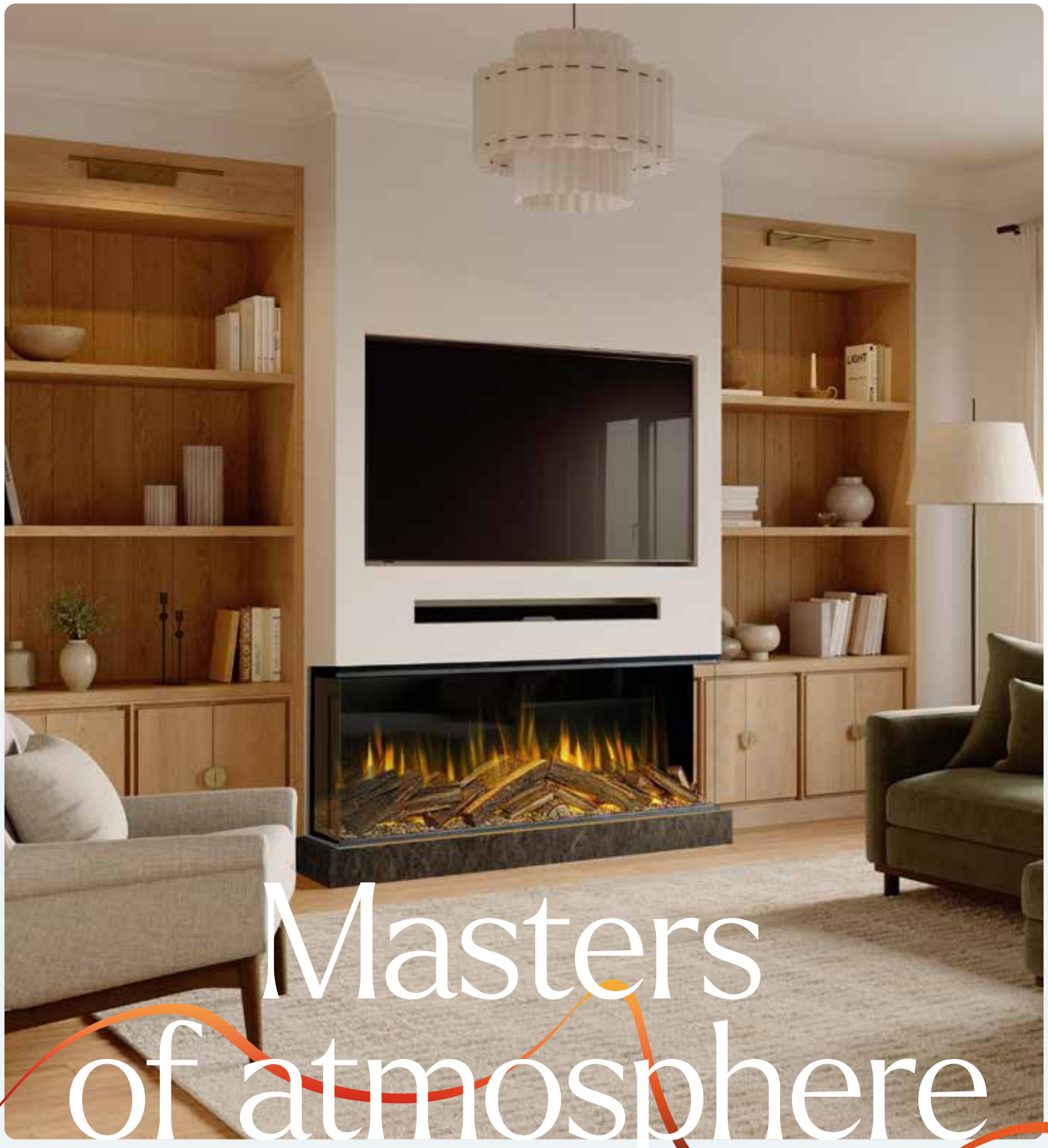
ELEMENT4

LUXURY FIREPLACES



Masters of atmosphere

Installation manual

VOLTA



This product is not suitable for use as a primary heat source

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1. CE declaration

This manual is intended to assist with the installation and continued operation of this product. This product complies with all health, safety and environmental protection standards as indicated by the CE marking. For optimum performance, this product requires a well-insulated location or occasional use.

We hereby declare that the design and construction of the Element4 electrical appliances comply with the essential requirements and regulations for electrical products.

Product:

- Electric decorative room heater

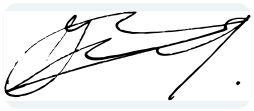
Model:

- Volta 80
- Volta 80H
- Volta 100
- Volta 125
- Volta 150
- Volta 150H
- Volta 180
- Volta 210
- Volta 240

All Element4 electric fires meet the requirements of the EC directives. These directives are met by compliance with the following standards:

- EN 55014-1:2006 + A2:2011
- EN 55014-2:2015
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 60335-1:2012 + A1:2014
- EN 60335-2-30:2009 + A11:2012

This declaration becomes invalid if modifications are made to the appliance without the written consent of Element4. You can request a copy of the test certificate from info@element4.nl.



J. Kempers
Managing Director

2. Warranty

Should this appliance develop defects within five years of purchase as a result of faults in design, materials or workmanship, the defective parts will be replaced free of charge. The warranty covers all parts of the Volta, with the exception of the glass, on presentation of the proof of purchase.

Any warranty is void if:

- unauthorised repairs or modifications have been made to the electric fire;
- the damage was caused by an accident, misuse or incorrect installation;
- the damage occurred during transport to or from the repairer;
- serial numbers have been altered or are missing.

Parts replaced under this warranty become our property. The company is not liable for consequential damage or any other damage arising from or in connection with this electric fire. Service visits where no defect is found and faults resulting from incorrect installation are not covered by the manufacturer's warranty. The costs of these will be charged. This warranty is in addition to, and does not affect, the statutory rights of the purchaser as a consumer.

3. Important safety information

Read all instructions before installing or using this electric fire and keep this booklet for future reference.

3.1 Child safety and vulnerable persons

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Children of less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children of less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.

Warning: Children of less than 3 years should be kept away from the fire unless continuously supervised.

Warning: Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.

Do not leave the fire unattended while it is in operation and children or dependent persons are present.

3.2 Hot surfaces and fire hazard

This fire becomes hot during use. To avoid burns, do not let bare skin touch hot surfaces. The surround of the air outlet becomes hot when the fire is in operation.

Danger: High temperatures may occur under certain abnormal conditions. Do not cover the front, the air inlets or the air outlet of the fire, either fully or partially, and do not block them.

Do not insert any objects into the ventilation or outlet openings and do not allow foreign objects to enter them. This may cause an electric shock, a fire or damage to the fire. Never use the fire to dry clothes or other items.

Never install the fire near curtains or combustible materials. All electric fires contain hot parts and parts that produce sparks or arcs.

Do not use the fire in rooms where petrol, paint or flammable liquids are used or stored.

Do not burn wood or other materials in the electric fire.

3.3 Location and environment

Do not place the fire immediately below a socket-outlet.

Never install or use the fire in places where it may come into contact with water, such as a bathroom or other wet room. Never place the fire where it could fall into a bath or other water container.

Do not use the fire outdoors.

Do not use aerosols or steam cleaners near the fire.

3.4 Electrical safety

Always connect the fire directly to an earthed socket-outlet. Never use an extension cable or a portable multi-socket adapter.

Do not modify the plug in any way. Always use a correctly earthed and fused socket-outlet that complies with local wiring regulations.

Always engage a certified electrician if new circuits or socket-outlets are required.

Never route the power cord along the air outlet of the fire. Do not run the power cord under floor coverings or carpet, and do not cover it with rugs, runners or similar materials. Keep the cord away from walkways so that nobody can trip over it.

If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Switch off the controls and switch off the fire's circuit at the consumer unit to isolate the appliance.

Caution: Do not connect this appliance through an external switching device, such as a timer, or to a circuit that is regularly switched on and off by the utility. This prevents a hazard due to inadvertent resetting of the thermal cut-out.

3.5 Use, cleaning and maintenance

Only use the fire as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock or injury.

Do not strike the glass of the fire.

Fully disconnect the fire from the power supply before cleaning, servicing or moving it.

Never remove the surround of the fire before the electrical supply has been disconnected.

In the event of a fault, switch off the power at the consumer unit and have the fire inspected by a qualified electrician before using it again.

Note: Changes or modifications not expressly approved by the manufacturer may void the conformity of the appliance and the right to warranty.

4. Connection

4.1 Electrical connection

This appliance is supplied with a two-metre power cord with an earthed plug (type CEE 7/7). Only connect the appliance to an earthed socket-outlet with an alternating current supply of 230 V AC, 50 Hz. Before connecting, check that the mains voltage matches the value on the rating plate of the fire. The fire must be connected to a circuit suitable for the power consumption; see the rating plate.

Make sure the socket-outlet is outside the recess of the fire, so that it remains accessible after installation and the plug can be disconnected.

Only fit the surround after the fire has been fixed to the wall and connected to the socket-outlet.

The wires in the power cord are coloured in accordance with the standard:

- GREEN/YELLOW – EARTH
- BLUE – NEUTRAL
- BROWN – LIVE

If the fire is permanently connected, the wires must be connected to the corresponding terminals: green/yellow to the earth terminal (E or the earth symbol), blue to the neutral terminal (N) and brown to the live terminal (L). A permanent connection may only be made by a qualified electrician.

4.2 On/off switch

The on/off switch (rocker switch) is located on the front of the fire, at the top right of the glass. See **figure 4.1**.

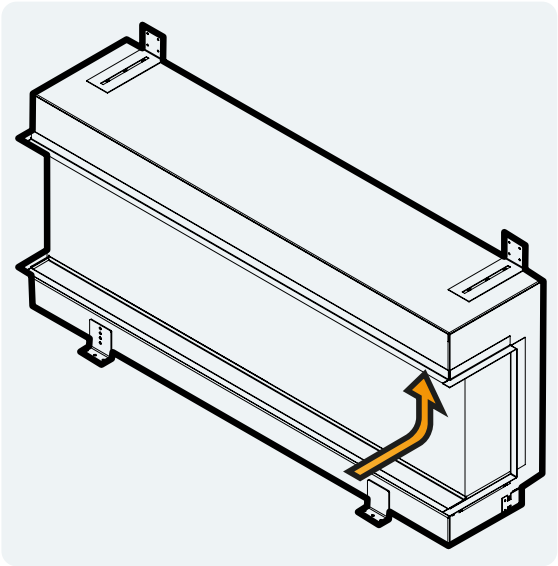


Figure 4.1 On/off switch

5. Installation

This product is designed to be built into a plasterboard construction or an existing masonry chimney breast.

Always have the structural load-bearing capacity of the installation location assessed by a professional.

If the product is installed in an existing chimney or flue, seal it off. An open chimney causes up- and downdraughts and lets debris fall, changing or restricting the airflow to the product.

5.1 Clearance around the product

Clearance must be maintained around the product so that the air required by the heating element can circulate. Observe the dimensions in **figure 5.1**. This applies in particular to built-in fires, as the top can become hot.

In addition, provide the recess with a ventilation opening of at least 100 cm². If the clearances or the ventilation opening are not observed, the heating and flame functions may malfunction.

Never seal the product into the recess with silicone sealant or adhesive. This alters the airflow and hinders later maintenance of the product.

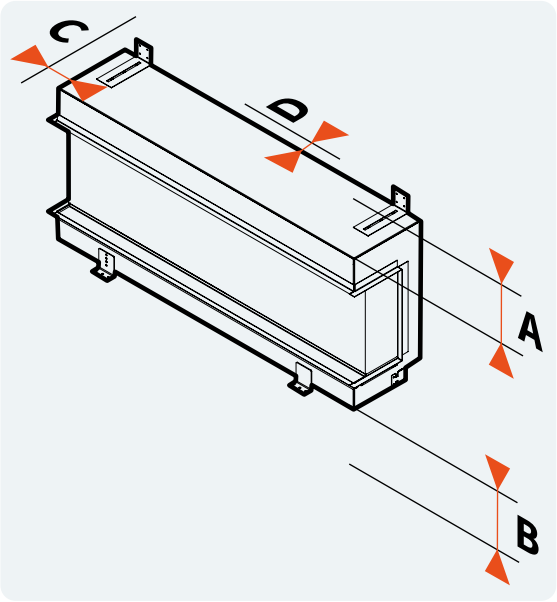


Figure 5.1 Minimum clearance around the product

A	Clearance above the product: at least 50 mm
B	Clearance below the product: at least 50 mm
C	Clearance behind the product: at least 15 mm
D	Clearance at the sides of the product: at least 15 mm

5.2 Product dimensions

The dimensions of your model can be found in **appendix A**.

When determining the depth of the frame construction, take into account the thickness of the finish at the front.

5.3 Installation method

Every Element4 fire is supplied with one or more wall-mounting brackets.

1. Determine the height above floor level at which the

finished fire is to be positioned.
2. Build the recess to the required dimensions, observing the clearances in **figure 5.1**.
3. Fit a lintel at the required height so that the weight of the wall above the recess does not rest on the appliance.
4. Make sure the socket-outlet is outside the recess, so that it remains accessible after installation.
5. Fix the wall bracket to the wall. Use fixings suitable for the type of wall: hollow or solid.
6. Hang the fire on the bracket and secure it at the top with the wall bracket.
7. Connect the IEC power cable to the IEC connector and push the plug firmly home.
8. Make the cut-out in the plasterboard or finishing board and position the fire so that the edges of the board meet the inside of the cut-out.

5.4 Heating element cut-out

The fire is fitted with a self-resetting thermal cut-out that automatically switches off the heating element if the airflow is restricted, for example by incorrect installation or an obstruction. This prevents damage to the product.

Proceed as follows:
1. Disconnect the fire from the mains.
2. Remove the obstruction and check the installation.
3. Allow the product to cool for approximately 10 minutes. The thermal cut-out resets itself.
4. Reconnect the fire.

Note: the heater fan produces a quiet sound. This is normal during operation.

6. The one-box system

Every Volta is supplied as a one-box system: one box that lets you choose from four configurations, depending on which sides are glazed. These are the front model, two corner models (left and right) and the three-sided model.

The fire is supplied as a front model as standard. The side glass is already fitted at the factory and covered on both sides by a side panel and a plaster profile. You therefore do not need to fit any glass for the conversion: you only remove the side panel on the side that is to be open.

6.1 Contents of the box

Check the contents of the box before you start the conversion. The item numbers in this chapter refer to **figure 6.1**.

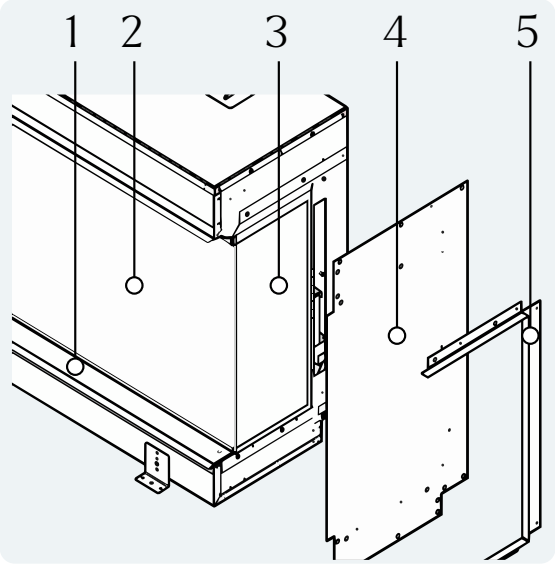


Figure 6.1 Parts of the one-box system

6.2 Conversion to a corner or three-sided model

For a corner model, carry out steps 2 to 4 only on the side where the glass is to be exposed. For a three-sided model, carry out these steps on both sides.

6.2.1 Step 1: Remove the front glass

Remove the lower front glass profile (item 1) and the front glass (item 2) as described in 8.1.

6.2.2 Step 2: Remove the plaster profile

1. Undo the screws of the plaster profile (item 5) with a Phillips screwdriver (not supplied).
2. Remove the plaster profile from the side of the appliance.

Caution: keep the screws. You will use them again in step 4.

6.2.3 Step 3: Remove the side panels

1. Undo the screws of the side panel (item 4).
2. Remove the left or right side panel from the appliance. This exposes the side glass.

Caution: keep the side panel and the screws. You will need them if you later convert the fire back to another configuration.

6.2.4 Step 4: Refit the plaster profile

Refit the plaster profile (item 5) to the same fixing points using the screws you kept in step 2.

6.2.5 Step 5: Refit the front glass

Refit the front glass (item 2) and the lower front glass profile (item 1) as described in 8.2.

Before installing the fire, check that the front and side glass fit evenly all round and that all screws are tightened.

7. Controls

7.1 Control options

You can operate all functions of the fire in two ways: with the remote control or with the E-smart+ app. The remote control is paired at the factory and ready to use.

If you want to operate the fire with the app, your router and your smartphone or tablet must meet the following requirements.

- **Router:** compatible with IEEE 802.11n/g/b, WPA2 encryption, 2.4 GHz band, automatic channel selection and UDP support. The distance between the router and the fire is at least 70 cm.
- **Smartphone or tablet:** iOS 15.6 or later, or Android 10 or later.

Caution: download the E-smart+ app. Other apps such as E-smart or E-smart Cloud do not work with this fire.

7.2 Remote control

7.2.1 Pairing the remote control

The remote control is paired at the factory. Pairing again is only necessary after a factory reset or when the remote control is replaced.

1. Switch on the fire with the rocker switch. Fifteen to twenty seconds later you will hear a beep; you then have 60 seconds to pair.
2. Within those 60 seconds, press and hold the Heating on button for 5 seconds until you hear a second beep. Pairing is complete.

7.2.2 Remote control buttons

1. Fire on/off
2. Change log colour effect
3. Log brightness down
4. Log brightness up
5. Temperature up 1 °C
6. Temperature down 1 °C
7. Heating on
8. Timer 15 minutes longer
9. Timer 15 minutes shorter
10. Change ember bed effect
11. Ember bed brightness up
12. Ember bed brightness down
13. Flame brightness: rocker button up or down
14. Flame movement speed: rocker button up or down
15. Thermostat high (32 °C)
16. Thermostat medium (22 °C)
17. Thermostat low (12 °C)

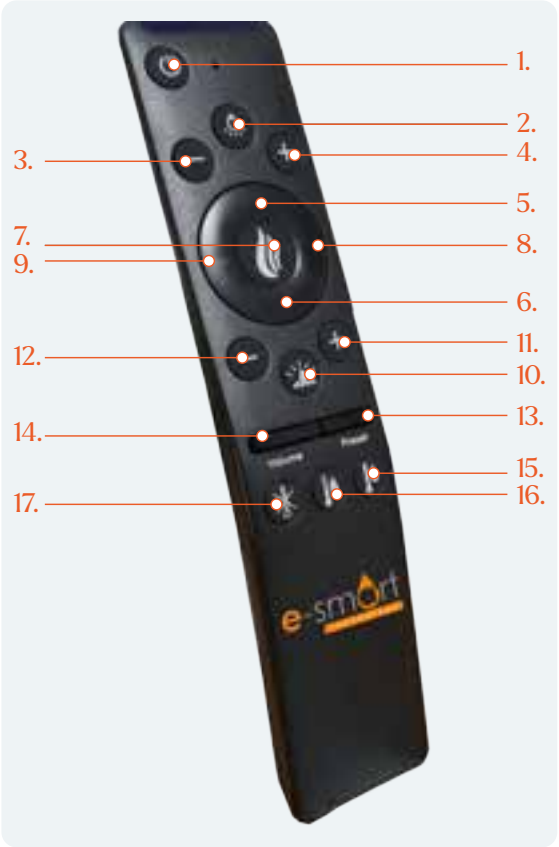


Figure 7.1 Remote control

7.2.3 Adjusting the brightness

The brightness of the logs and the ember bed has five settings: 0, 25, 50, 75 and 100 per cent. Each press of the minus or plus button changes the brightness by one step of 25 per cent.

The flame brightness and the speed of the flame movement are infinitely adjustable: push the relevant rocker button up or down until the required setting is reached.

7.2.4 Factory reset

A factory reset is necessary if you entered an incorrect e-mail address or password when setting up the app, and if you change internet provider or router. The reset can only be carried out with the remote control.

1. Press and hold the Change log colour effect button until you hear a beep.
2. Then press and hold the Change ember bed effect button until you hear another beep. The fire is now restored to the factory settings.

Caution: carry out the factory reset before you cancel your existing internet connection or replace your router.

7.3 E-smart+ app

7.3.1 Downloading the app and creating an account

1. Search for E-smart+ in the App Store or Google Play and install the app.
2. Open the app and tap Sign Up. Enter your e-mail address, choose a password, confirm the password, accept the privacy policy and tap Registration.
3. You will receive a verification code by e-mail. Enter this code in the app and tap Submit. Your account is now activated.

7.3.2 Connecting the fire

1. Make sure the fire is switched on and Bluetooth is enabled on your phone or tablet. Tap Add New Fireplace.
2. The app searches for the fire via Bluetooth. As soon as the fire is found, a green tick appears.
3. Select your Wi-Fi network from the list and enter the Wi-Fi password.
4. The connection is established. This takes 30 to 60 seconds. The fire switches off briefly during this process and then on again. The app then opens the home screen.

7.3.3 Home screen

The home screen shows the name of the fire, the set temperature, the actual temperature and the strength of the Wi-Fi signal. On the right you switch the fire and the heating on and off. The settings icon at the top right opens the settings.

Tap the temperature in the middle of the screen to open the heating screen.

7.3.4 Heating

In the heating screen you switch the fire and the heating on and off and set the temperature. At the bottom of the screen you go to the theme and timer screens.

7.3.5 Theme

In the theme screen you set the flame effect. Use the drop-down menus to choose a style for the flame, the logs and the ember bed, or tap the colour wheel to choose your own colour from the spectrum. Use the sliders to adjust the individual parts of the flame effect.

7.3.6 Timer

Tap the plus sign to add a timer. First choose whether the timer applies to the fire or to the heating. Then set the start and end time in 24-hour format and select the days on which the timer applies. Tap Save to save the timer.

7.3.7 Account settings and shared access

Tap the settings icon at the top right to open the account settings. Here you change your e-mail address, add a phone number for account recovery, choose a language and log out.

With shared access you invite members of your household by e-mail. They create their own account and can then fully operate the fire via the app, without going through the setup again.

7.3.8 Connection problems

If you cannot connect the fire, refer to the E-smart+ app manual. You can download it from the Element4 website. If the connection still fails, contact the service department.

7.4 Voice control

If the fire is connected via the E-smart+ app, you can also operate it with voice commands via Amazon Alexa or Google Home. You link the fire to the voice assistant using the login details of your E-smart+ account.

Caution: Google Home cannot control the heating. Via Google Home you can only switch the fire on and off and change the flame effect.

The voice commands are in English.

For linking and the full list of voice commands, refer to the E-smart+ app manual, which is supplied with the fire and can be downloaded from the Element4 website.

8. Opening the fire

You open the fire to place the logs, for maintenance and to convert the back panel.

Disconnect the fire from the mains before removing the glass.

Warning: Do not remove the front glass without protection if the fire has been in operation. The frame and other parts of the fire may be hot. Allow the fire to cool down completely before you start.

8.1 Removing the front glass

1. Remove the lower front glass profile.
2. Partially undo the screws of the upper front glass profile so that the front glass has some play.
3. Place the supplied suction cup on the front glass and carefully pull the bottom towards you until the glass comes free.
4. Remove the front glass from the appliance and place it on a protected surface.

Caution: wear gloves and, for the larger models, get help from a second person.

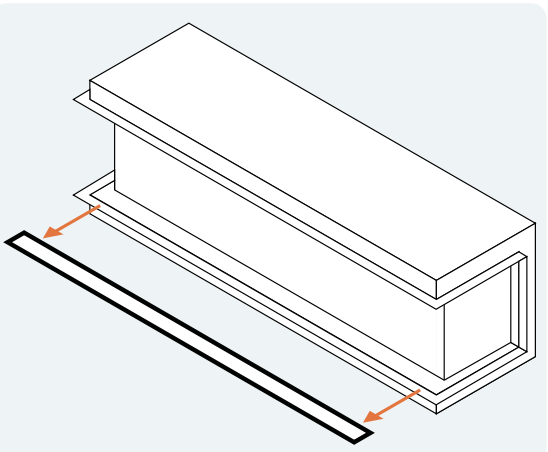


Figure 8.1 Removing the lower front glass profile

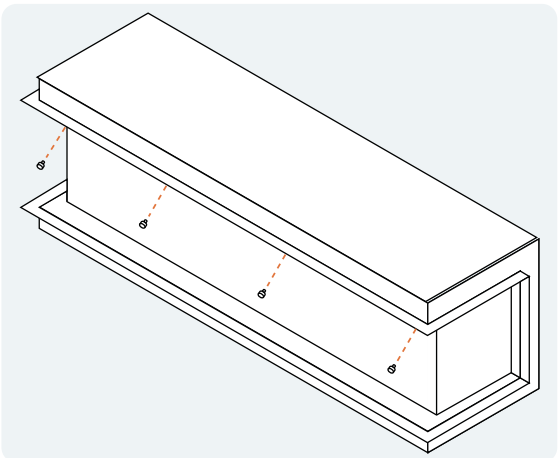


Figure 8.2 (Partially) undoing the upper front glass profile

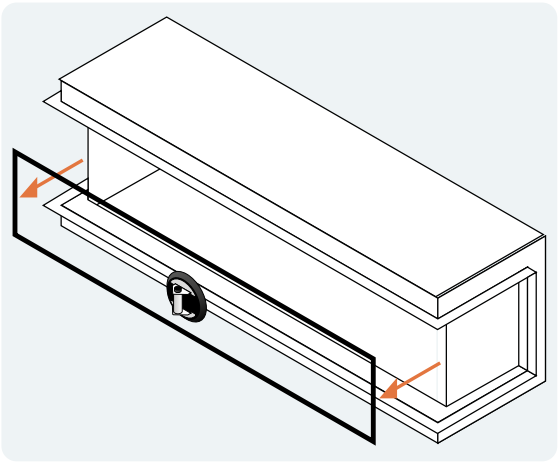


Figure 8.3 Removing the front glass

8.2 Refitting the front glass

1. Put the front glass back and press the bottom into the lower front glass profile.
2. Fit the lower front glass profile and retighten the screws of the upper front glass profile.
3. Check that the glass fits evenly all round and that all screws are tightened.

8.3 Converting from mirror to black back panel

To fit the fire with a black back panel instead of the standard 3D mirror panel, open the fire as described in 8.1 and follow the steps in **figures 8.4** to 8.7.

To close the fire again, follow the steps in reverse order.

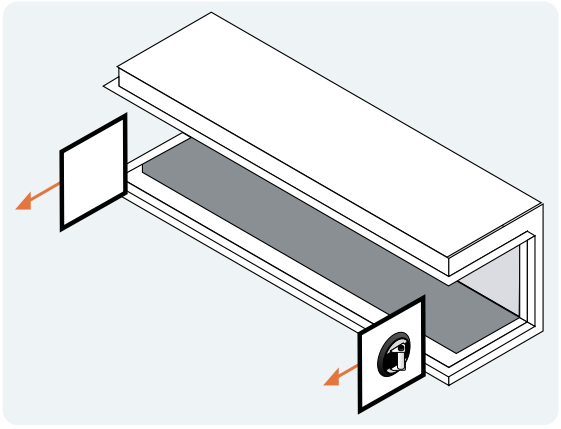


Figure 8.4 Removing the side glass

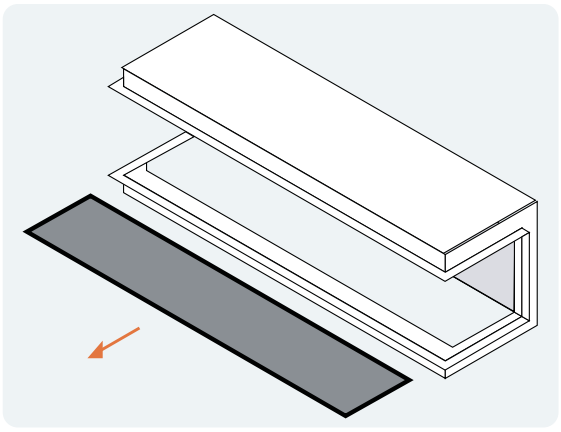


Figure 8.5 Removing the log set

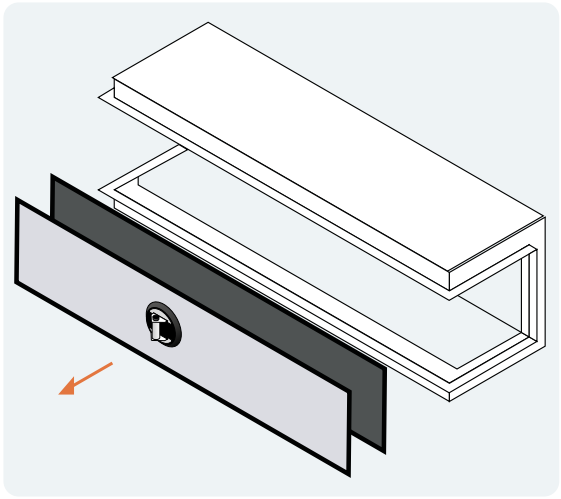


Figure 8.6 Removing the back panels

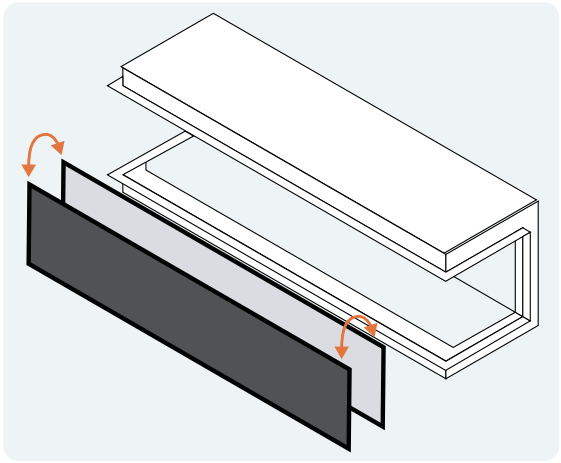


Figure 8.7 Swapping the back panels

9. Maintenance

Maintenance of this fire consists of two parts: the cleaning you do yourself, and the annual service by a qualified professional.

Warning: Disconnect the fire from the mains and allow the appliance to cool down completely before you start cleaning, servicing or moving the fire.

9.1 Annual service

Have the fire serviced at least once every 12 months. This service may only be carried out by a qualified professional.

During the annual service the fan and the heating element are cleaned of dust, the electrical connections and the power cord are checked, the LED lighting is inspected and the fixing of the fire to the wall is checked.

A dirty fan is the most common cause of a heater that blows cold air. Regular maintenance prevents this.

9.2 Cleaning by the user

Clean the glass with a soft, dry or slightly damp cloth. Do not use abrasives, aggressive cleaning agents or scouring pads: these damage the glass irreparably.

To clean the inside of the front glass, remove the glass according to 8.1 and then refit it according to 8.2.

Carefully wipe the logs with a soft, dry cloth or a soft brush. Move the logs as little as possible so that the flame effect stays the same.

Remove dust from the air inlets and the air outlet with a vacuum cleaner fitted with a soft brush attachment. Do not insert any objects into the openings.

Do not let any liquid into the appliance and never spray cleaning agent on or into the fire. See also 3.3.

9.3 Parts that may only be replaced by a professional

You must not replace the following parts yourself, as this requires access to live parts: the LED lighting system, the power cord, the fan, the heating element and the circuit board.

To have these parts replaced, contact your installer or the service department.

9.4 Extended periods of non-use

If you do not use the fire for an extended period, switch it off with the rocker switch and isolate the circuit at the consumer unit.

Store and transport the appliance and the power cord in a dry place, free from excessive vibration and in such a way that damage is prevented.

10. Troubleshooting

	Fault		Cause	Solution
A	**The fire does not work**	1	The plug is not properly inserted in the socket-outlet.	Check that the plug is fully pushed in.
		2	The rocker switch is off.	Check the position of the rocker switch.
		3	The fuse has blown.	Check the circuit at the consumer unit. If in doubt, always call in a qualified electrician.
		4	A connection is loose or a wire has come loose.	Have the internal connections checked.
B	**LED lighting does not work or only partially**	1	The LED strip is short-circuiting.	Have the short circuit traced and check that the strip is not touching the metal. Have the strip replaced if necessary.
		2	The LED strip or the driver on the circuit board is defective.	Have the LED strip or the circuit board replaced.
C	**The heater blows cold air**	1	There is insufficient clearance around the fire.	Check the clearance according to **figure 5.1**. If there is too little clearance, the thermal cut-out switches the heating off; see 5.4.
		2	The heating element is defective.	Have the heating element replaced.
D	**The heater makes a noise**	1	The fan is out of balance.	Have it checked that the fan is properly fixed in the housing.
		2	The fan is touching the housing.	Have the fan aligned so that it rotates freely.
E	**The heater does not switch on**	1	The thermostat is set too low.	Turn the thermostat up.
		2	The heater is defective.	Have the heater replaced.

Appendices

A. Dimensions

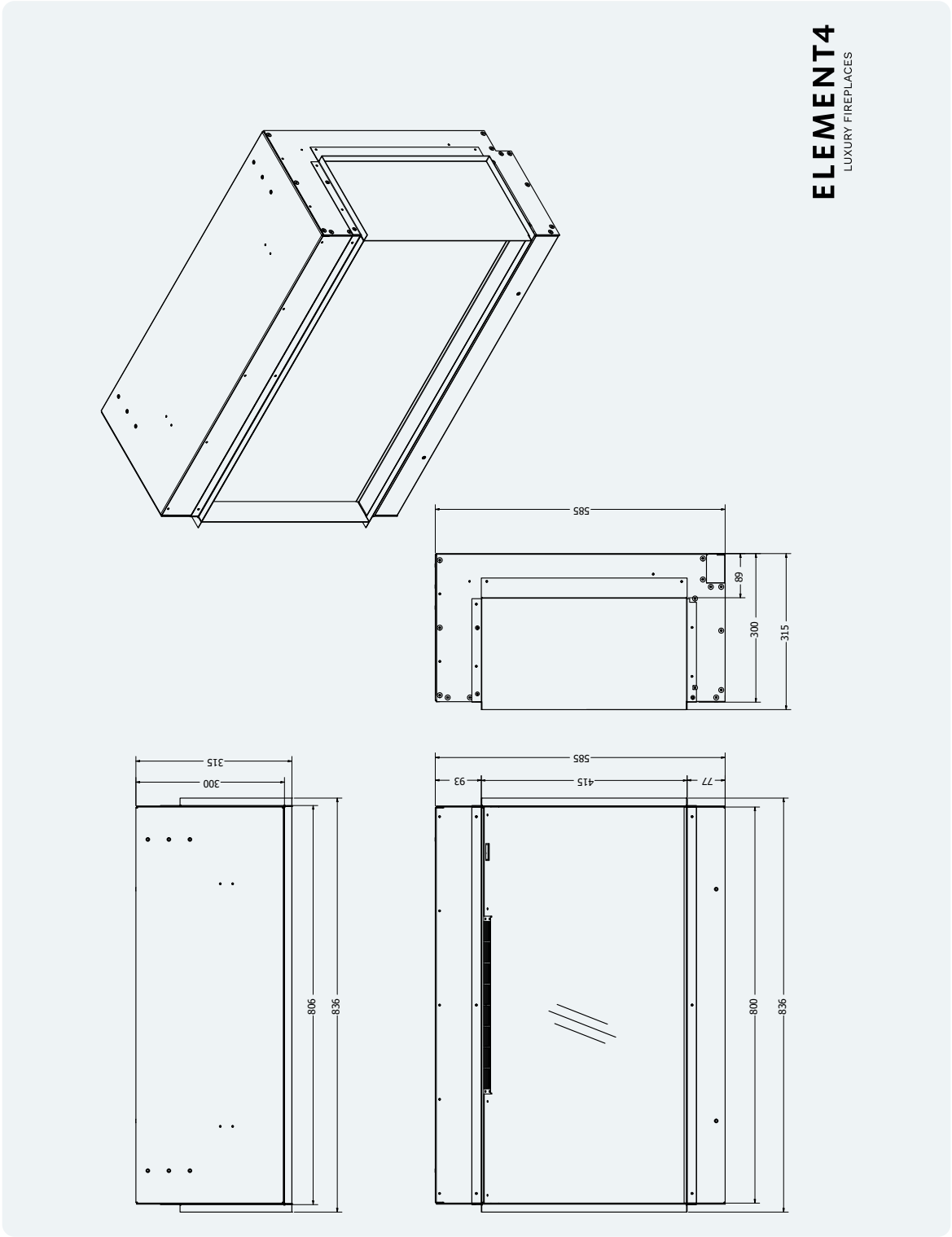


Figure A.A Volta 80

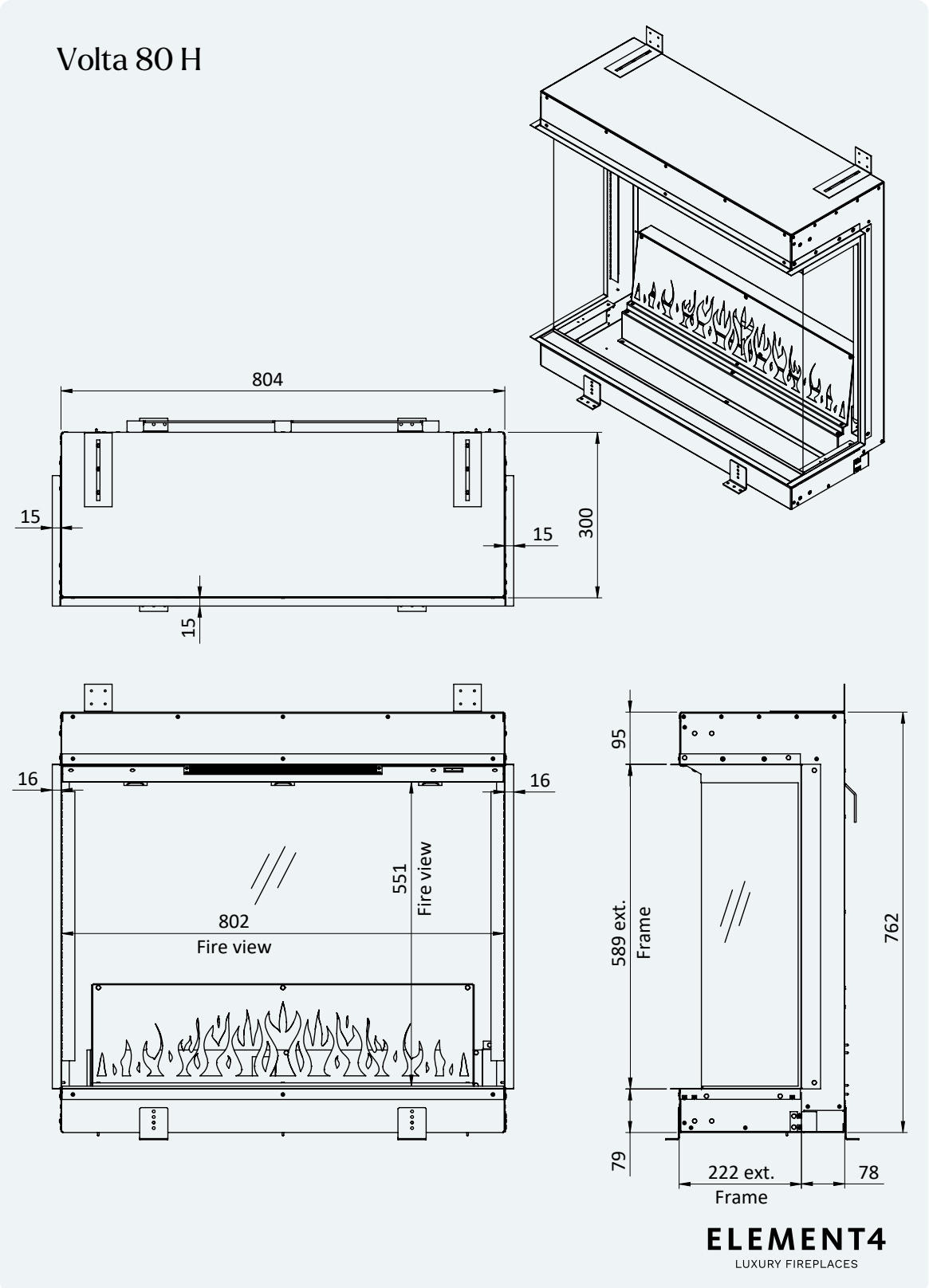


Figure A.B Volta 80H

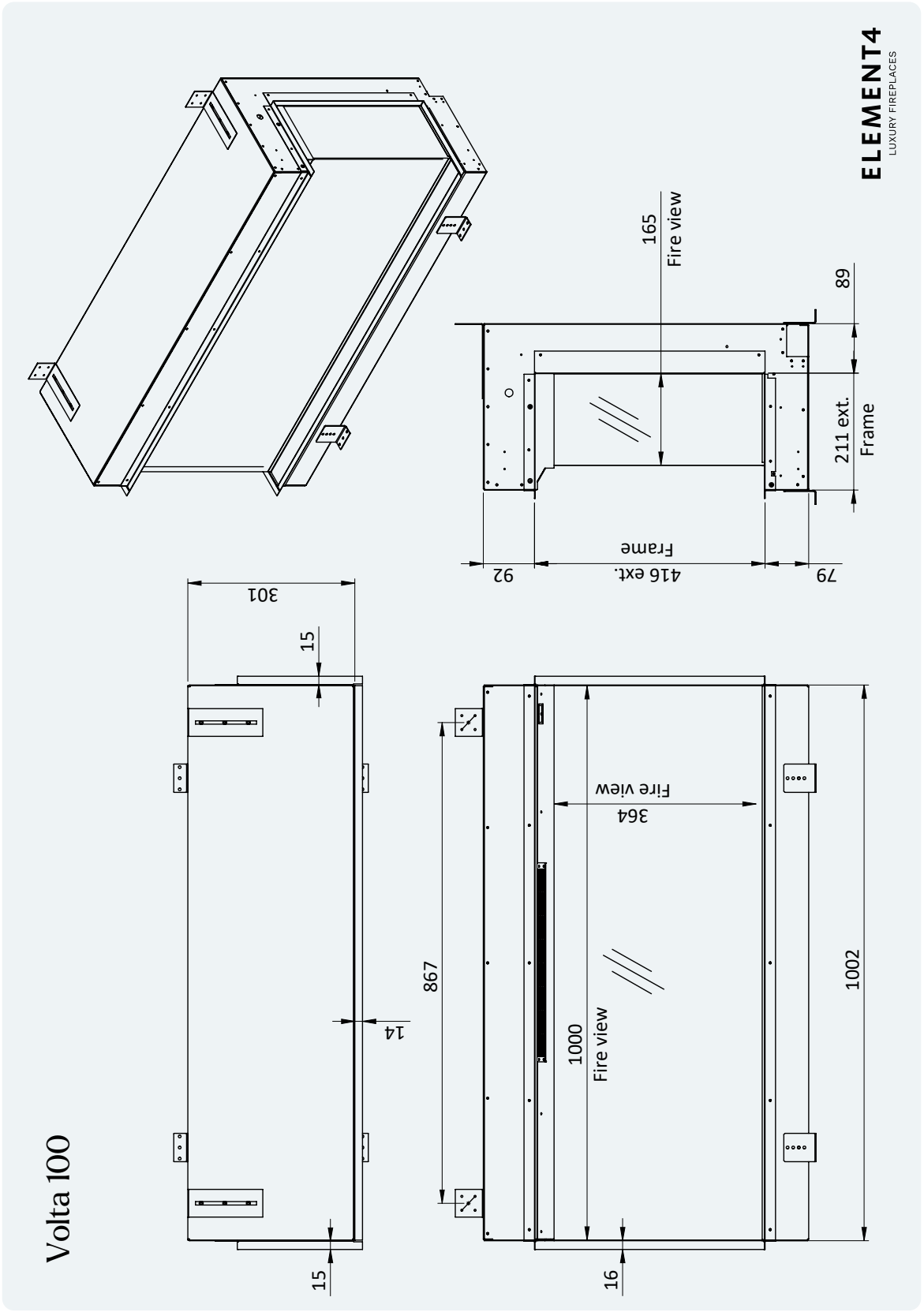


Figure A.C Volta 100

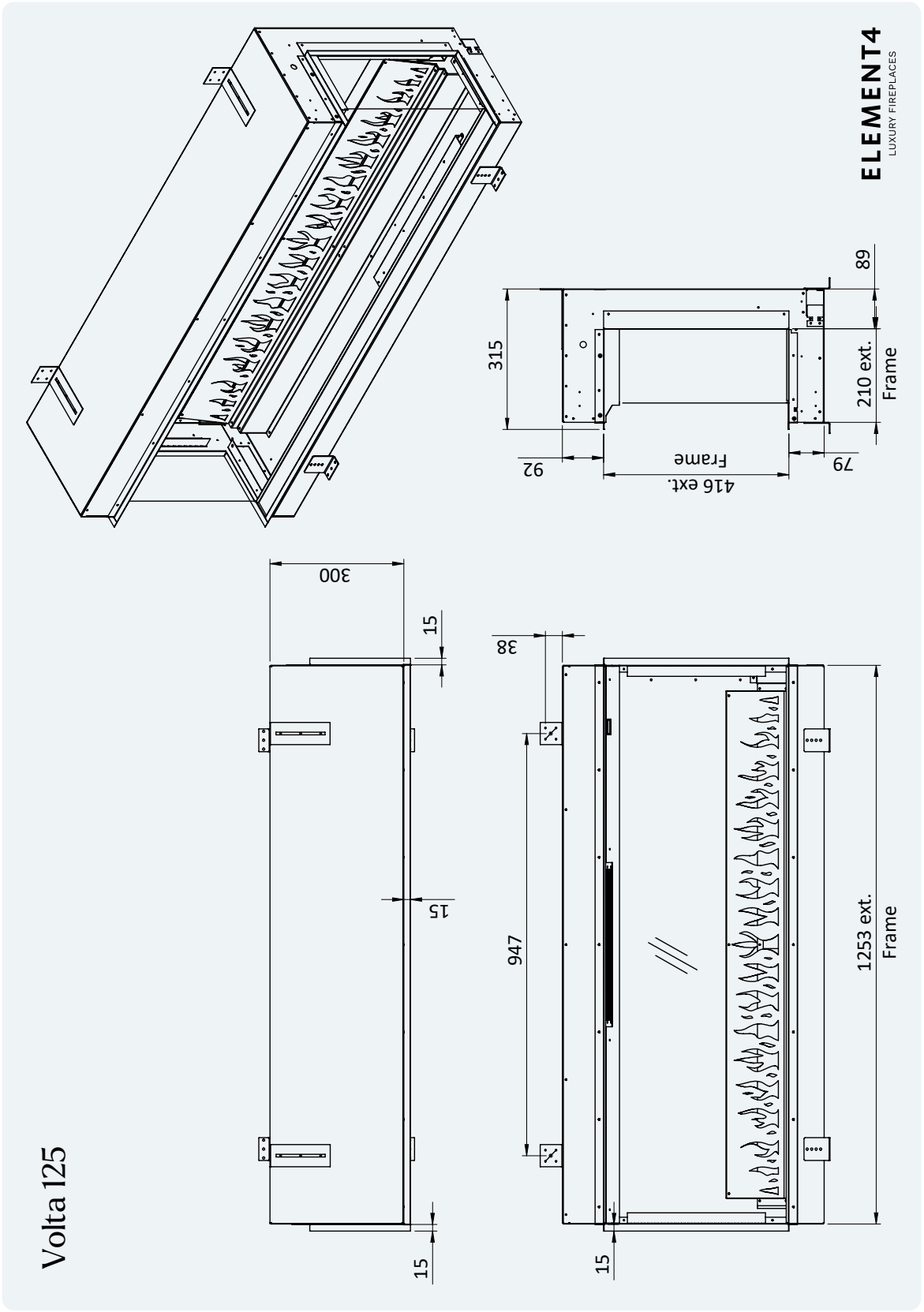


Figure A.D Volta 125

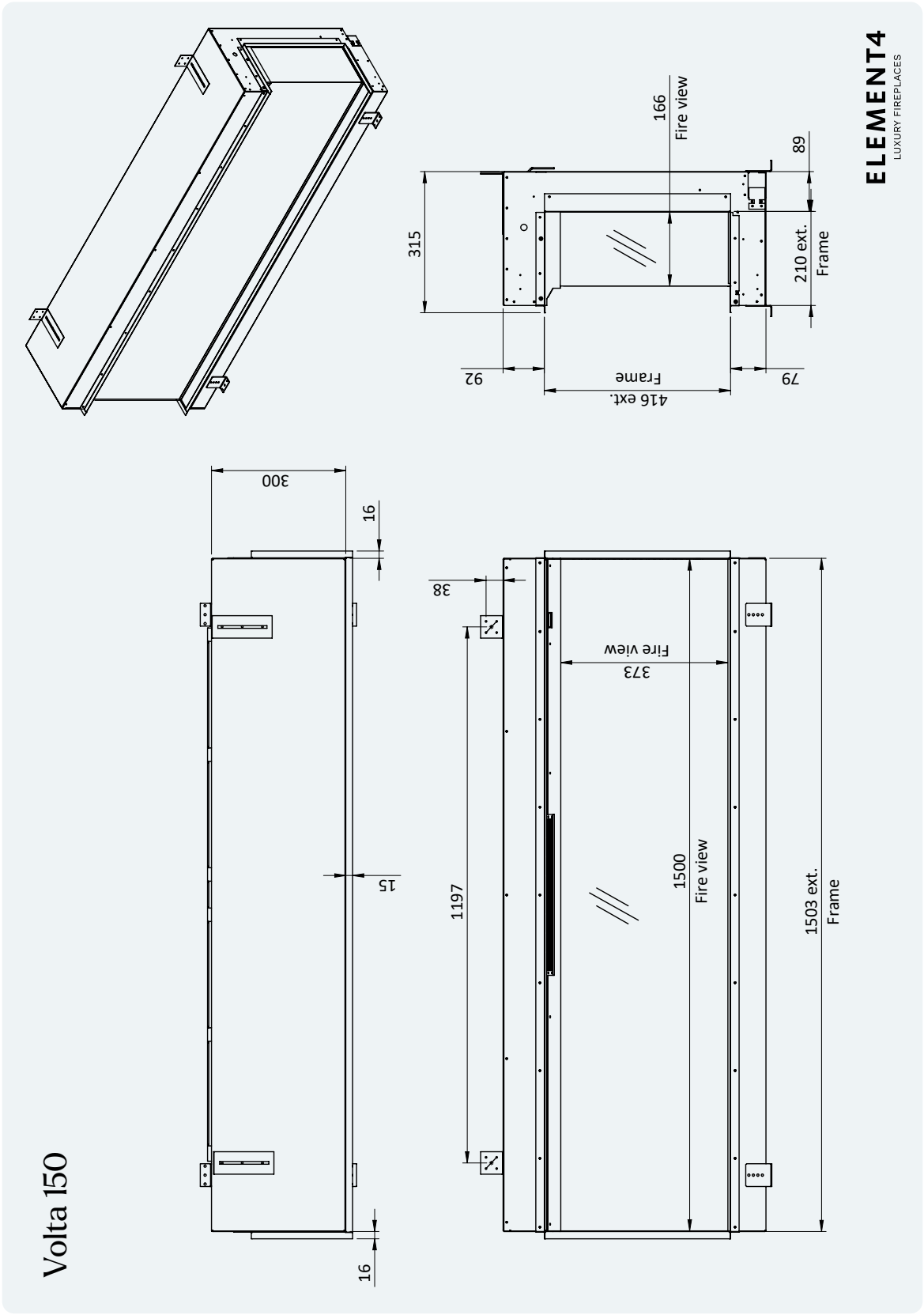


Figure A.E Volta 150

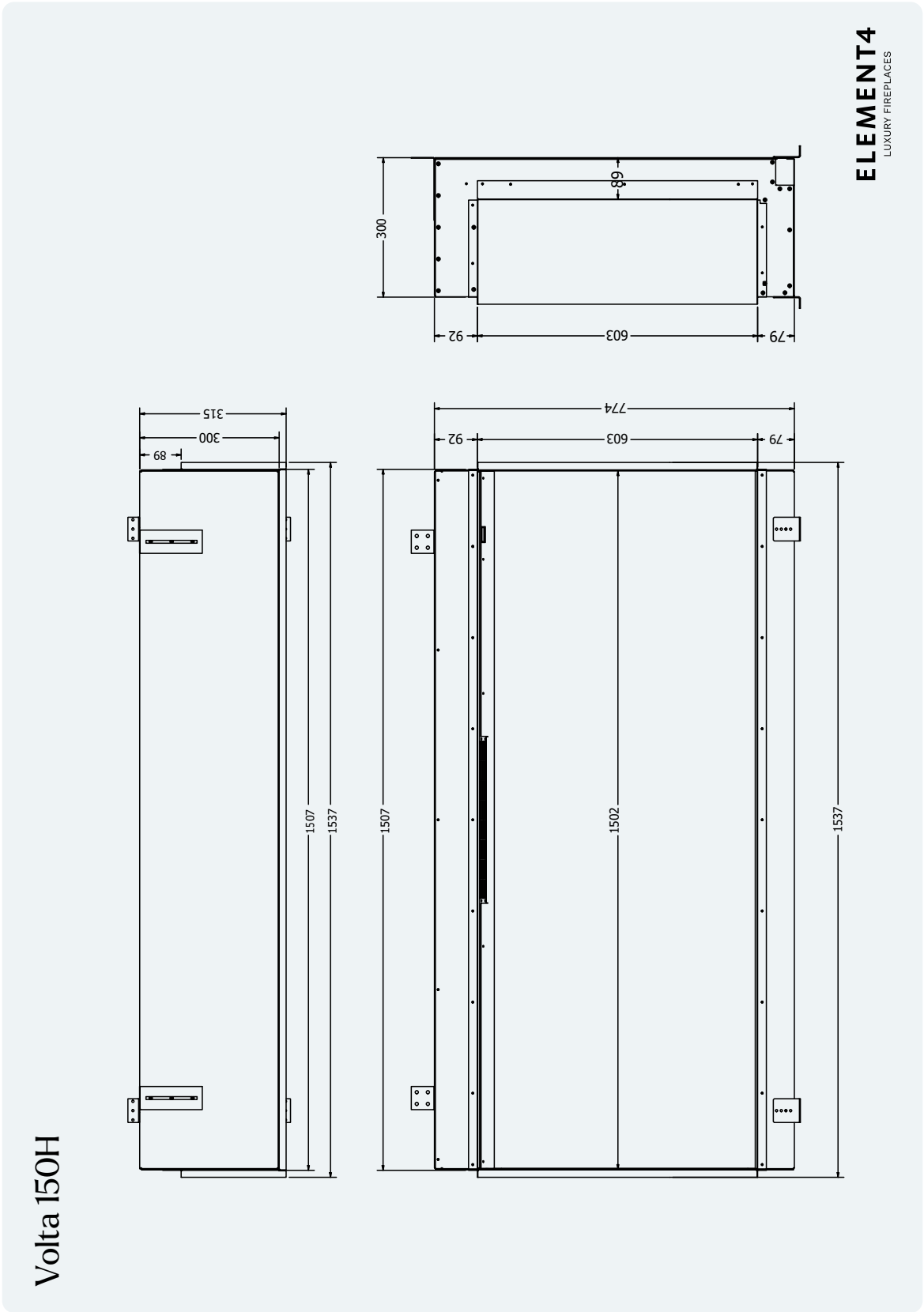


Figure A.F Volta 150H

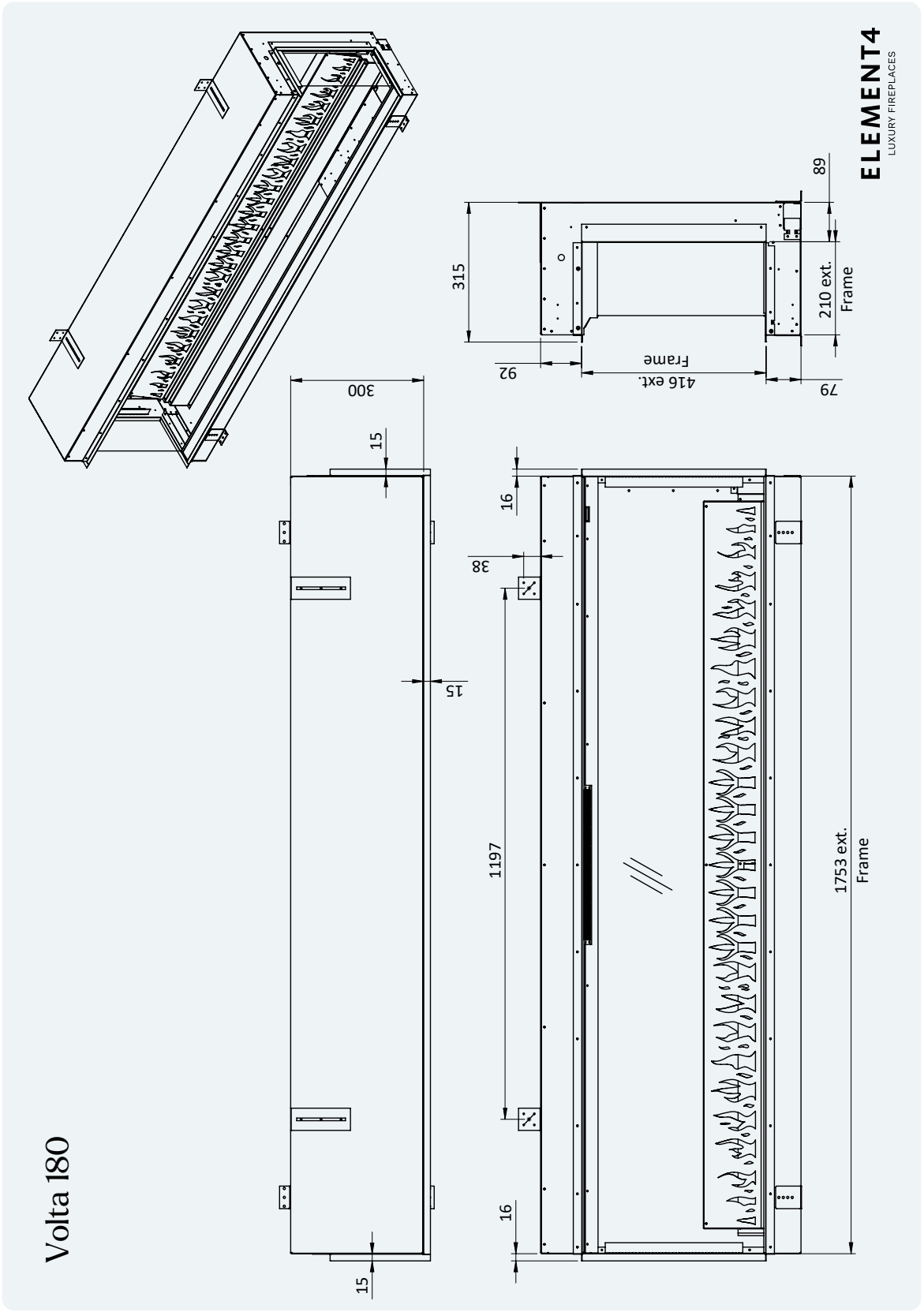


Figure A.G Volta 180

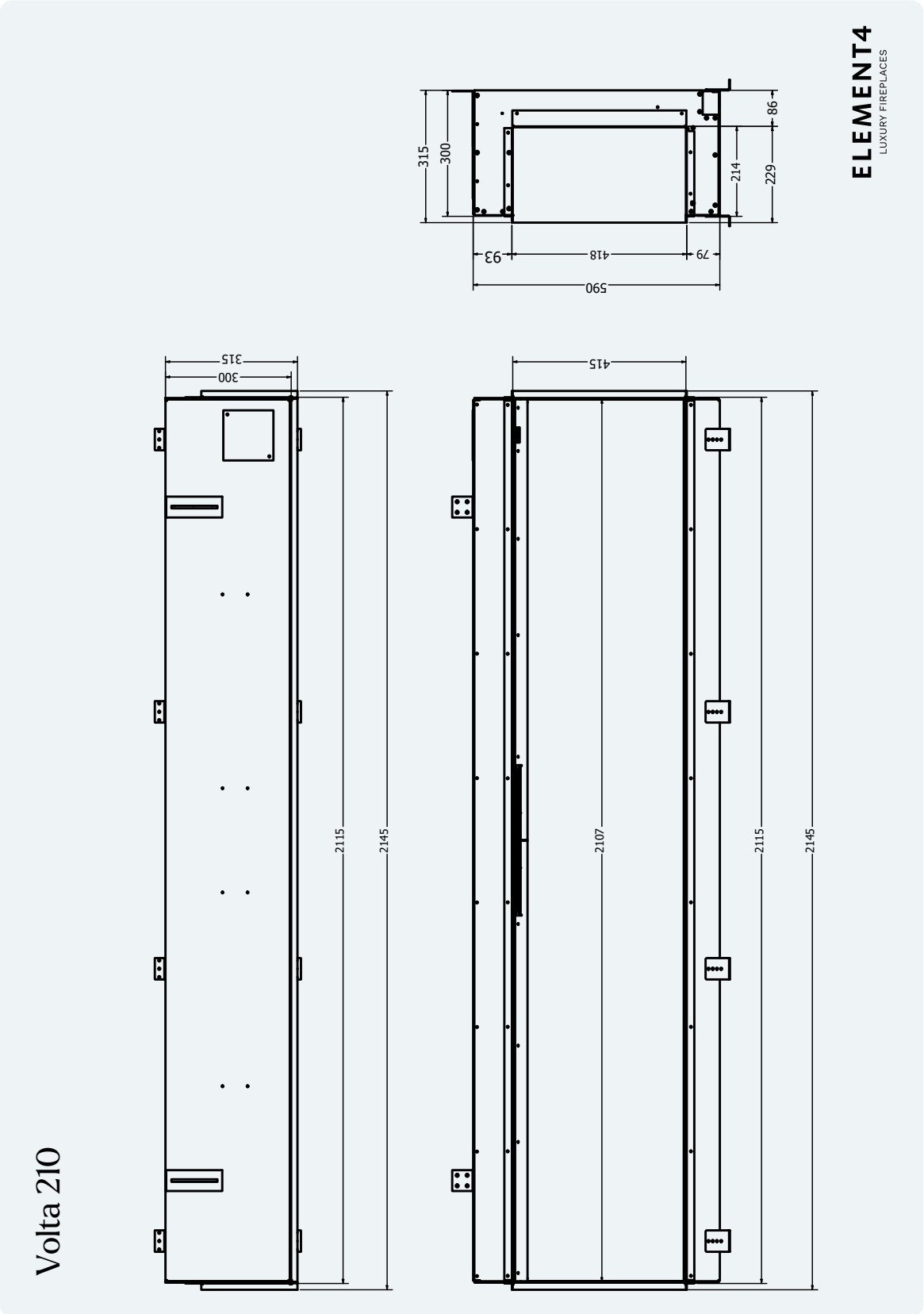


Figure A.H Volta 210

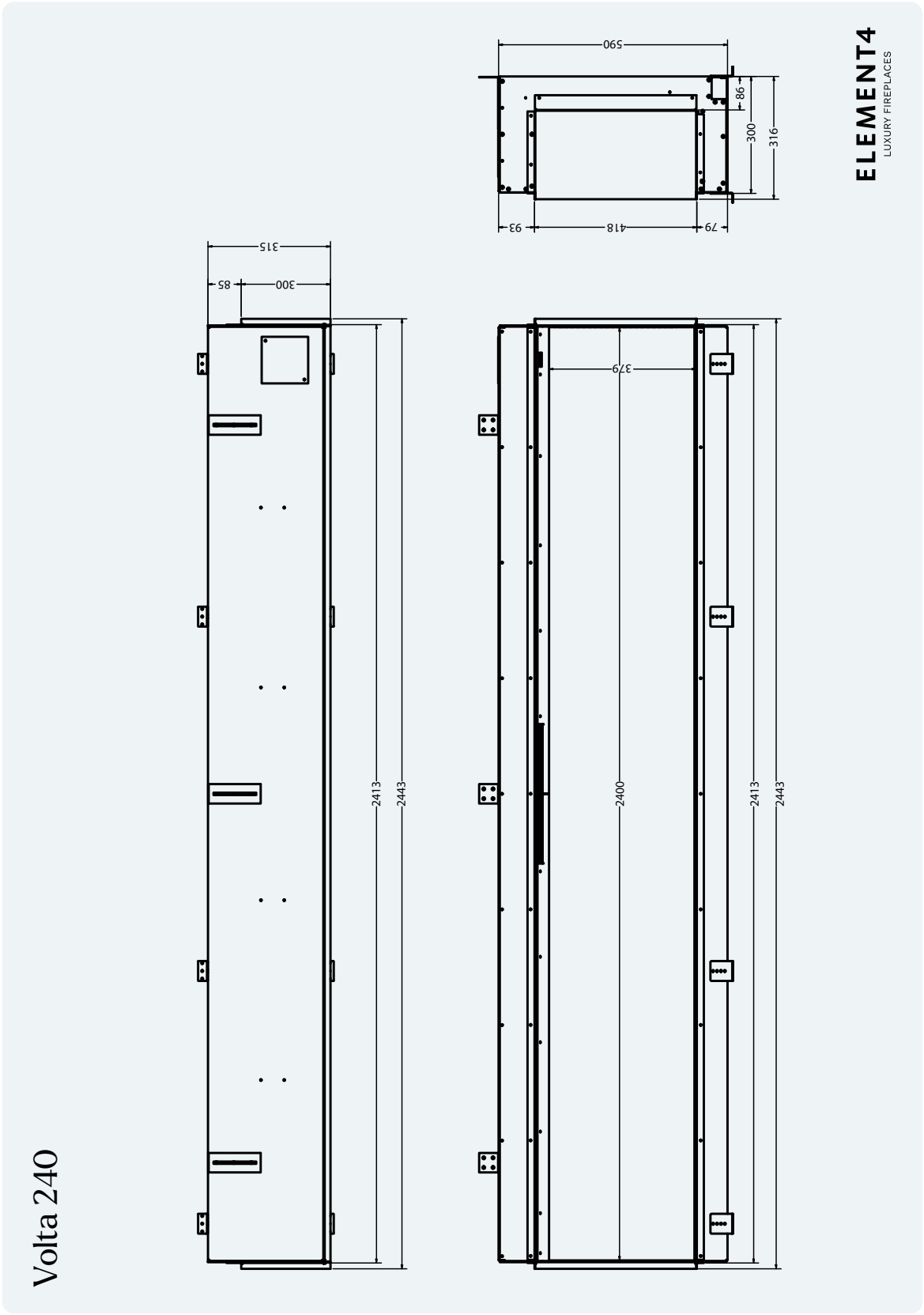


Figure A.1 Volta 240


Fire.
Designed to *inspire.*
Engineered to *ignite.*
Refined to *impress.*
ELEMENT4
LUXURY FIREPLACES