Installation Guide

Panorama- fireplace 51/66/40/66 with support bracket

BRUNNER®

made in germany.

CONTENTS

1 BASIC INFORMATIONS

All instructions delivered with products must be observed. We do not accept any warranty claim or liability for damage resulting from failure to observe these installation instructions!
Improper installation can cause injury and material damage!

The installation may only be carried out by a registered specialist.

Fireplaces equipped with a water boiler must be pressure-tested after hydraulic connection to the heating system. Masonry work may follow only after this pressure test. Ulrich Brunner GmbH does not cover any costs incurred by necessary dismantling of masonry for rework at water boiler installation or replacement of the boiler.

The floor space of the room must have a suitable structure and sufficient dimensions to ensure proper functioning of the fireplace.

Please note that other installation and assembly instructions are included in other packaging units!

Dimensioning of downstream heat accumulator must be according to valid stove-setting rules.

During installation of the fireplace, all dimensions and minimal clearances of the fireplace casing must be held as specified by the manufacturer.

Fireplaces that meet the requirements of DIN EN 13240 or DIN EN 13229 and that can only be operated as intended with closed combustion chamber door or that have a self-closing firebox door are suitable for multiple occupancy.

All binding national or EU standards and local regulations for the installation of fireplaces must be observed.

All valid stove fitting rules and regulations of local construction law must be observed and followed.

Please follow the relevant regulations of your country.

When these instructions are followed and all works are done properly, this will ensure a safe, energy-saving and environmentally friendly operation of the stove. Pictures shown are not to be considered as complete representations of any kind.

Subject to technical and assortment changes.

Please notify your supplier of any damage which might have occurred during transport.

Please keep these instructions.

Please also take note of the online product documentation provided by:

General instructions of the Brunner products installation for the stove construction.

(https://www.brunner.de/Allgemein/Allgemeine_Hinweise_für_den_Aufbau_en.pdf)

2 PRODUCT DESCRIPTION

Fireplaces manufactured by Ulrich Brunner GmbH are designed and approved as self-closing devices according to EN 13229.

Combustion air is supplied through a provided connecting piece. The volume of supplied combustion air can be controlled by using a combustion air controller. These fireplaces are designed for closed installation without any vent openings (hypocaust principle). The hypocaust design must ensure uninterrupted transfer and even distribution of heat inside the stove casing, preventing all parts of the heating chamber from overheating. Dimensioning of heat projecting walls of the casing must by adjusted to performance data of the heating device. Thickness of insulation for building walls surrounding the fireplace as stated in technical data has been determined during continuous operation with open air vents (safety test according to EN 13229 - heat transfer coefficient of the tested wall at 0,7 W/m²K), and must be adjusted for different conditions (for example, by providing air cooling for walls).

When installing electric or electronic parts (controllers, sensors, cables...) or water-conducting parts, please consider the max. permitted temperatures for these components.

When setting up a hypocaust system with a lifting door fireplace, please keep in mind that the temperature for pulleys of the door lifting mechanism must not exceed 150°C.

Hood	Door	Reheating surface	Designation	Operation mode	Chimney	Start-up flap	Damper flap
steel hood	self-closing	-	EN 13229 W	rated load	multiple connection	-	Yes

3 DELIVERY CONTENTS

The fireplace is delivered on a disposable pallet. The fireclay combustion chamber linings are delivered in a cardboard box on a separate pallet. Parts of deflector plate (if fitted) are stowed inside the combustion chamber.

All necessary accessories used for opening and cleaning of the glass door are inside the unit.

Outside on the protective packaging, you can find a label with detailed description of fireplace type. Please check the contents of your delivery! Any damage occurred during transport or missing parts must be immediately indicated to the supplier!

4 DESCRIPTION OF PARTS

4.1 OVERVIEW OF COMPONENTS

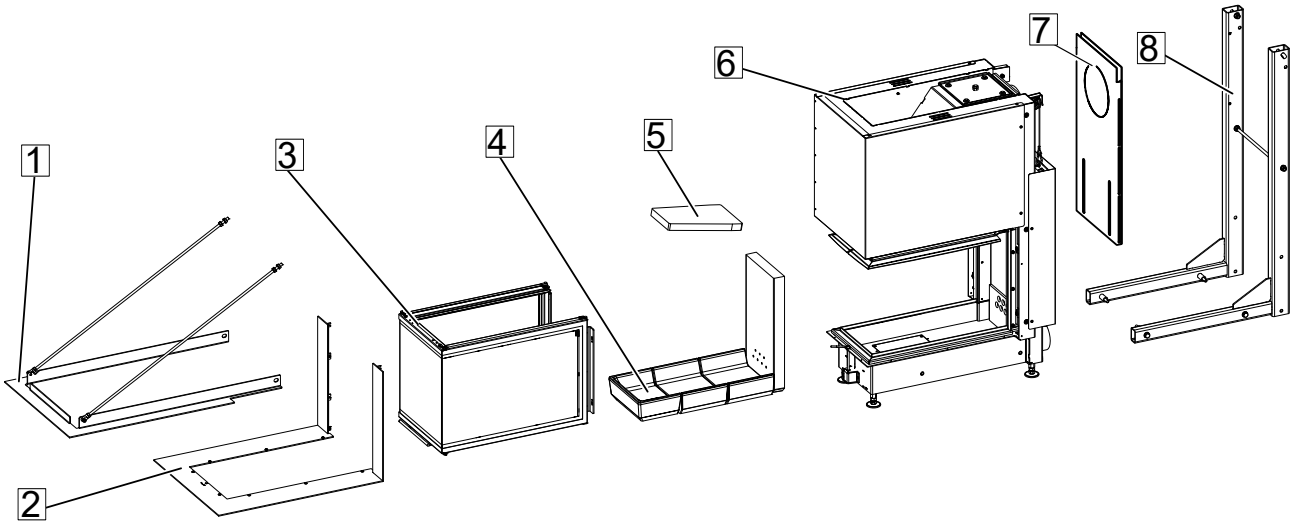
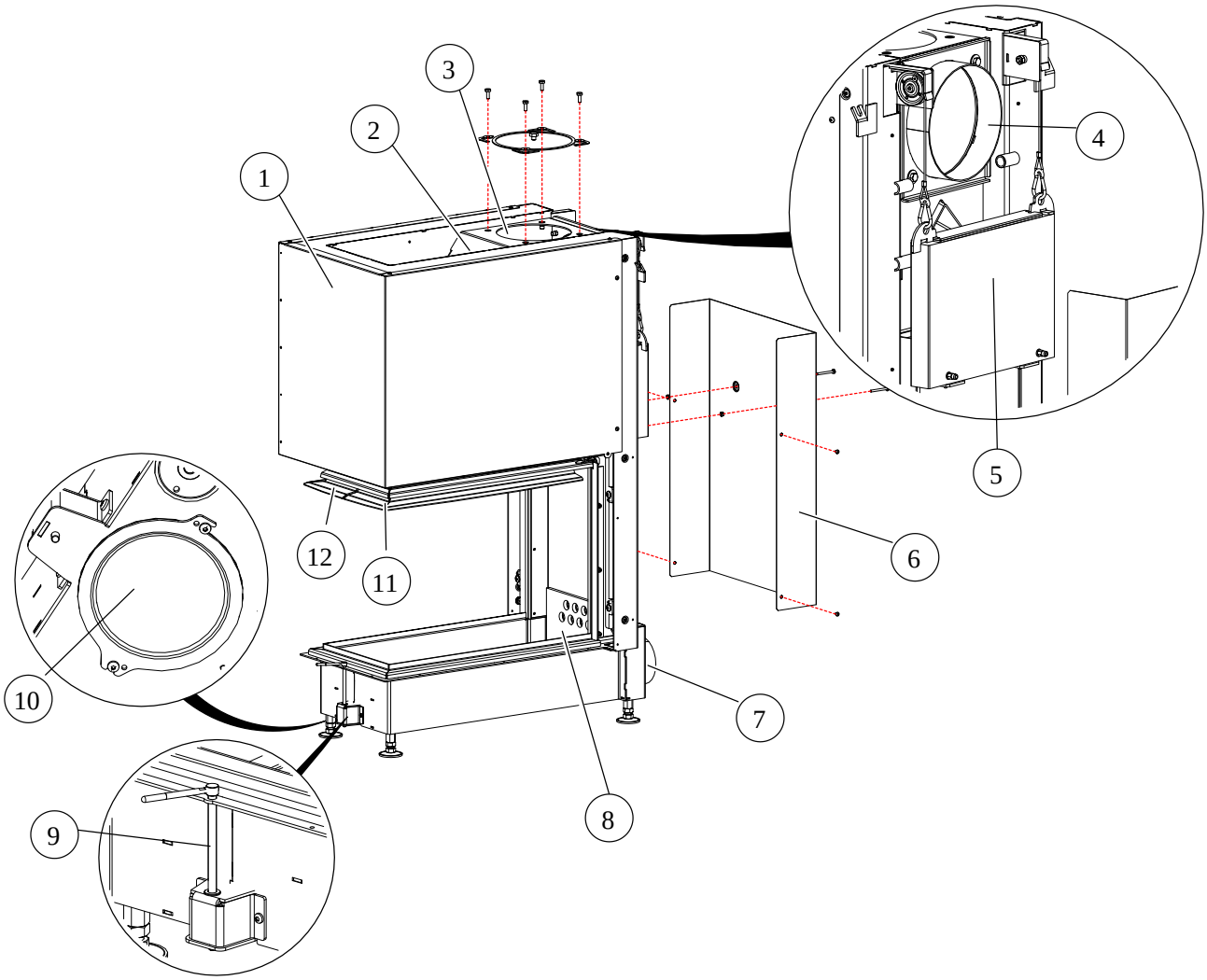


Illustration 1: overview of assembly units

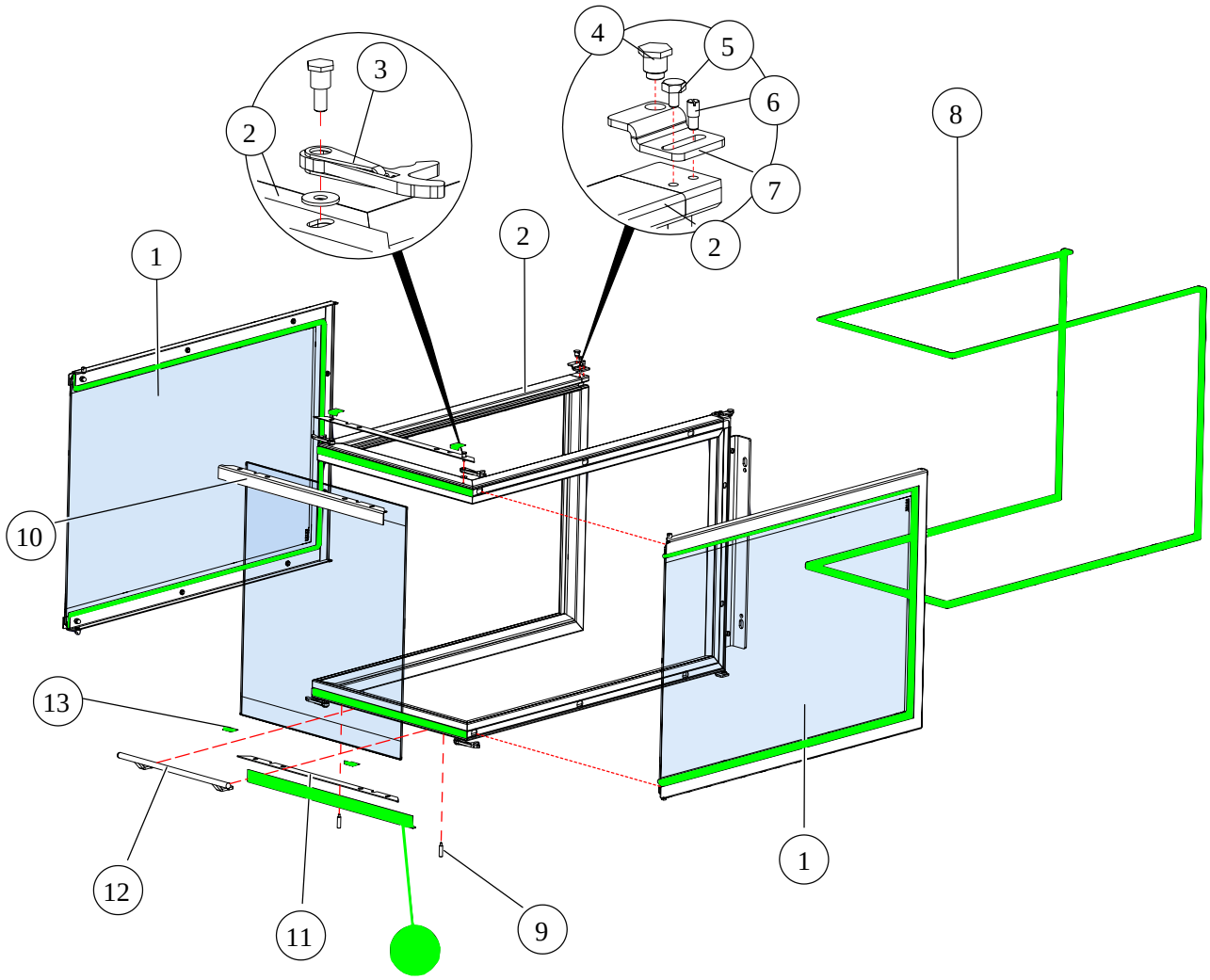
Pos.	Article No.	Designation	Pcs.
1	I071015-01	Upper cover frame	1
2	I071004-01	Firetable assembly	1
	I071013-01	Variant: firetable mounting edge	1
3	I071002-01	Door assembly	1
4	I071009	Inner lining assembly	1
5	I071051	Deflector plate	1
6	I071008	Body	1
7	I071080 / I071081	Heat protection panel	2
8	I071083	Carrier unit	1

4.2 BODY

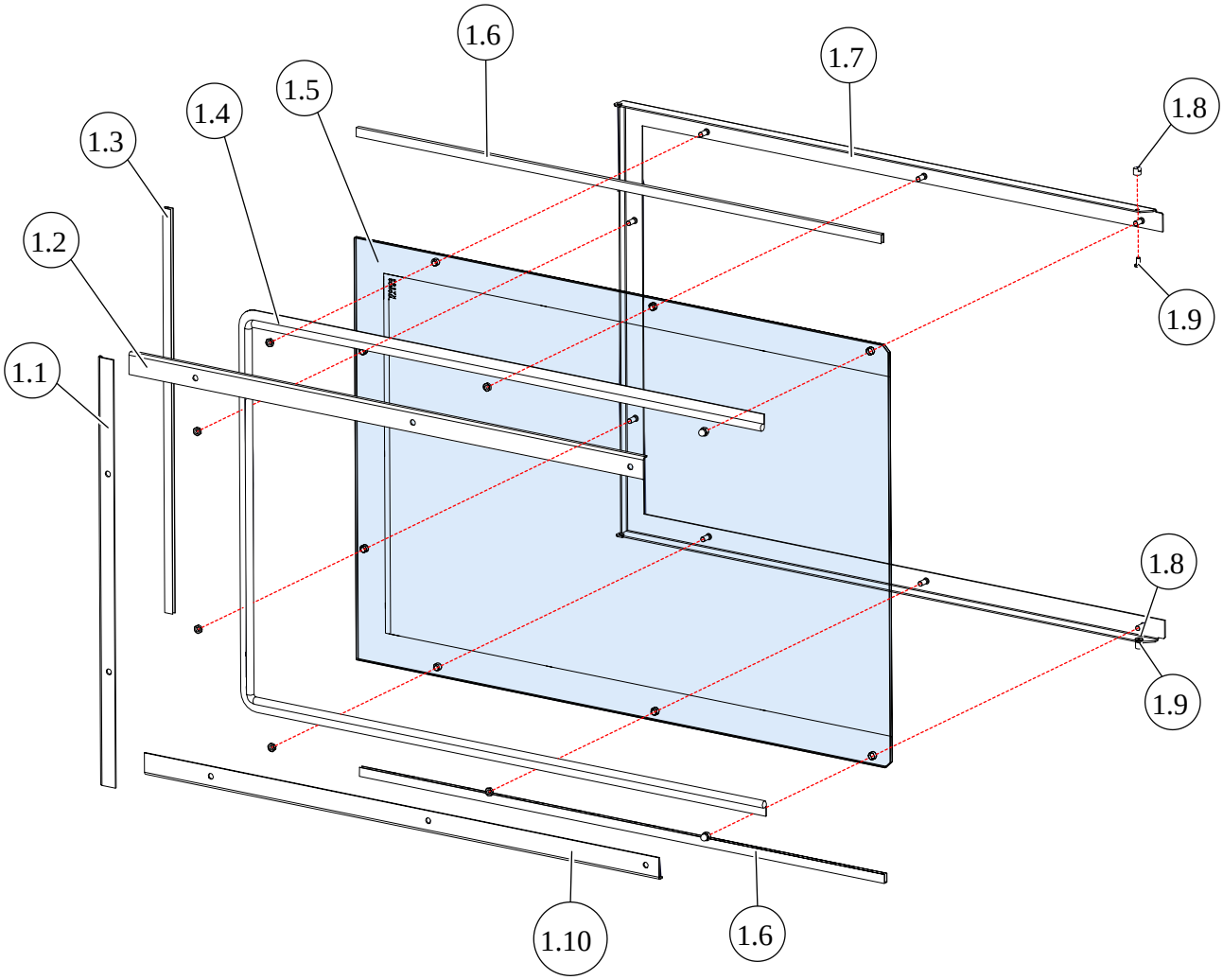


Pos.	Article.	Designation	Pcs.	Pos.	Article.	Designation	Pcs.
1	I071007	Hood metal shaft	1	7	02333	Air supply connection complete	1
2	I071012	Steel hood D200	1	8	I048107	Fiber mat air nozzle	1
3	W039284	Flue gas cover complete	1	9	I007237	Air actuator	1
4	I058039	Flue gas outlet D200 complete	1	10	I003244	Blind cover flange	1
5	I071006	Counter weight	1	11	I071011	Air distributor right	1
6	I071048	Cable shaft	1	12	I071010	Air distributor left	1

4.3 DOOR ASSEMBLY (I071002-01)

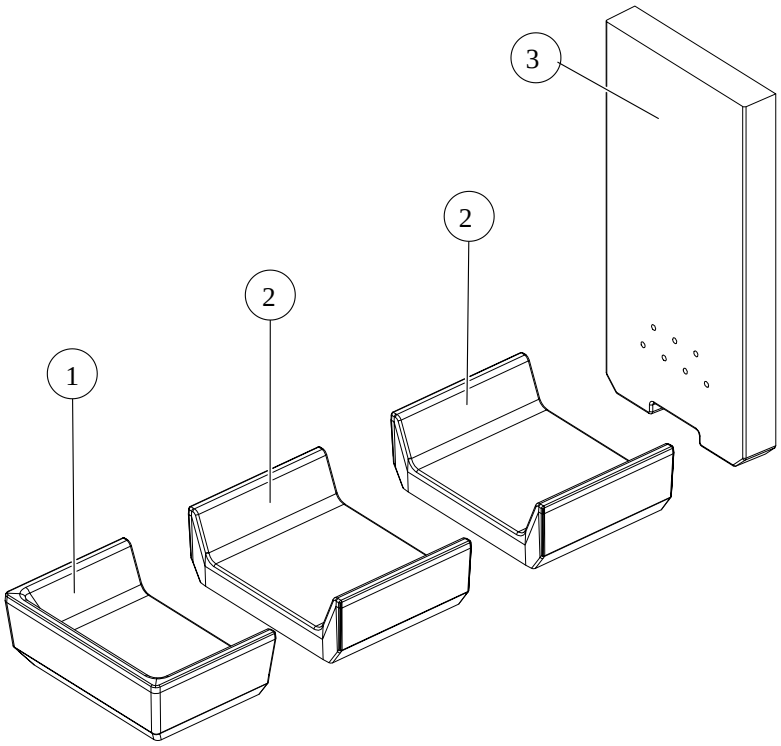


Pos.	Article.	Designation	Pcs.	Pos.	Article.	Designation	Pcs.
1	I047034-01	Glass pane frames le-ri	2	8	I071020	Sealing door to front	1
2	I071003	Door frames	1	9	02446	Screw M3x6	8
3	I007341	Spring closure short	4	10	I066037-01	Glass pane frame bracket	2
4	I007215	Glass pane frame bolts top	2	11	I066038	Equalizing sheet for bracket front	2
5	02529	Hexagonal screw M4x6	2	12	I007258	Door handle	1
6	800235	Shaft screw M4x10	2	13	I012415	Sealing glass frame bracket	4
7	I007228	Glass frame bracket left top	1				



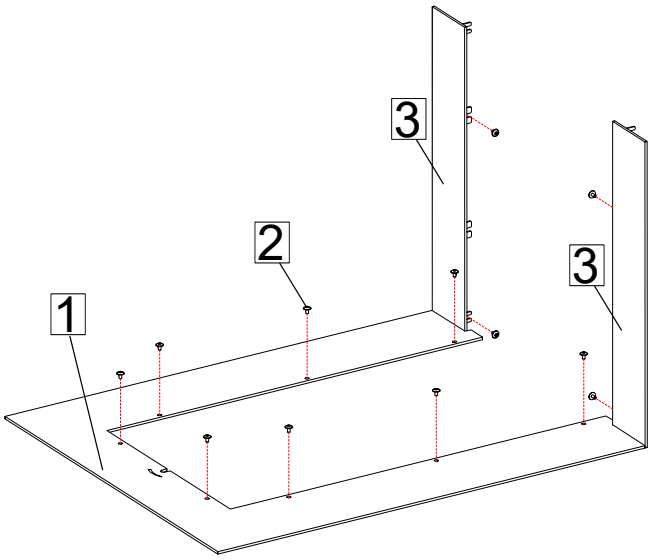
Pos.	Article	Designation	Pcs.
1.1	I047053-01	Interior bracket glass pane right rear	1
1.2	I047054-01	Interior bracket glass pane right top	1
1.3	I047051	Sealing glass pane rear	1
1.4	I047056	Sealing glass pane frame	1
1.5	I047052-1	Glass pane le-ri	1
1.6	I047050	Glass pane sealing top -bottom	2
1.7	I047049-01	Outer glass pane frame sealing	1
1.8	I007304	Locking bolt	2
1.9	800535	Flat head screw M4x8	2
1.10	I047055-01	Interior bracket glass pane right bottom	1

4.4 INNER LINING OF THE COMBUSTION CHAMBER (I071009)



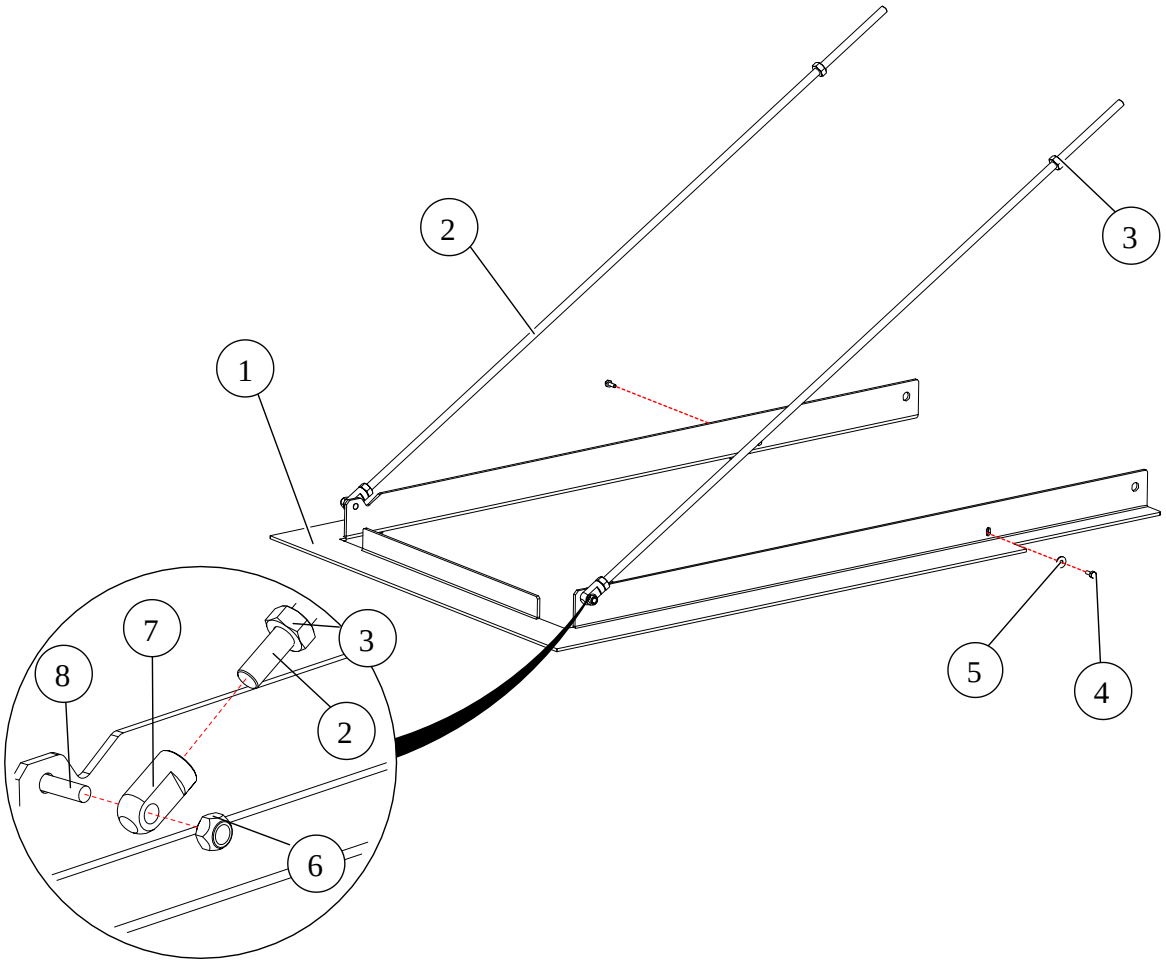
Pos	Arti-cle.	Designation	Pcs.
1	I071058	Front bottom stone	1
2	I071056	rear bottom stone	2
3	I071057	Rear wall stone	1

4.5 FIRETABLE (I071004)



Pos.	Article.	Designation	Pcs.
1	I071005-01	Firetable	1
2	02582	Lens head screw M5x8	12
3	I047073-1	Side covers le-ri	2

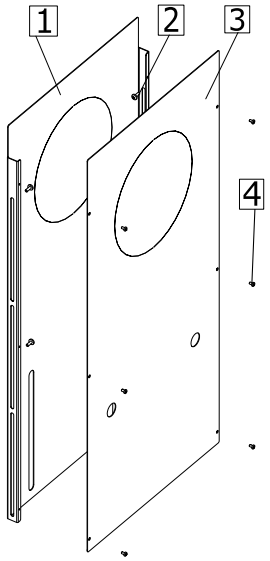
4.6 UPPER COVER FRAME (I071015)



Pos.	Article.	Designation	Stk.
1	I071016-01	Upper cover frame	1
2	I047086	Threaded rod M10	2
3	00532	Hexagon nut M10	4
4	800550	Hexagon bolt M5x12	2
5	00633	Flat washer	2
6	800157	Hexagon nut with clamping part M8	2
7	900102	Articulated lug M10	2
8	900104	Threaded bolt M8x25	2

4.7 HEAT PROTECTION PANEL (I071080 / I071081)

Pos.	Designation	Articlenr.	Pcs.
1	Heat protection panel rear wall RW	I071080	1
2	Oval head screw Torx M5x12		4
3	Heat protection panel rear wall RW 2	I071081	1
4	Self-tapping screw Torx D3.5x6.5		6



4.8 SUPPORT FRAME (I071083)

Pos.	Designation	Artnr.	Pcs.
1	Hexagonal bolt M12x100 with washer		4
2	Spacer tube	I048199	4
3	Support left	I072062	1
4	Support right	I072064	1
5	Clamping unit console	I071084	1
6	Eye screw M12x80 with washer and nut		2

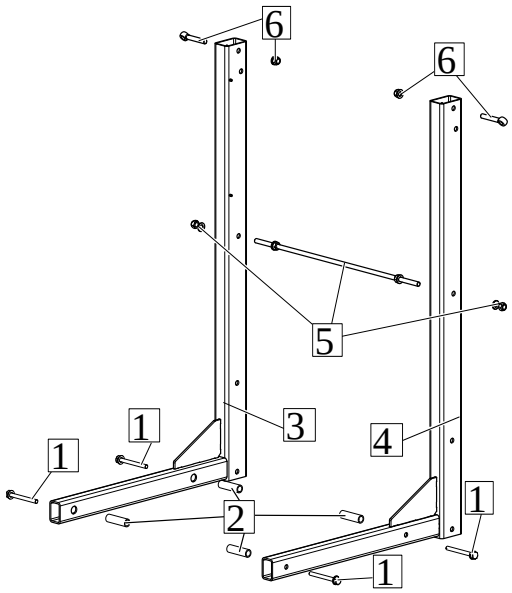
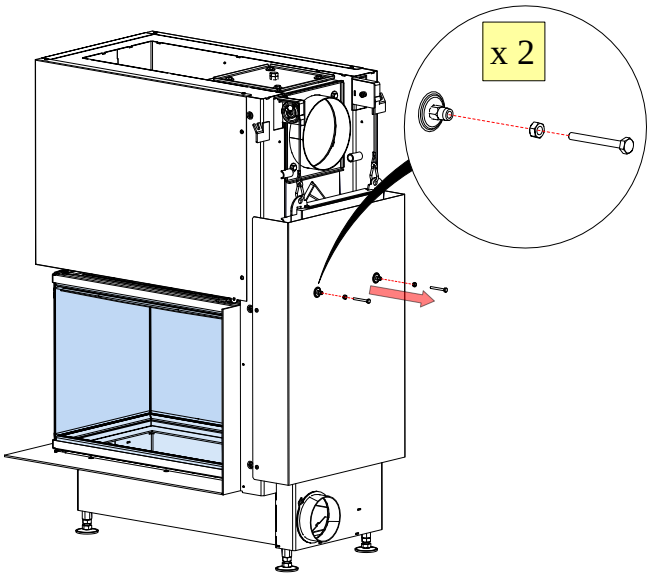


Illustration 2: Konsole

5 INSTALLATION

5.1 REMOVE THE TRANSPORT LOCKS



5.2 ALIGNMENT OF THE FIREPLACE INSERT

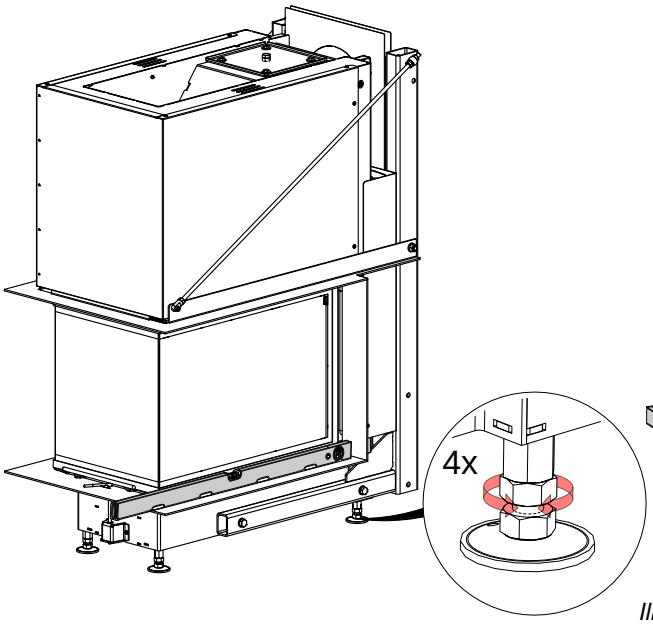


Illustration 3: Align step 1

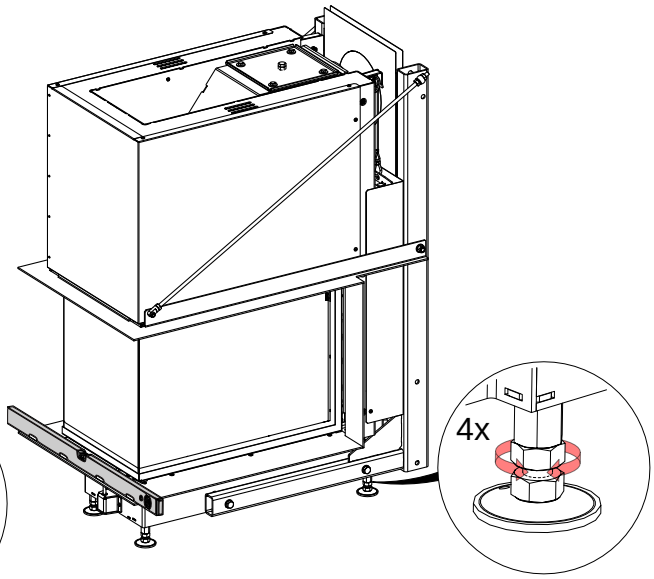


Illustration 4: Align step 2

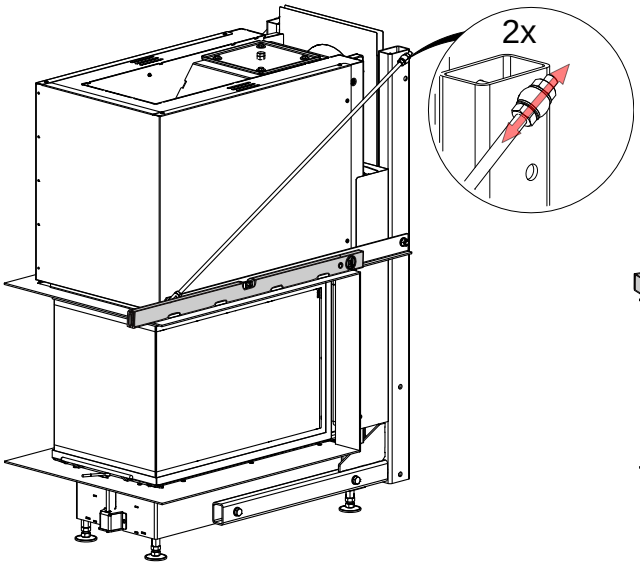


Illustration 5: Align step 3

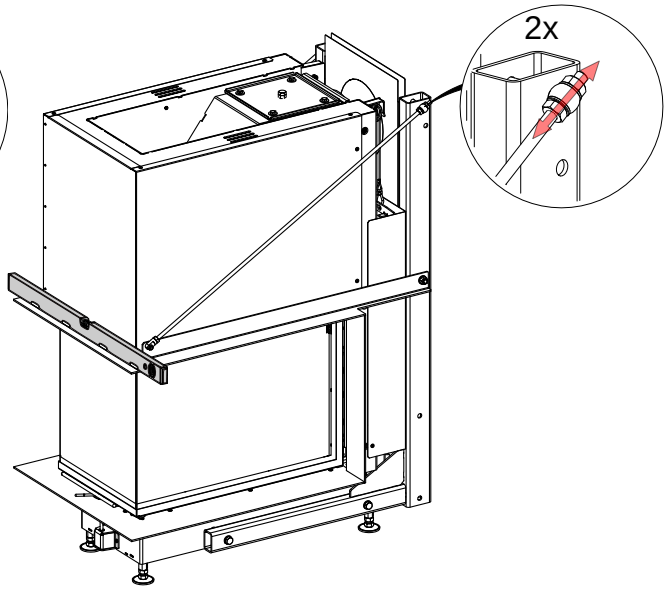


Illustration 6: Align step 4

5.3 MOUNTING FRAME SUPPORTS

Fitted to the insert and decoupled from heat, the support bracket makes it easy to install. The mounting frame supports are permanently fitted to the fireplace insert.

The mounting frame can be suspended on the support bracket in the rear part of the fireplace (1) or on the ceiling above (2).

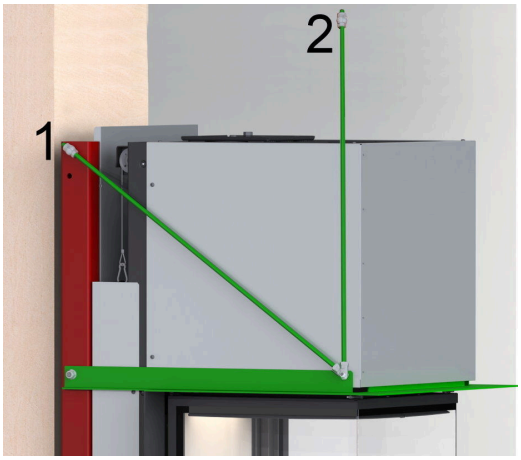
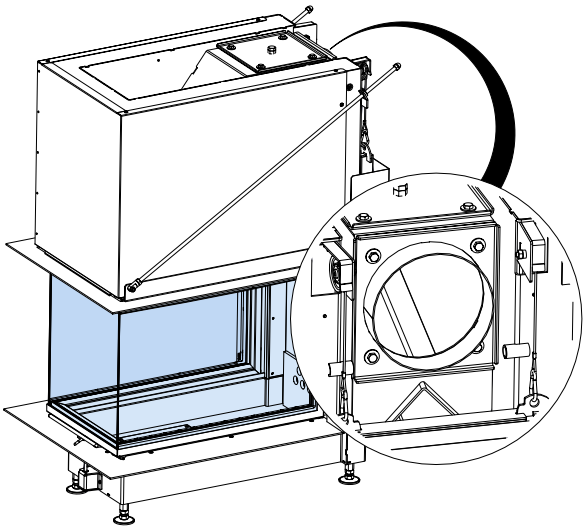
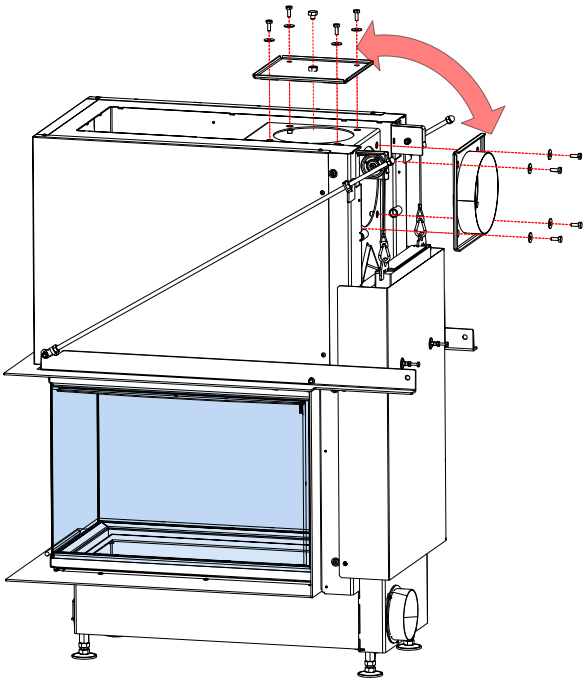


Illustration 7: Schematic view

5.4 FLUE OUTLET



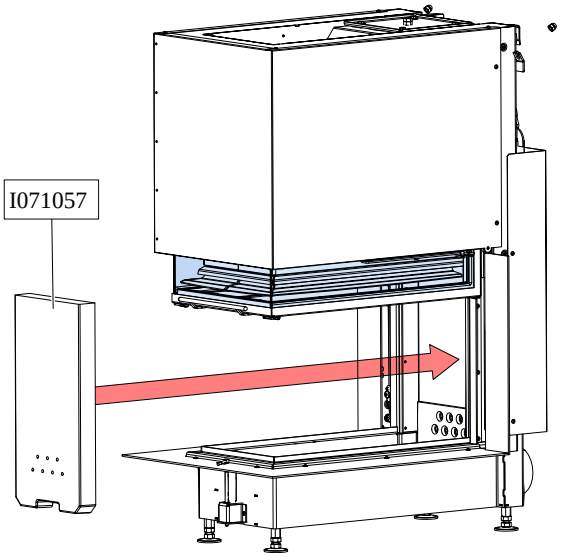
possible change of the flue outlet

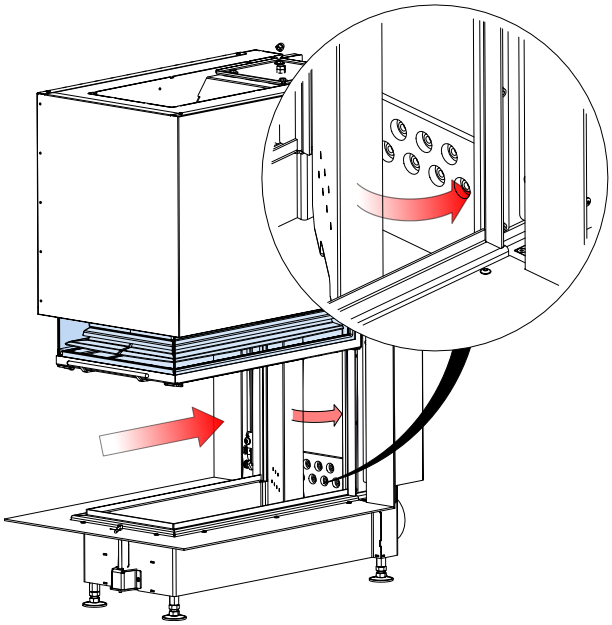


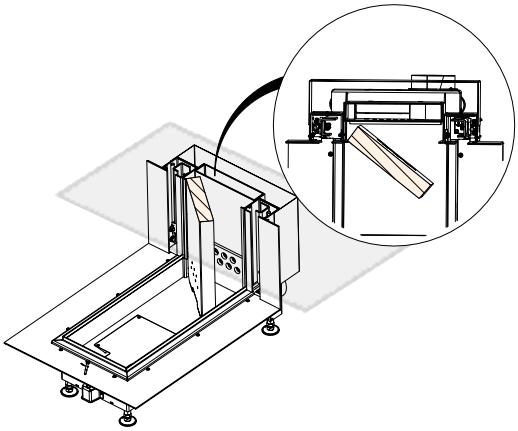
Be careful to avoid damage of gaskets!

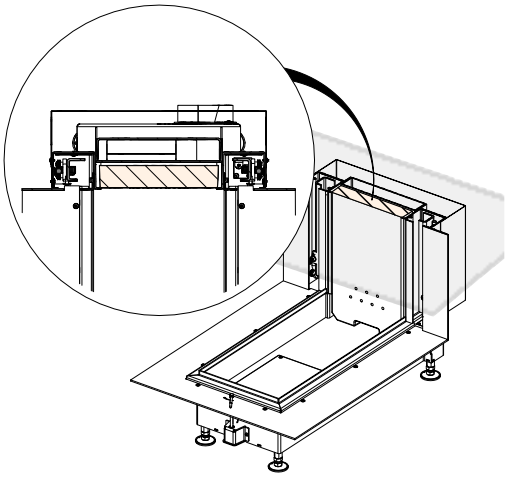
Watch the correct position of the gaskets!

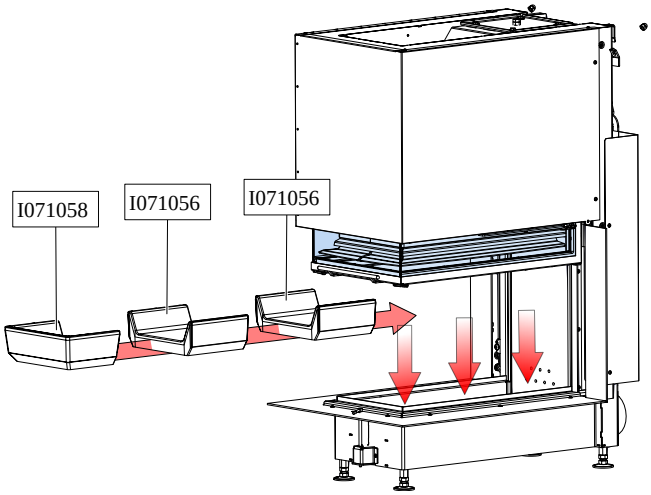
5.5 INSTALLATION OF REFRACTORY INNER LINING



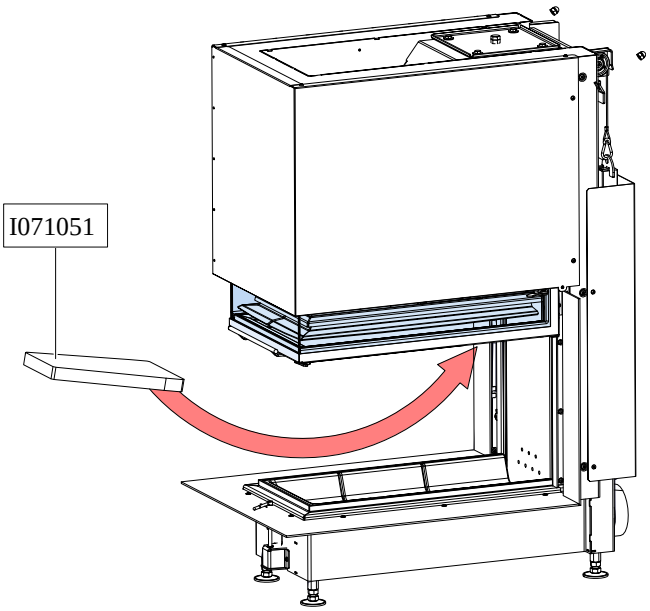




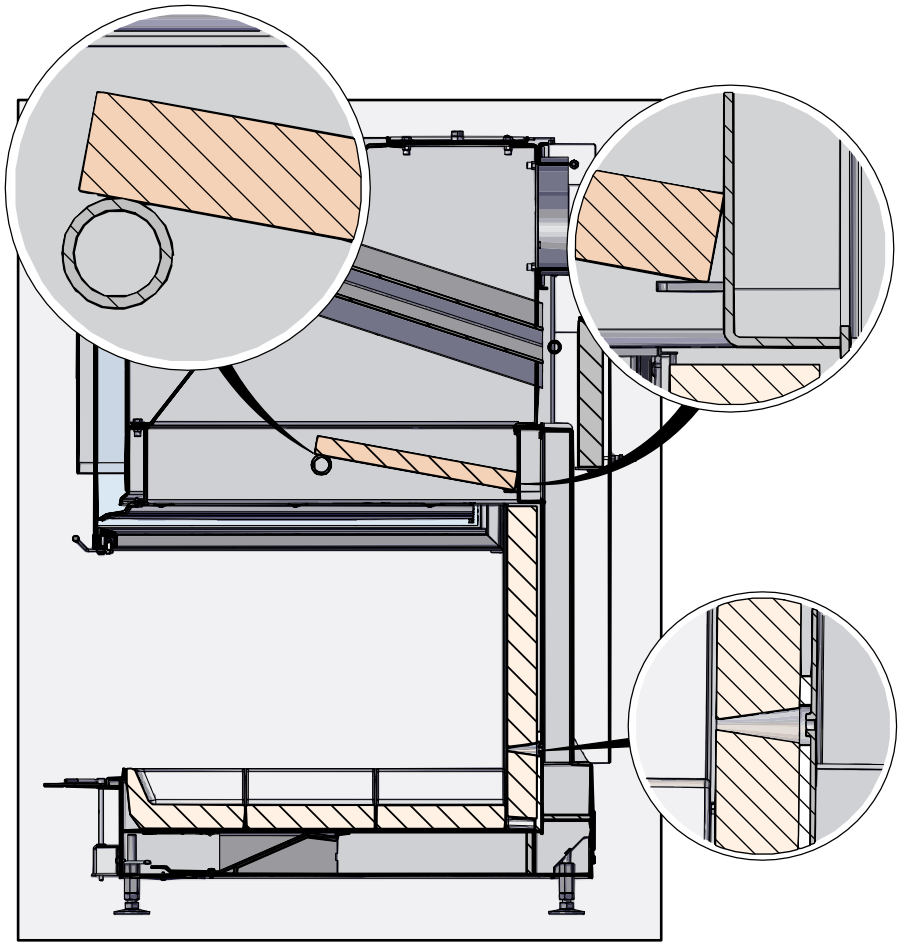




5.6 INSTALLATION OF DEFLECTION PLATE



Important details for Installation of firebox and deflector:



5.7 ADJUSTMENT OF THE HEAT PROTECTION PANEL

Standard position of the heat protection panel

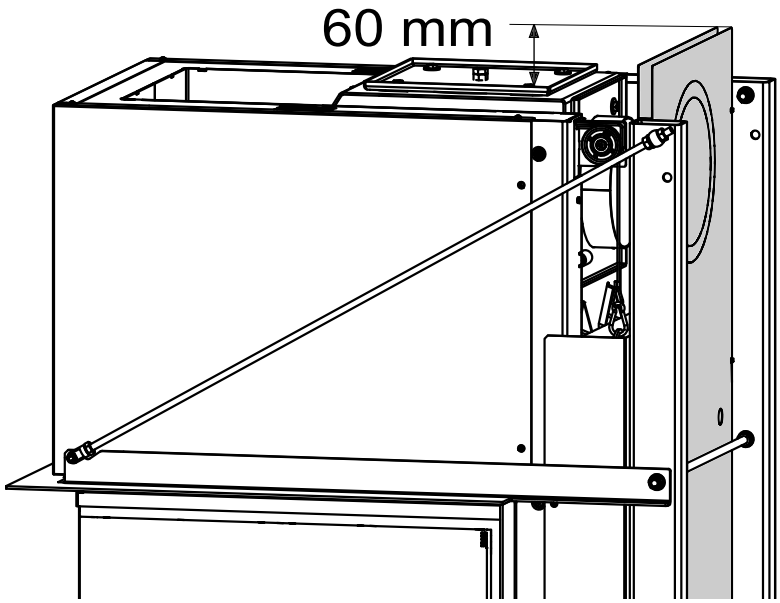


Illustration 8: Position of the heat protection shield

1. Remove the 6 fastening screws

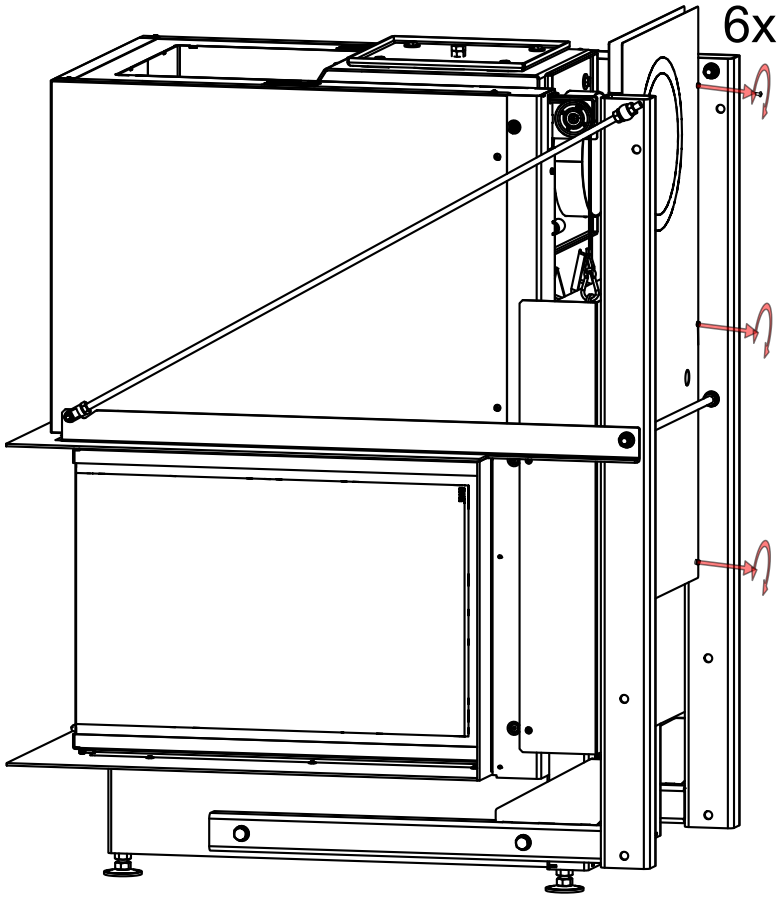


Illustration 9: Step 1

2. Remove the heat protection panel RW 2

3. Loosen the 4 screws on the side and fix the RW4 heat protection panel.

4. Tighten the 4 screws on the side and mount the heat protection panel RW 2

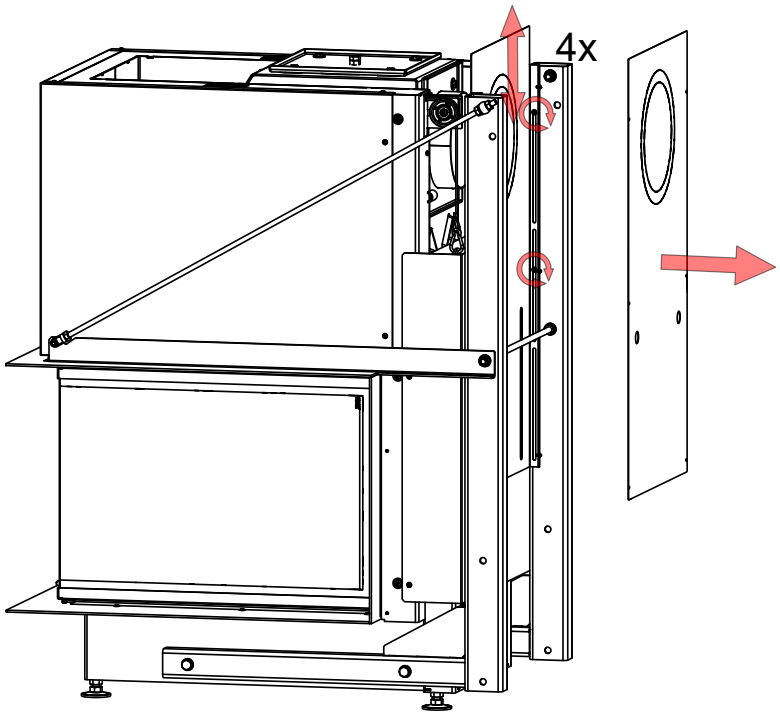
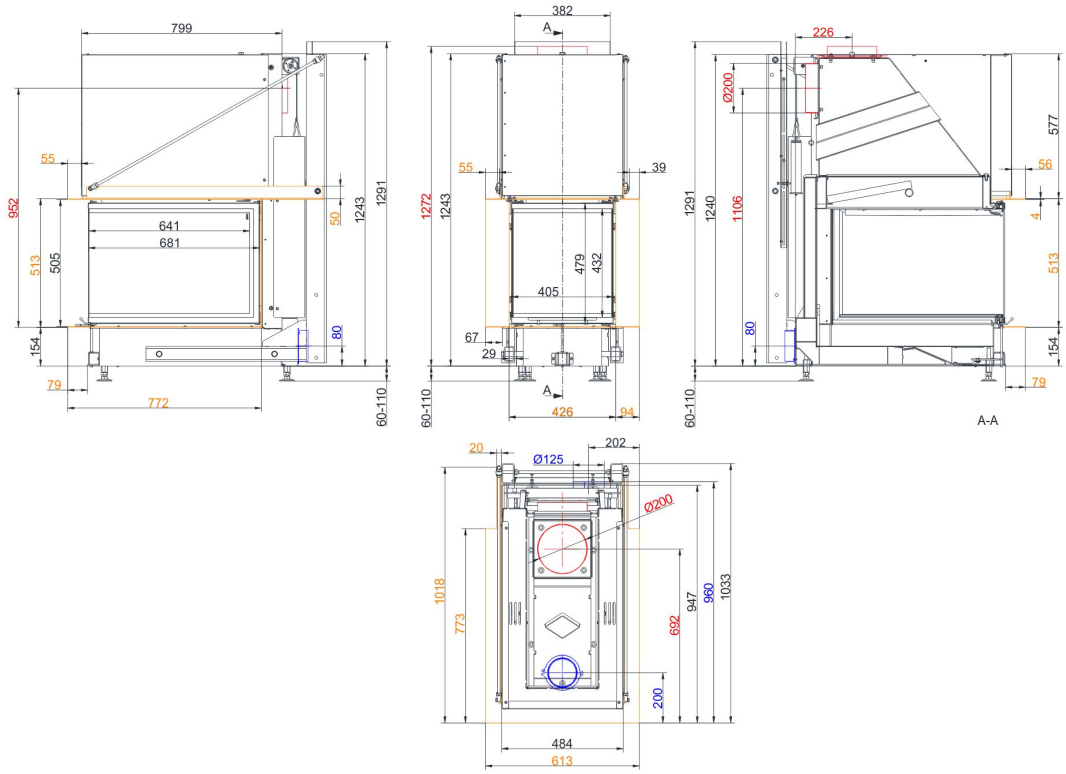
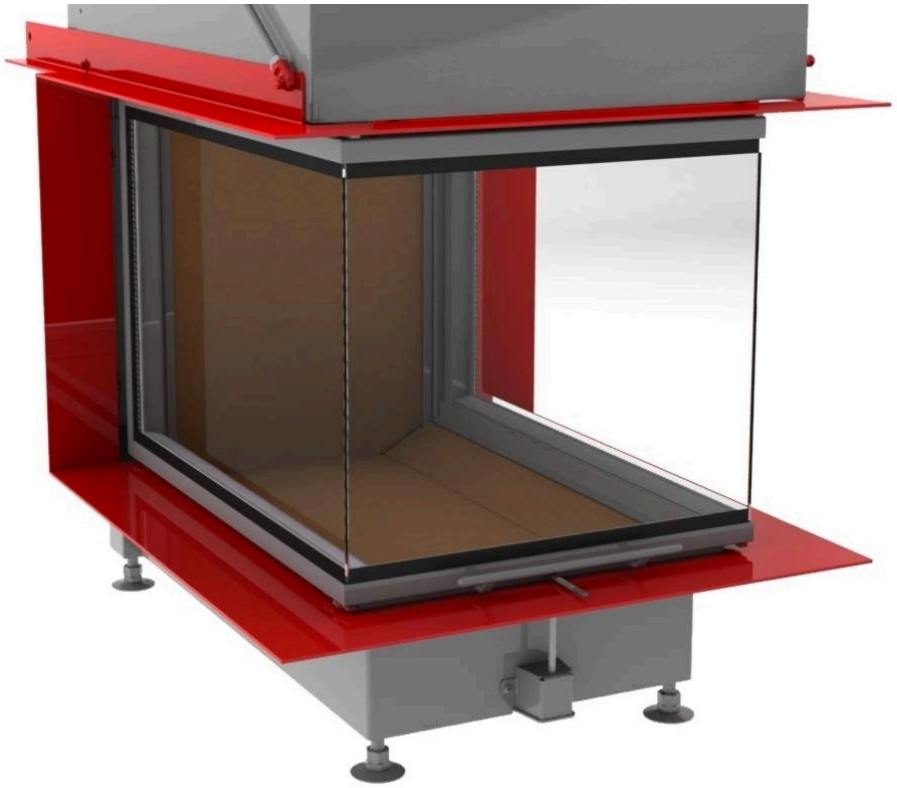


Illustration 10: Steps 2 - 4

Dimension sheets - Panorama-Kamin 51/66/40/66 with support bracket

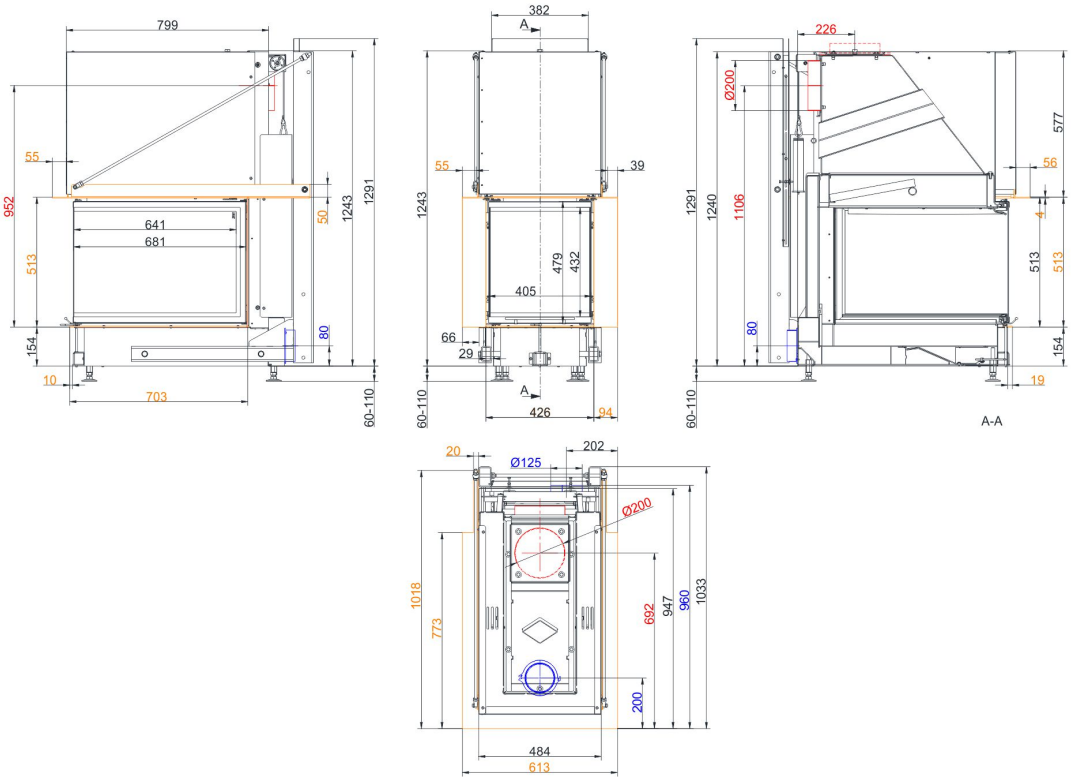


… with firetable frame wide



Stand: 2020-11-18

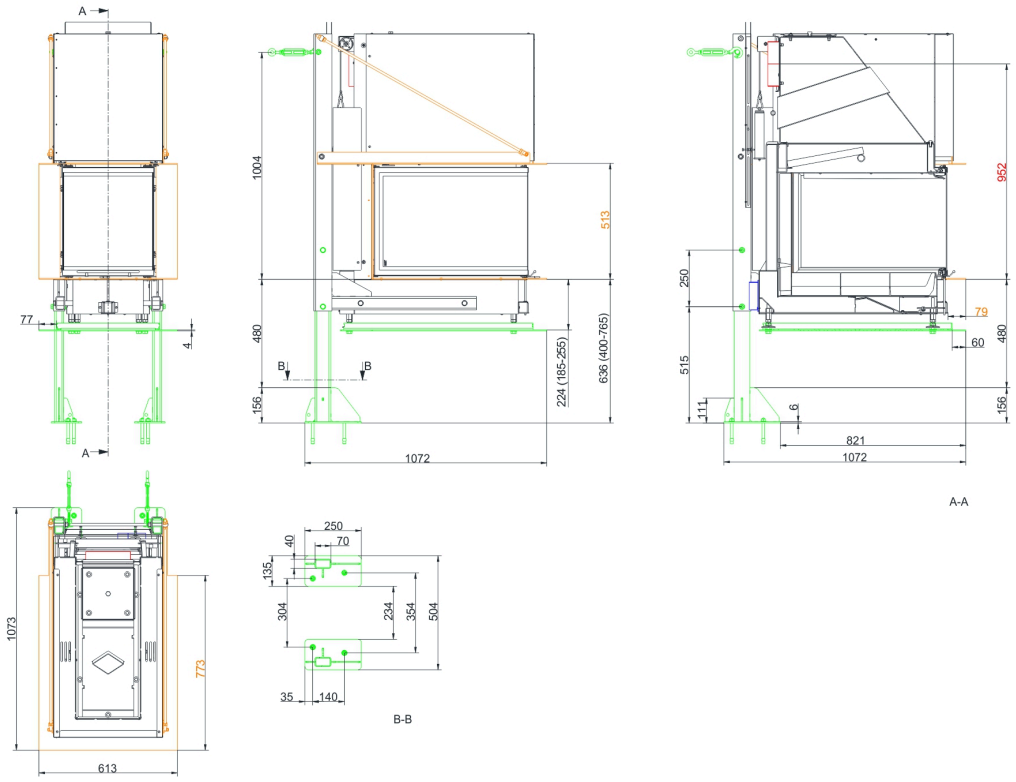
Dimension sheets - Panorama-Kamin 51/66/40/66 with support bracket



… with firetable frame narrow

Stand: 2020-11-18

Dimension sheets - Panorama-Kamin 51/66/40/66 with support bracket



... suspended firetable

We suggest for CAD planning Palette CAD. Permanent updated drawings: www.brunner.de
Frames /flue gas outlet connection/ combustion air supply connection/ front variants are marked in color.

Stand: 2020-11-18

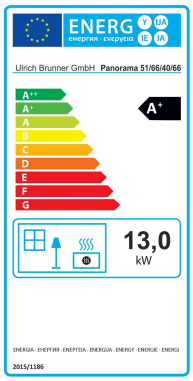
Planning and installation - Panorama-Kamin 51/66/40/66 with support bracket

Tested according to		EN 13229 W
Values measured at		Rated capacity [1]
Suitable for all construction types according to rules		OK
Data for functional demonstration		
Rated heat power	kW	13
Fire wood volume	kg/h	4.1
Combustion performance	kW	17
Flue gas mass flow	g/s	12
Flue gas temperature after:		
metalic hot air hood	°C	220
Necessary supply pressure	Pa	12
Combustion air consumption	m^3/h	45
Flue gas pipe connection Ø	mm	250
Combustion air connection Ø	mm	125
Heat distribution		
Insert / reheating surface	%	50 / -
Glass pane (single / double)	%	50 / -
Cross-section of gratings [2]		
Convection air	cm^2	1000 / - / -
Supply air	cm^2	1000 / - / -
Minimal distances of the fireplace		
to cladding, insulation layer	cm	0
to mounting floor	cm	3
Thermal insulation with air gratings [3]		
Mounting wall	cm	5
Floor	cm	0
Ceiling	cm	18
Brick lining for combustible wall	cm	10
Weight		
Fireplace / combustion chamber	kg	220 / 22 / -
Meets requirement/limit values for:		
Germany/ Austria / Switzerland / Norway		1.BImSchV (Stufe 2) / 15a BVG (2015) / LRV / NS 3059

1) Indications to "Rated power" determined with metallic reheating surface
2) for fireplace inserts / flue gas pipe / metallic reheating surface
3) Insulation material Promasil 950KS, values determined with the above air cross-sections and integrated heat protection panels mounted in front of the warm air hood with exhaust pipe, fireplace cladding heat emitting. At closed fireplace cladding, 12 cm insulation to the mounting wall

Product data sheet according to (EU) 2015/1186:

Supplier's name or trademark	Ulrich Brunner GmbH
Model identifier:	Panorama-Kamin 51/66/40/66
Energy efficiency class:	A+
Direct heat output:	13,0 kW
Indirect heat output:	N.A. kW
Energy efficiency index:	109
Fuel energy efficiency (at nominal heat output):	82,0 %
Fuel energy efficiency (at minimum load):	N.A. %
Special precautions: see supplied product documentation	



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