee contracts
- ask your supplier for advice.

Venus in the MBox can be installed standalone. It is obligatory to use the wall bracket + foot.

FULL WALL GUIDELINE: If you want to install the Venus in the Mbox hanging, you must check whether the wall on which you want to hang it is certainly a solid wall. If it is not a full wall (cavity wall) then it is mandatory to order an additional foot as an option.

M-design is not responsible for non-compliance with this guideline.

Important: a fan (optional) can be fitted to the MBox. Before installing Venus in the Mbox, install the fan (see fan installation on page 33-34).

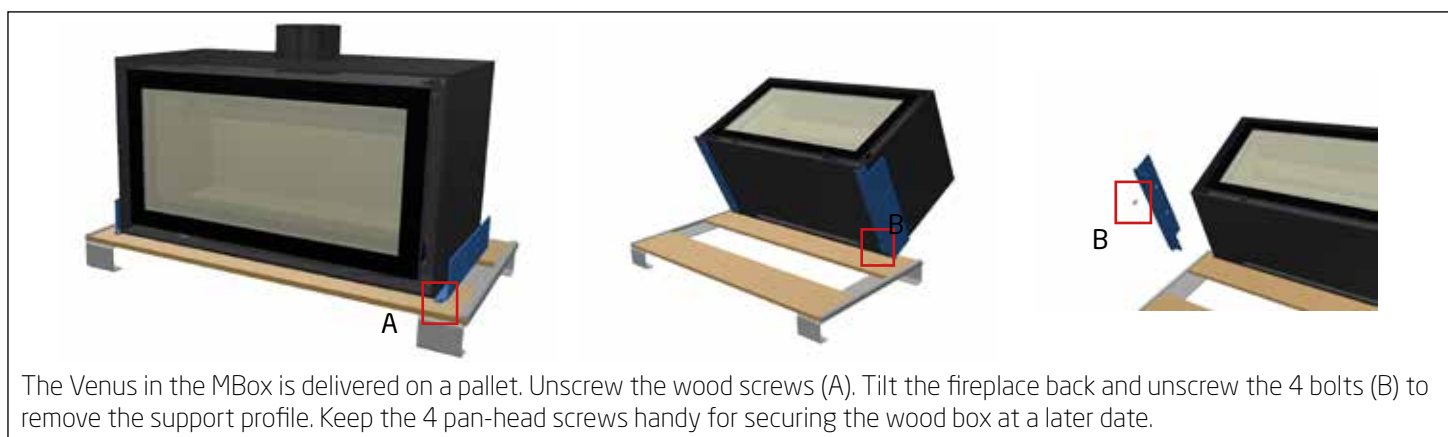
Installation if you want to slide the combustion chamber out of the box and mount the box on the wall bracket first. (This allows the weight to be distributed)

- Open the door
- Remove the flue gas braking plates (chamot) and unscrew the flue gas extractor.
- Slide the combustion chamber out of the BOX.
- Fix the wall bracket to the wall (use M8x100 anchor bolts). Do not fix to a cavity wall!
- If a fan has been selected as an option, fit it before hanging the BOX on the wall.
- Hanging the BOX
- Replace the combustion chamber in the BOX
- Replace the smoke deflector plates (chamot)
- Screw on the smoke extractor while fitting the flue pipe.

Installation if you wish to mount the Venus in the MBox entirely on the wall bracket (caution: the appliance is very heavy)

- Install the foot on the floor against the wall
- Fix the wall bracket to the wall (use M8x100 anchor bolts). **Do not fix to a cavity wall! (See full wall guideline)**
- If you have chosen a fan as an option, install it before fixing the MBOX to the wall.
- Fixing the Venus in the MBOX to the wall bracket
- Replace the combustion chamber in the MBOX.
- Replace the smoke deflector plates (chamot).

2.2 Venus in the MBox: Stand-alone installation with Woodbox



2.3 Venus in the MBox: Installation against a wall. (take into account the 'Full wall' guideline)

We recommend to remove the combustion chamber out of the MBox.

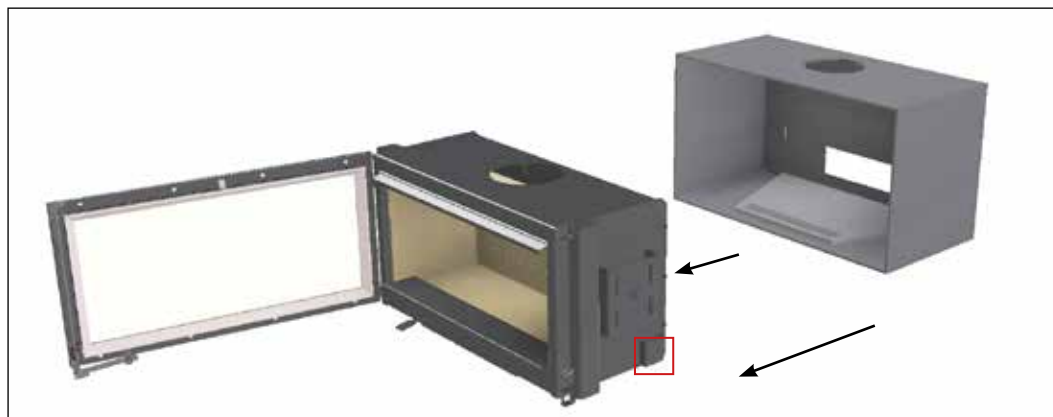
Open the door



Remove chamot stones



unscrew the bolt and nut to remove the chimney hood

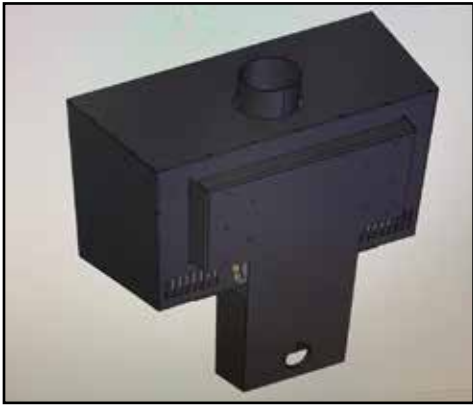


Slide the combustion chamber out of the MBox.

Note:

There is a control screw under the combustion chamber. When replacing the combustion chamber, make sure that the the control screw into the hole in the Mbox. If necessary, you can adjust the height of the combustion chamber



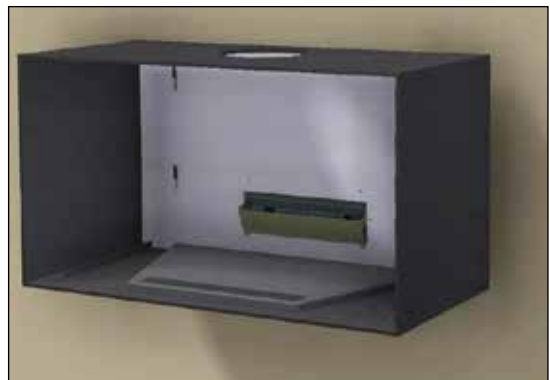
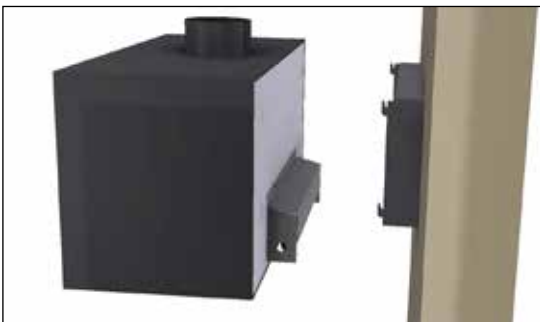


Wall mounting: use 6 M8x100 anchor bolts with chemical anchors. Do not fix to a cavity wall!

Use the foot (option) if you have a cavity wall
 Position the foot against the wall
 Present the Mbox and wall bracket against the wall and mark where the holes should be drilled.



Hang the Venus M Box on the wall bracket



Replace the combustion chamber in the MBox.



Replace the chimney hood and install the chamot stones.

2.4 Fan (option) (installation Dimmer : page 8)

Important: if you have chosen to use a fan, you must first fit it as described below.



The fan box includes



Fan protection



Fan



wire 220V

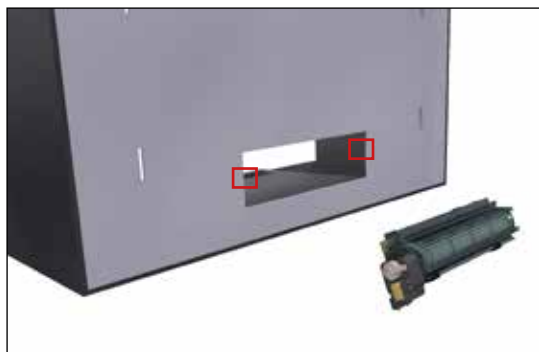


Cable Fan

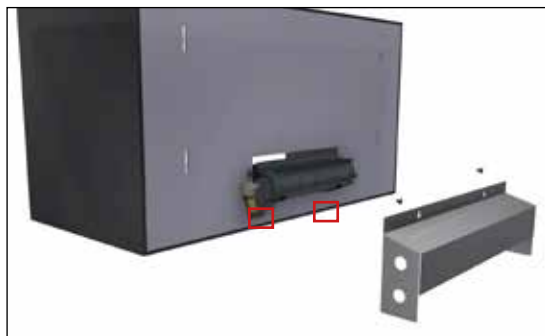


2x M5x6 / 2x M5x10

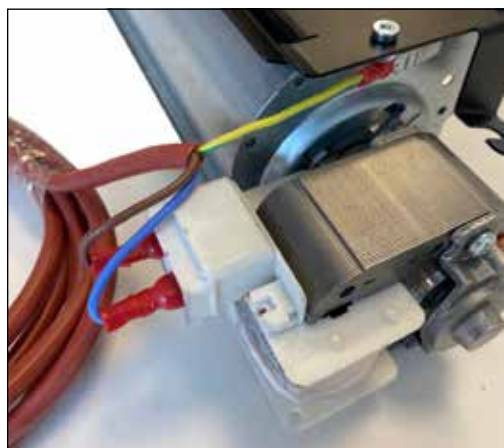
2.4.1 Installation of the fan



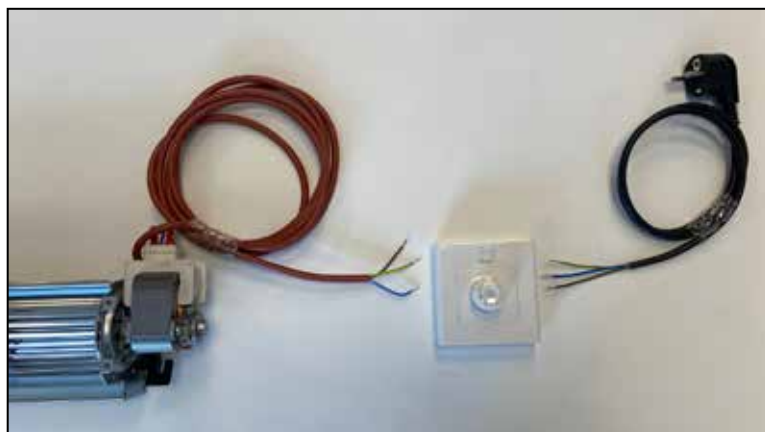
mounting the Fan



mounting the protection



fan cable connection

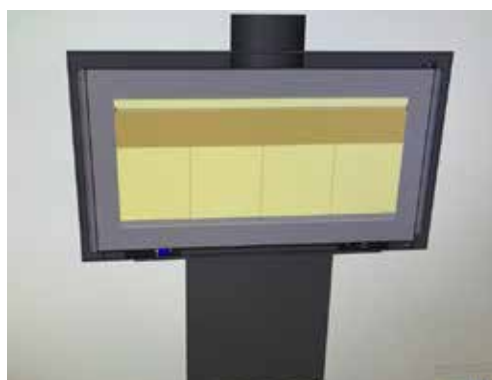


M-Design dimmer (to be ordered separately)

IMPORTANT : if fresh air is connected from outside and the Venus is installed hanging, a fan cannot be taken as an option



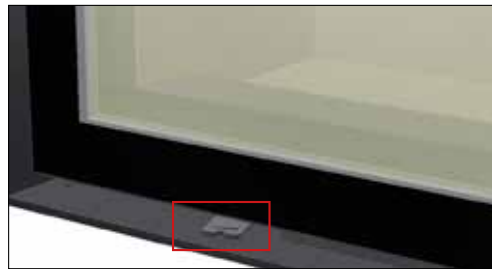
If you still want to use a fan and connect fresh air from outside, you can install the M-Box with a base with fresh air intake below and built-in fan.



2.5 Combustion air supply

All combustion requires air. In the case of a thermally sealed room, an additional air supply is required and the outside air supply should be used. If you cannot connect directly to the outside, there must be enough fresh air in the living room to take it out for combustion.

In all cases, you must avoid creating a negative pressure in the room. If it is absolutely necessary to have a cooker hood in an adjacent room, a sufficient air supply must be provided to avoid any negative pressure. avoid. Combustion is kept under control by a manual control that allows you to adjust combustion and, if necessary, increase the intensity of the fire. see photo



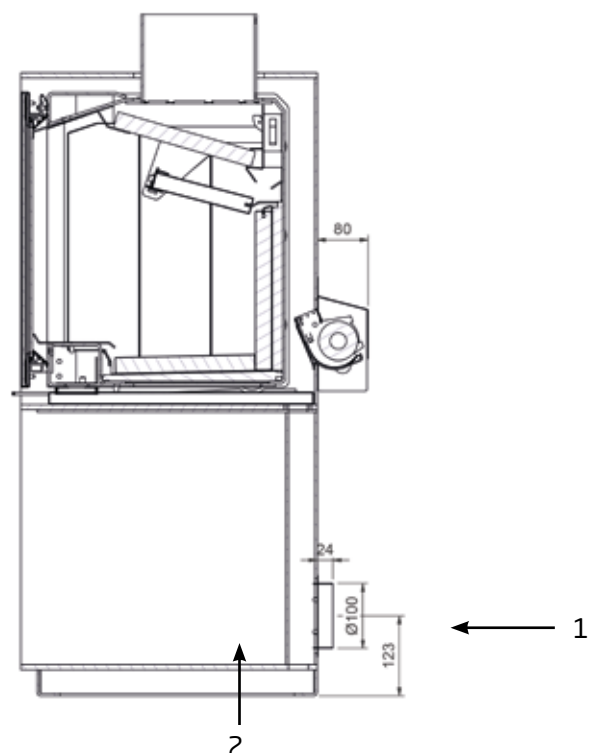
Min. Max.
Combustion air supply control

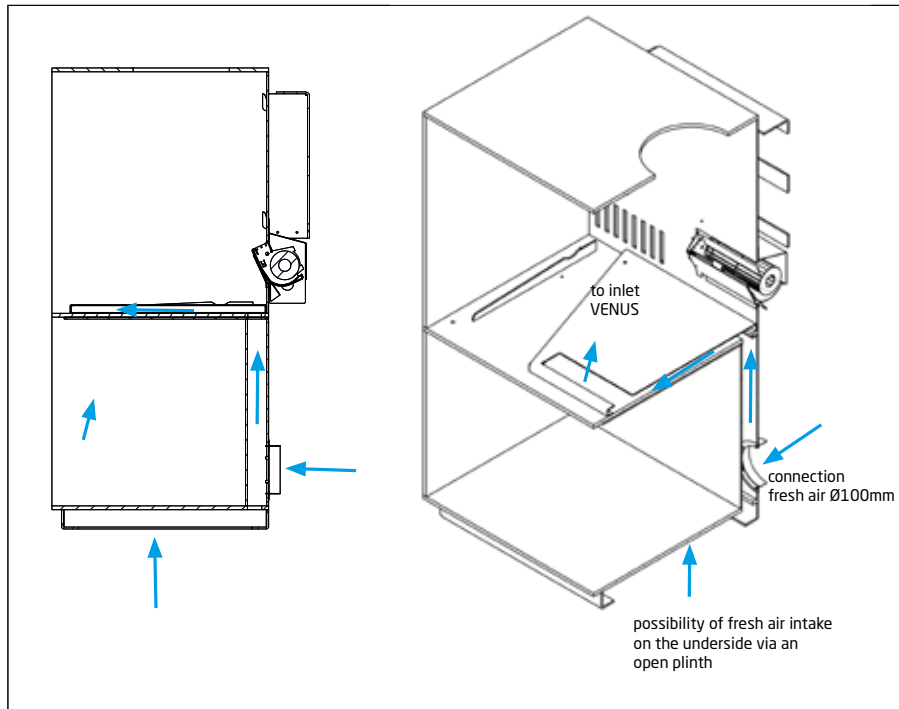
2.6 Connection without air supply from outside

However, if it is not possible to obtain fresh air from outside, Venus in the MBox can be installed. Venus in the MBox draws combustion air from the living room. Make sure that the living room is sufficiently ventilated to avoid any under-pressure. This installation is not recommended for passive houses.

Fresh air intake from outside

Fresh air can be supplied at the rear of the Woodbox (1) or at the bottom (2) via a hole to the cellar. If you wish to use air from the cellar, the inlet at the rear must be blocked using the plate provided for this purpose.





If the fresh air is provided at the bottom, the inlet plate at the rear must be replaced by a supplied flat plate



2.7. Chimney (page 11)

2.8 Flue damper adjustment (page 11)

2.9 Removing the flue damper (page 12)

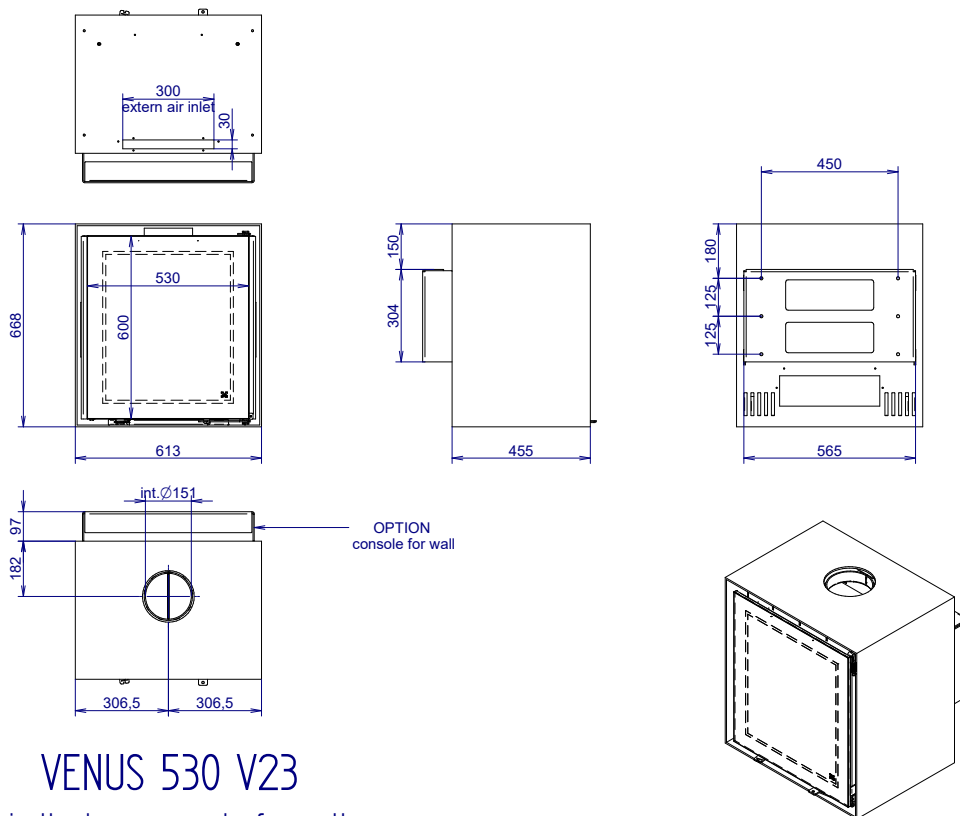
3. Minimum distances to be respected during installation (page 13)

4. Technical datas - specifications (page 14)

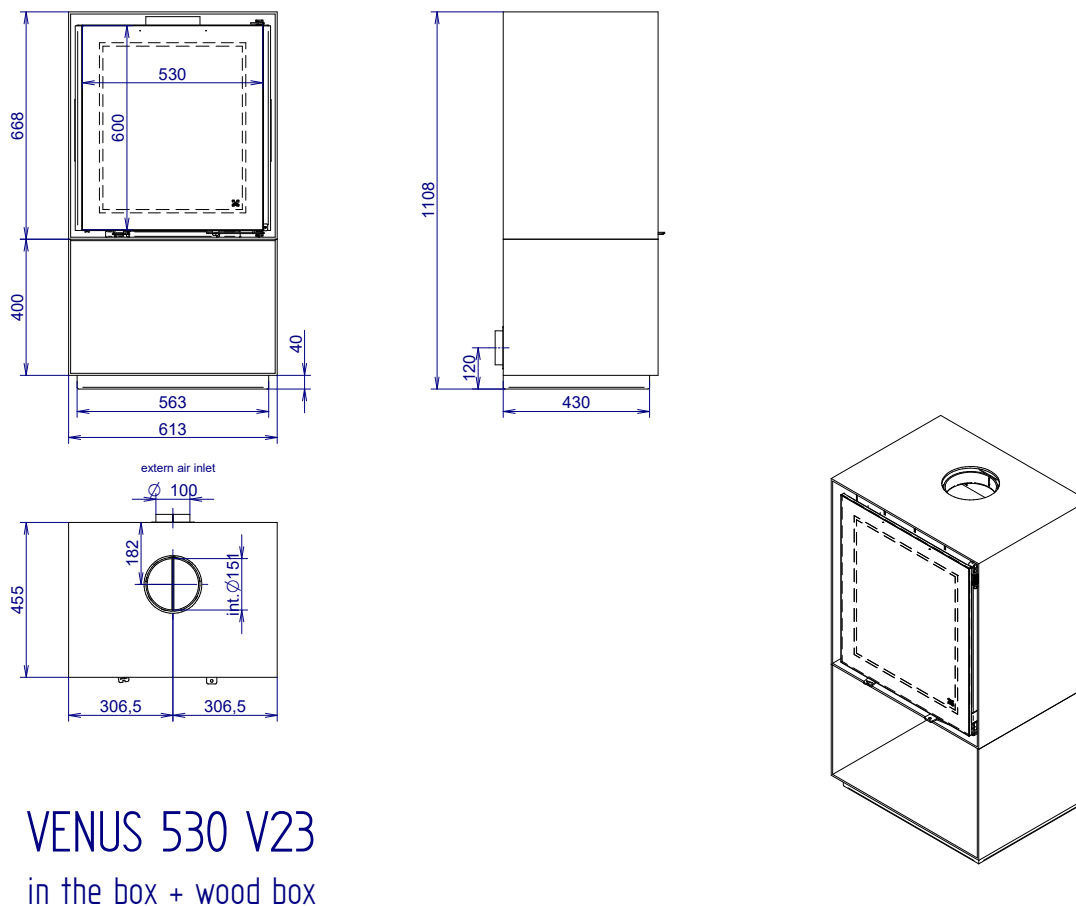
5. General recommendations and maintenance (page 15)

6. Warranty (page 15)

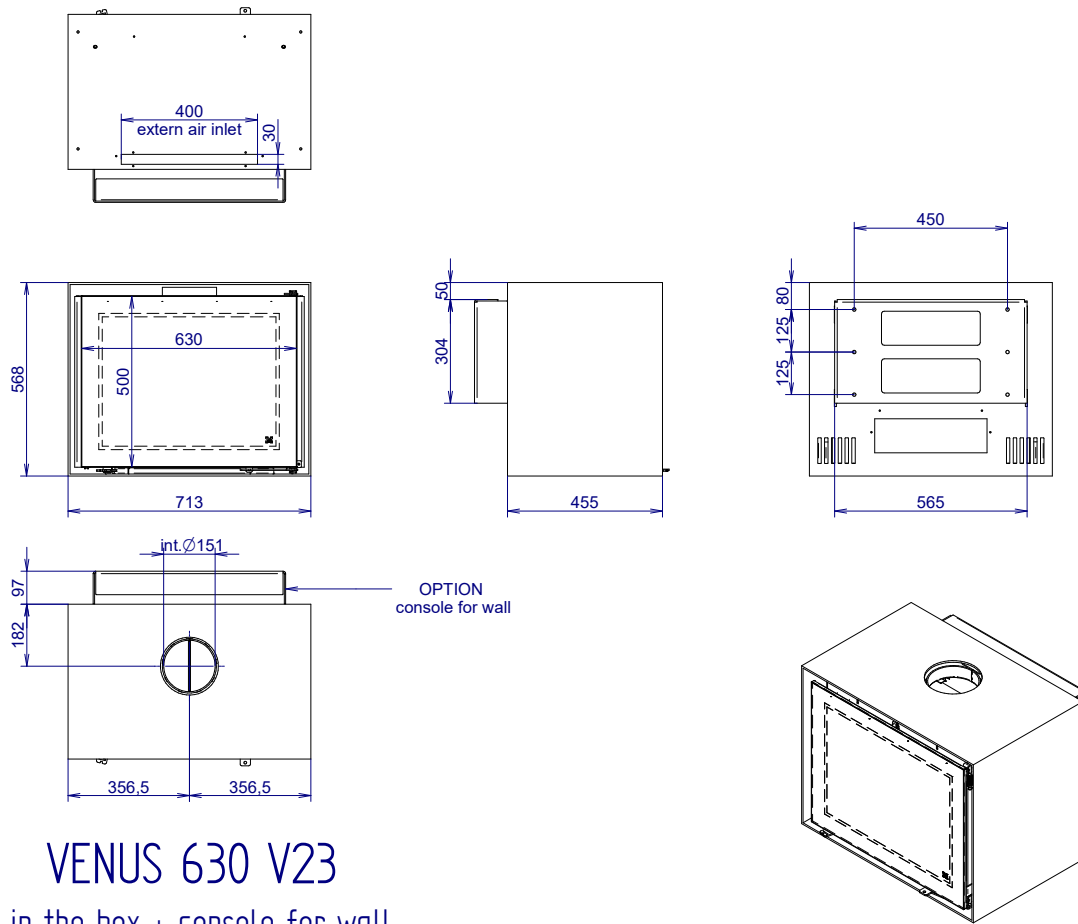
Venus 530 in the MBox



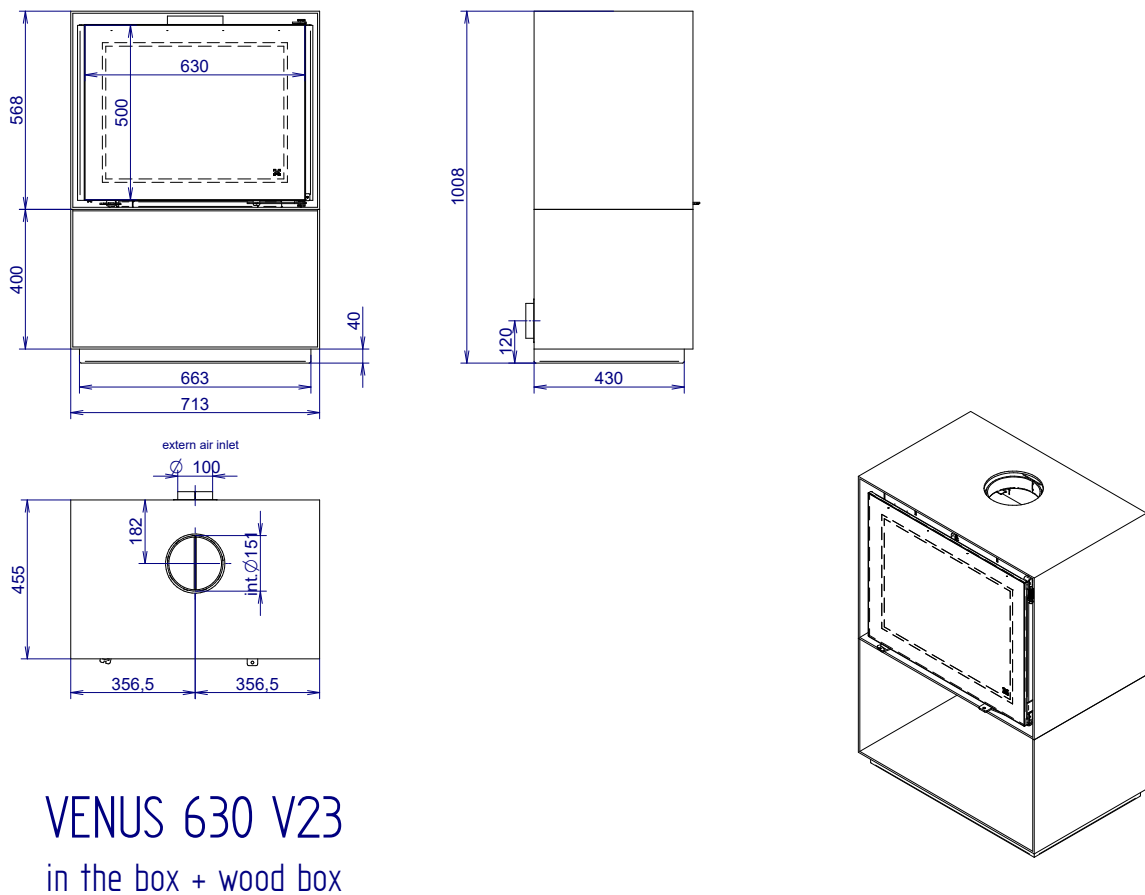
Venus 530 in the MBox + Woodbox



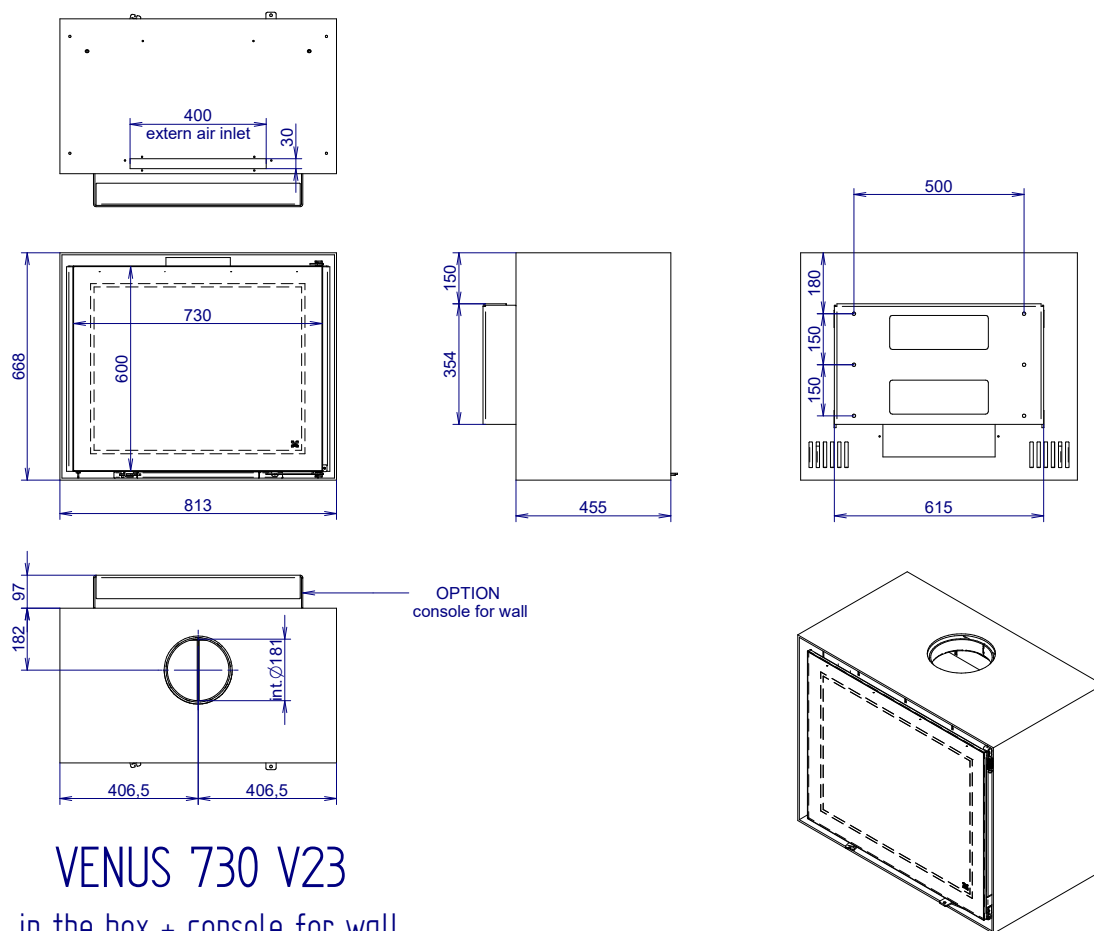
Venus 630 in the MBox



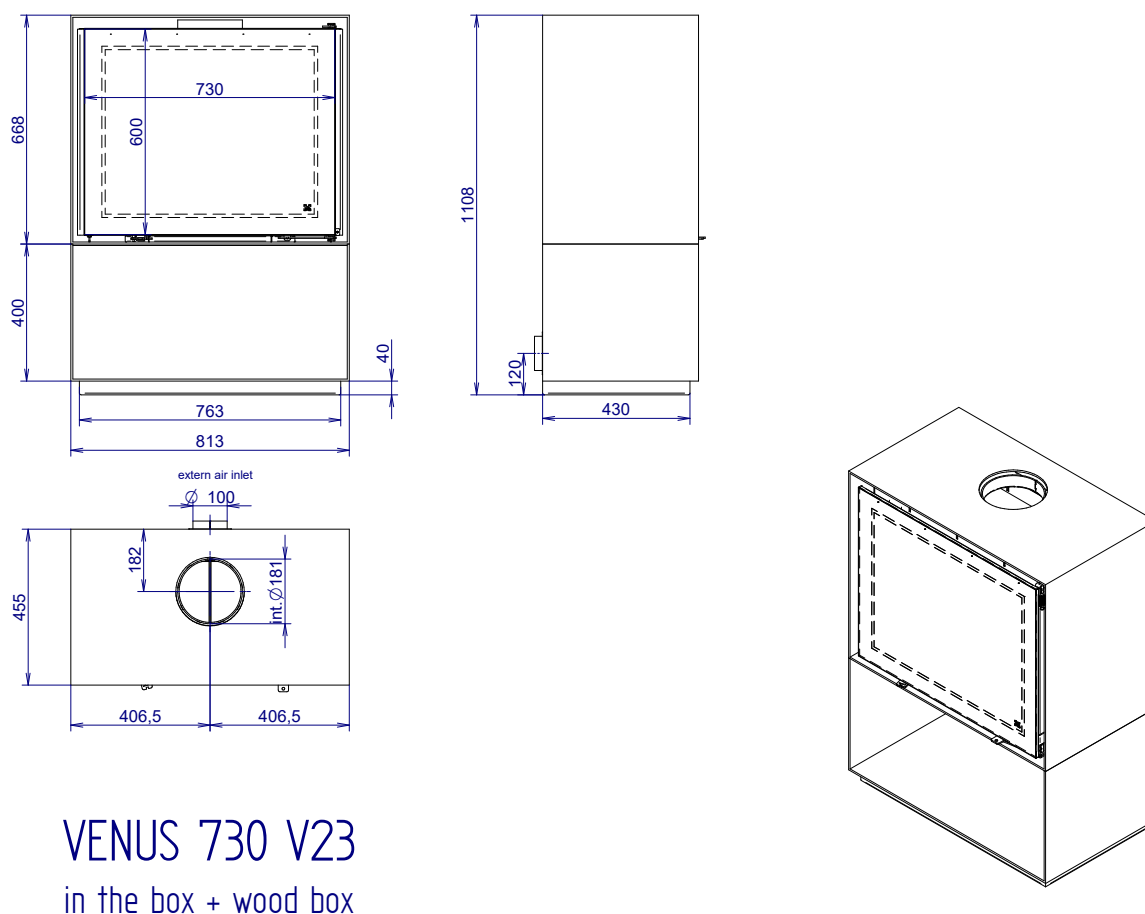
Venus 630 in the MBox + Woodbox



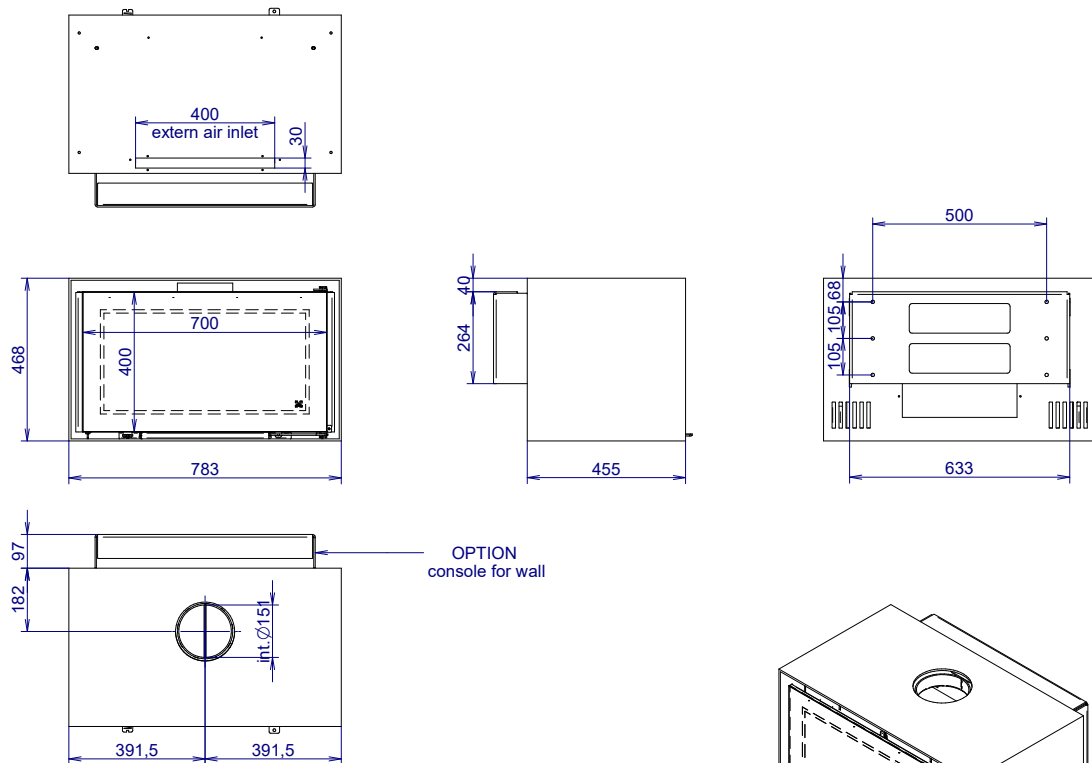
Venus 730 in the MBox



Venus 730 in the MBox + Woodbox



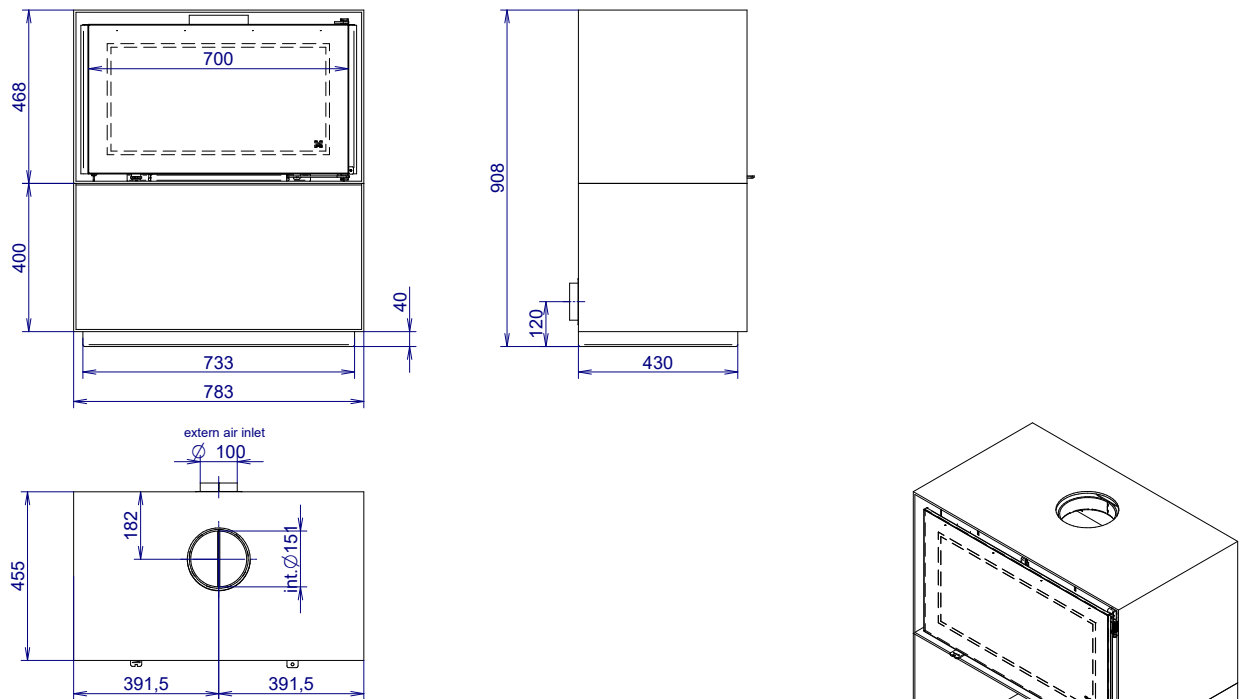
Venus 700 in the MBox



VENUS 700 V23

in the box + console for wall

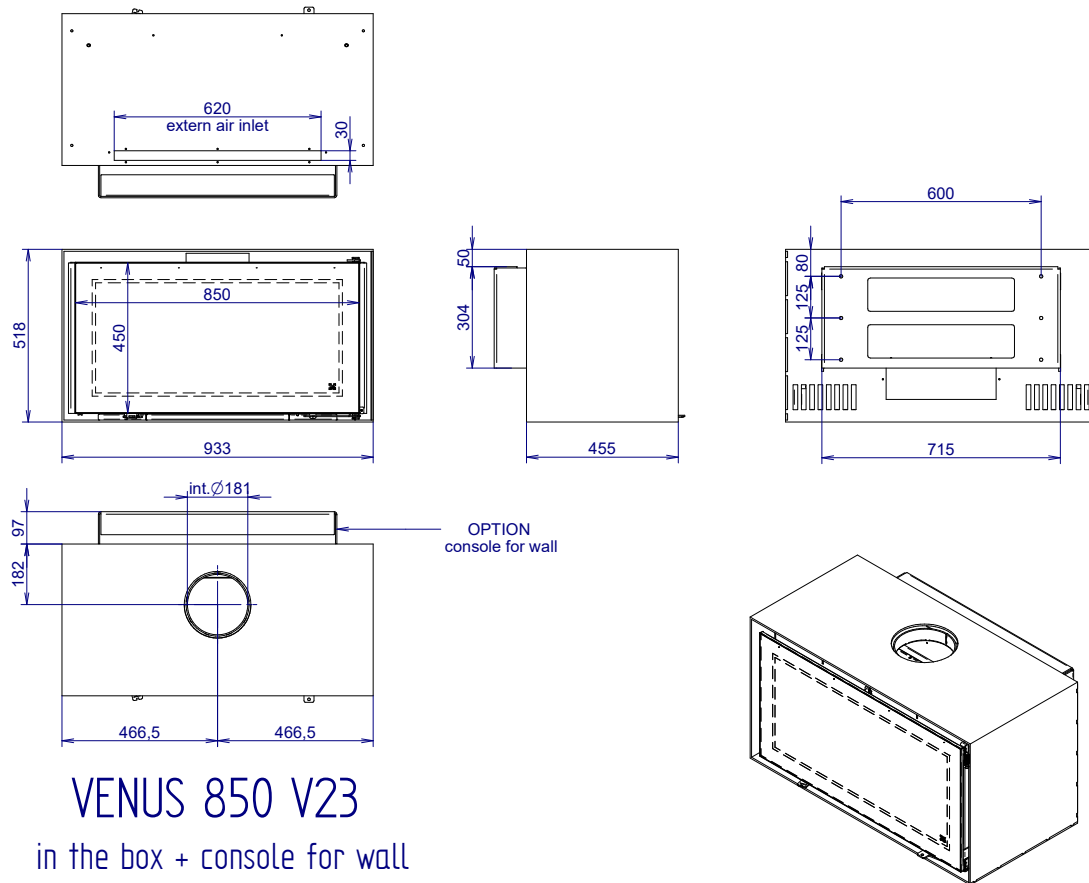
Venus 700 in the MBox + Woodbox



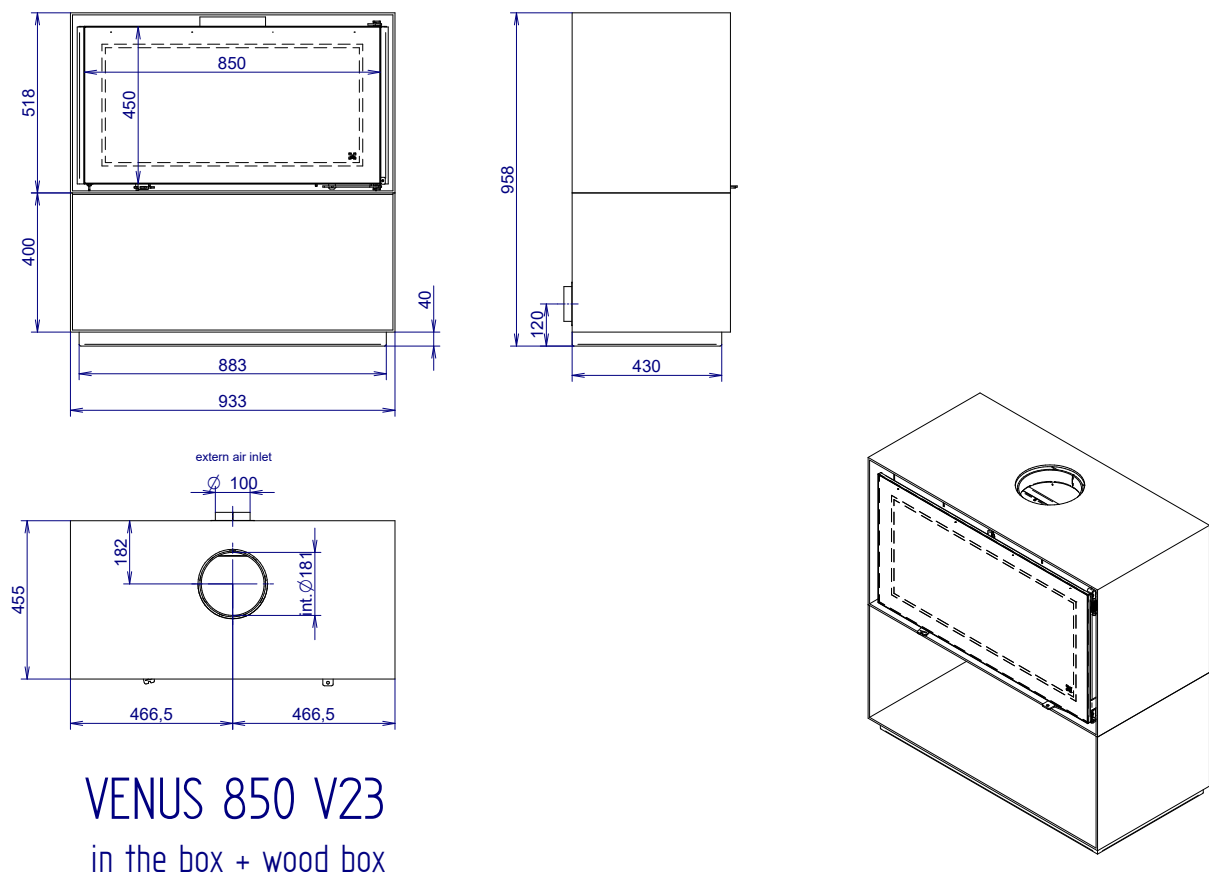
VENUS 700 V23

in the box + wood box

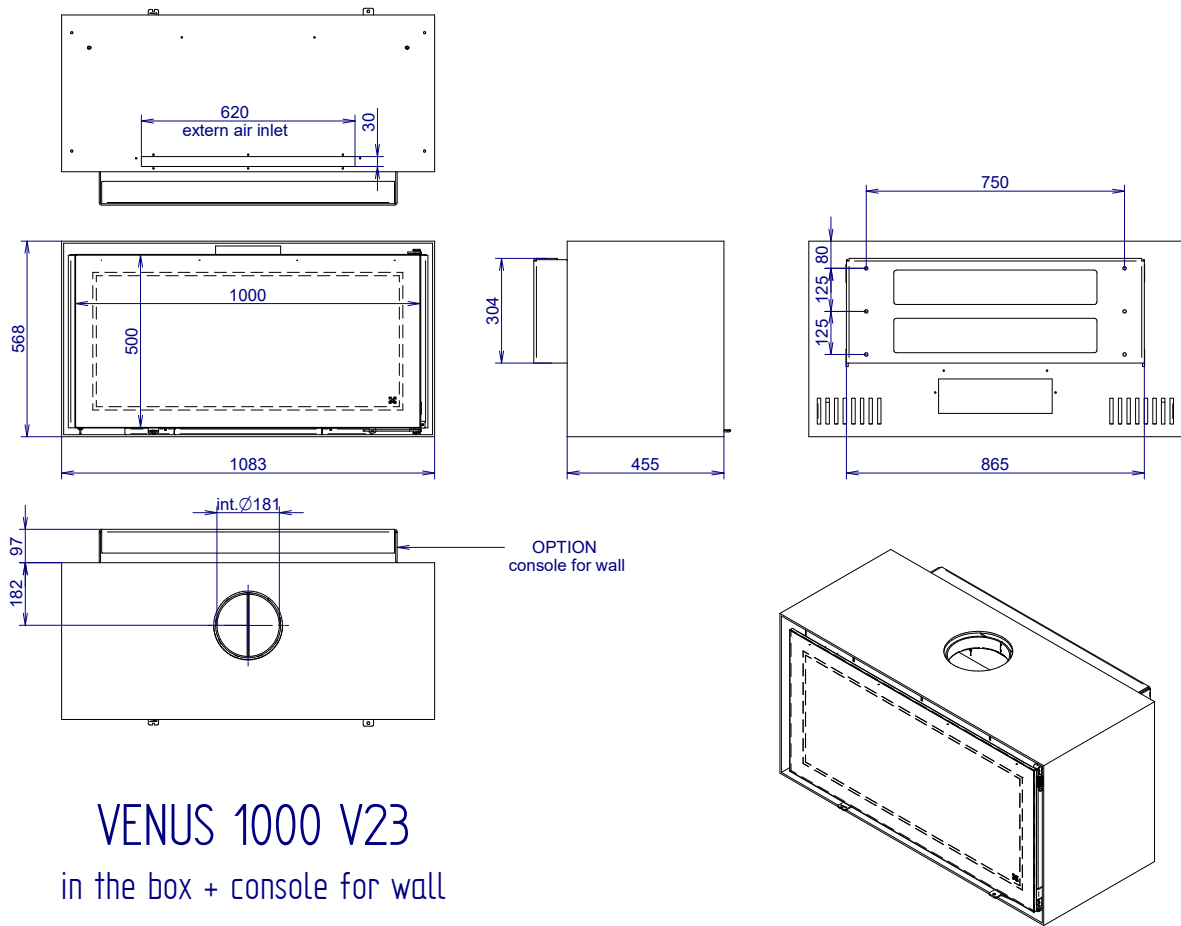
Venus 850 in the MBox



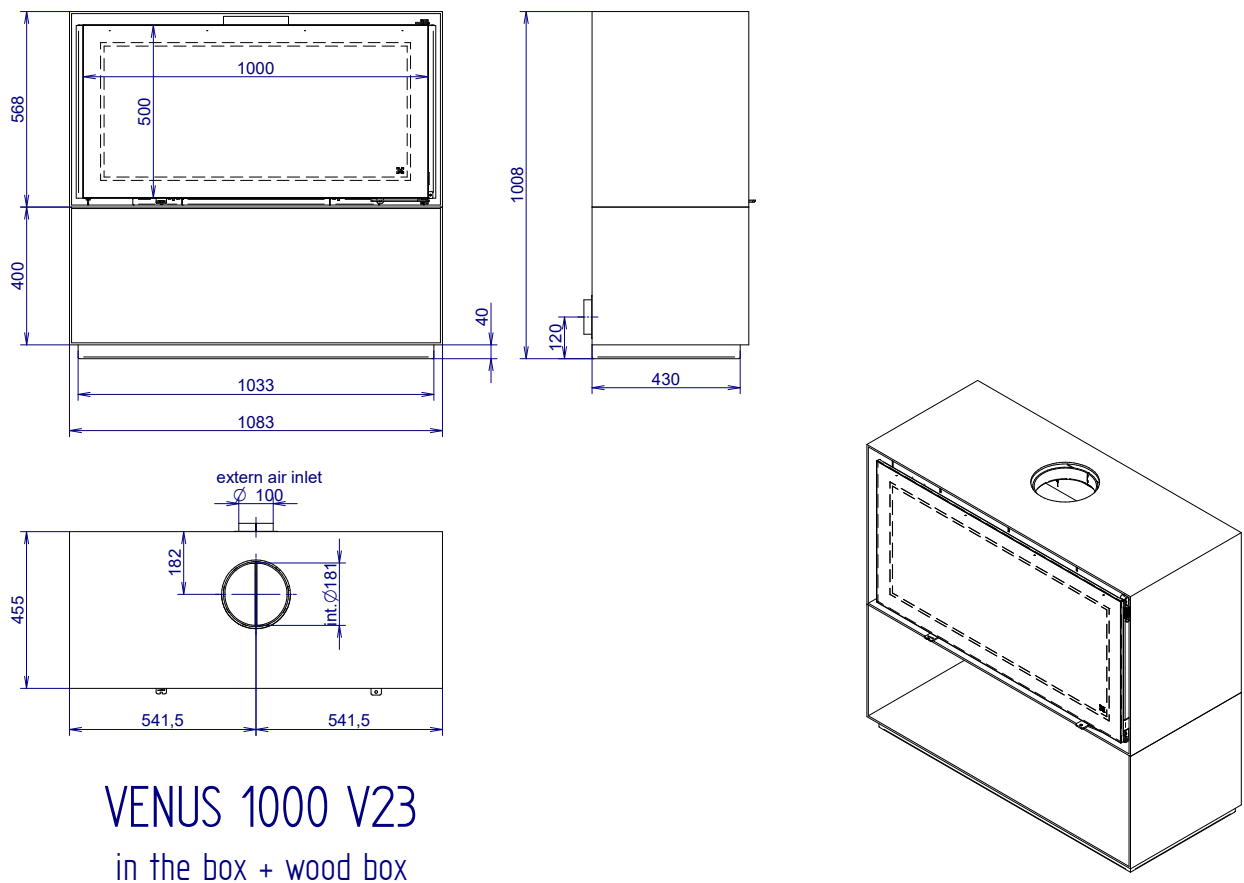
Venus 850 in the MBox + Woodbox



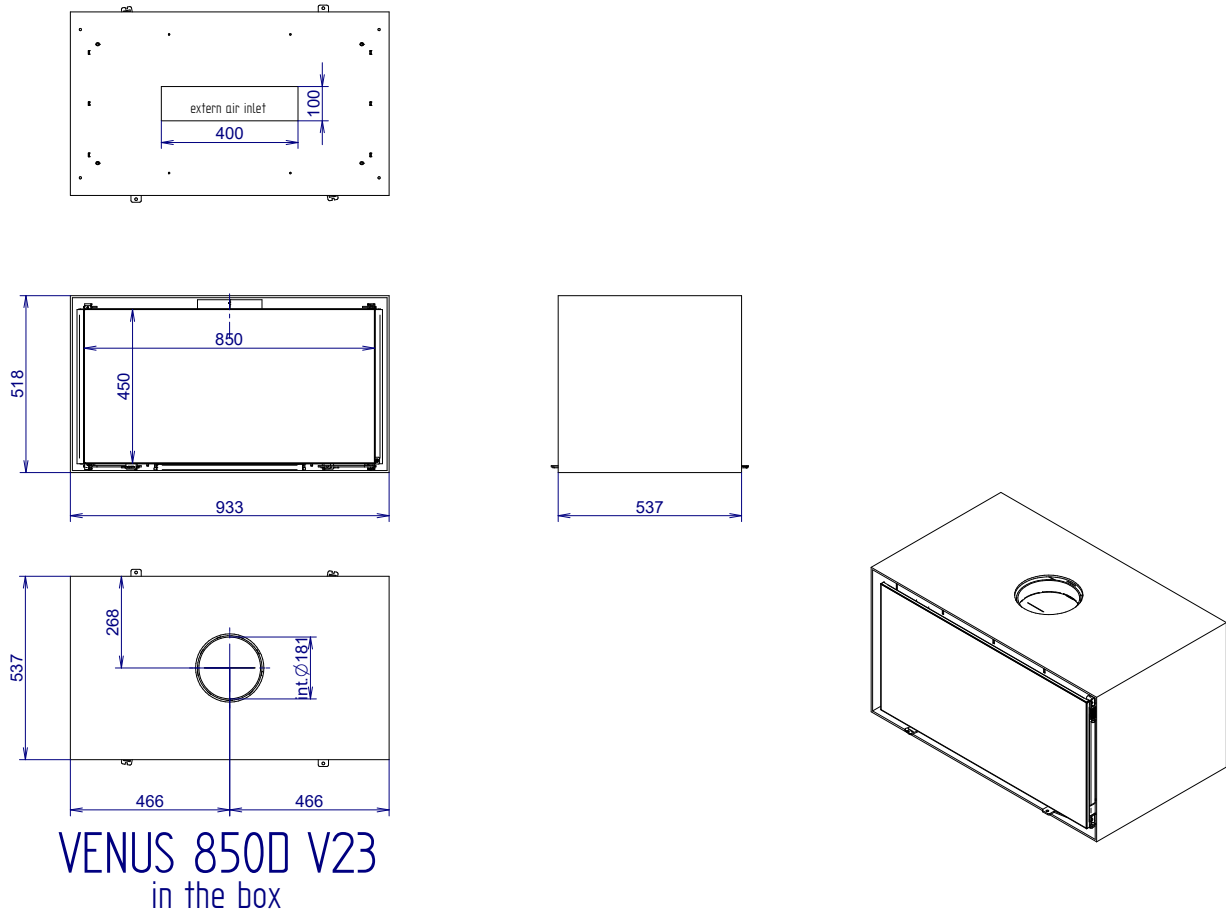
Venus 1000 in the MBox



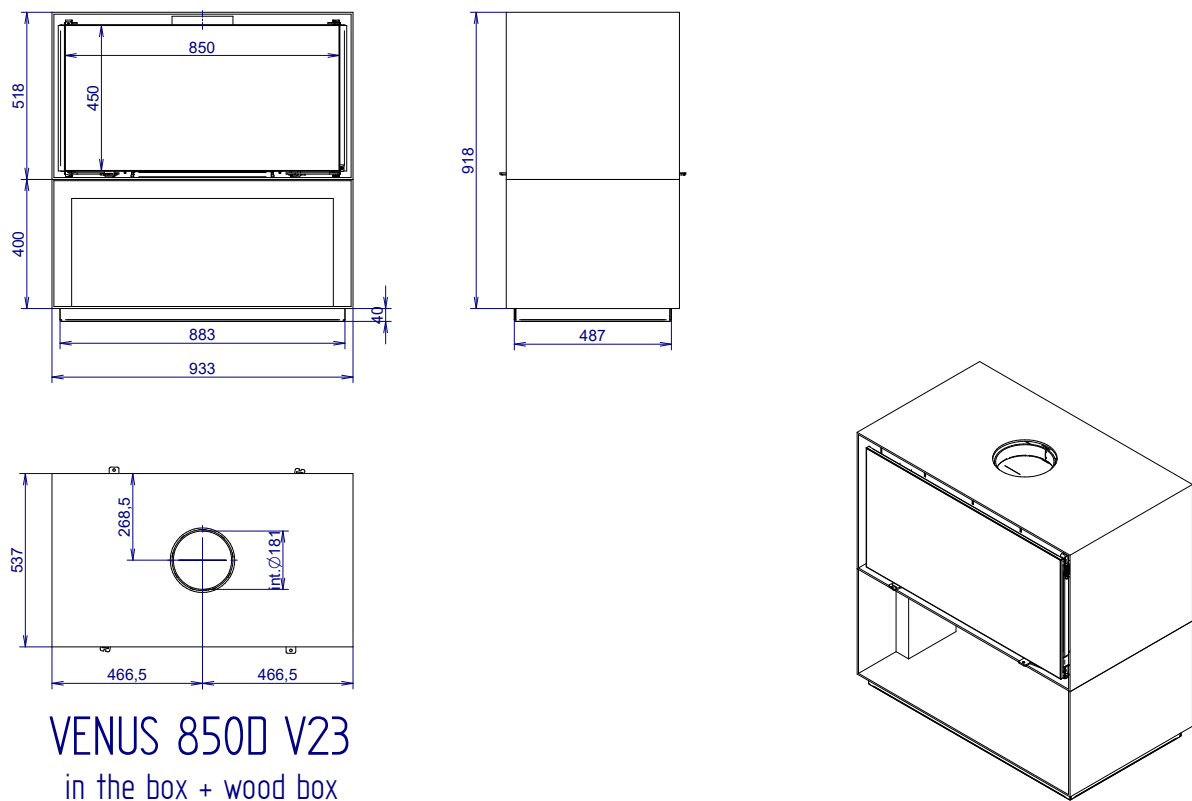
Venus 1000 in the MBox + Woodbox



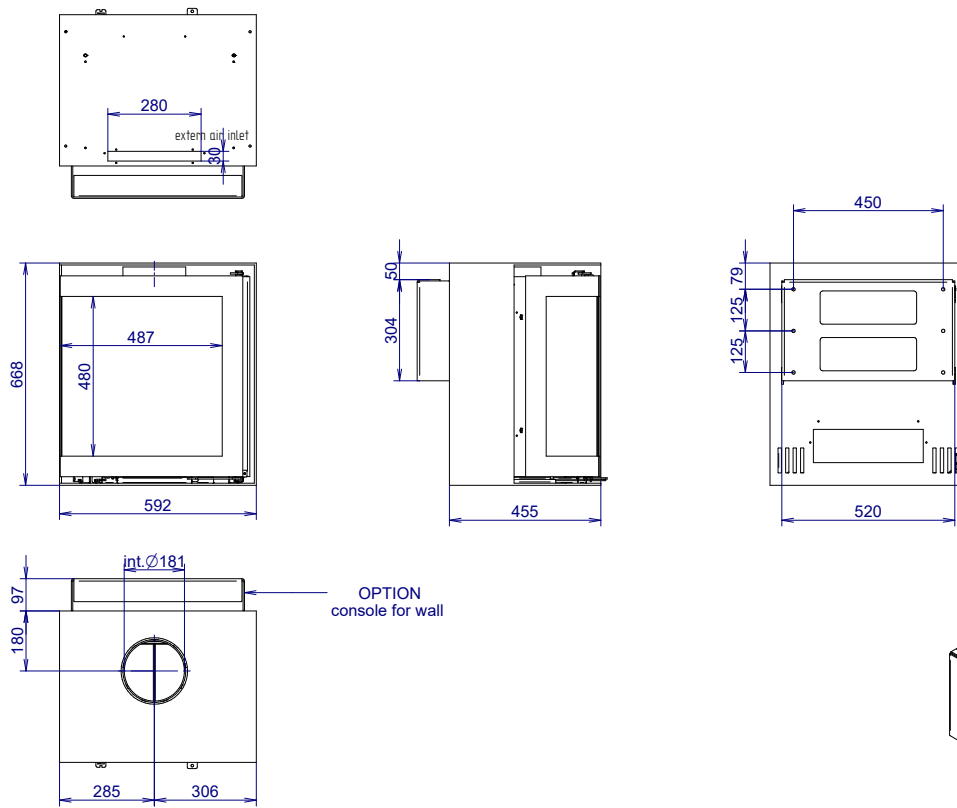
Venus 850D in the MBox



Venus 850D in the MBox + Woodbox

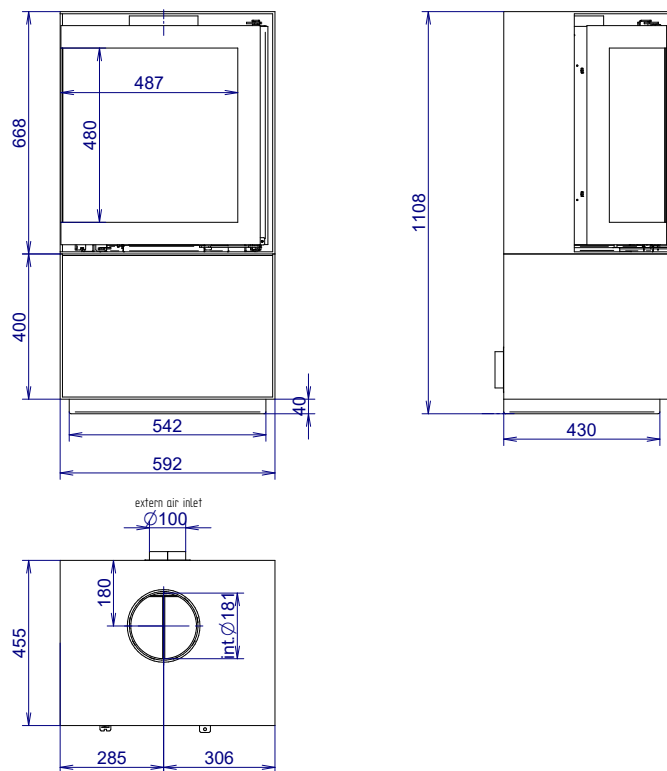


Venus 530CL in the MBox



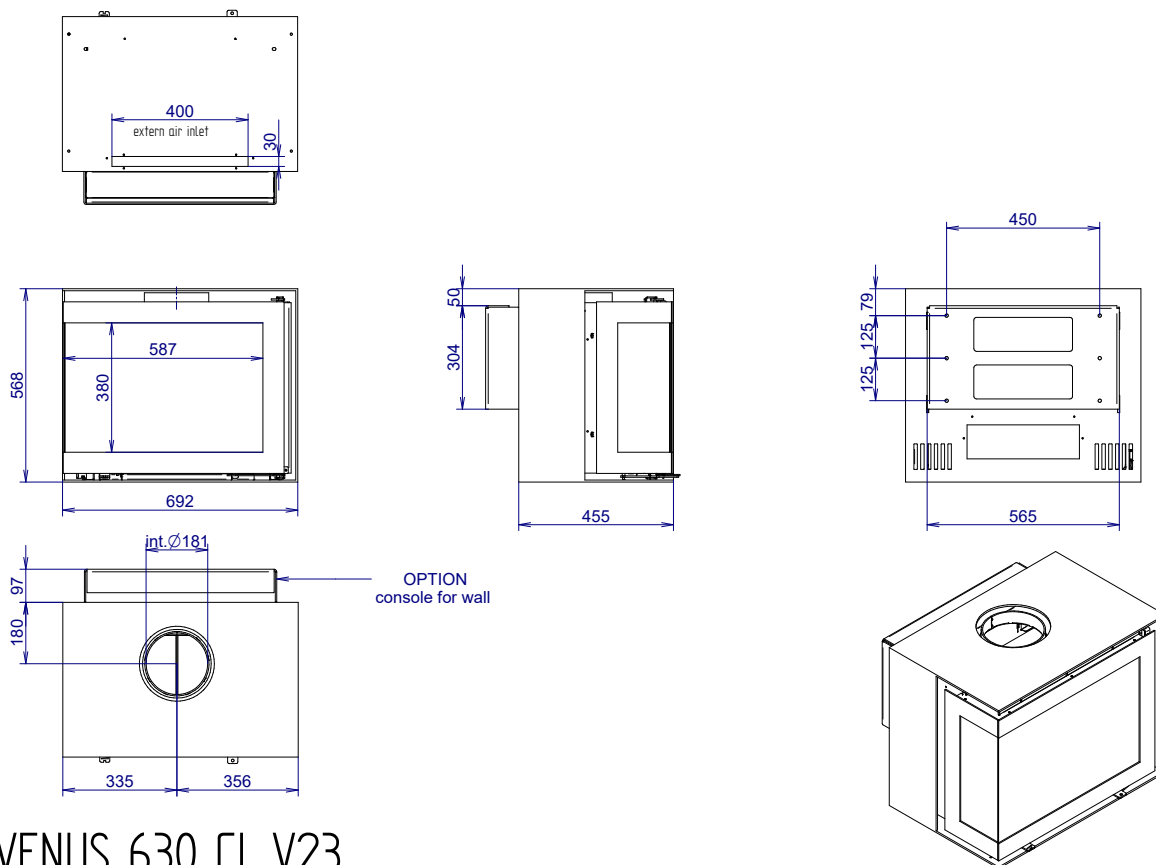
VENUS 530 CL V23
in the box + console for wall

Venus 530CL in the MBox + Woodbox



VENUS 530 CL V23
in the box + wood box

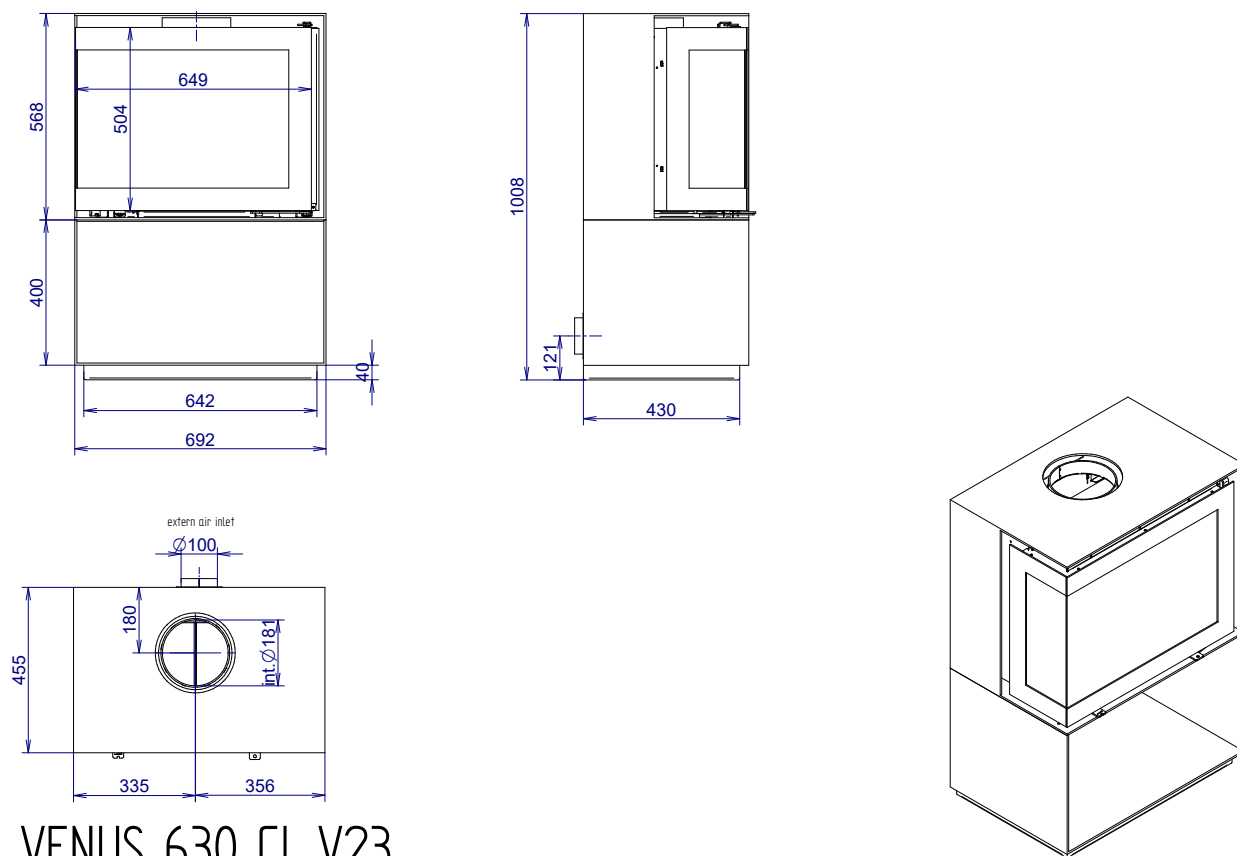
Venus 630CL in the MBox



VENUS 630 CL V23

in the box + console for wall

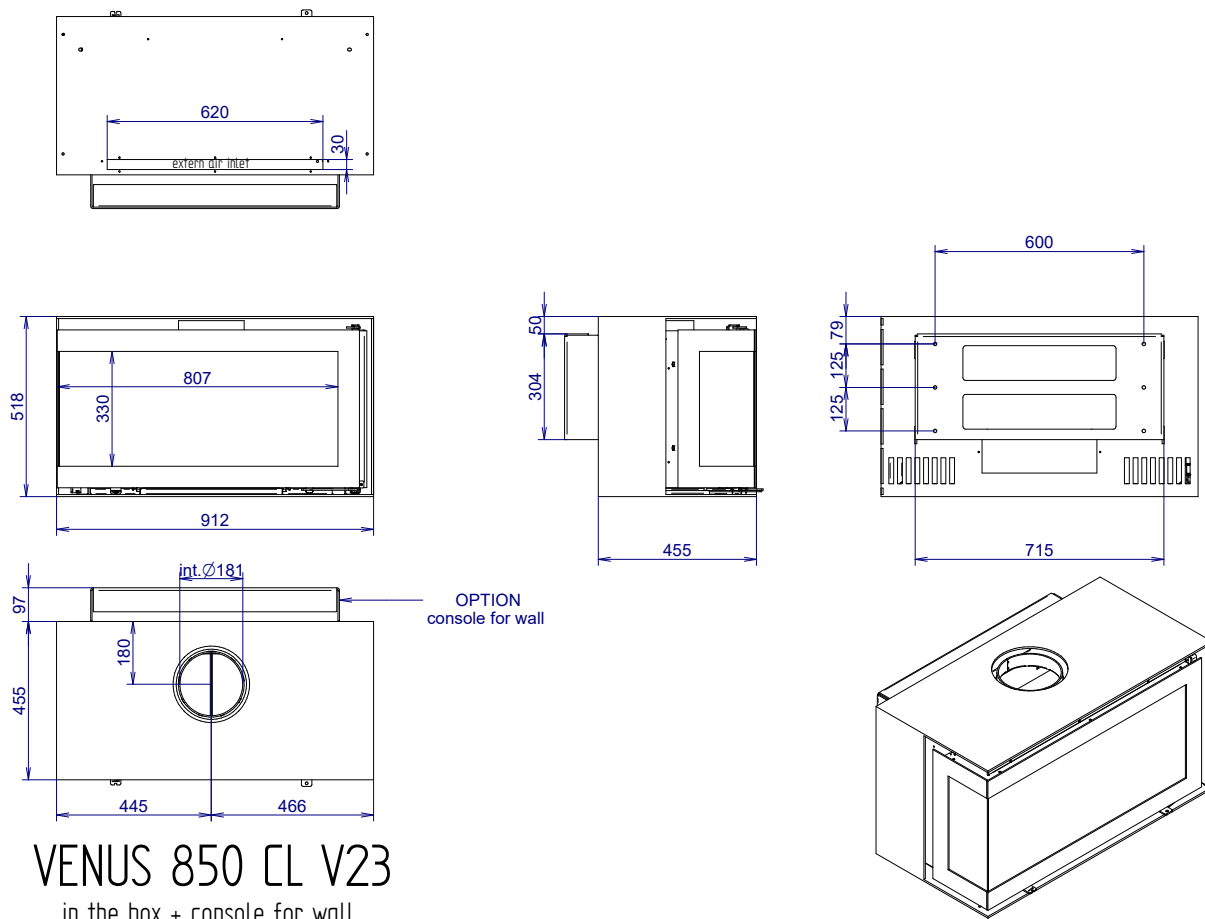
Venus 630CL in the MBox + Woodbox



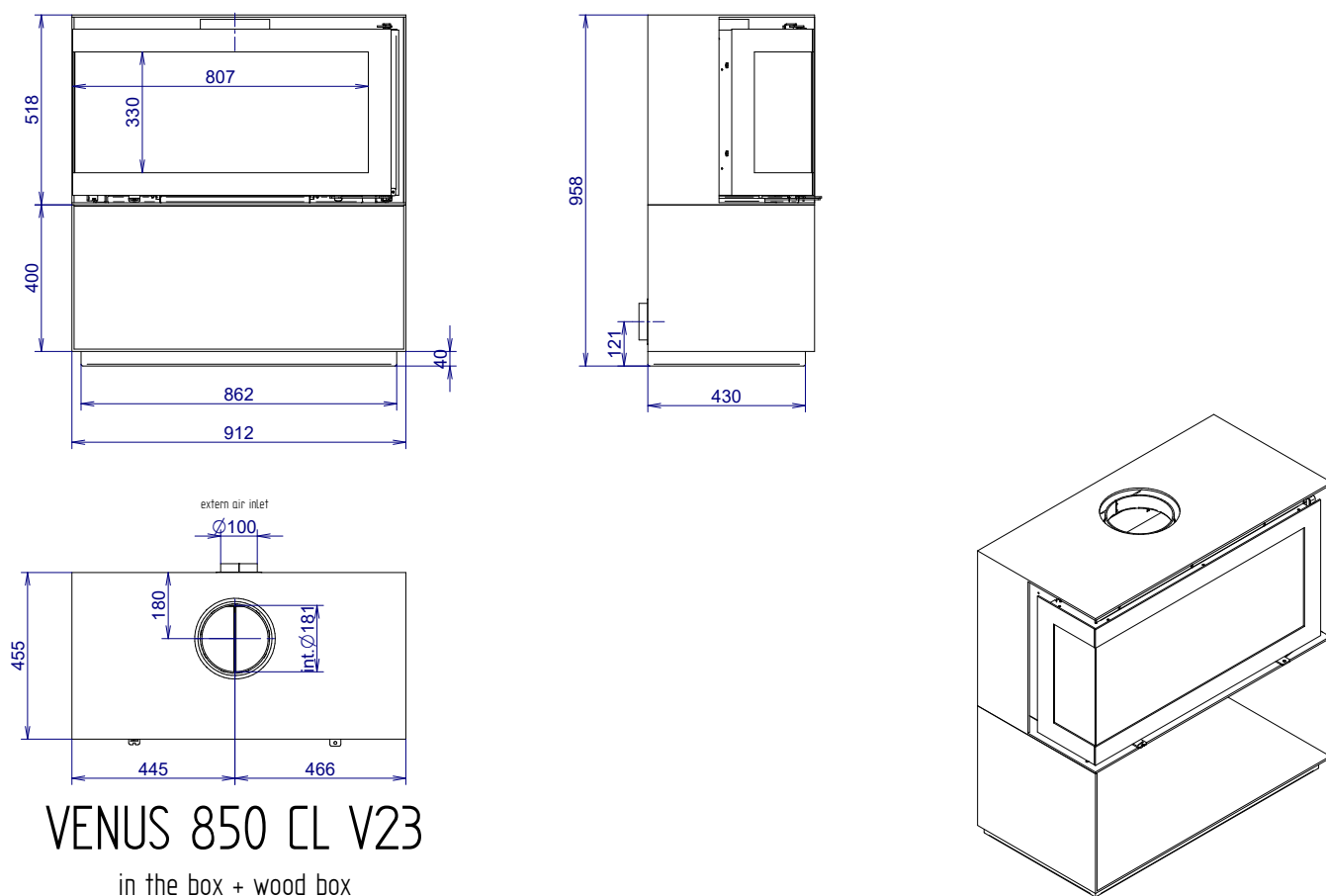
VENUS 630 CL V23

in the box + wood box

Venus 850CL in the MBox



Venus 850CL in the MBox + Woodbox



VENUS HT

INSTALLATION INSTRUCTIONS AND INSTRUCTIONS FOR USE



PASSION FOR FIRE

This product is not suitable for use as a primary heater

SUMMARY VENUS HT

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1. General

1.1 Transport and installation

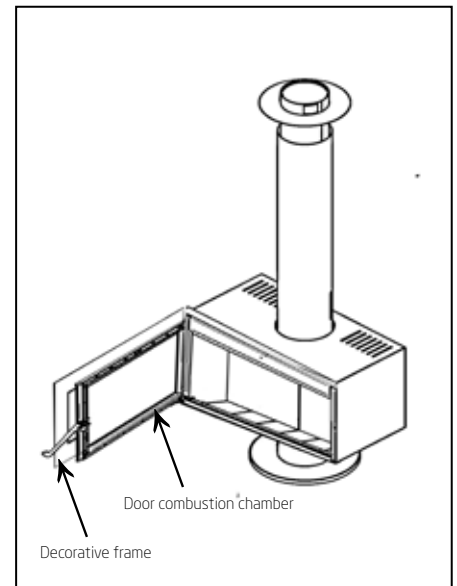
- Transport the Venus HT upright or in difficult cases at an angle of 45°.

OPENING AND CLOSING THE DOOR:

PROCEED SLOWLY WHEN OPENING THE DOOR WHEN THE FIRE IS ON. Opening the door too quickly causes smoke deposits in the room.

TO CLOSE DOOR: lift the handle, push the door against the combustion chamber and push the handle down until it is completely locked.

Close the decorative frame.



2. Installation

2.1 Installation operations

Your supplier is the specialist chosen by M-design to represent it in your region. For your safety and satisfaction, we recommend that you let him carry out the installation.

The appliance must be installed in accordance with the rules laid down and any local regulations. In the absence of appropriate regulations in Belgium, the French installation rules (D.T.U. 24.2.2) apply. If you nevertheless intend to carry out the work individually, we recommend that you

- refer to the terms and conditions of our guarantee contracts
- ask your supplier for advice.

2.2 Reception of the fireplace

1. Foot
2. Combustion chamber
3. Decorative tube
4. Chimney pot connection

2.2.1 Combustion chamber

The combustion chamber can slide completely out of the outer casing (see page 5: Venus)

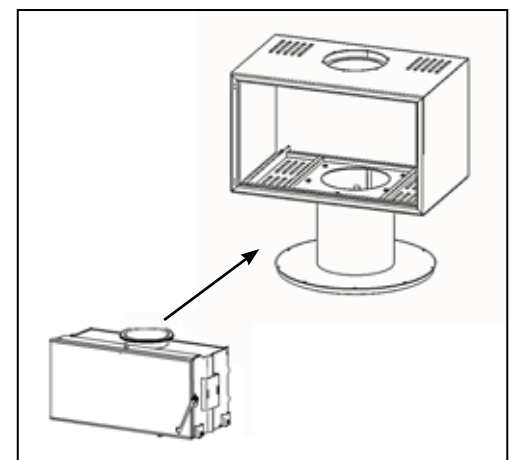
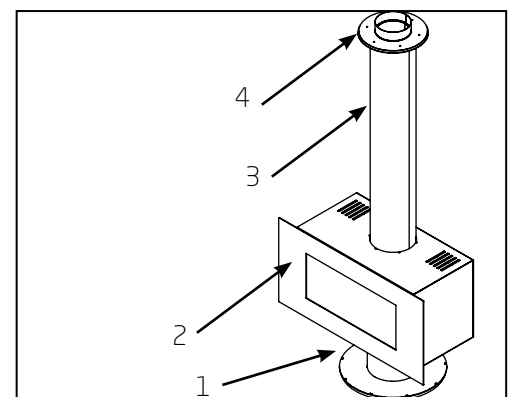
2.3 Chimney

The standard exhaust diameter of Venus HT is:

- Venus 700 HT - Ø150 mm
- Venus 850 HT - Ø180 mm
- Venus 1000 HT - Ø180 mm
- Venus 850DHT - Ø180mm

The chimney flue must be built under strict conditions:

- The duct must be thermally insulated.
- The angle of these changes in direction with the perpendicular should not exceed 45°.
- The exit of the chimney and its location are very important.
- An individual flue has no more than two changes of direction.
- Existing obstacles in the vicinity of the chimney exit must be taken into account.
- Connect a maximum of one appliance per chimney flue, choose the best one / close the unused one

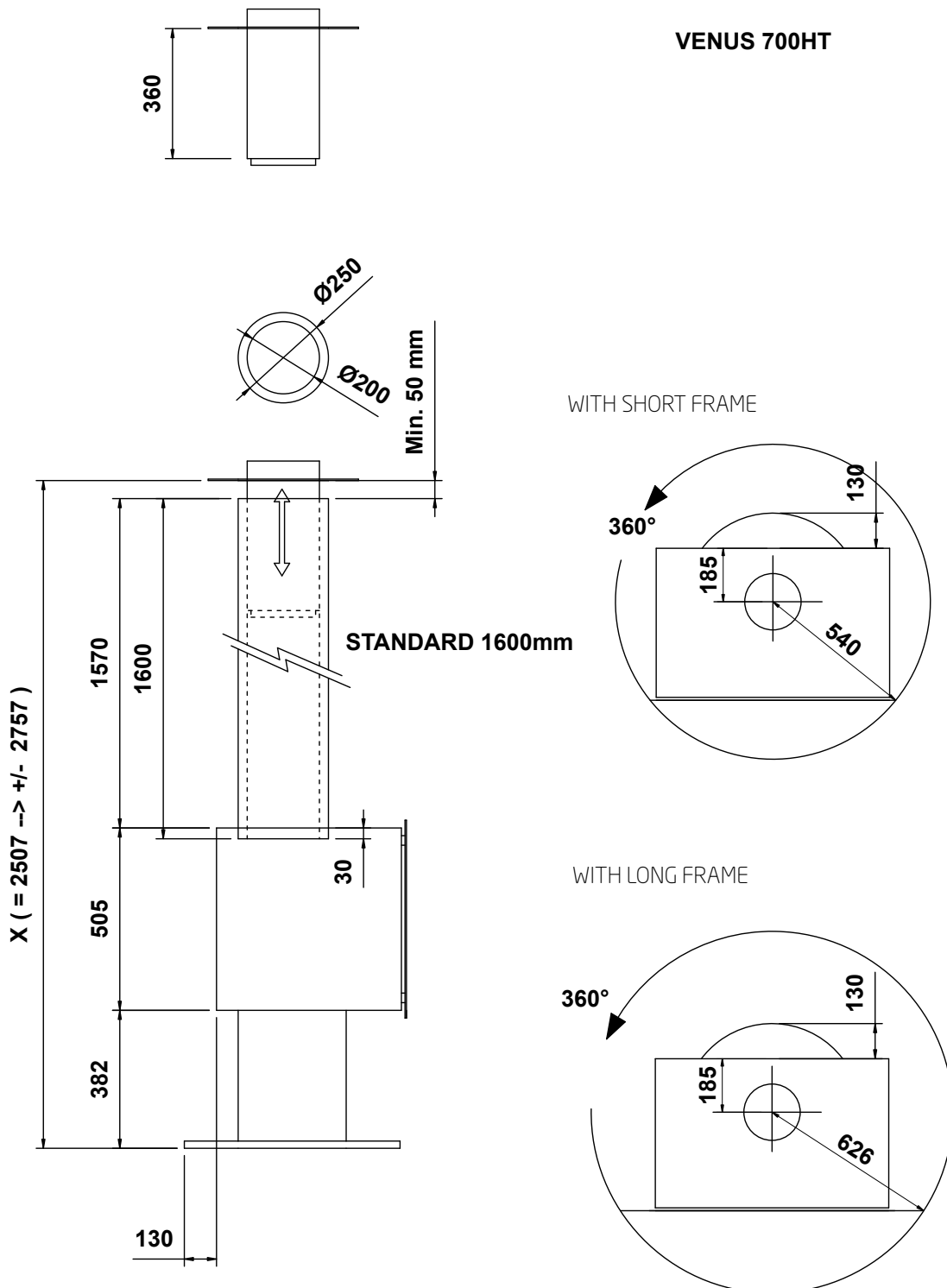


MINIMUM HEIGHT OF THE CHIMNEY IN TERMS OF ITS REDUCTION

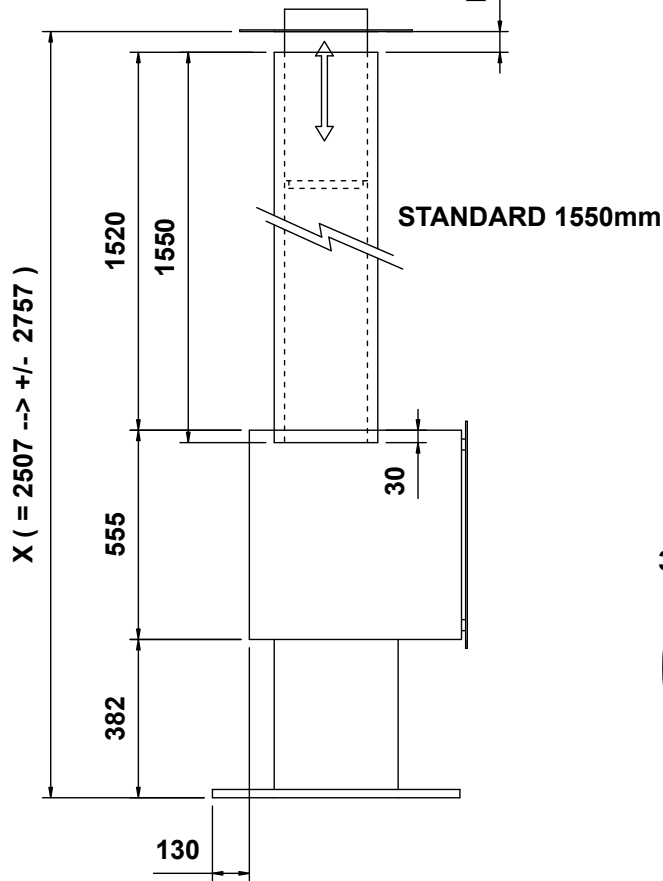
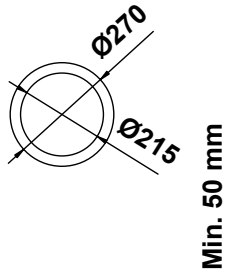
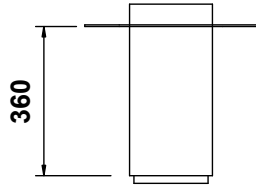
| | ∅ 200 | ∅ 180 | ∅ 150 |
|------------|----------|----------|----------|
| Venus 700 | | ≥ 4m (O) | ≥ 5m (S) |
| Venus 850 | ≥ 4m (O) | ≥ 5m (S) | |
| Venus 1000 | ≥ 5m (O) | ≥ 6m (S) | |
| Venus 850D | ≥ 4m (O) | ≥ 6m (S) | |

S = standard O = option

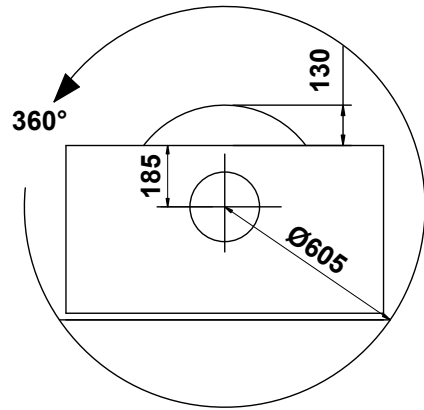
2.4 Dimensions decorative tube



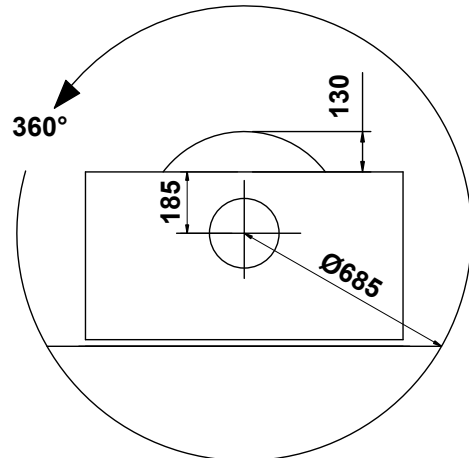
VENUS 850HT



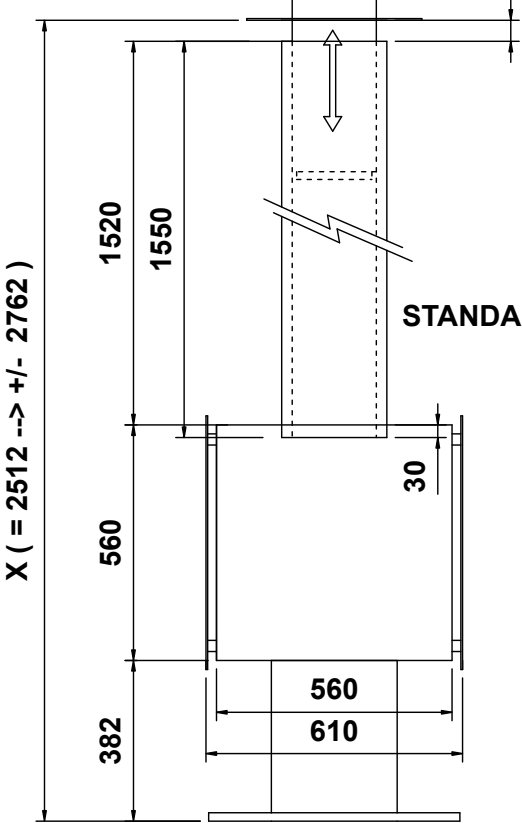
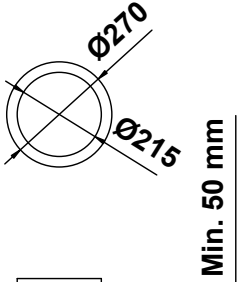
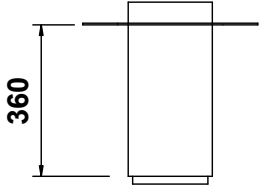
WITH SHORT FRAME



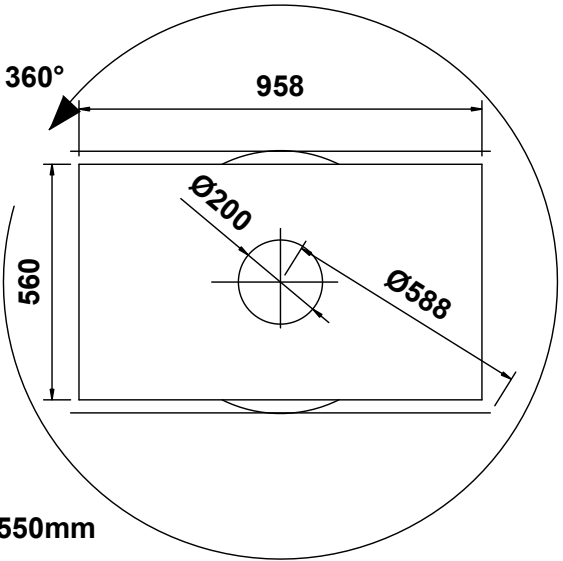
WITH LONG FRAME



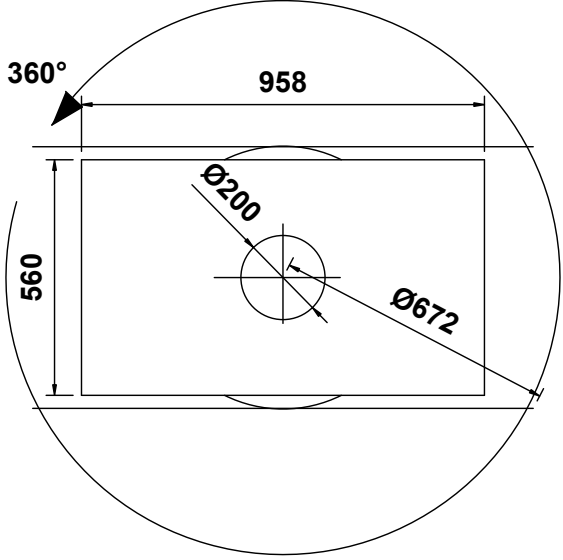
VENUS 850 DHT



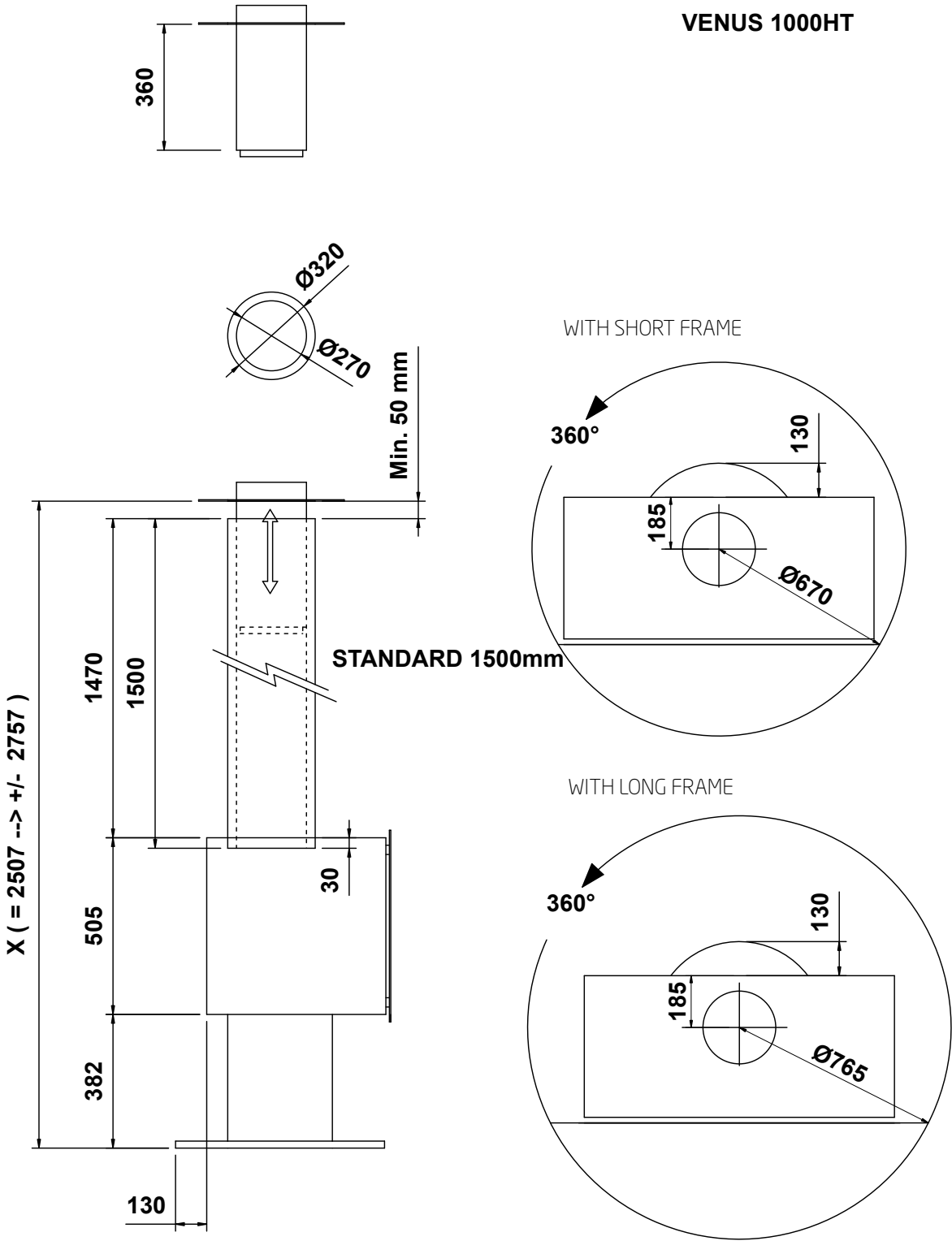
WITH SHORT FRAME



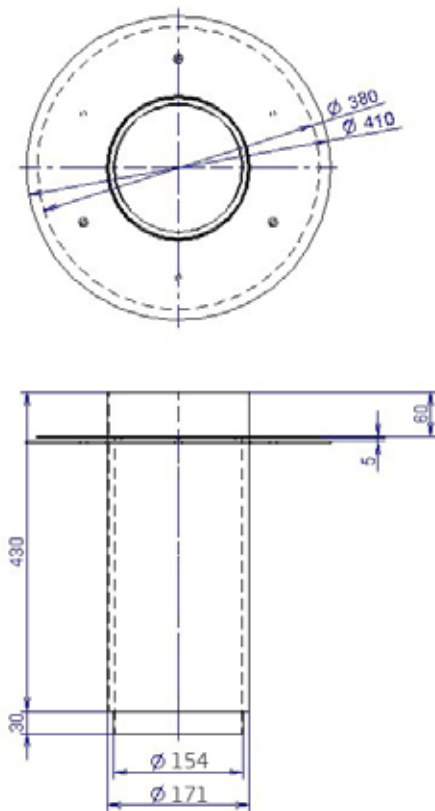
WITH LONG FRAME



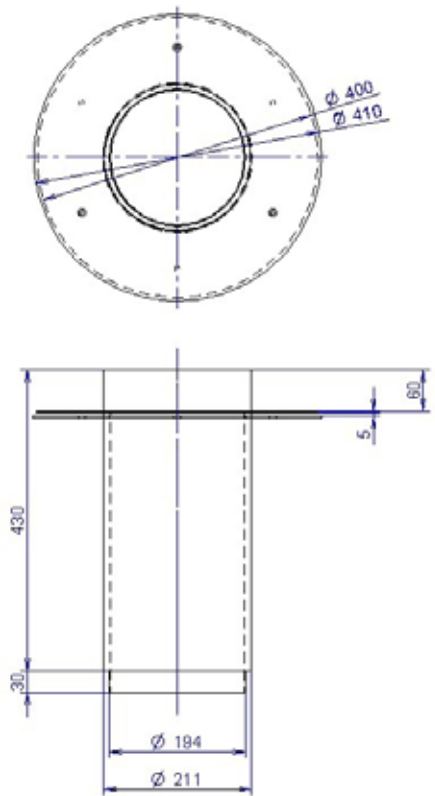
VENUS 1000HT



2.5 Ceiling piece



700HT



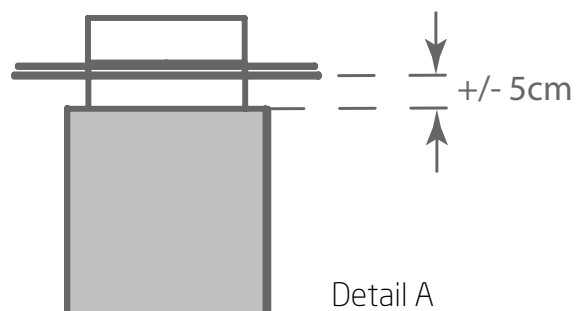
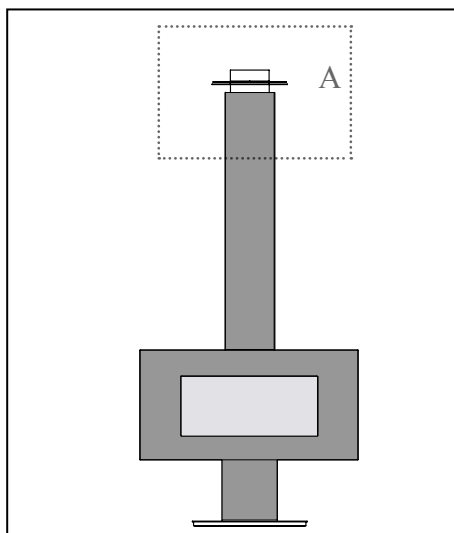
850HT/DHT
1000HT

2.6 CONNECTION

We recommend a solid stainless steel pipe for the connection. The device is supplied without this tube. As a result, you will have to provide a tube yourself.

2.6.1 Ceil Cing connection

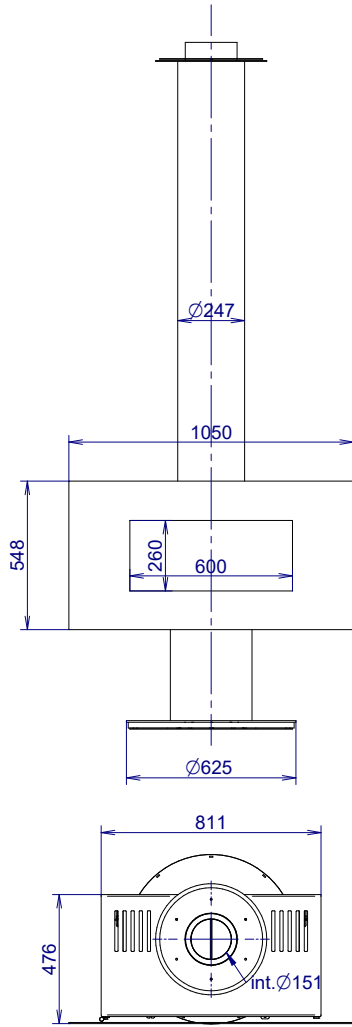
A minimum distance of 5 cm must be maintained between the ceiling connection and the decorative pipe. This is to guarantee a convection current.



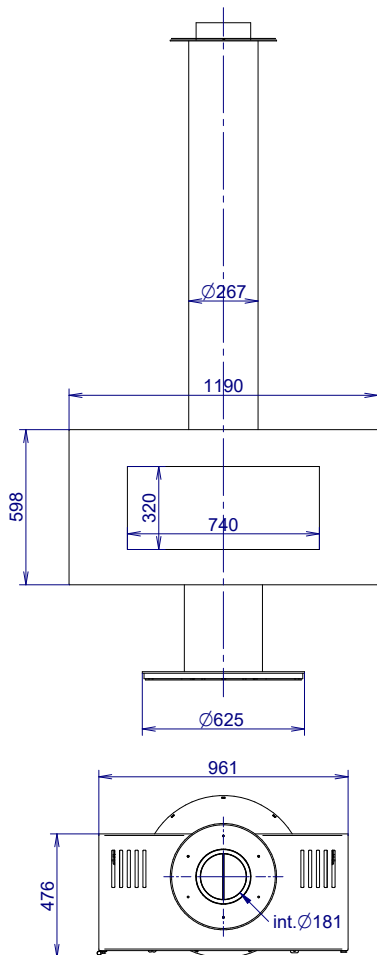
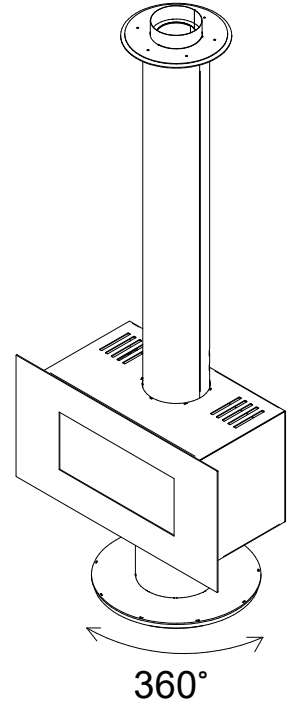
Detail A

- 2.7 Flue damper adjustment (page 11)
- 2.8 Removing the flue damper (page 12)
- 3. Minimum distances to be respected during installation (page 13)
- 4. Technical datas - specifications (page 14)
- 5. General recommendations and maintenance (page 15)
- 6. Warranty (page 15)

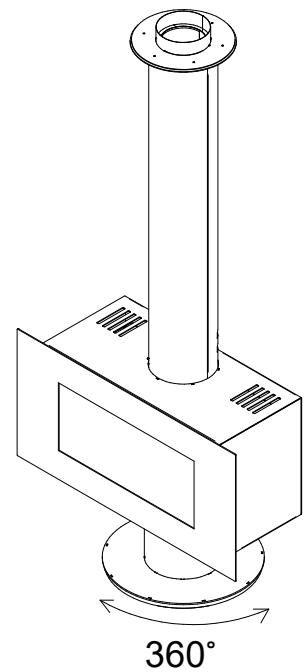
7. Drawings

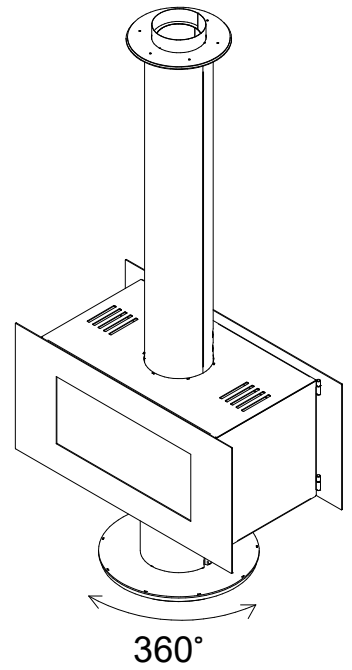
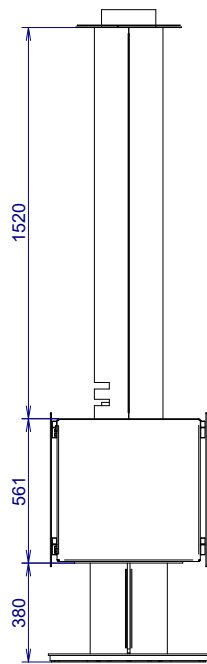
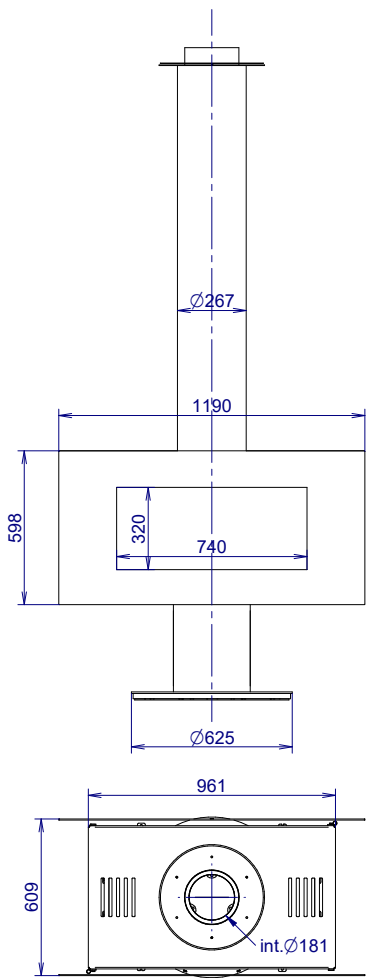


VENUS V23 700 HT

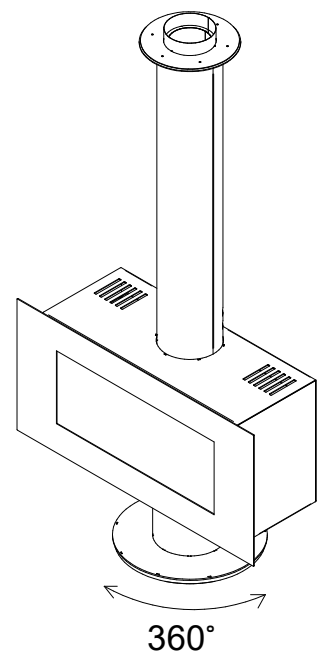
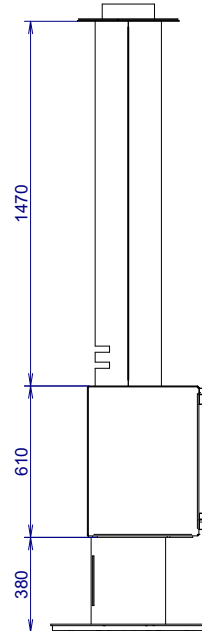
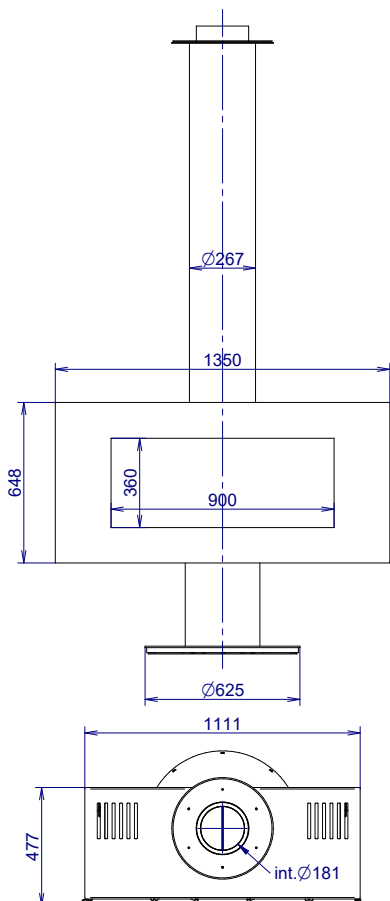


VENUS V23 850 HT





VENUS V23 850D HT



VENUS V23 1000 HT